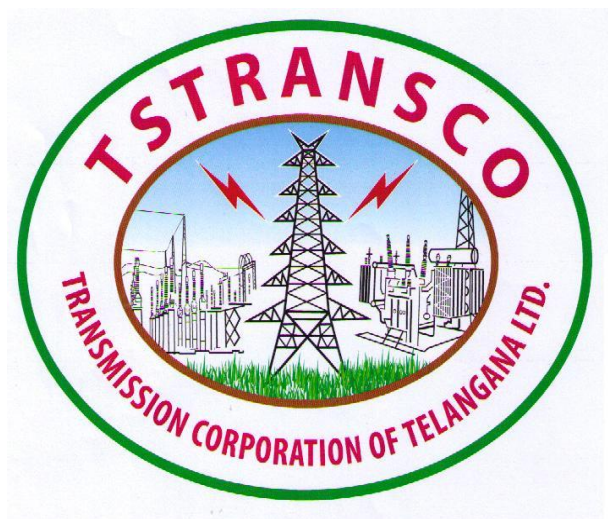


Transmission Corporation of Telangana Limited (State Transmission Utility)



**Filings for
ANNUAL PERFORMANCE REVIEW (True-Up)
of Transmission Business for FY2021-22 w.r.t.
Transmission Tariff Order dt. 20.03.2020**

December 2022

INDEX

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**BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY
COMMISSION**

AT ITS OFFICE AT Vth FLOOR, SINGARENI BHAVAN, RED HILLS, HYDERABAD.

FILING NO. _____/2022

CASE NO. _____/2022

In the matter of:

Filing of the Annual Performance Review (True up) for the FY2021-22 of Transmission Business of TSTRANSCO w.r.t. Transmission Tariff Order dated 20.03.2020 for the 4th Control Period i.e., for FY 2019-20 to FY 2023-24, read with Regulation No.5 of 2005 issued by the erstwhile APERC and subsequently adopted by TSERC as per Regulation No.1 of 2014.

In the matter of:

TRANSMISSION CORPORATION OF TELANGANA LIMITED ...Applicant

**AFFIDAVIT OF APPLICANT VERIFYING THE APPLICATION ACCOMPANYING
FILING OF ANNUAL PERFORMANCE REVIEW (TRUE UP) FOR THE FY2021-22
OF TRANSMISSION BUSINESS OF TSTRANSCO**

I, D. Prabhakar Rao, S/o D. Pashupathi Rao, working for gain at the Transmission Corporation of Telangana Limited do solemnly affirm and say as follows:

1. I am the Chairman and Managing Director of TSTransco, the licensee company operating and controlling the Transmission & SLDC business of electricity in Telangana pursuant to the license granted by the Hon'ble Commission. I am competent and duly authorized by TS Transco to affirm, swear, execute and file this affidavit in the present proceedings.

2. I have read and understood the contents of the accompanying filing of Annual Performance Review (True up) for the FY2021-22. The statements made in the paragraphs of the accompanying application now shown to me are true to my knowledge derived from the official records made available to me and are based on information and advice received which I believe to be true and correct.



DEPONENT

VERIFICATION:

I, the above named Deponent solemnly affirm at Hyderabad on this ^{29th} day of **December, 2022** that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.


DEPONENT

Solemnly affirmed and signed before me.


COMPANY SECRETARY
TSTRANSCO/HYDERABAD
RAVI KUMAR SULOVA
BCA, FCS
COMPANY SECRETARY, TSTRANSCO,
VIDYUT SOUDHA, HYDERABAD-500 082.

**BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY
COMMISSION**

AT ITS OFFICE AT Vth FLOOR, SINGARENI BHAVAN, RED HILLS, HYDERABAD.

FILING NO. _____/2022

CASE NO. _____/2022

In the matter of:

Filing of the Annual Performance Review (True up) for the FY2021-22 of Transmission Business of TSTRANSCO w.r.t. Transmission Tariff Order dated 20.03.2020, for the 4th Control Period i.e., for FY 2019-20 to FY 2023-24, read with Regulation No.5 of 2005 issued by the erstwhile APERC and subsequently adopted by TSERC as per Regulation No.1 of 2014.

In the matter of:

TRANSMISSION CORPORATION OF TELANGANA LIMITED Applicant

The applicant respectfully submits as under:

1. Hon'ble TSERC, as per Tariff Order dt. 20.03.2020 for Transmission Business for the 4th Multi-Year Tariff (MYT) period i.e., FY 2019-20 to FY 2023-24 directed TSTRANSCO to comply with the directives stipulated for each year of the MYT period.
2. As per the Directive No.3 of the Tariff Order dt.20.03.2020, TSTRANSCO is required to file Annual Performance Review (True up) for each year of the 4th Control Period before 31st December of the following year.
3. It is to submit that TSTRANSCO filed Annual Performance Review (True up) for the FY 2020-21 for Transmission Business dt. 30.12.2021 and the Hon'ble Commission issued order dt. 07.04.2022.
4. TSTransco herein files petition on Annual Performance Review (True up) for the FY2021-22 for Transmission Business including the information in the booklet and in standard formats.
5. The Licensee submits the information in compliance with the Directive No. 6 of the MYT Tariff order dt. 20.03.2020 along with the present petition.
6. The operational Performance parameters achieved by TSTRANSCO for the FY2021-22 are as follows.

- i) Transmission System Availability: 99.98%
- ii) Transmission System Loss: 2.47%

7. In the aforesaid circumstances, the applicant respectfully prays the Hon'ble TSERC to:

- a) Take the accompanying petition on Annual Performance Review (True up) for the FY2021-22 for Transmission Business on record.
- b) (i) to restore 5% capitalisation amount for 3rd Control Period, FY2019-20 & FY2020-21 (Rs.394.36 Crores), since, TSTRANSCO is exempted from certification by Electrical Inspectorate vide G.O.Ms.No.10 dated, 09.05.2022.
(ii) to consider the Surplus of Rs.149.85 Crores as special appropriation.
(iii) to consider the additions made during the year to Fixed Assets and allow the eligible amount of depreciation for FY2020-21 ***"from the date of commercial operation/ Capitalisation as per CERC Regulations"***.
(iv) to consider depreciation on Consumer Contribution Assets as expense and consider amortization of Consumer Contribution as Non-Tariff Income (NTI).
(v) to allow the actual cost of debt as per the audited accounts submitted by the Company as was done by Hon'ble Commission in earlier years.
(vi) to consider to grant an incentive to the petitioner in terms of Clause 18(1) of Regulation No. 5 of 2005, for maintaining Transmission System losses below the approved loss bands during the last 3 years of the 4th MYT period.
- c) Grant suitable opportunity to TSTRANSCO within a reasonable timeframe to file additional information if required.
- d) Consider the facts and circumstances of the present petition and pass an appropriate order.

TRANSMISSION CORPORATION OF TELANGANA LIMITED
(APPLICANT)

Through

Place: HYDERABAD
Dated: 29 December, 2022


D. PRABHAKAR RAO
CHAIRMAN AND MANAGING DIRECTOR

1 Introduction

With the enactment of Andhra Pradesh Reorganisation Act 2014, the Telangana State has been carved out from the undivided Andhra Pradesh State as the 29th state of the Republic India on 02.06.2014.

The erstwhile Regulatory Commission of undivided State of Andhra Pradesh had issued Regulation No. 3 of 2014 (Reorganization) Regulation, 2014 on 25.05.2014, consequent to the framing of Andhra Pradesh Reorganization Act 2014 notified by Government of India on 01.03.2014, where in clause 3 of the regulation says that, “All the regulations as well as their supplementary regulations/amendments, rules, orders, proceedings, guidelines, memos, notifications, other instruments issued immediately before 2nd June 2014 by the APERC for the conduct of business and other matters shall fully and completely apply to the whole of the states of Telangana and Andhra Pradesh and shall similarly apply in relation to all matters falling within the jurisdiction of the Commission until they are altered, repealed or amended by the respective State Electricity Regulatory Commissions”.

In accordance with the above regulation, all the regulations framed by erstwhile APERC will continue to apply for the state of Telangana. Subsequently, TSERC vide Telangana Official Gazette has issued its first regulation, Regulation No.1 of 2014 (adoption of Previously subsisting Regulations, Decisions, Directions or Orders, Licenses and Practice of Directions) wherein clause 2 says that “All regulations, decisions, directions or orders, all the licenses and practice directions issued by the erstwhile Andhra Pradesh Electricity Regulatory Commission (Regulatory Commission for States of Andhra Pradesh and Telangana) as in existence as on the date of the constitution of the Telangana State Electricity Regulatory Commission and in force, shall mutatis-mutandis apply in relation to the stakeholders in electricity in the State of Telangana including the Commission and shall continue to have effect until duly altered, repealed or amended, any of Regulation by the Commission with effect from the date of notification as per Notification issued by the Government of Telangana in G.O.Ms.No.3 Energy (Budget) Department, dt.26.07.2014 constituting the Commission”.

In compliance with the Regulations and Guidelines issued by the TSERC, TSTransco, the State Transmission Utility & Transmission Licensee managing the

Transmission business herein submits the following in this Annual Performance Review (True-up) Petition:

- i. True Up - Analysis of Financial Performance for FY2021-22.
- ii. Analysis of Performance of Transmission business for FY2021-22.

2 True Up - Analysis of Performance from FY2021-22:

Transmission Corporation of Telangana Limited (TSTRANSCO) had filed its Petition under Section 26(5) of the Andhra Pradesh Electricity Reform Act, 1998, Sections 61 to 64 of the Electricity Act, 2003 and relevant Guidelines and Regulations, before the Telangana State Electricity Regulatory Commission (TSERC) on 30.11.2019 for approval of Aggregate Revenue Requirement (ARR), Filing for Proposed Tariff (FPT) for Transmission Business for the 4th MYT Control Period from FY 2019-20 to FY 2023-24.

The Petition was admitted by the Hon'ble TSERC and assigned O. P. No. 3 of 2019. The Hon'ble TSERC, in exercise of its powers under the Electricity Act, 2003 and the Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Transmission of Electricity) Regulation No. 5 of 2005 as adopted by Hon'ble TSERC vide its Regulation No. 1 of 2014, and after considering Petitioner's submissions, suggestions and objections of the other stakeholders, responses of Petitioner has issued ARR and Transmission Tariff Order for the 4th MYT Control period (i.e., FY 2019-20 to FY 2023-24) and is applicable with effect from 20.03.2020.

Hon'ble TSERC vide "Appendix B" has issued new directive No.3 wherein, the commission has directed the petitioner to file **Performance Review (True up)** for each year of the 4th MYT Control period.

In compliance to the directive No.3, TSTRANSCO here-by submits the following for Annual Performance Review (APR) of Transmission Business for FY 2021-22:

- Statement of variance with the Tariff Order for each item in the Aggregate Revenue Requirement and reasons for variation.
- Aggregate Revenue Requirement (ARR) for the year computed based on actual investments, interest and other costs.

- The Surplus/Deficit for the year has been arrived based on the revenue earned for FY 2021-22.

I) Operation and Maintenance (O&M) Expenses:

The Actual O&M Expenses include Employees Cost, Administrative & General Expenses, Repairs & Maintenance Expenses for FY 2021-22.

Table 1: Variance in O&M Expenses:

(Rs. in Crores)

| Particulars | FY 2021-22 | | |
|---|----------------|----------------|---------------|
| | Tariff Order | Actuals | Deviation |
| Gross O&M Costs | 1068.58 | 1061.49 | -7.09 |
| Employees Cost | | 944.44 | |
| Administrative & General Expenses | | 65.24 | |
| Repairs & Maintenance Expenses | | 51.81 | |
| Less: O&M Expenses Capitalised | 146.26 | 126.24 | -20.02 |
| Net O&M Expenses | 922.32 | 935.25 | 12.93 |

- Net O&M Expenses for the year have been increased by Rs.12.93 Crores due to decrease in expenses capitalized.
- The O&M cost as per Tariff Order is arrived/computed based on O&M approved norms. Whereas, the Company has submitted the actual O&M cost as per audited accounts for FY 2021-22.
- Capitalisation of expenses has been decreased due to change of policy in capitalization of Admin. & General expenses from FY 2020-21 onwards as per IND AS-12.

II) Depreciation:

- In Compliance to Hon'ble TSERC Directive No.5, Company has changed its depreciation rates from Ministry of Power to CERC from FY 2020-21 onwards. The details of depreciation are as follows.

Table 2: (Rs. in Crores)

| Particulars | FY 2021-22 | | |
|--------------|--------------|---------|-----------|
| | Tariff Order | Actuals | Deviation |
| Depreciation | 1000.26 | 889.69 | -110.57 |

- In fact, the actual depreciation amount has been decreased due to reduction in capitalisation during the year.
- Depreciation has been arrived as per the CERC depreciation rates under straight line method on the opening assets and also on additions to OCFA during the year proportionately in accordance with CERC Regulations, 2019.
- Further, it is pertinent to mention that, the Company is claiming depreciation on Consumer Contribution Assets as an expense and also considered as amortization of Consumer Contribution in Non-Tariff Income (NTI). Hence, the Hon'ble Commission is requested to consider the same.
- Hon'ble Commission is further requested to consider the depreciation on the additions during the year from the date of capitalisation as per CERC Regulation No.33, vide notification No.L-1/236/2018/CERC dt: 07.03.2019.

b) Depreciation due to withholding of 5% Capitalisation:

The year wise impact of depreciation (approx.) due to withholding of 5% capitalisation is as follows (Annexure enclosed);

- (i) For 3rd Control Period = Rs.63.78 Crores.
- (ii) For FY 2019-20 = Rs.35.26 Crores.
- (iii) For FY 2020-21 = Rs.38.81 Crores.

- Hon'ble Commission is requested to restore the capitalisation amount and approve the above depreciation with applicable carrying cost as, TSTRANSCO is exempted for certification of all electrical installations by Electrical Inspector vide G.O.Ms.No.10 dated, 09.05.2022.

c) Depreciation due to not considering current year additions for FY 2020-21:

- Hon'ble Commission has approved depreciation amount of Rs.794.60 Crores as against actual depreciation of Rs.857.78 Crores filed by the Company as per

audited accounts for FY 2020-21 and disallowed an amount of Rs.63.18 Crores (Rs.857.78-Rs.794.60) computing depreciation on Opening GFA based on the principle of “**Depreciation shall be charged from the 1st April of the following year from the date the asset is put to use**” without considering the additions made during FY 2020-21, which is not justifiable.

- As per the terms of Regulation No.33 of the CERC Regulations, 2019 depreciation shall be computed “**from the date of commercial operation of a Transmission system**” and Company has followed the similar methodology in Annual Accounts for FY 2020-21.
- Accordingly, Company has claimed depreciation of Rs.857.78 Crores for FY 2020-21, applying the rates notified in CERC Regulations, 2019 in compliance to Directive No.5 of 4th MYT Order (FY 2019-20 to FY 2023-24).
- In the light of the above facts, Hon’ble Commission is requested to consider the additions made during the year to Fixed Assets and allow the eligible amount of depreciation for FY 2020-21 “**from the date of commercial operation/ Capitalisation as per CERC Regulations**”.

III) a) Taxes on income:

Table 3:

(Rs. in Crores)

| Particulars | FY 2021-22 | | |
|-------------|-------------|---------|-----------|
| | TariffOrder | Actuals | Deviation |
| Income Tax | 84.11 | 74.58 | -9.53 |

- Tax on income was computed as per clause 5.13.5 of 4th MYT Order at current rate of Minimum Alternate Tax (MAT) on the Return on Equity (RoE) @14% on 25% of actual Regulated Rate Base in accordance with Regulation No.5 of 2005.

b) Taxes on Income due to 5% Capitalisation:

- The year wise impact on taxes income (approx.) due to withholding of 5% capitalisation is as follows (Annexure enclosed);
 - (i) For 3rd Control Period = Rs.5.88 Crores.
 - (ii) For FY 2019-20 = Rs.2.90 Crores.
 - (iii) For FY 2020-21 = Rs.3.49 Crores.

- Hon'ble Commission is requested to restore the capitalisation amount and approve the above taxes on Return on Equity with applicable carrying cost as, TSTRANSCO is exempted for certification of all electrical installations by Electrical Inspector vide G.O.Ms.No.10 dated, 09.05.2022.

IV) a) Return on Capital Employed (RoCE):

- Return on Capital Employed (RoCE) is to cover i) The interest charges on the debt portion and ii) Return on Equity on the actual Regulated Rate Base of TS TRANSCO as per D/E mix of 75:25 considered by Hon'ble Commission for 4th MYT Period. The Company has computed the actual Return on Capital Employed (RoCE) for the year as per the methodology prescribed by the Hon'ble Commission as per Regulation 5 of 2005.

Table 4:

(Rs. in Crores)

| Particulars | FY 2021-22 | | |
|---|-----------------|-----------------|-----------------|
| | Tariff Order | Actuals | Deviation |
| Assets | | 21296.49 | |
| Original Cost of Fixed Assets (OCFA) | | 18892.35 | |
| Additions to OCFA | | 2404.14 | |
| Depreciation | | 7045.08 | |
| Opening Balance | | 6155.39 | |
| Depreciation during the year | | 889.69 | |
| Consumer Contributions | | 3590.02 | |
| Opening Balance | | 3499.68 | |
| Additions during the year | | 90.34 | |
| Working Capital | | 115.34 | |
| Change in Rate Base | | 712.06 | |
| Regulated Rate Base (RRB) | 11351.61 | 10064.64 | -1286.97 |
| Cost of Debt (Interest & Finance Charges) | 838.60 | 834.25 | -4.35 |
| Return on Equity @ 14% on 25% of RRB | 397.31 | 352.26 | -45.05 |
| Return on Capital Employed (RoCE) | 1235.91 | 1186.51 | -49.40 |

- In the Regulated Rate Base (RRB) calculation, Company has considered the actual asset addition to Fixed Assets tallying with the books of accounts. Hon'ble TSERC is requested to allow the entire capitalization amount in RRB computation.

- The additions to OCFA as per the audited accounts for FY 2021-22 is Rs.2404.14 Crores which is after adjustment of Asset withdrawals of Rs.51.64 Crores during the year.
- The Return on Capital Employed (RoCE) for the year is computed considering the net interest expenditure at actual (i.e., after adjustment of interest capitalized and interest on working capital loans provided to TSDISCOMs). Whereas, Return on Equity is considered as @14% on 25% of actual Regulated Rate Base as per Regulation No.5 of 2005.

b) Return on Capital Employed due to withholding of 5% Capitalisation:

- The year wise impact of Return on Capital Employed (approx.) due to withholding of 5% capitalisation is as follows (Annexure-I enclosed);
 - (i) For 3rd Control Period = Rs.88.61 Crores.
 - (ii) For FY 2019-20 = Rs.62.44 Crores.
 - (iii) For FY 2020-21 = Rs.74.68 Crores
- Hon'ble Commission is requested to restore the entire capitalisation amount and approve the Return on Capital Employed (RoCE) as per the above details with applicable carrying cost as, Government of Telangana State has issued a notification vide G.O.Ms.No.10 dated 09.05.2022 by exercising its powers by allowing TSTRANSCO for Self Certification of its own installations irrespective of voltage and granted exemption of certification from Electrical Inspector.

c) Adoption of Rate of Cost of Debt in RoCE computation for FY 2020-21:

- Unlike earlier years for FY 2020-21, Hon'ble Commission has allowed the cost of debt @ 10.32% considering Debt amount as "Average loans outstanding" based on the additional data submitted by the Company in lieu of considering the Debt as per Debt-Equity ratio in accordance with Regulation 5 of 2005 (i.e., 75% of Approved RRB).
- Whereas, while allowing the RoCE, Hon'ble Commission has applied the above rate of cost of debt on 75% of Approved RRB. Due to this, there is a decrease in RoCE to the extent of Rs.145.33 Crores.
- Normally, actual Cost of Debt is being arrived, applying the "Actual interest as per audited accounts/ Debt (75% of approved RRB). Accordingly, the Cost of

Debt would be @12.48% (i.e, Rs.840.22 Crores/Rs. 6733.46 Crores) as per the following details.

(a) Actual cost of debt (as per audited accounts) =Rs.840.22 crs.

(b) Cost of debt allowed by the Commission = Rs.694.89 crs.
(Rs.6733.46 crs x 10.32%)

(c) Net Cost of debt disallowed by the Commission =Rs.145.33 crs.

- With regard to the above, it is to mention that, the above variation has arisen due to change in methodology adopted, thereby resulted a decrease of Rs.145.33 Crores in RoCE and also in the total ARR of the Company for FY 2020-21.
- Considering the above facts and figures, it is prayed to allow the actual cost of debt as per the audited accounts submitted by the Company as was done by Hon'ble Commission in earlier years.

V) Revenue: The following is the position of Revenue for FY 2021-22:

Table 5 :

(Rs. in Crores)

| Particulars | FY 2021-22 | | |
|-----------------------------------|----------------|----------------|--------------|
| | Tariff Order | Actuals | Deviation |
| Revenue from Transmission Charges | 2863.93 | 2897.80 | 33.87 |
| Other Income | 378.67 | 338.08 | -40.59 |
| Total: | 3242.60 | 3235.88 | -6.72 |

- The total revenue of the Company for the year has been decreased to the extent of Rs.6.72 Crores due to decrease in Non-Tariff Income (Other income) over Tariff Income.
- The Other Income of Rs.338.08 Crores is arrived after adjustment of Rs.36.82 Crores towards Interest received on working capital loans provided to TSDISCOMs.
- Further, Company is claiming depreciation on Consumer Contribution assets as an expense and the same is considered as amortization of Consumer Contribution in Non-Tariff Income (NTI).

VI) Aggregate Revenue Requirement (ARR) True up (Tariff Order Vs Actuals) for FY 2021-22:

- The Total Aggregate Revenue Requirement (ARR) approved by Hon'ble Commission for the year is Rs.3242.60 Crores, against actual ARR of Rs.3086.03 Crores. Whereas, the company has received Rs.3235.88 Crores by way of revenue including Non Tariff income. Thereby the company has earned a surplus amount of Rs.149.85 Crores during FY 2021-22.

Table 6: (Rs. in Crores)

| Particulars | FY 2021-22 | | |
|-----------------------------------|----------------|----------------|----------------|
| | Tariff Order | Actuals | Deviation |
| Expenditure | 2152.95 | 2025.76 | -127.19 |
| O&M Costs | 1068.58 | 1061.49 | -7.09 |
| O&M Carrying Costs | 0.00 | 0.00 | 0.00 |
| Depreciation | 1000.26 | 889.69 | -110.57 |
| Taxes | 84.11 | 74.58 | -9.53 |
| Special Appropriation | 0.00 | 0.00 | 0.00 |
| Other Expenses | 0.00 | 0.00 | 0.00 |
| Less: Expenses Capitalised | 146.26 | 126.24 | -20.02 |
| IDC Capitalised | 0.00 | 0.00 | 0.00 |
| O&M Exp. Capitalized | 146.26 | 126.24 | -20.02 |
| Net Expenditure | 2006.69 | 1899.52 | -107.17 |
| Return on Capital Employed (ROCE) | 1235.91 | 1186.51 | -49.40 |
| Gross ARR | 3242.60 | 3086.03 | -156.57 |
| Non Tariff Income | 378.67 | 338.08 | -40.59 |
| Revenue from Tariff | 2863.93 | 2897.80 | 33.87 |
| Total Revenue | 3242.60 | 3235.88 | -6.72 |
| Surplus/(Deficit) | 0.00 | 149.85 | 149.85 |

- It could be seen from the above that, (i) the net expenditure of the Company has been decreased by Rs.107.17 Crores is mainly due to decrease in depreciation (ii) RoCE has been decreased by Rs.49.40 Crores and (iii) the total revenue of the Company decreased by Rs.6.72 Crores. Consequently, Company has earned a surplus of Rs.149.85 Crores for FY 2021-22.

In view of the factual figures and reasons explained above, Hon'ble commission is requested to consider the Surplus of Rs.149.85 Crores by way of special appropriation.

Further, Hon'ble Commission is prayed to restore 5% capitalisation amount for all the years till the end of FY 2020-21 and allow the impact of the above in terms of Return on Capital Employed (RoCE), Taxes on Income and depreciation with applicable carrying cost.

ANNEXURE – I: Detailed Calculation of impact on ARR due to withholding of 5% Capitalisation is shown as below:

(Rs. in Crores)

| Financial Year | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | Total | 2019-20 | 2020-21 |
|--------------------------------|--------------|--------------|---------------|---------------|---------------|----------------|---------------|---------------|
| Claimed (Actuals) | 689.48 | 1947.38 | 1789.21 | 1982.2 | 3589.79 | 9998.06 | 2729.10 | 1342.03 |
| Approved | 655.01 | 1850.01 | 1699.75 | 1883.09 | 3410.3 | 9498.16 | 2561.10 | 1274.93 |
| Difference in additions | 34.47 | 97.37 | 89.46 | 99.11 | 179.49 | 499.9 | 168.00 | 67.10 |
| Increase in Opening GFA | | 34.47 | 34.47 | 34.47 | 34.47 | | 34.47 | 34.47 |
| | | | 97.37 | 97.37 | 97.37 | | 97.37 | 97.37 |
| | | | | 89.46 | 89.46 | | 89.46 | 89.46 |
| | | | | | 99.11 | | 99.11 | 99.11 |
| | | | | | | | 179.49 | 179.49 |
| | | | | | | | | 168.00 |
| Less: Dep. @ 5.28% (CERC) | 1.82 | 5.14 | 4.72 | 5.23 | 9.48 | | 8.87 | 3.54 |
| | | 1.82 | 1.82 | 1.82 | 1.82 | | 1.82 | 1.82 |
| | | | 5.14 | 5.14 | 5.14 | | 5.14 | 5.14 |
| | | | | 4.72 | 4.72 | | 4.72 | 4.72 |
| | | | | | 5.23 | | 5.23 | 5.23 |
| | | | | | | | 9.48 | 9.48 |
| | | | | | | | | 8.87 |
| Increase in RRB | 16.32 | 78.76 | 167.25 | 256.55 | 388.50 | 907.39 | 553.07 | 664.41 |
| Approved RoCE Rate | 11.43% | 10.53% | 10.49% | 9.64% | 9.31% | | 11.29% | 11.24% |
| RoCE amount | 1.87 | 8.29 | 17.54 | 24.73 | 36.17 | 88.61 | 62.44 | 74.68 |
| Tax on Return on Equity | 0.11 | 0.51 | 1.08 | 1.66 | 2.52 | 5.88 | 2.90 | 3.49 |
| Depreciation | 1.82 | 5.14 | 4.72 | 5.23 | 9.48 | 26.39 | 8.87 | 3.54 |
| | | 1.82 | 1.82 | 1.82 | 1.82 | 7.28 | 1.82 | 1.82 |
| | | | 5.14 | 5.14 | 5.14 | 15.42 | 5.14 | 5.14 |
| | | | | 4.72 | 4.72 | 9.45 | 4.72 | 4.72 |
| | | | | | 5.23 | 5.23 | 5.23 | 5.23 |
| | | | | | | | 9.48 | 9.48 |
| | | | | | | | | 8.87 |
| Total | | | | | | 158.26 | 100.61 | 116.98 |
| Carrying Cost @9.85% | | | | | | 7.79 | 4.96 | 5.76 |
| Total | | | | | | 166.05 | 105.57 | 122.74 |

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ANNEXURE- II:**PLANS FOR SYSTEM PERFORMANCE****A. REPRESENTATIVE SYSTEM LOAD CURVES****1) Requirement in the Guidelines:**

Representative system load curves for weekdays and weekends for various seasons (such as summer, winter and monsoon). Indicate in case if any load restriction was imposed. Also provide expected system load curves for the ensuing year and indicate the expected supply curves in each case. (Guidelines - 10a).

2) TSTRANSCO's Response:

Typical Full load details along with curves for three seasons representing Peak demand met day and Peak demand met on weekend day for the year 2021-22 follows:-

| Sl. No. | Season | Date |
|---------|----------------------------------|-----------------------------|
| 1 | Typical week end day in summer | 26 th March'2022 |
| 2 | Typical full load day in summer | 29 th March'2022 |
| 3 | Typical week end day in monsoon | 18 th Sept'2021 |
| 4 | Typical full load day in monsoon | 12 th Aug'2021 |
| 5 | Typical full load day in winter | 25 th Feb'2022 |
| 6 | Typical week end day in winter | 26 th Feb'2022 |

The highest system peak demand of 14160 MW was recorded on 29.03.2022 @ 12:28 PM for the FY 2021-22.

A brief analysis of system demand for all seasons of the year 2021-22 is furnished in the following sections:

| PEAK GRID DEMAND | | | | |
|------------------|--------|------------|--------|------------|
| SEASON | Max MW | Max Date | Min MW | Min Date |
| SUMMER | 14160 | 29.03.2022 | 4557 | 30.06.2021 |
| MONSOON | 12855 | 12.08.2021 | 4351 | 23.07.2021 |
| WINTER | 13178 | 25.02.2022 | 4707 | 22.11.2021 |

(a) Summer Season:

The highest System Peak Demand recorded during summer season is 14160 MW on 29.03.2022. From the system load curve (vide annexure 3.a) on the day when the highest system peak was recorded during summer season, it can be seen that the system load is continuously maintained above 8182 MW (minimum on 29.03.2022) throughout the day and the maximum demand recorded was 14160 MW. The **demand variation in summer was between 4557 MW and 14160 MW**. The minimum system demand met on 30th June 2021 was 4557 MW, and is the lowest recorded in this season.

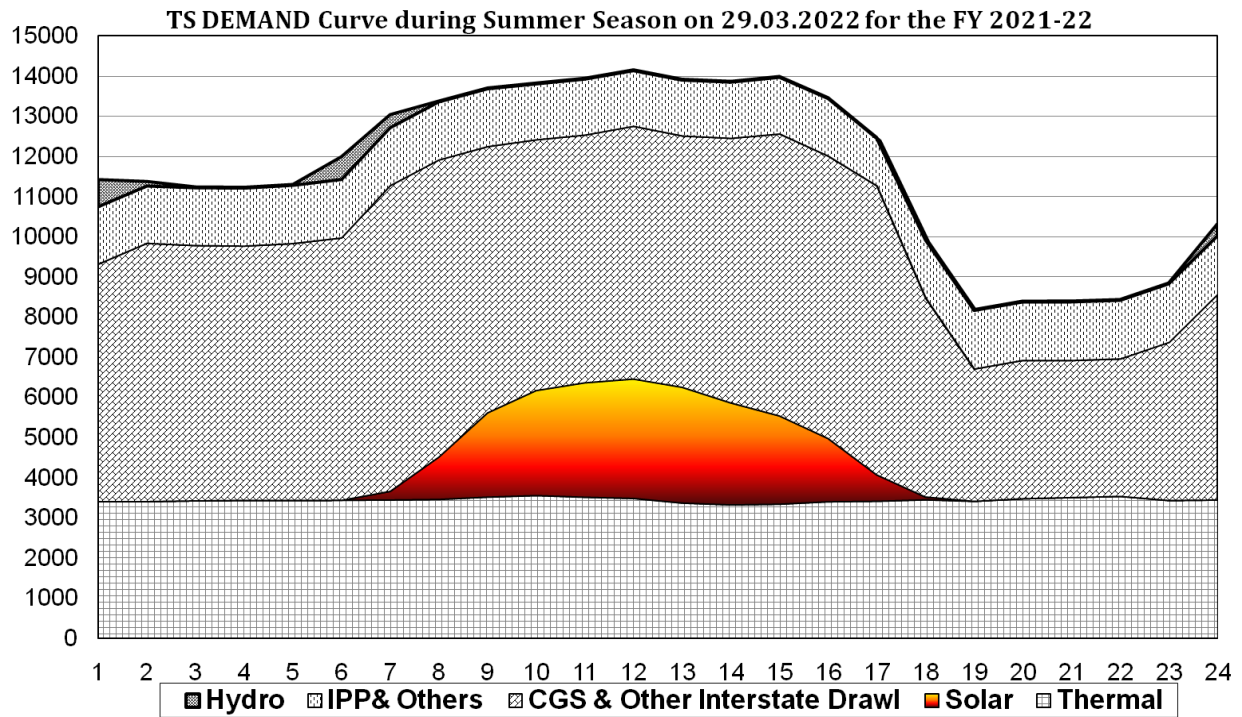
(b) Monsoon season:

The highest System Peak Demand recorded during monsoon season is 12855 MW on 12.08.2021. From the system load curve (vide annexure 3.b) on the day when the highest system peak was recorded during monsoon season, it can be seen that the system load is continuously maintained above 7571 MW (minimum on 12.08.2021) throughout the day and the maximum demand recorded was 12855 MW. The **demand variation in monsoon was between 4351 MW and 12855 MW**. The minimum system demand met on 23rd July 2021 was 4351 MW, and is the lowest recorded in this season.

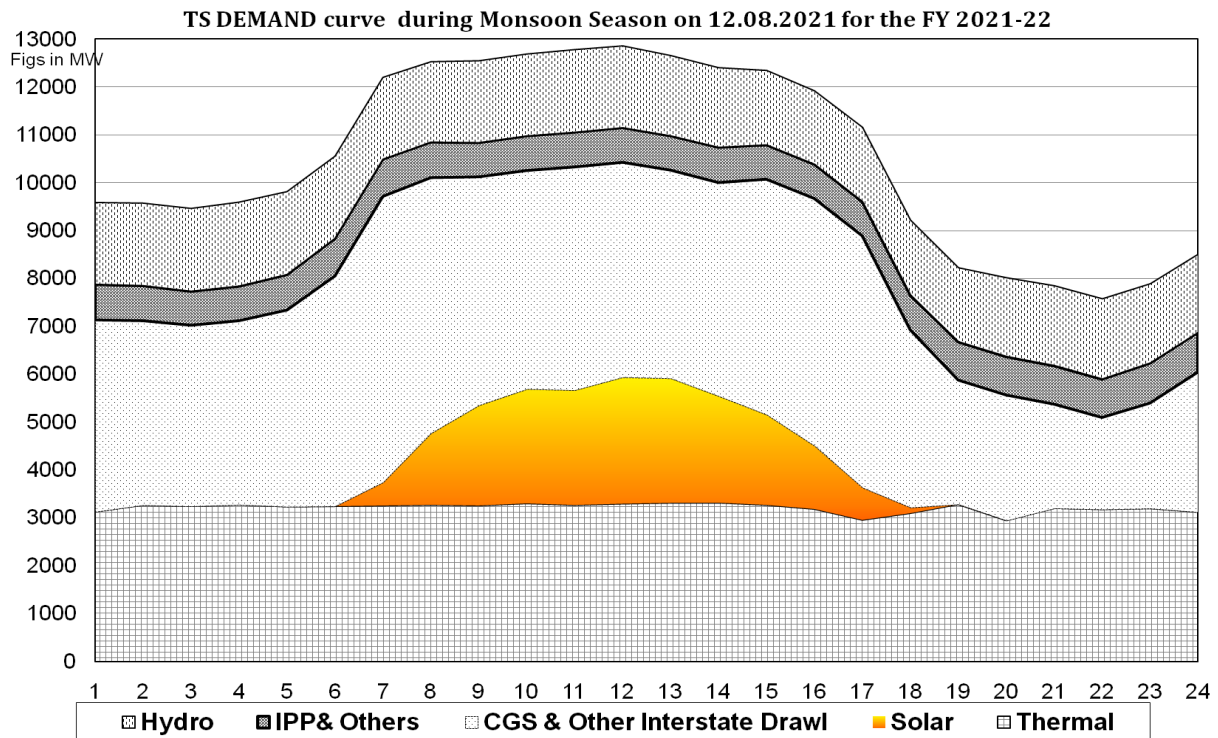
(c) Winter season:

The highest System Peak Demand recorded during winter season is 13178 MW on 25.02.2022. From the system load curve (vide annexure 3.c) on the day when the highest system peak was recorded during winter season, it can be seen that the system load is continuously maintained above 7554 MW (minimum on 25.02.2022) throughout the day and the maximum demand recorded was 13178 MW on **February 25th 2022**. The **demand variation in dry winter was between 4707 MW and 13178 MW**. The minimum system demand met on 22nd November 2021 was 4707 MW, and is the lowest recorded in this season.

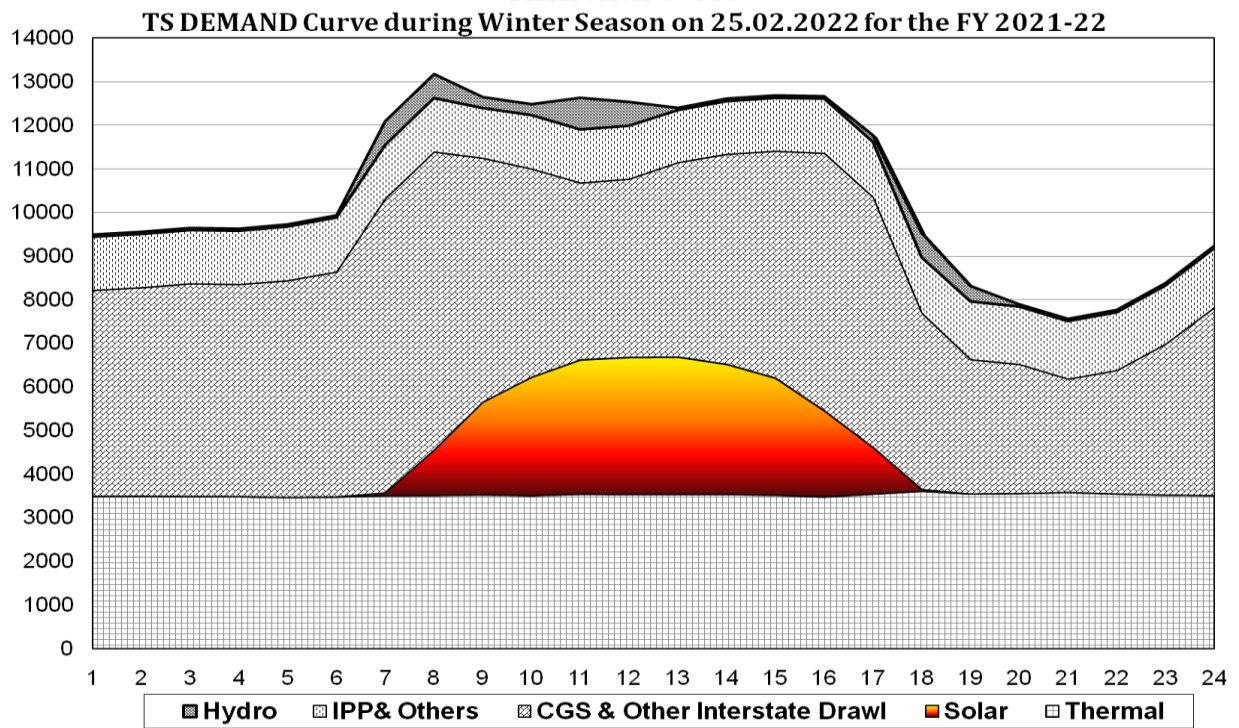
Annexure-3.a



Annexure -3.b



Annexure-3.c



B. LOAD DURATION CURVES

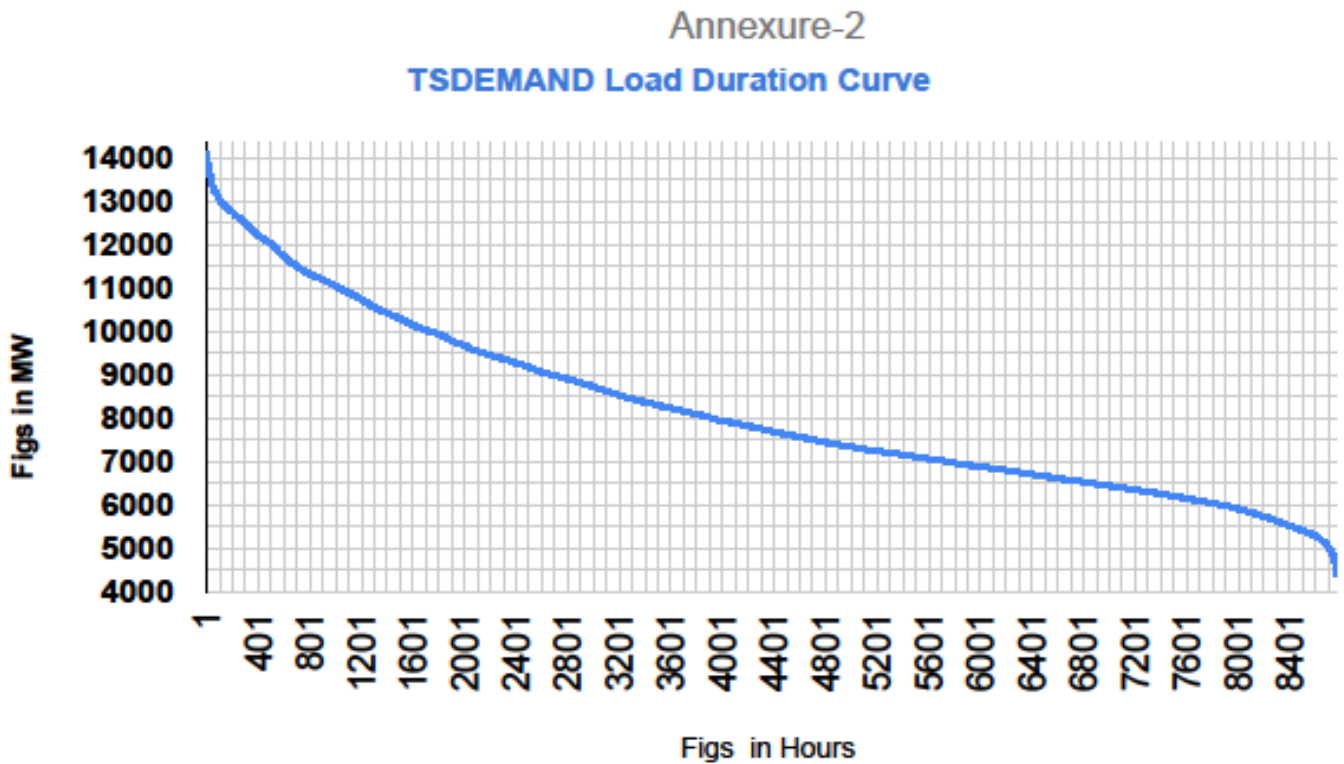
1) Requirement in the guidelines

Load duration curves for the past year and current year and expected load duration curve for the ensuing year. Indicate energy unserved on the load duration curves. (Guidelines – 10b).

2) TSTRANSCO's Response:

The energy availability in FY 2021-22 is 100% of the total energy requirement.

Load duration curve for the FY 2021-22 is enclosed as Annexure 2.



C. PLANS FOR CAPITAL EXPENDITURE**a) Requirement in the Guidelines:**

Plans for all Capital Expenditure. (Guidelines – 10g)

b) TSTransco's Response:**(I) 400kV SCHEMES: (a) Works completed during FY 2021-22****List of Lines and Substations commissioned during FY2021-22****1. 400kV lines**

| Sl. No. | Name of Line | Length in CKM | Date of commissioning |
|---------|---|---------------|---|
| 1 | 400kV QMDC Line from TSTPP to Ramadugu SS | 103.57 | charged on 24.08.2021 |
| 2 | 400kV QMDC Line from TSTPP to Narsapur SS | 354.40 | charged on 25.08.2021 |
| 3 | 400kV TMDC Line from Julurupadu SS to Kamalapuram LI SS | 79.14 | charged on 10.11.2021 |
| 4 | 400kV Kethireddypally-Rayadurg DC Line | 54.50 | Conventional Twin HTLS Line Charged on 13.01.2022 |
| | | 22.74 | Monopole HTLS line Charged on 13.01.2022 |
| | | 6.096 | 2500Sq.MM XLPE UG cable Charged on 13.01.2022 |
| | Total | 620.46 | |

2. 220kV lines

| S. No. | Name of Line | Length in CKM | Date of commissioning |
|--------|---|---------------|-----------------------|
| 1 | LILO of 220kV Gachibowli-Miyapur SC line to 400/220/132kV Rayadurg GIS - UG cable | 13.27 | Charged on 13.01.2022 |
| 2 | LILO of 220kV Gachibowli-Shapurnagar SC line to 400/220/132kV Rayadurg GIS - UG cable | 9.15 | Charged on 07.02.2022 |
| 3 | LILO of 220kV Gachibowli-Erragadda line to 400/220/132kV Rayadurg GIS - UG cable | 7.00 | Charged on 07.02.2022 |
| | Total | 29.42 | |

3. 132kV lines

| S. No. | Name of Line | Length in CKM | Date of commissioning |
|--------|---|---------------|-----------------------|
| 1 | 132kV DC line from 400kV Rayadurg GIS to 132kV Madhapur SS - UG cable | 5.50 | Charged on 20.01.2022 |
| 2 | 132kV DC line from 400kV Rayadurg GIS to 132kV Jublehills SS - UG cable | 10.12 | Charged on 20.01.2022 |
| | Total | 15.62 | |

4. 400kV Substations

| S.No. | Name of the Substation | Capacity (MVA) | Date of commissioning |
|-------|--------------------------------|----------------------|-----------------------|
| 1 | 400/220/11kV Kamalapuram LI SS | 2x315MVA | Charged on 11.11.2021 |
| 2 | 400/220/132/33kV Rayadurg SS | 2x500+2x160+3x80 MVA | Charged on 13.01.2022 |
| | Total | 2190 | |

5. Bays

| S. No. | Voltage Level (kV) | Name of the Substation | No. of Bays | Date of commissioning |
|--------|--------------------|------------------------|-------------|-----------------------|
| 1 | 400 | -- | -- | -- |
| 2 | 220 | -- | -- | -- |
| 3 | 132 | 132kV Jublee Hills SS | 2 | Charged on 10.05.2021 |
| 4 | 132 | 132kV Madhapur SS | 2 | Charged on 17.11.2021 |
| | Total | | 4 | |

b) 400 kV Schemes works in progress as on 31.03.2022:**1. RAYADURG SYSTEM IMPROVEMENT SCHEME:****i) 400/220/132/33kV GIS Substation at Rayadurg:**

132kV Bus charged on 02.12.2021.

PTR-1(160MVA) charged on 13.12.2021

PTR-2(160MVA) charged on 15.12.2021

220kV Bus charged on 15.12.2021.

Bus-1&2 charged on 13.01.2022

125MVAR Bus reactor charged on 13.01.2022

500MVA ICT-1&2 charged on 13.01.2022

33kV e-house bus charged 05.02.2022.

80MVA PTRS-3Nos charged on 05.02.2022.

- ii) **2 Nos. 400kV Quad Bay extension at 400/220kV Kethireddypalli SS:**
Charged on 20.11.2019.
- iii) **400KV DC Line (twin HTLS on Quad Conventional towers) from 400kV Kethiredypally SS to AP-41(27.252 kMs):**
Charged on 13.01.2022.
- iv) **400kV DC line (Twin HTLS on Monopoles:11.37 kMs):**
Charged on 13.01.2022.
- v) **400kV XLPE UG Cable(2500Sq.mm): Gachibowli (ORR Junction) to 400kV Rayadurg GIS(3.048Km) :**
Charged on 13.01.2022.
- vi) **LILO of 220kV Gachibowli – Shivarampally line to proposed Rayadurg SS - UG cable(5.16kM):**
All works completed and ready for charging.
- vii) **LILO of 220kV Gachibowli - Shapurnagar Line to proposed Rayadurg SS - UG cable(4.575kM):**
Charged on 07.02.2022.
- viii) **LILO of 220kV Gachibowli – Miyapur Line to proposed Rayadurg SS – UG cable(6.637kM):-**
Charged on 13.01.2022.
- ix) **LILO of 220kV Gachibowli - Erragadda line to proposed Rayadurg Sub-station(3.50kM):**
Charged on 07.02.2022.
- x) **132kV DC line from proposed Rayadurg GIS to 132kV Madhapur SS(2.750kM) - UG cable :**
Charged on 20.01.2022.
- xi) **132kV DC line from proposed Rayadurg GIS to 132kV Jubilee Hills SS-UG cable (5.06kM):-**
Charged on 20.01.2022.
- xii) **LILO of 132kV Erragadda – Shivarampally SS SC line to proposed Rayadurg SS - UG cable(2.663kM):-**

All works completed and ready for charging.

xiii) **2 Nos 132KV Bays at Madhapur SS :**

Charged on 17.11.2021.

xiv) **2 Nos. Bays at 132kV Jubilee Hills SS :**

charged on 10.05.2021.

2. YTPP Thermal Power Evacuation Scheme

i) **400/220/132kV Choutuppal Substation:**

400kV, 220kV & 132kV equipment erection works under progress.

ii) **400kV QMDC Line from YTPP Switchyard to proposed 400/220/132kV Choutuppal SS- 92.52kMs:**

Foundation:243/259 completed, Tower Erection:191/259 Completed,
Stringing:27.75/92.52kMs completed. Foundation & Tower erection and stringing works under progress.

iii) **400kV QMDC Line from YTPP Switchyard to 400/220 kV Dindi SS- 103.512kMs:**

Foundation: 249/290 completed, Tower Erection:228/290 completed and
Stringing:51.6/103.512kMs completed. Foundation, Tower erection & Stringing works under progress.

iv) **Double circuit LILO of existing 400kV Khammam- Mamidipally TMDC Line to proposed 400/220/132kV Choutuppal Sub-Station-(8.826kMs + 8.264kMs):**

Foundation: 48/48 completed, Tower erection 37/48 completed,
Stringing:0.075/17.09kMs completed. Tower erection and stringing works under progress.

v) **2 Nos. 400kV Quad Moose Bays at 400/220kV Dindi SS:**

Equipment foundation:72/72 completed. 400kV Equipment erection works under progress.

vi) **400/220kV Damaracherla Sub-Station.**

The Site handed over the contractor on 24.08.2020.

400kV and 220kV Tower erection completed.

400kV & 220kV Equipment foundations completed.

400kV & 200kV Equipment erection completed.

Control room building works and Compound wall, store cum office building, DG & FF Building, ICT works and Earthing works and Cable trench works are under progress.

vii) **400kV QMDC Line from Yadadri TPP, Switchyard to 400/220kV Damaracherla SS:**

Tower foundations - 16/16 Nos. completed.

Tower Erection –16/16Nos. completed.

Stringing -4.822/4.932kMs completed.

viii) **400kV Quad Moose DC Line from Yadadri TPP Switchyard to 400/220 kV Jangaon SS (150 kMs)**

Tower foundations - 327/390 Nos. completed.

Tower Erection – 211/402 Nos. completed.

Stringing – 13.37 (Final sag)/139kMs completed

ix) **Two (2) No. 400kV Bays at 400kV Jangaon SS:**

Equipment foundations works, Cable trench works, AC kiosk excavation works are under progress.

3. KTPP System Improvement Scheme

i) 400/220/132kV Sub-station at KTPP switchyard, Bhupalapally.

Compound wall construction work are under progress.

400kV side:

Tower foundations: 24/27 completed.

Tower Erection: 21/27 completed.

Equipment Foundation: 154/203 completed.

Equipment Structure erection: 82/203 completed.

220kV side:

Tower foundations: 52/55 completed.

Tower Erection: 46/55 completed.

Equipment Foundation: 165/232 completed.

Equipment Structure erection: 20/232 completed.

132kV side:

Tower foundations and Erection: 14/14 completed.

Equipment foundation: 37/60 completed.

Control Room Building: slab casted and column works under progress.

4. Diversion of 400kV lines for Railway Crossings

i) Diversion of 400kV QMDC line from 400kV Julurupadu SS to KTPS-VII at Loc. No. 38 to 43 - 2.5kMs approx:

Circuit –I&II was charged on 28.04.2021 & 06.05.2021 respectively.

ii) Diversion of 400kV TMDC line from KTPS VI to Khammam (PGCIL) at Loc.No.129 to 132 - 1.5kMs approx:

Circuit – I & II was charged on 30.07.2021 & 03.08.2021 respectively

5. Sitarama Lift Irrigation Scheme -

i) 220/11kV LI Substation at B.G.Kothur (V).

All works completed.

Substation test charged on 14.10.2019.

ii) LILO of one circuit of 220kV KTPS V-Lower Sileru -II Line to proposed Pump House-1 at B.G.Kothur for a length of 20 kMs.(approx).

All works completed including statutory inspection and ready for charging.

iii) Erection of LILO of one circuit of 220kV KTPS-Manuguru Line to proposed Pump House-1 at B.G.Kothur for a length of 1 kM.(approx).

All works completed, Line test charged on 14.10.2019.

iv) 220/11kV LI Substation at V.K.Ramavaram.

All works completed, Substation test charged on 28.12.2019.

v) 220kV KTS-Lower Sileru-I line to 220kV V.K.Ramavaram LI SS (1.416*2)

All works completed, Line test charged on 28.12.2019.

vi) Erection of LILO of 220kV KTS – Lower Sileru-I line at 400/220 kV Asupaka SS (0.524kM)

All works completed. Charged on 09.06.2020.

vii) 2Nos 220kV Bays at 220/11 KV VK Ramavaram LI SS under Sita Rama LIS in Bhadradi Kothagudem (Dist)

All works completed and Test charged on 04.09.2020

viii) Erection of 220kV TMDC Line from 400/220/11kV Kamalapuram SS to 220/11 kV V.K.Ramavaram for a length of 14.162kMs.(approx).

All works completed, Test charged on 04.09.2020.

ix) 400/220/11kV LI Substation at Kamalapuram with 3 x 315MVA Transformers.

Bus-I & II charged on 10.11.2021,

315MVA ICT I&II charged on 11.11.2021,

220kV Bus-I&II charged on 11.11.2021.

x) 2 Nos. 400kV Quad Bay extension at 400/220kV Julurupadu SS for Julurupadu to Kamalapuram line.

All works completed, Test charged on 07.01.2020.

xi) 400kV TMDC line from Julurupadu SS to Kamalapuram LI Sub Station for a length of 39.562kM.

Line charged on 10.11.2021.

6. Reactor Scheme-III:

- i) 1 No. 400kV 125 MVAR Reactor Bay extensions at 400kV Suryapet SS :**
All the Equipment & Tower foundations completed.
Bus reactor foundation works under progress.
- ii) 1 No. 400kV 125 MVAR Reactor Bay extensions at 400kV Jangaon SS :**
Equipment Foundation works completed
Bus reactor foundation works under progress.
- iii) 1 No. 400kV 125 MVAR Reactor Bay extensions at 400kV Maheswaram SS:**
All the Equipment Foundation are completed. Bus reactor foundation works under progress.
- iv) 2 Nos. 400kV 125 MVAR Reactor Bay extensions at 400kV Dindi SS :**
All the Equipment Foundation are completed.
Bus reactor foundation works under progress.
- v) 1 No. 400kV Bus 83 MVAR Reactor and 1 No.63 MVAR Line Reactor Bay extensions at 400kV Asuapaka SS:**
Equipment Foundation works completed
Bus reactor foundation works under progress.

(II) 220 kV & 132 kV Schemes: (a) Write up of completed works:

1. 220/132kV Sub-Station at Indravelly in Adilabad District

- The work is covered in the Nirmal Power Transmission Scheme
- The administrative approval was accorded vide T.O.O. (CE-400kV) Ms.No.07, Dated: 09.01.2018.
- The Work envisages the following:-
 - (i) Erection of 220/132kV Sub-Station at Indravelly in Adilabad District with 2x100 MVA PTRs. (Rs. 28.11Crores).
 - (ii) 220kV DC Line from proposed 400/220kV Nirmal SS to the proposed 220/132 kV Indravelly SS – 100KM(Rs. 89.10Crores).
- Funding tie up with M/s REC Ltd & amount Rs.1009.47Crores
- Date of commissioning: 27.08.2021

2. 220kV DC line from 400kV SS Dindi to 220/132kV SS Kondamallepally

- The work is covered in downstream of erection of 400/220kV SS at Dindi in Mahabubnagar District and connected network for 9 hrs Agricultural Supply during day.
- The administrative approval was accorded vide T.O.O.(CE-Projects-I) Ms.No.8, Dt:19 .01.2016.
- The Work envisages the following:
 - 220KV DC Line from proposed 400KVSS Dindi to existing 220 kV Kondamallepally SubStation- 35KM. (Rs. 27.09Crores).
 - Funding tie up with M/s REC Ltd & amount Rs. 273.55 Crores.
 - Date of commissioning: 31.03.2022.

3. Erection of 132/33 kV Substation at Nimmapalli in Karimnagar district

- The scheme is formulated under “System Improvement Transmission Scheme to improve voltage conditions and quality & reliability of power supply in the area”.
- The revised administrative approval was accorded vide T.O.O (CE-Transmission) Ms. No.161, Dated: 26.08.2015, Amount:Rs: 19.70Crores.
- The scheme envisages the following works
 - Erection of 132/33 kV Sub-Station at Nimmapally with 2X10/16 MVA (Released) PTRs.
 - Erection of 132 kV DC / SC line from the proposed 220/132 kV SS, Sircilla to proposed 132/33 kV Sub-station at Nimmapally- 21KM.
 - Funding tie up with M/s REC Ltd & amount Rs.17.73 Crores.
 - Date of commissioning: 29.04.2021.

4. Providing of 33 kV Features at upcoming 220/132 KV Sub-Station, Mahabubabad in Mahabubabad District

- The scheme is formulated under “System Improvement Transmission Scheme to minimize the line losses, to meet demand at water grid projects & 24 hours power supply and alternate 2nd source to Mahabubabad City District head quarters”.
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.170, Dated: 16.11.2017, Amount:Rs: 8.54Crores.
- The scheme envisages the following

- Providing of 33 kV Features at upcoming 220/132KV Substation Mahabubabad, in Mahabubabad District with Released 2X10/16 MVA PTRs.
- Funding tie up with M/s REC Ltd & amount Rs.7.44 Crores.
- Date of commissioning: 26.05.2021.

5. 132/33 KV Substation at Nagaram in Suryapet District

- The scheme is formulated under “System Improvement Transmission Scheme to meet the 24 Hrs Agriculture power supply, load demand in the scheme area and to avoid low voltage problems”.
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No. 193 ,Dt: 30.08 2018, Amount Rs.33.97 Crores.
- The scheme envisages the following works.
 - (i) Erection of 132/33 kV Sub-Station at Nagaram , SuryapetDist with 1 X 31.5 + 1x10/16 MVA PTRs.
 - (ii) Erection of 132 kV line with ACSR Panther Conductor on Galvanised Towers by making making LILO of 132 kV DC/SC line from 400/220/132 kV Suryapet SS to 132/33 KV Thungathurthy SS at newly proposed 132/33 KV Nagaram SS-16KM.
- The investment approval No. CRN No. TST/TS/Erection of 132/33 KV Sub station at Nagaram in Suryapet District. Approval/No.14/18/2018-19, date.: 12.12.2018, Amount .Rs.33.97 Crores.
- Funding tie up with M/s PFC Ltd & amount Rs.25.17 Crores
- Date of Commissioning :27.03.2022.

6. 2nd Circuit on 132KV DC/SC line from existing 220/132KV SS Waddekothapally to existing 132/33KV SS Peddanagaram.

- The scheme is formulated “to meet (N-1) Contingency in the Network for ensuring satisfactory Power Supply.”
- The administrative approval was accorded vide T.O.O(CE-Construction) Ms.No.149 Dated:09.10.2017,Amount:Rs.7.02 Crores.
- The scheme envisages the following works
 - (i) Stringing of 2nd circuit on 132KV DC/SC line from existing 220/132KV to existing 132/33KV SS Peddanagaram with Panther ACSR Conductor.
 - (ii) Erection of 132 KV feeder bays (at 220/132 KVSS Waddekothapally –

1No and at 132 kV SS PeddaNagaram 1 No.)

- Funding tie up with M/s REC Ltd & amount Rs.6.32 Crores
- Date of Commissioning:06.11.2021.

7. 132 kV Sub-station ZTS Moulali in Medchal-Malkajigiri District

The scheme is formulated “ to (i) reduce overloading at 400/220/132/33 kV Sub-Station, Malkaram & 220/132 33 kV Sub-Station, Moulali, (ii) reduce the length of lines feeding the scheme area, (iii) to provide reliable & uninterrupted power supply, (iv) reduce the overall energy losses in the system and (iv) to cater to the upcoming loads which are increasing multi-fold due to the vertical growth of the city and increase in commercial establishments.

- The administrative approval was accorded vide T.O.O (CE-Transmission) Ms. No. 31, Dated: 27.02.2017,Amount:Rs.49.78crores.
- The scheme envisages the following works
- (i) Erection of 132/33 kV Sub-Station at Moulali ZTS in Medchal Malkajigiri District with 2x50 MVA PTRs.
- (ii) Erection of 132 kV DC line with 630sqmm XLPE UG Cable from 220kV Moulali SS to 1342/33kV SS Mulali ZTS – 3.5 kM
- (iii) 132kV Bay extensions at 220kV Moulali Substation- 2Nos.
- The investment approval No CRN: TS/TST/ 132/33kV Moulali ZTS SS,
- Investment Approval No. 17/17, 2017-18.
- Funding tie up with M/s REC Ltd & amount Rs.44.47 Crores
- Date of Commissioning:30.07.2021.

8. 132/33kV Substation Gachibowli in Rangareddy District

- The scheme is formulated “to provide alternate source of supply to the 33/11 KV Sub-stations in the scheme area and to extend supply to 33 kV dedicated feeder applications pending for feasibility from Gachibowli and Madhapur Sub-Stations area for a load of 71.5 MW & the upcoming loads”.
- The administrative approval was accorded vide T.O.O (CE-Transmission) Ms. No. 27, Dated: 27.02.2017,Amount:Rs.18.73crores.
- The scheme envisages the following works
- (i) Erection of 132/33 kV Sub-Station at Gachibowli in Ranga Reddy District With 2x80 MVA PTRs.
- (ii) Erection of 132 kV DC line from 220kV SS Gachibowli to 132/33kV SS

Gachibowli– 1kM

- Funding tie up with M/s REC Ltd & amount Rs. 16.53 Crores
- Date of Commissioning: 22.09.2021.

9. 132/33kV Substation Pasra in Mulugu District

- The scheme is formulated “to provide uninterrupted and reliable power supply during Asia’s biggest Tribal Bi-annual Sammakka Saarammajatara at Medaram village, Tadwai Mandal of Mulugu district, where the congregation of more than 1.5 Cr pilgrims participate in the festival will be facilitated for drinking, bathing and lighting during the entire festival days”.
- The administrative approval was accorded vide T.O.O(CE-Construction) Ms.No.1099 , Dated: 30.06.2021. , Amount: Rs.12.80 Crores.
- The scheme envisages the following works
 - (i) Erection of 132/33 kV Sub-Station at Pasra in Mulugu District with 2 X 10/16 MVA PTRs.
 - (ii) LILO of existing 132kV Kamalpur-Chelpur line to 132kV SS Pasra – 1.9kM
- Funding from TSTransco funds & amount Rs.12.80Crores
- Date of Commissioning :31.01.2022

10.LILO of one circuit of 132kV Ichoda - Adilabad line to 220/132 kV SS Indravelli.

- The work is covered in the Nirmal Power Transmission Scheme
- The administrative approval was accorded vide T.O.O. (CE-400kV) Ms.No.07, Dated: 09.01.2018.
- The Work envisage the following
 - 132kV LILO line to the proposed 220/132kV SS Indravelly from Loc No.211 (R+3) of existing 132kV Ichoda – Adilabad Line. (Rs. 20.40 Cr)
- Funding tie up with M/s REC Ltd & amount Rs.1009.47Crores
- Date of commissioning: 27.08.2021

11.132kV DC line from 220KV SS Indravelli to 132kV Adilabad SS

- The work is covered in the Nirmal Power Transmission Scheme
- The administrative approval was accorded vide T.O.O. (CE-400kV) Ms.No.07, Dated: 09.01.2018.
- The Work envisage the following

- (i) 132kV DC line from Proposed 220/132 kV Indravelly SS to the existing 132kV AdilabadSS. (Rs. 3417.00 Lakhs)
- (i) 132 kV Bay extensions at 132kV SS Adilabad – 2Nos. (Rs. 1.92Crores)
 - Funding tie up with M/s REC Ltd & amount Rs.1009.47Crores
 - Date of commissioning: 31.03.2022

(b) Write up of works under progress (ongoing)

1. 132 kV DC line from the proposed 220/132/33 kV SS Parigi to 132/33 kV SS Dharmasagar

- The work is covered in 132KV SS Donthanpally.
- The administrative approval was accorded vide T.O.O.(CE-Construction) Ms.No.82, Dt:18.04.2018, Amount: 3215.00 Lakhs
- The scheme envisages the following work
- 132 kV DC line from the proposed 220/132/33 kV SS Parigi to 132/33 kV SS Dharmasagar- 36KM (Rs.1836.00 Lakhs)
- The investment approval No.CRN.No.TST/TS erection of 132 kV SS at Donthanpalli in Rangareddy District /F-Revised approval/ INVST-12/18/2018-19, dt.10.09.2018, Amount in Rs.3215.00 Lakhs
- Funding tie up with M/s. REC Ltd & amount Rs.1926.27 Lakhs.

2. 132 kV SS Kandukuru & connected lines in Rangareddy District

- The scheme is formulated under “System Improvement Transmission Scheme to meet increased load on 33/11 kV substations and also to reduce 33 kV line losses”.
- The administrative approval was accorded vide T.O.O (CE-Construction-I) Ms.No. 347, Dated: 13.02.2013, Amount: Rs. 2275 Lakhs
- The scheme envisages the following work
 - (i) 132/33 kV Substation at Kandukuru with 1x31.5 + 1 x 16 MVA(Released) PTR Capacity
 - (ii) 132 kV DC/SC line from proposed 220/132 kV Fab city substation to the proposed 132/33 kV Kandukuru substation on narrow based towers and Normal towers- 18KM
 - (iii) 132KV Bay extension at 132/33KV SS Fabcity- 1No.
- The investment approval No TST/TS/132 kV SS-Kandukuru/ F-INVST-05/2015.Dt.08.10.2014, Amount in Rs.22.74 Cr
- Funding tie up with M/s. REC Ltd.& amount Rs.2005.78 Lakhs.

3. Providing of alternate supply to 132 /33 kV SS Chennur and 132/33 kV SS Kataram from 220/132 kV SS, Manthani.

- The scheme is formulated under “System Improvement Transmission Scheme under the program for providing 9.00 Hrs Day Time Supply for Agriculture”.
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No. 210, Dt:06.11.2015, Amount:Rs.1213.00 Lakhs.
- The scheme envisages the following works
 - (i) Stringing of two circuits on already approved (under construction) 132 KV Multi circuit towers from 220/132 KV SS Manthani upto Loc. No. 19 of existing 132Kv Manthani – Kataram line- 5 KM
 - (ii) Erection of 132 kV DC line (5.00 KM) from existing Loc. No. 19 upto Loc.No. 34A, of 132 kV Manthani – Kataram line- 5KM
 - (iii) Stringing of 2nd circuit from newly proposed DC line (from Loc No. 34A of 132 kV Manthani – Kataram) to 132/33 kV Chennur SS on the existing DC/SC line- 19KM
 - (iv) Stringing of 2nd circuit from Loc. No. 34A of existing 132 kV Manthani – Kataram line to 132/33 kV SS Kataram-26KM
 - (v) Erection of 132 KV bay (at 220/132 KVSS Manthani - 2 Nos., at 132 kV SS kataram - 1No.at 132 kV SS Chennur - 1 No.)- 4Nos
- Funding tie up with M/s. REC Ltd & amount Rs.1091.70 Lakhs.

4. Erection of 220 KV D/C Line from 400/220/132kV Gajwel SS to 220/132 kV Siddipet SS

- The scheme is formulated under “System Improvement Transmission Scheme under the program for providing 9.00 Hrs Day Time Supply for Agriculture”.
- The administrative approval was accorded vide T.O.O (CE-Transmission) MS.No 225,Dt:10.12.2015, Amount: Rs.3811.70 Lakhs.
- The scheme envisages the following works
 - (i) Erection of 220 kV DC line on Galvanised Towers with Moose ACSR from 400/220/132 kV SS Gajwel to 220/132 kv SS Siddipet- 40KM
 - (ii) Erection of 220 KV Bays (Gajwel-2, Siddipet-2)- 4Nos.
- The investment approval No. CRN.No.TST/TS/Erection of 220 KV DC line Gajwel/Siddipet/Invest.App.04/17-2017-18.,date.02.07.2017 Amount.Rs.38.11 Cr
- Funding tie up with M/s. REC Ltd & amount Rs.3430.53 Lakhs

5. 220/132/33 kV Substation at Borampet in Ranga Reddy district

- The scheme is formulated “for evacuation of power from 2 X 800 MW Telangana STPP to be established by NTPC at Ramagundam”.
- The administrative approval was accorded vide T.O.O (CE-Transmission) Ms. No. 72 Dated: 13.05.2016, Amount: Rs.212.20Crores
- The scheme envisages the following works
 - (i) Erection of 220/132/33 kV Sub-Station at Borampet with 2 X 160 MVA + 2 X 80 MVA PTR Capacities.
 - (ii) 220 kV Multi Circuit OH line on MC Towers with Moose ACSR from 400 kV Narsapur SS to proposed 220 kV Borampet SS-38 KM
 - (iii) 220 kV DC line with UG Cable from 400 kV Narsapur SS to proposed 220 kV Borampet SS – 5 KM.
 - (iv) Erection of 220 kV Bays at 400 kV Narsapur-2 Nos.
- The investment approval CRN No. TST/TS/ 220/132/33 kV SS, Borampet RR District/ INVST- No. 07/16 - 2016-17.date.19.10.2016, Amount.Rs.21.22 Cr
- Funding tie up with M/s PFC Ltd & amount Rs. 182.98 Crores

6. 132/33 kV Substation at PTO, Petlaburz, Hyderabad District

- The scheme is formulated to reduce overloading of PTRs at 220/132/33 kV Shivarampally Sub-Station & 132/33 kV Imlibun Sub-Station, to reduce the length of 33 kV lines feeding the scheme area, thereby reducing the time taken in locating faults, attending breakdowns, restoration of supply & carrying out the regular maintenance works, to provide reliable & uninterrupted power supply, an alternate source of supply in the scheme area and to cater to the upcoming loads.”
- The administrative approval was accorded vide T.O.O (CE-Transmission) Ms. No. 29 Dated: 27.02.2017, Amount: Rs.39.93 Crores.
- The scheme envisages the following works
 - (i) Erection of 132/33 kV GIS substation at Police Transport Organisation (PTO), Petlaburz with 2X80 MVA PTR .
 - (ii) Erection of 132 kV DC line with 630 Sqmm 132 kV UG cable from the 220 kV GIS substation, Imlibun to the proposed 132/ 33 kV GS SS at Police Transport Organisation (PTO), Petlaburz-1.5 KM
 - (iii) Erection of 132 kV DC OH line on galvanised double circuit towers with Panther ACSR-3.5KM.

- The investment approval No. CRN TS/TST/132/33 KV, GIS, Petlaburzinvest. Approval No.5/17-2017-18. date.August-2017, Amount.Rs.39.92 Cr
- Funding tie up with M/s REC Ltd & amount Rs. 35.94Crores

7. Erection of 132kV DC line from proposed 220/132kV SS Madugula to existing 132/33 kV Takkalapally (Yacharam) SS

- The scheme is formulated to “reduce overloading of 132kV Godakandla – Takkalapally (Yacharam) line and to have reliable incoming supply from the 220 KV substation. Further there will be a load relief on 220 KV KM Pally Sub-Station.”
- The administrative approval was accorded vide T.O.O (CE-Transmission) Ms. No. 88 Dated: 02.06.2017, Amount: Rs.11.77 Crores
- The scheme envisages the following works
 - (i) Erection of 132 kV DC line from 220/132/33 kV Madugula SS to 132/33kV Takkalapally (Yacharam) SS – 17Km
 - (ii) Erection of 132kV bays at 132/33kV Takkalapally SS- 2 Nos
- Funding tie up with M/s REC Ltd& amount Rs. 10.60Crores

8. 132/33 kV SS with connected line at Choppadandi in Karimnagar Dist.

- The scheme is formulated “to feed the existing and upcoming loads and to extend power supply to Agriculture sector with quality & reliable power.”
- The administrative approval was accorded vide T.O.O (CE-Transmission) Ms. No. 86 Dated: 29.05.2017, Amount: Rs.22.85 Crores
- The scheme envisages the following works
 - (i) Erection of 132/33 kV Sub-Station at Choppadandi in Karimnagar District with 2 X 31.5 MVA PTRs
 - (ii) Erection of 132 kV DC/SC line for LILO of 132 kV line from 220 kV Malyalapally Sub-Station to 220 kV Durshed Sub-Station at the proposed 132/33 kV Choppadandi Sub- Station-13 KM.
- The investment approval CRN No.TS/TST/132/33 KV, Choppadandi, SS /Investment Approval No.20/18,2017-18, date.27.02.2018,Amount.Rs.22.85 Cr
- Funding tie up with M/s PFC Ltd & amount Rs. 19.97 Cr

9. 132/33 kV Substation at Pitlam in Nizamabad District

- The scheme is formulated under “System Improvement Transmission Scheme to feed the existing & upcoming loads, to improve the voltage regulation in 33KV feeders and also to cater the loads of 24 hours Agriculture supply”.

- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.13,Dt: 20.01.2018, Amount Rs.3580.00 Lakhs
- The scheme envisages the following works
 - (i) Erection of 132/33KV Substation at Pitlam with PTR capacity of 2x31.5MVA
 - (ii) Erection of 132KV DC/SC line from 220KV SS Banswada to proposed 132KV SS Pitlam- 26.5KM
- The investment approval No. CRN No. TST/TS/Erection of 132/33 KV SS at Pitlam in Khammam Dist./ Approval No.04/2018-19.Date.01.06.2018 Amount. Rs.3580lakhs.
- Funding tie up with M/s. REC Ltd & amount Rs.3180.02 Lakhs

10.Erection of 220/132 kV Sub-Station at Ammavaripet in Warangal-Urban District

- The scheme is formulated under “System Improvement Transmission Scheme to feed the upcoming industrial corridor at Madikonda and a Textile Park at Geesugonda”.
- The administrative approval was accorded vide T.O.O (CE-Construction) MS.No.294,Dt:29.01.2019, Amount: Rs.126.86 Crores.
- The scheme envisages the following works.
 - (i) Erection of 220/132 kV Sub-Station at Ammavaripet with 2X100 MVA PTR Capacity in Warangal Dist.
 - (ii) Erection of 220 kV DC Line on Galvanized Towers with Moose ACSR Conductor for LILO of one circuit of 220 kV Mahabubabad - Warangal line to proposed 220 kV Ammavaripet SS- 31KM.
 - (iii) Erection of 132 kV DC Line on Galvanized Towers with Panther ACSR Conductor from the proposed 220/132 kV Sub-station Ammavaripet to the existing 132/33 kV Sub-Station, Geesukonda- 23KM.
 - (iv) Erection of 132 kV Line on Multi-circuit Towers with Panther ACSR Conductor for accomdation of 132 KV Line to 132KV SS Inavole and 132KV Line to 132KV SS Wardhannapet from the proposed 220/132 kV Sub-station Ammavaripet to AP 8- 6.98KM.
 - (v) Erection of 132 kV DC/SC Line on Galvanized Towers with Panther ACSR Conductor from the AP.8 to the 132/33 kV SS Inavole-2.32KM.
 - (vi) Erection of 132 kV DC/SC Line on Galvanized Towers with Panther ACSR Conductor from the AP.8 to the 132/33 kV SS Wardhannapet- 16.25KM.

- (vii) Erection of 132 kV Bays (2 Nos at 132 kV Geesukonda, 1 No at 132 KV Wardannapet & 1 No at 132 kV Inavole)- 4Nos.
- (viii) The investment approval No. CRN No: TST/TS/Erection of 220/132 kV Substation at Ammavaripet, Kazipet (M) in Warangal Urban District. Approval/ No.02/2019-20, Date. 10.08.2018, Amount.Rs.126.91 Cr
- Funding tie up with M/s PFC Ltd & amount Rs.87.24Crores.

11.33 kV features at 132 KV Railway Traction Switching Station, Kothagudem, Kothagudem Bhadradi District

- The scheme is formulated under “System Improvement Transmission Scheme to extend reliable supply to district head quarter and also to evacuate 25 MW SCCL solar power.
- The administrative approval was accorded vide T.O.O (CE-Construction) MS.No 217,Dt: 25.09.2018, Amount Rs:992 Lakhs.
- The scheme envisages the following work
- 33 KV features at 132 KV Railway Traction Switching Station, Kothagudem, Kothagudem Bhadradi District with 2 X 10/16 MVA PTRs.
- Funding tie up with M/s PFC Ltd & amount Rs 7.35 Crores

12.132/33kV SS at Padmanagar in Karimnagar District

- The scheme is formulated “to meet the existing & upcoming load demand in the Karimnagar town.”
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.254, Dated:26.11.2018. Amount: Rs.19.29 Crores
- The scheme envisages the following works.
 - (i) Erection of 132/33 kV Sub-Station Padmanagar (V) in Karimnagar District with 2x10/16 MVA capacity
 - (ii) LILO of 132 KV Line (one circuit) from 220/132 KV SS Durshad to the 132/33 KV SS Siricilla to proposed 132/33 KV SS Padmanagar-7 KM
- Funding tie up with M/s PFC Ltd & amount Rs. 14.20 Crores.

13.132/33 KV Gas Insulated Sub-station (GIS) at Seetharambagh

- The scheme is formulated “to reduce overloading of PTRs at 220/132/33 kV Shivarampally Sub-Station & 132/33 kV Imlibun Sub-Station, to reduce the length of 33 kV lines feeding the scheme area, thereby reducing the time taken in locating faults, attending breakdowns & restoration of supply, to provide

reliable & uninterrupted power supply, to reduce the overall energy losses in the system”.

- The administrative approval was accorded vide T.O.O(CE-Transmission) MS.No.28 Dated:27.02.2017, Amount:Rs.63.63 Cr.
- The scheme envisages the following works
 - (i) Erection of 132/33 kV GIS substation at Seetharambagh with 2X80 MVA PTRs
 - (ii) Erection of 132 kV DC line with 630 Sqmm 132 kV UG cable from Asifnagar Sub-Station to the proposed 132/33 kV GIS substation at Seetharambagh- 4kM
 - (iii) 132 kV Bay extensions at Asifnagar substation-2 Nos.
- The investment approval No. CRN TS/TST/132/33 KV, GIS, Seetharambagh /Invest.Approval No.6/17-2017-18. date.August-2017 Amount.Rs.63.63 Cr
- Funding tie up with M/s REC Ltd & amount Rs. 57.27Crores.

14.132/33 KV IDA Mallapur Sub-station in Medchal-Malkajgiri District.

- The scheme is formulated “to reduce overloading of PTRs at 220/132/33 kV Moulali Sub-Station, 220/132/33 kV Ghanapur Sub-Station & 132/33 kV Sub-Station, Bandlaguda, to improve voltage regulation, to reduce power losses, to provide reliable & uninterrupted power supply, to reduce the overall energy losses in the system and to cater to the upcoming loads of the IDA Mallapurhaving continuous and rapid industrial load growth.
- The administrative approval was accorded vide T.O.O(CE-Transmission) MS.No.30 Dated:27.02.2017, Amount:Rs.19.05 Cr.
- The scheme envisages the following works
 - (i) Erection of 132/33 kV AIS substation at IDA Mallapur with 1X80 + 1X50 MVA PTR.
 - (ii) Erection of 132 kV DC OH line on galvanised NB towers with Panther ACSR for LILO of 132 kV Ghanapur - Moulali line at the proposed 132 kV IDA Mallapur SS- 2kM.
- Funding tie up with M/s REC Ltd & amount Rs.16.81 Cr.

15.132 kV features at 220 kV Thimmajipet Switching Station in Mahaboobnagar District and extending connectivity to 132 kV Jadcherla Sub-Station from Thimmajipet

- The scheme is formulated as part of “Comprehensive Transmission Requirement Scheme for the years 2012-2017”
- The administrative approval was accorded vide T.O.O(CE-Construction) MS.No.103 Dated:11.07.2017, Amount:Rs.29.32 Cr.
- The scheme envisages the following works

- (i) Erection of 132kV features at 220 kV Thimmajipet Switching Station in Mahaboobnagar District with 2x100 MVA PTRs.
- (ii) Erection of 132 kV DC line on Galvanised Towers with Panther ACSR from the existing proposed 220/132 kV Thimmajipet Sub-Station, to the existing 132/33 kV Jadcherla Sub-Station -18kM.
- (iii) 132 kV Bay extensions at 132/33 kV Sub-Station, Jadcherla- 2 Nos.
- The investment approval No. CRN/TS/TST/220/Switching Station/ Mahaboobnagar / 132 KV Features /InvestApproval No.14/17-2017-18. date. December-2017,Amount.Rs.29.32 Cr
- Funding tie up with M/s REC Ltd & amount Rs.26.39 Cr

16.33 kV Features at upcoming 220/132 KV Sub-Station, Ammavaripet in Kazipet (M), Warangal Urban (District).

- The scheme is formulated “to meet the growing demand of the Warangal city with reliable supply and reduced line losses.”
- The administrative approval was accorded vide T.O.O (CE-Construction) MS.No.341 Dated:02.04.2019,Amount:Rs.8.10 Cr.
- The scheme envisages the following work.
 - (i) Providing of 33 kV Features at upcoming 220/132 KV Sub-Station, Ammavaripet in Kazipet (M), Warangal Urban (District) with Released 2X50 MVA PTRs.
- Funding from TSTransco funds

17.132/33kV SS at Pammy in Khammam District.

- The scheme is formulated “to feed the supply to existing 6Nos 33/11KV Substations.”
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.14, Dated:20.01.2018. Amount: Rs.23.39 Crores
- The scheme envisages the following works
 - (i) Erection of 132/33 kV Sub-Station at Pammy in Khammam District with 2 X 31.5 MVA PTRs.
 - (ii) Erection of 132 kV DC line for LILO of 132 kV Kusumanchi-Chilakallu line at the proposed 132/33 kV Pammy Sub- Station -8Km.
- The investment approval No. CRN No. TST/TS/Erection of 132/33 KV SS at Pammy in Khammam Dist. Approval/No.03/2018-19, date. 01.06.2018 Amount.Rs.23.39 Cr

- Funding tie up with M/s REC Ltd& amount Rs. 20.64Crores

18.132/33 kV SS at Peechara in Warangal Dist.

- The scheme is formulated “to meet the load demand and to improve the voltage profile”
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.43, Dated:06.03.2018. Amount: Rs.43.92 Crores
- The scheme envisages the following works
 - (i) Erection of 132/33 kV Sub-Station at Peechara, Warangal Dist with 2 X 31.5 MVA PTRs.
 - (ii) Erection of 132 kV DC line with HTLS Conductor on Galvanised Towers by making LILO of existing 132 kV line from 220/132/33KV Waranagal SS to 132/33KV Jangaon SS at proposed 132/33KV Peechara SS-12 KM
- The investment approval No. CRN No.TST/TS/Erection of 132/33 KV Substation at Peechara in Warnagal District. Approval No. 05/2018-19.date. 19.07.2018, Amount.Rs.43.92 Cr
- Funding tie up with M/s REC Ltd.& amount Rs. 39.11 Crores

19.132/33 KV Sub-station DanduMalkapur (V) in Chotuppal (M) of Yadadri Bhuvanagiri District

- The scheme is formulated “to meet the load demand and to improve the voltage profile”
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.965, Dated:05.02.2021, Amount: Rs.37.55Crores
- The scheme envisages the following works
 - (i) Erection of 132/33 kV Sub-Station at TSIIC DanduMalkapur , Yadadri BhuvanagiriDist with 2 X 50 MVA PTRs
 - (ii) Erection of 132 KV DC/SC line from 132/33 KV Choutuppall SS to proposed 132/33 KV SS at Dandu Malkapur-18 KM
 - (iii) Erection of 132 KV feeder bay (at 132/33 KV SS Choutuppall)
- The investment approval No. CRN No.TST/TS/ Erection of 132/33kV Substation at Dandumalkapur (V) in Yadadri Bhuvanagiri District, Approval No:01/2021-22
- Funding from TSTransco funds.

20.132/33 KV Sub-Station at Koutala (V) in Koutala (M) of Komaram Bheem Asifabad District.

- The scheme is formulated “ for providing reliable power supply to the consumers & Lift Irrigation schemes and to avoid the low voltage problems & frequent interruptions in the scheme area”
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.981, Dated:22.02.2021, Amount: Rs.56.56Crores
- The scheme envisages the following works
 - (i) Erection of 132/33 kV Sub-Station at Koutala in Komaram Bheem Asifabad Dist with 2 X 10/16 MVA PTRs (Released)
 - (ii) 132 KV DC/SC line from existing 132 KV SirpurKagaznagar SS to proposed 132 KV SS Koutala-43.528 KM
 - (iii) 132 KV feeder bay at existing 132 KV SS SirpurKagaznagar
- The investment approval No. CRN No.TST/TS/ Erection of 132/33kV Substation at koutala (V) & (M) of Momaram Bheem Asifabad District. Approval No:02/2021-22.
- Funding from TSTransco funds.

21. 2nd circuit stringing on existing 132 kV DC/SC line from 220/132/33 kV Kalwakurthy SS to 132/33 kV SS Achampet in Nagarkurnool District

- The scheme is formulated “to meet N-1 contingency and to reduce overloading on the existing 132 kV Kalwakurthy – Achampet SC line”
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.1159, Dated:13.08.2021, Amount: Rs.10.39Crores
- The scheme envisages the following works
 - (i) 2nd circuit Stringing on existing 132 kV DC/SC line from 220/132/33 kV Kalwakurthy SS to 132/33 kV SS Achampet – 38km.
 - (ii) 132kV Bay Extensions (1 No at 220kV SS Kalwakurthy, 1 No at 132kV SS Achampet)
- Funding from TSTransco funds.

22. 2nd circuit stringing on existing 132 kV DC/SC line from 220/132/33 kV SS Chegur to 132/33 kV SS Kothur in Rangareddy District

- The scheme is formulated “to meet the emergency & N-1 contingency”.
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.1165, Dated:17.08.2021, Amount: Rs.3.39Crores

- The scheme envisages the following works
 - (i) 2nd circuit Stringing on existing 132 kV DC/SC line from 220/132/33 kV Chegur SS to 132/33 kV SS Kothur.– 7 km.
 - (ii) 132 kV Bay Extensions (1 No at 220kV SS Chegur, 1 No at 132 kV SS Kothur).
- Funding from TSTransco funds.

23. 2nd circuit stringing on existing 132 kV DC/SC line from 132/33 kV Shaligowraram SS to 132/33 kV Mothkur SS in Nalgonda District

- The scheme is formulated “to maintain reliable and quality of power supply to the consumers in that area of Nalgonda District”.
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.1271, Dated:20.12.2021, Amount: Rs.6.53Crores
- The scheme envisages the following works
 - (i) 2nd circuit stringing on existing 132 kV DC/SC line from 132/33 kV Shaligowraram SS to 132/33 kV SS Mothkur.– 22km.
 - (ii) 132kV Bay Extensions (1 No at 132kV SS Shaligowraram, 1 No at 132/33 kV SS Motkur)
- Funding from TSTransco funds.

24. 132 kV DC line from 400/220/132 kV SS Narsapur to 132/33 kV SS Yeldurthy in Medak District

- The scheme is formulated “to mitigate overloading on 132 kV Gajwel – Chegunta DC line”.
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.1208, Dated:04.10.2021, Amount: Rs.30.58Crores
- The scheme envisages the following works
 - (i) Erection of 132kV DC line on Galvanized Towers with Panther ACSR conductor from 400/220/132 kV SS Narsapur to 132/33 kV SS Yeldurthy.– 23km.
 - (ii) Erection of 132 kV feeder bays (2 Nos at Narsapur& 2 Nos at Yeldurthy)
- Funding from TSTransco funds.

25. 132/33 kV Sub-Station at Nuthankal (V) & (M) in Suryapet District instead of 132/33 kV Aipoor SS in Suryapet District

- The scheme is formulated “to overcome the low voltage problems, to cater to the upcoming loads and also to provide quality power supply to the consumers”.
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.1330, Dated:10.03.2022, Amount: Rs.30.55Crores.
- The scheme envisages the following works.
 - (i) Erection of 132/33kV Sub-station at Nuthankal in Suryapet District with PTRs capacity of (2x50 MVA) + (1x10/16 MVA Released.)
 - (ii) Stringing of 2nd circuit from Loc.No.16 to Loc.No.75 (Tapping Tower) on existing 132kV DC/SC line from 400/220/132 kV SS Suryapet to 132/33kV SS Thungathurthy towers– 16.5kM.
 - (iii) Erection of 132kV DC/SC line from Loc.No.75 (Tapping tower) to proposed to 132/33kV SS Nuthankal on Galvanised towers – 9.5kM.
 - (iv) 132 kV Bay extension at 400/220/132kV SS Suryapet-1No.
- The investment approval No: TST/TS/ Erection of 132/33kV Sub station at Nuthankal (V) & (M) in Suryapet District instead of 132/33 kV Aipoor SS in Suryapet district. Approval No. 02/2022-23.
- Funding tie up with M/s REC Ltd. &TSTransco funds.

26. Upgradation of existing 132/33 KV Kathalapur SS to 220/132/33 KV SS Kathalapur in Jagityal Dist

- The scheme is formulated “to reduce the overloading of both 132 kV RSS-Dharmaram and 132 kV Jagityal – Korutla feeders”.
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.1266, Dated:16.12.2021, Amount: Rs.73.29Crores
- The scheme envisages the following works
 - (i) Up gradation of existing 132/33 KV Kathalapur SS to 220/132/33 KV Substation with 2x100 MVA PTR capacity in Jagityal Dist.
 - (ii) Making LILO of 220 kV Medaram – Dichpally line to upgraded 220/132/33 kV Kathalapur SS– 1.85kM
 - (iii) Making LILO of 132 kV Dharmaram – Godur line to upgraded 220/132/33 kV Kathalapur SS- 16 kM
 - (iv) Making LILO of 132 kV Godur – Pochampad line to upgraded 220/132/33 kV Kathalapur SS – 20 kM

- The investment approval No: TST/TS/ Up gradation of existing 132/33kV Substation Kathlapur SS to 220/132/33kV Kathlapur SS in Jagtial District: Approval No: 03/2022-23
- To be tied up with funding agencies M/s.PFC and M/s.REC and/ or with TSTransco funds

27. Providing of 132 kV features at existing 220/33 kV Sub Station Nagaram in Warangal Urban District

- The scheme is formulated “for system improvement and to overcome constraints at various EHT Substations”.
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.1212, Dated:07.10.2021, Amount: Rs.58.98Crores
- The scheme envisages the following works
 - (i) Providing of 132 kV features at existing 220/33 kV SS Nagaram with 220kV Quad Bus extension and 2x100 MVA PTR capacity in Warangal Urban District
 - (ii) Erection of 132 kV Multi circuit towers with ACSR panther conductor for making LILO of 132KV Warangal-Kamalapur line and 132 KV Warangal-Kalvasrampur line to existing 220 kV SS Nagaram.– 2.2.kM.
 - (iii) Erection of 132 kV Double Circuit line on Galvanized Towers with Panther ACSR Conductor from the 220 kV SS Nagaram to 132/33KV SS Waddepally.- 21 kM
 - (iv) 1 No. feeder Bay at 132 kV SS Waddepally
 - (v) 1 No.132 kV GIS Module feeder Bay at 132 kV SS Waddepally
- To be tied up with funding agencies M/s.PFC and M/s.REC and/ or with TSTransco funds.

28. 2nd circuit stringing on existing 132 kV DC/SC line from 220/132/33 kV Shadnagar SS to 132/33 kV SS Srirangapur in Ranga Reddy District.

- The scheme is formulated “to maintain reliable and quality power supply to the consumers in that scheme area”.
- The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.1461, Dated:19.08.2022, Amount: Rs.5.79Crores
- The scheme envisages the following works
 - (i) 2nd circuit stringing on existing 132 kV DC/SC line from 220/132/33 kV Shadnagar SS to 132/33 kV SS Srirangapur.– 13.4kM.

- (ii) 132kV Bay Extensions (1 No at 220/132/33 kV SS Shadnagar & 1 No at 132/33 kV SS Srirangapur)

➤ To be tied up with funding agencies M/s.PFC and M/s.REC and/ or with TSTransco funds

29. Erection of 132/33 kV Sub-Station at Vemula (V), Addakal (M) in Mahabubnagar District instead of 132/33 kV SS at Addakal (V) & (M) in Mahabubnagar District

➤ The scheme is formulated “to provide quality, reliable & uninterrupted power supply to the consumers and also to meet the future demand”.

➤ The administrative approval was accorded vide T.O.O (CE-Construction) Ms. No.1491, Dated:20.10.2022, Amount: Rs.32.92Crores

➤ The scheme envisages the following works

(i) 132/33kV SS Vemula (V), Addakal (M) with PTR capacity of 2x50 MVA

(ii) 132 kV DC/SC line from 132/33kV SS Khillaghnapur to the proposed 132/33 kV Vemula SS – 13kM.

(iii) 132kV Bay Extension (1No at 132kV SS Khillaghanapur)

➤ To be tied up with funding agencies M/s.PFC and M/s.REC and/ or with TSTransco funds.

(III) Renovation Modernization and Improvization Schemes:

(a) Write up for ongoing RMI Works

- i) An amount of Rs.300.00 Cr capital expenditure was projected for Renovation and Modernization of old assets (RMI schemes) in the ARR of 4th control period (FY 2019-20 to 2023-24) and Hon’ble commission has accorded approval for Rs.300.00 Cr in its Tariff Order Dt. 20.03.2020 (page No. 58 as follows:

| SL No. | Financial Year | Renovation and Modernization | |
|--------------|----------------|------------------------------|--|
| | | Claimed | TSERC approved scheme Amount Rs. in Crores |
| 1 | 2019-20 | 53.11 | 33.44 |
| 2 | 2020-21 | 56.00 | 75.67 |
| 3 | 2021-22 | 59.70 | 59.70 |
| 4 | 2022-23 | 63.29 | 63.29 |
| 5 | 2023-24 | 67.90 | 67.90 |
| TOTAL | | 300.00 | 300.00 |

- ii) Due to implementation of RMI Scheme, outages of substation equipment have been reduced, improving reliability and stability of Transmission System and able to implement the Government of Telangana prestigious flagship programme “24 Hrs Agriculture Supply” to farming sector.
- iii) Following activities under progress under RMI 2021-22 Scheme which have served for more than 25 years in all the OMC Circles.
 - Replacement of old & obsolete substation equipment viz Electrical and Telecom
 - Shifting of 33KV Equipment and 33KV Feeders from underneath of the Bus
 - Earthing Improvement and renovation works in the EHT Substations
 - Metal Spreading works and water supply arrangements to earth pits in the EHT Substations.
 - Strengthening of Transmission lines, replacement of conductor works.

(IV) Lift Irrigation Schemes taken up by TSTRANSCO under Deposit Contribution works (FY2021-22):

TSTRANSCO has taken up construction of Transmission lines and Substations at 132kV, 220kV and 400kV level for extension of power supply to Pumping stations under various Lift Irrigation schemes which are funded by I&CAD Department, Govt. of Telangana.

The Transmission system established under extension of power supply to LI Schemes is included in the Transmission system of TSTRANSCO.

(a) Works Commissioned in FY 2021-2022

The addition of Transmission network in respect of LI Schemes for FY 2021-22 is as detailed below:

| Sl. No | Name of the project | 400kV | | | 220kV | | | 132kV | | |
|--------------|--|----------|------------|-------------|----------|------------|---------------|----------|------------|-------------|
| | | SS (Nos) | Bays (Nos) | Lines (CKM) | SS (Nos) | Bays (Nos) | Lines (CKM) | SS (Nos) | Bays (Nos) | Lines (CKM) |
| 1 | Kaleswaram Lift Irrigation Project | 0 | 2 | 0 | 2 | 14 | 73.397 | 0 | 0 | 0 |
| 2 | Thotapally Reservoir to Gourevelly Reservoir LIS | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 |
| 3 | Phase-III works of Godavari Lift Irrigation Scheme | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0.16 |
| Total | | 0 | 2 | 0 | 2 | 14 | 73.397 | 2 | 13 | 0.16 |

Details of commissioned Connected Transmission Lines :

| Sl. No | Name of the LIS | Name of the Line | Length (CKM) | Date of Commissioning |
|--------|--|--|--------------|-----------------------|
| 1 | Kaleshwaram Lift Irrigation Project | 220 kV DC Line from 400/220 kV Ditchpally SS to proposed 220/11 kV Sarangapur SS | 32.94 | 22.12.2021 |
| 2 | Kaleshwaram Lift Irrigation Project | 220 kV Single Circuit Line from 400/220 kV Ditchpally SS to proposed 220/11 kV Mentajpally SS | 7.517 | 30.03.2022 |
| 3 | Phase-III works of Godavari Lift Irrigation Scheme | 132KV Single Circuit Line LILO to proposed 132/33-11 KV RS Ghanpur (Rajavaram) tapping from existing 132KV Dharmasagar - Raghunathpally Line | 0.08 | 30.03.2022 |

List of Substations completed during FY 2021-2022:

| Sl. No | Name of the LIS | Sub-station | Date of Commissioning |
|--------|--|---|-----------------------|
| 1 | Kaleshwaram Lift Irrigation Project | 220/11 kV Sarangapur SS in Nizamabad District | 22.12.2021 |
| 2 | Kaleshwaram Lift Irrigation Project | 220/11 kV Mentrajpally SS in Nizamabad District | 31.03.2022 |
| 3 | Thotapally Reservoir to Gourevelly Reservoir LIS | 132/11 kV Regonda SS in Siddipet District | 28.03.2022 |
| 4 | Phase-III works of Godavari Lift Irrigation Scheme | 132/33-11 kV RS Ghanpur SS in Janagoan District | 30.03.2022 |

List of Bays completed during FY 2021-2022:

| Sl. No. | Name of the work | No. of Bays | | | Remarks |
|---------|--|-------------|-------|-------|-------------|
| | | 400kV | 220kV | 132kV | |
| 1 | Kaleshwaram Lift Irrigation Project | | | | |
| | 400/11kV Tippapur SS | 1 | 0 | 0 | Reactor Bay |
| | 400/220/11 SS at Sundilla | 1 | 0 | 0 | Reactor Bay |
| | 220/11 SS at Sarangapur | 0 | 10 | 0 | |
| | 220/11 SS at Mentrajpally | 0 | 4 | 0 | |
| 2 | Thotapally Reservoir to Gourevelly Reservoir LIS | | | | |
| | 132/11 KV Regonda SS | 0 | 0 | 8 | |
| 3 | Phase-III works of Godavari Lift Irrigation Scheme | | | | |
| | 132/11kv R.S.Ghanpur SS | 0 | 0 | 5 | |
| | Total | 2 | 14 | 13 | |

(b) Details of Ongoing works during FY 2021-22

The ongoing Transmission Lines and Substations in respect of LI Schemes for FY 2021-22 is as detailed below:

| Sl. No. | Description | Status |
|--|---|---|
| Kaleshwaram Lift Irrigation Schemes | | |
| 1. | 220/11 kV Manichippa SS & connected 220 kV DC line from Dichpally to Manichippa (48 CKM) | Substation: Works are under progress. Line: Tower Foundation: 89/89 Completed Tower Erection: 89/89 Completed Stringing: 24.176/24.176 Completed |
| 2. | 220/11 kV Yacharam Thanda SS & connected 220 kV DC line from Dichpally to Yacharam Thanda (53.7 CKM) | Substation: Works are under progress. Line: Tower Foundation: 85/97 Completed Tower Erection: 83/97 Completed Stringing: 8.078/26.902 Completed |
| 3. | 220/11 kV New Manchippa SS & connected 33 kV DC Line (4 kM) from 220/33 kV Manchippa SS to 33/11 kV Ghadkol (New Manchippa) Substation (8 CKM) | Substation: Works are under progress. Line: Tower Foundation: 0/100 Completed Tower Erection: 0/100 Completed Stringing: 0/4 Completed |
| JCR GLIS Phase-III at Devannapet | | |
| 1. | 220/11kV Devannapeta SS & connected 220kV DC line from 400/220kV Jangaon SS (110 CKM) | Substation: Works are under progress. Line: Tower Foundation: 195/198 Completed Tower Erection: 181/198 Completed Stringing: 32.309/54.314 Completed |
| Kaleshwaram Lift Irrigation Scheme-Additional TMC Works | | |
| 1. | 400/220 KV Annaram Substation & connected 400 KV QMDC line (approx. 22.5 KM) from STPP(Jaipur) to proposed 400 KV SS at Annaram pump house in Peddapally District (45 CKM) | Substation: Works are under progress. Line: Tower Foundation: 43/63 Completed Tower Erection: 0/63 Completed Stringing: 0/20.172 Completed |
| 2. | TMDC Line from 400/220 KV Annaram SS to 220/11 KV SS at Medigadda - 48 KM and 2 Nos Bay extensions at existing 220/11 KV Medigadda LI SS. (96 CKM) | Substation: Works are under progress. Line: Tower Foundation: 85/155 Completed Tower Erection: 51/155 Completed Stringing: 0/40.494 Completed |
| 3. | 400 KV Switching Station at Kachapur & connected (i) LILO of 400kV QMDC Line from STPP Jaipur- 400/220/11kV Ramadugu SS of line length 2 X 3.5 KM (7 CKM) | Substation: Works are under progress. Line: Tower Foundation: 18/30 Completed Tower Erection: 0/30 Completed Stringing: 0/9.570 Completed |
| | (ii) 400kV QMDC Line from 400kV Kachapur Switching station to 400/220/132kV Gajwel SS of line length 9 KM (18 CKM) | Substation: Works are under progress. Line: Tower Foundation: 14/23 Completed Tower Erection: 0/23 Completed Stringing: 0/7.228 Completed |

| Sl. No. | Description | Status |
|---------|---|--|
| 3 | (iii) LILO of 400kV QMDC Line from Telangana STPP NTPC (2x800MW)- 400/220/32kV Narsapur SS of line length 2 X 2.5 KM (5 CKM) | Substation: Works are under progress. Line: Tower Foundation: 7/13 Completed Tower Erection: 0/13 Completed Stringing: 0/3.908 Completed |
| 4. | 400/11KV Namapur (Pegadapally) Substation & connected (i)400 KV TMDC line from Namapur Substation Switchyard to Transformer Deck of Pump House of length 2 Km (4 CKM) | Substation: Works are under progress. Line: Tower Foundation: 0/6 Completed Tower Erection: 0/6 Completed Stringing: 0/2.13 Completed |
| | (ii) 400kV QMDC Line from 400kV Kachapur Switching station to 400/11kV Namapur (Pegadapally) SS of Line length 19.3 Km. (38.6 CKM) | Substation: Works are under progress. Line: Tower Foundation: 17/47 Completed Tower Erection: 0/47 Completed Stringing: 0/15 Completed |
| | (iii)400kV QMDC Line from 400kV Velgatoor Switchyard to 400/11kV Namapur (Pegadapally) SS of line length 22.5 Km (45 CKM) | Substation: Works are under progress. Line: Tower Foundation: 34/68 Completed Tower Erection: 0/66 Completed Stringing: 0/21.3 Completed |
| 5. | 400/11KV Velgatoor Substation & connected 400kV QMDC Line from 400kV Kachapur Switching station to 400/11kV Velgatoor SS of Line length 26 Km. (52 CKM) | Substation: Works are under progress. Line: Tower Foundation: 41/76 Completed Tower Erection: 22/76 Completed Stringing: 0/0 Completed |
| 6. | 400/11kV Veljipur Sub-Station & connected 400KV QMDC Line from existing 400/11KV Tippapur SS to proposed 400/11KV SS Veljipur of line length of 5.5 Kms (11 CKM) | Substation: Works are under progress. Line: Tower Foundation: 13/18 Completed Tower Erection: 0/18 Completed Stringing: 0/5.1 Completed |
| 7. | 400/11KV Yellaipally Substation & connected 400 KV QMDC Line from Existing 400/13.8/11 KV Chandlapur SS to proposed Yellaipally 400/11 KV Substation -13.0 Km. (26 CKM) | Substation: Works are under progress. Line: Tower Foundation: 25/30 Completed Tower Erection: 12/30 Completed Stringing: 0/9.548 Completed |
| 8. | 400 kV QMDC line from existing 765/400 kV Nizamabad SS (PGCIL) to existing 400/13.8/11 kV Chandulapur SS (Approx. length 103 km) on turnkey basis. (206 CKM) | Substation: Works are under progress. Line: Tower Foundation: 187/278 Completed Tower Erection: 0/278 Completed Stringing: 0/93.998 Completed |
| 9. | New Tukkapur 400/11KV SS | Substation: Works are under progress. |

PALAMURU LIFT IRRIGATION SCHEME

i) Erection of 400/11kV Narlapur LI Sub-Station (incl. 1No.125MVAR Bus Reactor):

Construction of Control room building, Store cum office building and DG & FF building, Reactor foundation are under progress. Tower foundations:9/52 completed and Equipment foundations are under progress.

ii) Erection of 400/11kV Vатtem LI Sub-Station (incl.1No.125MVAR Bus Reactor):

Levelling of site by Irrigation & CAD (Govt.of Telangana) is under progress, Erection works for Control room building, DG & FF building, Store cum office building and cable trench are under progress, Tower foundations: 46/48 completed, Tower Erection: 46/48 completed, Beams: 30/33 completed, Equipment foundation: 615/711 completed, Equipment structure erection: 580/711 completed, Equipment erection: 550/711 completed LM foundations: 11/13 completed, LM Tower erection: 11/13 completed, Reactor Foundation: 1/1 completed.

iii) Erection of 400/11kV Yedula LI Sub-Station (incl.1No.125MVAR Bus Reactor):

Levelling of site by Irrigation & CAD (Govt.of Telangana) is under progress, Erection work for Control room building, DG & FF building and Store cum office building are under progress, Tower foundations: 60/68 completed, Tower erection: 60/68 completed LM foundations: 6/18 completed, Equipment foundation: 822/1185 completed, Equipment str. erection:330/1185 completed, Reactor Foundation: 1/1 completed.

iv) 2Nos.400kV QMDC Bays at 400/220kV Veltoor Sub-Station:

Site handed over to the contractor and levelling works completed. Cable trench 580/580 RM completed, Tower foundations: 10/10 completed, Tower Erection: 10/10 completed, Equipment foundations: 156/156 completed, Equipment structure erection: 156/156 completed, Equipment erection: 140/156 completed, LM tower foundations:2/2Nos completed, LM tower erection:2/2Nos. completed, Bay kiosk: 2/2 Nos. completed, Bus extension stringing: 2/2 completed.

v) 2Nos.400kV QMDC Bays at 400/220kV Dindi Sub-Station:

Site handed over to the contractor. Equipment foundations: 112/114 completed, Equipment structure erection:60/114 completed, Equipment erection:60/114 completed, Cable trench: 240/240 completed, Bay kiosk: 1/1 completed.

vi) 400kV QMDC Line from proposed 400/11kV Yedula LISS to proposed 400/11kV Narlapur LISS (30.204km).

Check survey:27.334/27.334 completed, Foundation: 91/93Nos. completed. Tower erection: 89/93 Nos. completed, Stringing:3.742/27.334 completed.

vii) 400kV QMDC Line from 400/220kV Dindi SS to proposed 400/11kV Yedula LISS.

Check survey: 55.320/55.320km, Foundation:167/167 completed, Tower Erection: 167/167 completed, Stringing: 55.230/55.320km completed. `

viii) **400kV QMDC Line from 400/11kV Yedula LI SS to 400/11kV Vатtem LI SS,**

Check survey:30.37/30.37 completed, Foundation:90/90 completed, Tower Erection:90/90 completed. Stringing: 30.183/30.37 km completed.

ix) **400kV QMDC Line from 400/220kV Veltoor SS to 400/11kV Yedula LI SS.**

Check survey:46.801/46.801 completed, Foundations:139/139 completed. Tower Erection: 139/139Nos. completed, Stringing:43.730/46.801 completed.

x) **400/11kV Uddandapur LI Sub-Station.**

Land levelling has commenced. Works will be commenced as soon as site is handed over to TSTRANSCO by I & CAD.

xi) **2Nos. 400kV QMDC Bays at 400/11kV Vатtem LISS:**

Works commenced

xii) **400kV QMDC Line from 400/220kV Maheswaram SS to proposed 400/11kV Uddandapur LISS (65km).**

Check survey (KM) : 54.084/60.259 completed, Foundations (Nos.):90/179 completed, Tower Erection (Nos.):35/179 completed.

xiii) **400kV QMDC Line from 400/11kV Vатtem LI SS to proposed 400/11kV Uddandapur LI SS(34.129 kMs).**

Check survey (KM):29.267/34.245 completed, Foundations (Nos.):72/103 completed, Tower Erection (Nos.):24/103 completed.

ANNEXURE – III

PERFORMANCE MEASURES

I) NUMBER AND DURATION OF SUPPLY INTERRUPTIONS**1. Requirement in the Guidelines:**

Number and duration of supply interruptions on transmission networks, separately for 400kV, 220kV & 132kV. Details of steps proposed to improve performance and monitoring. (Guidelines – 11a)

2. TSTransco's Response:**Interruptions on EHT lines during 2021-22****a. Number and Duration of System Interruptions (FY2021-22)**

Most of the feeders have alternative supply. Hence, whenever there is any interruption to one feeder, then supply is provided from the alternate source and interrupted feeder is restored immediately by taking necessary steps. All transmission line breakdowns are logged and recorded. The data sheets maintain information such as circuit name and number, date and time of occurrence, date and time of restoration, any remedial measures taken for alternate supply and a brief description of the cause. As the data is voluminous, and manually entered, all the log sheets have not been included in this filing. However, any data requested to prepare the booklet can be made available as and when requested. Considering the vast extent of the transmission system and the number of transmission circuits, the average availability factor of EHT lines of TSTransco for the year 2021-2022 works out at 99.98%. The details of the line availability for the years 2021 -22 are shown in the tables below.

Interruptions on EHT lines during 2021-22

| Year | EHT line voltage | No. of interruptions | Total time of interruptions (Hrs) | Avg. Duration Per Interruption (Hrs) |
|---------|------------------|----------------------|-----------------------------------|--------------------------------------|
| 2021-22 | 400kV | 15 | 205.6667 | Beyond 2 Hrs.(13.71) |
| | 220kV | 116 | 1607.5167 | Beyond 2 Hrs.(13.85) |
| | 132kV | 148 | 1751.9333 | Beyond 2 Hrs.(11.83) |

b. Voltage-wise Availability of Transmission System for FY2021-22:

As per the guidelines given by the Central Electricity Authority, all 220kV and 400kV including 132kV EHV AC Transmission systems are considered for

determining the Transmission system availability and the same has been calculated as per guidelines of Central Electricity Regulatory Commission.

As per the calculations, the Transmission system availability of TSTRANSCO system during the period 2021-22 i.e. from April 2021 to March 2022 of Telangana State works out to be **99.98%**.

Availability of Transmission system during 2021- 22

| Financial year | Transmission System availability in percentage |
|-----------------------|---|
| 2021-22 | 99.98% |

c. Plans to improve performance monitoring

It is to be planned to incorporate the Formula for calculation of availability factor in SAP duly integrating in the system to enable the data to be updated regularly in the real time system as the approval accorded towards rate contract for supply of transducers for data transfer.

II) Major Grid Disturbance(s)/Incident(s) occurred during the year 2021-22

a) 220kV Busbar Protection Operation at 400/220kV Veltoor SS at 13:37Hrs on 16-04-2021:

- i. On 16-04-2021, Line Clearance was taken on 220kV Veltoor-Wanaparthi feeder at 11:36Hrs for Hot line maintenance work at Wanaparthi end and after completion of work, the 220kV Wanaparthi feeder-2 which is connected to Bus-1 was charged from 400/220kV Veltoor substation at 13:37 Hrs.
- ii. Immediately, 220kV busbar protection (Zone-1) was operated and tripped all the feeder and bus coupler circuit breakers connected to both Bus-1 and Bus-2 as the R-Phase earth switch of line isolator remained in closed position.
- iii. Since, the line isolator (with earth switch in closed) is located between the feeder circuit breaker and current transformer (CT) inside the Bus-1 zone as per Double bus & Transfer bus configuration, the feeder circuit breakers connected to Bus-1 and Bus Coupler CB were supposed to be tripped. However, all the CBs connected to both Bus-1 and Bus-2 were tripped.

- iv. On 19-04-2021, while investigating the possible reasons for above tripping, it is observed that the busbar relay is getting closed status for both 89A and 89B isolators on 220kV Renew Akshya solar feeder-1 even though 89B isolator (connected to Bus-2) is in open condition, due to defective control cable laid for the above status.
- v. As per the relay configuration, the two buses are treated as single bus if the busbar relay is getting closed status for both 89A and 89B isolators.
- vi. Thus, the fault inside the Bus-1 zone has caused tripping of all the circuit breakers connected to both Bus-1 and Bus-2.

Performance Measures:

- i. The defective cable was isolated and temporary wiring was made at the relay for permanent open status for 89B isolator irrespective of isolator position.
- ii. The defective cable was replaced with healthy cable.
- iii. The Shift Engineers were strictly instructed to ensure personally the open position of earth switch before charging the feeders to avert such unwarranted trippings in future.

b) Complete outage of 400kV Sundilla SS on 15-05-2021 at 15:46 hrs:

- i. On 15-05-2021 at 15:46Hrs there was B-Phase to Ground fault on 400kV Sundilla-Singareni-1 feeder for which A/R operated and tripped again due to persistent fault.
- ii. Later Over Voltage was developed on 400kV Sundilla-Nirmal-1 feeder at Sundilla SS and tripped.
- iii. Due to above trippings 400kV Sundilla Substation was Dead.
- iv. During the above Over Voltage tripping, ICT-3 tripped on UFR Stage-I i.e., 49.4Hz as observed from the DRs

Performance Measures:

- i. Instructed MRT wing to disable the tripping of UFR Stage-1 setting on ICT-3.
- ii. All the operations were on account of Over Voltage protection operations as per the Voltage gradings adopted and are in order.

c) Complete outage of 400kV Sundilla SS on 15-05-2021 at 18:44 hrs:

- i. After the above tripping incident on 15-05-2021 at 15:46Hrs at Sundilla SS, Charged the 400kV Sundilla-Nirmal-1 feeder at 18:31Hrs.
- ii. Later charged the 400kV Sundilla-Singareni-2 feeder.
- iii. After the above charging, Over Voltage was sensed on 400kV Nirmal-1 & Singareni-2 feeders and tripped at 400kV Sundilla SS and Direct Trip was sent to other ends.
- iv. Due to above trippings there was again complete outage of Sundilla SS.

Performance Measures:

All the operations were on account of Over Voltage protection operations as per the Voltage gradings adopted and are in order.

d) Complete Outage of 400/220kV Mamidipally SS on 24-06-21 at 19:25 hrs

- i. On 24-06-2021 at 19:25Hrs on 315MVA ICT-I at 400/220kV Mamidipally SS, it is observed that B-Phase differential protection operated.
- ii. Observed Fire on ICT-1. Due to this as a safety measure all the remaining ICTs, 400kV & 220kV feeders were hand tripped with the permission from SLDC.
- iii. As the Emulsifier system is not in Auto mode due to problem with the Deluge valve and water leakages, the inlet valve is kept in closed condition. Fire engines were used to extinguish the fire on the ICT-1. However, subsequently hydrant system near the ICT-1 was made operational by opening the inlet valve.
- iv. From the DR's, fault was cleared instantaneously. Also differential High set protection has operated. From the Event Logger (EL) of HV Over Current & Earth fault relay, it is also observed that Over Current High set protection has operated.
- v. From the physical field conditions, it is suspected that the long jumper connected between HV side LA & HV Bushings might have caused tension/pull on the HV B-Phase bushing termination causing sparks at the bushing tip leading to damage of the bushing and fire on the transformer. Then the fire slowly propagated towards turret of ICT-I. Later this damaged HV B-phase bushing might have caused pulling effect of the HV B-Phase LA which in turn led to breakage of bottom stack of B-Phase LA.

Performance Measures:

- i. Emulsifier system will be taken into service immediately by rectifying the issues with the Deluge Valve and will be kept in Auto Mode.
- ii. Erection of High Bus Post Insulator (HBPIs) supports may be examined between the ICT and LAs to anchor the jumper load so as to avoid the tension/pull on the Bushing termination due to LA blasting or mechanical failure.

e) Complete outage of 220kV/33kV Nagaram SS on 28-06-2021 at 12:57hrs

- i. On the day of the incident i.e., 28-06-2021, after completion of LC works on 220kV Nagaram-Pulakurthy-2 feeder, charged the feeder from Pulakurthy SS at 12:57hrs. After charging the above feeder, the Y-Phase line CT of the feeder blasted at 220kV Nagaram SS.
- ii. Due to above blasting, the feeder tripped immediately at Pulakurthy SS with Zone-1 indications. After tripping of the feeder i.e., after a lapse 1.5sec, there was again heavy flash over of the Y-Phase line CT due to fire and fallen towards to B-Phase CT. Due to heavy fire of the CT, there was Y-phase to B-phase fault on the 220kV Bus due to which 220kV Bus Bar Zone-2 protection has operated at Nagaram SS as the Bus isolator of 220kV Nagaram – Pulakurthy feeder-2 was connected to Bus-2.
- iii. After Zone-2 operation, Bus Bar Zone-1 has operated with similar phase to phase fault after a gap of 0.5sec thereby the total 220kV Bus was dead.
- iv. As the 220kV Pulakurthy, Salivagu, Bheemghanapur and Gangaram Substations are radially fed from 220kV Nagaram SS there was Incoming Supply Failure(ISF) to the above Substations.

Performance Measures:

As a remedial measure all the testings related to Bus Bar were done and found to be normal.

f) Complete Outage of 220kV Chalakurthy SWS, 220/132kV KM Pally SS, 220kV/11kV Puttamgandi LIS, 220kV/11kV Puliyatanda LIS of TSTRANSCO on 06-10-2021 at 14:33hrs

- i. After the grid disturbance occurred at 14:06 Hrs on 06-10-2021 at 220kV Nagarjunasagar HES, 220kV Chalakurthy SWS is fed radially from 220kV Tallapally SS.

- ii. At 14:10 Hrs, 220kV Chalakurthy-Miryalaguda feeder (which is in idle) was closed at 220kV Miryalaguda SS as per the SLDC instructions.
- iii. The DEE/Shift/Tallapally(APTRANSCO) has informed the Shift in charge at 220kV Chalakurthy SS over phone that load on the 220kV Chalakurthy-Tallapally feeder was increasing and observed heavy sparks and flames on Y-Phase line isolator towards CT at Tallapally end.
- iv. Further instructed the shift in charge at 220kV Chalakurthy SS to hand trip the feeders to reduce loading on 220kV Chalakurthy-Tallapally feeder.
- v. Shift in charge at 220kV Chalakurthy SS Hand tripped the following feeders without informing to the SLDC on emergency
 - a).220kV Miryalaguda feeder at 14:28Hrs.
 - b).220kV KMPally-1 feeder at 14:31Hrs.
- vi. At 14:33hrs 220kV Chalakurthy-Tallapally feeder was hand tripped at Tallapally SS (APTRANSCO) on emergency without informing the TSSLDC.
- vii. Due to the above operations, the 220kV Chalakurthy SS became dead causing load interruption of about 150MW.

Performance Measures:

Instructed all substation operators to carryout the operations with prior permission of SLDC unless otherwise extreme emergency conditions araised.

III) PERIODS WHEN VOLTAGE AND FREQUENCY WAS BEYOND PRESCRIBED LIMITS

1. Requirement in the Guidelines

Periods when voltage and/or frequency was beyond the prescribed limits on Transmission (400 kV, 220 kV, 132 kV) networks. Details of steps proposed to improve performance and monitoring. (Guidelines – 11b).

2. TSTransco's Response:

PERIODS WHEN FREQUENCY WAS BEYOND PRESCRIBED LIMITS

The details of frequency in Average, Maximum, Minimum and % time experienced during FY-2021-22 is shown below.

| Month | Average | Maximum | | Minimum | |
|--------|---------|---------|-------------|---------|--------------------------|
| | HZ | HZ | Date | HZ | Date |
| Apr-21 | 50.00 | 50.29 | 4th | 49.69 | 11th |
| May-21 | 50.00 | 50.28 | 1st | 49.63 | 28th |
| Jun-21 | 50.00 | 50.27 | 4th | 49.64 | 24th |
| Jul-21 | 50.01 | 50.26 | 20th | 49.51 | 6th |
| Aug-21 | 50.00 | 50.22 | 1st | 49.53 | 26th |
| Sep-21 | 50.01 | 50.23 | 10th & 25th | 49.50 | 24th |
| Oct-21 | 49.99 | 50.29 | 26th | 49.50 | 7th |
| Nov-21 | 50.00 | 50.27 | 28th | 49.63 | 17th |
| Dec-21 | 50.00 | 50.34 | 20th | 49.62 | 31st |
| Jan-22 | 50.00 | 50.28 | 16th | 49.65 | 15th |
| Feb-22 | 50.00 | 50.26 | 6th | 49.64 | 11th |
| Mar-22 | 49.98 | 50.31 | 3rd | 49.54 | 22nd |
| Year | 50.00 | 50.34 | 20.12.2021 | 49.50 | 24th Sep'21 & 7th Oct'21 |

| Month | <49.90 Hz | IEGC BAND (49.90-50.05 Hz) | >50.05 Hz |
|----------------|-------------|-------------------------------|--------------|
| Apr-21 | 7.97 | 75.08 | 16.96 |
| May-21 | 6.64 | 74.5 | 18.86 |
| Jun-21 | 6.11 | 74.52 | 19.38 |
| Jul-21 | 5.35 | 75.06 | 19.58 |
| Aug-21 | 7.69 | 77.43 | 14.89 |
| Sep-21 | 4.18 | 77.03 | 18.79 |
| Oct-21 | 11.1 | 74.38 | 14.51 |
| Nov-21 | 7.99 | 74.1 | 17.88 |
| Dec-21 | 6.91 | 73.14 | 19.94 |
| Jan-22 | 5.84 | 75.66 | 18.51 |
| Feb-22 | 5.81 | 77.24 | 16.95 |
| Mar-22 | 14.5 | 73.42 | 12.09 |
| Average | 7.51 | 75.13 | 17.36 |

IV) VOLTAGES OF TS SYSTEM FOR 2021-22

SCADA data of various stations on 29.03.2022 with the time specified.

| 400kV Level | | | | | | |
|-------------|-----------------------|--------|--------|--------|-------|--------|
| S.No. | SUB STATION/ LIS NAME | 00:00 | 08:00 | 19:00 | Max | Min |
| 1 | BHUPALAPALLY(KTPP) | 414 | 404 | 416 | 419 | 401 |
| 2 | BTPS | 411.51 | 405.67 | 410.57 | 414.1 | 400.94 |
| 3 | KTPS-VI | 417.18 | 409.89 | 419.13 | 423.1 | 405.67 |
| 4 | KTPS-VII | 416.49 | 408.14 | 408.09 | 416.4 | 404.55 |
| 5 | SINGARENI | 418.67 | 417.15 | 422.29 | 426.4 | 414.18 |
| 220kV Level | | | | | | |
| S.No. | STATION NAME | 00:00 | 08:00 | 19:00 | Max | Min |
| 1 | KTPS-V | 231.61 | 225.18 | 233.17 | 235.5 | 223.08 |
| 2 | LOWER JURALA | 221.87 | 210.29 | 229.04 | 232.6 | 207.01 |
| 3 | U.JURALA | 222.62 | 210.82 | 230.05 | 233.5 | 207.39 |
| 4 | N'SAGAR MAIN | 228.86 | 221.21 | 235.58 | 237.6 | 214.07 |
| 132kV Level | | | | | | |
| S.No. | STATION NAME | 00:00 | 08:00 | 19:00 | Max | Min |
| 1 | N'SAGAR | 136.31 | 131.8 | 140.67 | 141.8 | 127.52 |
| 2 | RTS-B | 143.2 | 142.1 | 142.9 | 144.5 | 138.7 |

| SI.NO | 400kV SUB-STATION/LIS NAME | 00:00 | 08:00 | 19:00 | Max | Min |
|--------------|---------------------------------------|--------------|--------------|--------------|------------|------------|
| 1 | CHANDULAPUR | 416.13 | 406.62 | 422.6 | 426.6 | 402.7 |
| 2 | DICHPALLY | 419.72 | 406.26 | 422.58 | 429.07 | 401.72 |
| 3 | DINDI | 419.78 | 403.88 | 422.18 | 427.03 | 400.79 |
| 4 | GAJWEL | 417.01 | 407.64 | 422.81 | 427.61 | 402.71 |
| 5 | JANGAON | 420.69 | 408.39 | 423.67 | 428.72 | 405.73 |
| 6 | JULURUPADU | 420.19 | 409.02 | 422.57 | 425 | 406.65 |
| 7 | KETHIREDDY PALLI | 420.45 | 408.05 | 426.88 | 433.27 | 402.56 |
| 8 | MAHABOBNAGAR | 420.39 | 409.14 | 424.39 | 433.55 | 401.91 |
| 9 | MAHESWARAM | 416.94 | 405.12 | 420.03 | 426.15 | 400.05 |
| 10 | MAMIDIPALLY | 412 | 403 | 420 | 422 | 400 |
| 11 | MEDARAM | 418.38 | 409.38 | 423.27 | 427.86 | 404.83 |
| 12 | NARSAPUR | 418.08 | 405.33 | 424.38 | 428.49 | 403.21 |
| 13 | NIRMAL | 419.73 | 407.43 | 425.23 | 429.98 | 403.5 |
| 14 | RAMADUGU | 418.36 | 409.36 | 423.48 | 427.98 | 404.76 |
| 15 | SHANKARPALLY | 417.12 | 404.5 | 422.49 | 428.38 | 400.73 |
| 16 | SUNDILA | 416.63 | 412.61 | 420.18 | 424.23 | 409.09 |
| 17 | SURYAPET | 419.62 | 409.79 | 423.84 | 428.67 | 407.32 |
| 18 | TIPPAPUR | 417.75 | 407.81 | 423.85 | 427.03 | 403.38 |

| S.NO | 220kV SUB-STATION/ LIS NAME | 00:00 | 08:00 | 19:00 | Max | Min |
|------|--------------------------------|--------|--------|--------|--------|--------|
| 1 | BONGULUR | 228.92 | 220.88 | 230.85 | 234.16 | 218.62 |
| 2 | BHEEMGAL | 219 | 211 | 232 | 232 | 210 |
| 3 | BHONGIR | 226.28 | 218.89 | 231.08 | 234.87 | 216.07 |
| 4 | CHALAKURTHY SWS | 234 | 225 | 242 | 242 | 222 |
| 5 | CHANDRAYANAGUTTA | 229 | 220.4 | 231.2 | 233.9 | 217.7 |
| 6 | DINDI | 227 | 218 | 234 | 236 | 216 |
| 7 | FABCITY | 227 | 221 | 231 | 232 | 217 |
| 8 | GACHIBOWLI | 229 | 220 | 228 | 235 | 220 |
| 9 | HAYATHNAGAR | 230.1 | 223.17 | 231.68 | 235.63 | 220.35 |
| 10 | IMLIBUN | 228.12 | 220.53 | 229.41 | 233.29 | 218.27 |
| 11 | JAGITYAL | 231.12 | 218.87 | 234.98 | 237.88 | 218.55 |
| 12 | KALWAKURTHY | 223.47 | 212.02 | 229.22 | 232.49 | 210.19 |
| 13 | KONDAMALLEPALLY | 223.69 | 216.19 | 229.1 | 231.41 | 210.72 |
| 14 | KAMAREDDY | 219.88 | 211.48 | 207.08 | 219.88 | 207.08 |
| 15 | KONDAPAKA | 223.98 | 215.43 | 230.92 | 234.15 | 214.33 |
| 16 | MAHABUBNAGAR | 223.06 | 211.78 | 230.47 | 234.02 | 208.56 |
| 17 | MEDCHAL | 223.06 | 215.33 | 225.32 | 228.86 | 212.1 |
| 18 | MEDARAM | 231.38 | 217.05 | 233.82 | 237.69 | 216.21 |
| 19 | MAMIDIPALLY | 226.6 | 219.19 | 228.22 | 231.76 | 217.26 |
| 20 | MOULALI | 229.33 | 222.92 | 231.26 | 234.9 | 218.89 |
| 21 | MURMUR | 232.05 | 220.83 | 234.68 | 237.72 | 220.48 |
| 22 | NARKETPALLY | 217.69 | 210.74 | 229.7 | 233.22 | 206.09 |
| 23 | NIRMAL | 230.8 | 219.05 | 235.2 | 238.01 | 218.28 |
| 24 | OSMANIA | 229.81 | 222.8 | 231.54 | 235.78 | 219.86 |
| 25 | PARGI | 226.47 | 215.97 | 232.56 | 235.5 | 212.56 |
| 26 | SIDDIPET | 224 | 202 | 224 | 227 | 202 |
| 27 | SINGOTAM | 223.64 | 212.75 | 231.38 | 234 | 210.13 |
| 28 | SHANKARPALLY | 228.2 | 219.23 | 232.29 | 235.57 | 218.05 |
| 29 | SHAPURNAGAR | 221.4 | 217.2 | 226.8 | 226.8 | 211.6 |
| 30 | SURYAPET | 224.91 | 216.92 | 231.43 | 234.03 | 216.91 |

ANNEXURE - IV

Scheme wise Details of CAPITALIZATION for F.Y:2021-22 (400kV Schemes)

| Sl. No. | Name of the project | Investment approval date | Start Date | | Completion Date (400kV works) | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network (only 400kV data) | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate (400kV works only) | Financial Completion Certificate (400kV works only) | Electrical Inspector Certificate |
|---------|--|--------------------------|------------|----------|-------------------------------|-----------|--|---|---|------------------|--------|-----------|------------------------|---|----------------|------------|--------------------------|--|--|--|---|----------------------------------|
| | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/CC | Date | Lines (CkM) | Capacity (MVA) | Bays (No.) | | | | | | |
| I | System Improvement Schemes | | | | | | | | | | | | | | | | | | | | | |
| 1 | Suryapet System Improvement Scheme (S-14-02) | 21.01.2015 (Revised) | Jul'2013 | Sep'2013 | Mar'2017 | Apr'2018 | 1738.03 | 650.019 | -0.2838 | 75% | 25% | 0% | 23.06.2021 | 0.00 | 0.00 | 0.00 | NA | Delay in land acquisition and ROW issues | Part | 2019000062 2019000039 2019000404 | 202000663 202000198 202001824 | Exempted |
| 2 | Reactor Scheme-II (S-14-01) | 06.08.2014 | Oct'2016 | Aug'2016 | Sep'2017 | Feb'2018 | 80.74 | 48.66 | -0.0043 | 0% | 10% | 90% | 18.11.2021 | 0.00 | 0.00 | 0.00 | NA | - | Part | 2019000059 2019000061 2019000230 | 202000106 202000491 202000657 | |
| 3 | 765kV Wardha-Hyderabad Link Transmission Scheme (S-15-13) | 19.12.2017 (revised) | Jan'2016 | Feb'2016 | Mar'2019 | Feb'2021 | 1178.97 | 927.17 | 10.245 | 75% | 25% | 0% | 30.07.2021 | 0.00 | 0.00 | 0.00 | NA | severe ROW in the vicinity of Hyderabad | Part | 2020000523 2020000520 2019000072 2019000037 2019000043 2019000038 2019000287 2019000288 | 202200161 202000668 202000157 202000666 202000125 202000124 202000349 202000332 | |
| 4 | Dindi System Improvement Scheme(P-15-01) | 02.01.2016 | Nov'2015 | Dec'2015 | Mar'2018 | Dec'2017 | 333.54 | 124.56 | 29.267 | 75% | 25% | 0% | 18.11.2021 | 0.00 | 0.00 | 0.00 | NA | - | Part | 2019000250 | 202001373 | |
| 5 | Rayadurg System Improvement Scheme(S-17-08) | 24.05.2018 | May'2018 | Sep'2018 | May'2020 | ongoing | 1786.40 | 14.35 | 1553.166 | 75% | 25% | 0% | 31.03.2022 | 128.38 | 1560.00 | 36.00 | NA | - | Part | 2022000141 2022000223 2022000224 2022000225 2022000151 2022000094 2020000013 2022000120 2022000104 2022000129 2022000181 | 202200170 202200172 202000511 202200158 202200159 202200160 202200162 202200163 202200165 202200167 202200168 | |
| 6 | Reactor Scheme-III (S-19-02) | 09.12.2019 | Jan'2020 | | Mar'2023 | ongoing | 249.79 | 0 | 8.605 | 0% | 10% | 90% | 13.01.2022 | 0.00 | 0.00 | 1.00 | NA | - | Part | 2022000268 | 202200169 | |
| II | Augmentation Schemes | | | | | | | | | | | | | | | | | | | | | |
| 1 | 400kv Augmentation Scheme (PTRs at Velloor & Dichpally & Gaiwel) (A-15-11& A-15-10) | 04.05.2017 (Revised) | Feb'2016 | Feb'2016 | Oct'2017 | May'2018 | 95.59 | 45.27 | 0.0001 | 75% | 25% | 0% | 17.12.2020 | 0.00 | 0.00 | 0.00 | NA | upgradation to SAS | Part | 2019000044 | 202000043 | Exempted |
| 2 | Augmentation Scheme-III (A-17-03) | 30.08.2017 | Sep'2017 | Feb'2018 | May'2018 | Nov'2018 | 74.44 | 29.93 | 0.038 | 75% | 25% | 0% | 12.07.2021 | 0.00 | 0.00 | 0.00 | NA | Due to site conditions | Part | 2019000057 | 202000474 | |
| 3 | Augmentation Scheme-II (A-11-01) | 24.09.2012 | Jan'2013 | Feb'2013 | Mar'2017 | Jan'2016 | 48.60 | | -0.167 | 75% | 25% | 0% | 16.05.2019 | 0.00 | 0.00 | 0.00 | NA | | Part | 2019000271 | 202000115 | |
| III | Power evacuation schemes | | | | | | | | | | | | | | | | | | | | | |
| 1 | Jaipur Power Transmission Scheme(P-10-01,S-10-24) | 21.01.2015 (Revised) | Mar'2013 | Mar'2013 | Mar'2018 | June'2018 | 842.39 | 147.46 | -0.003 | 75% | 25% | 0% | 18.11.2021 | 0.00 | 0.00 | 0.00 | NA | ROW issues | Part | 2019000289 | 202001123 | |

| Sl. No. | Name of the project | Investment approval date | Start Date | | Completion Date (400kV works) | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network (only 400kV data) | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate (400kV works only) | Financial Completion Certificate (400kV works only) | Exempted Electrical Inspector Certificate |
|---------|---|--------------------------|------------|-----------|-------------------------------|----------|--|---|---|------------------|-----|------|------------------------|---|---------|-------|--------------------------|--|--|--|---|--|
| 2 | Wind Power Transmission Scheme(P-12-04) | 28.10.2013 | Mar'2013 | Aug'2013 | Mar'2017 | Nov'2016 | 525.37 | 157.18 | -0.005 | 75% | 25% | 0% | 18.11.2021 | 0.00 | 0.00 | 0.00 | NA | - | - | 2019000261 | 202001128 | |
| 3 | Nirmal Power Transmission Scheme(P-12-02,S-12-30,S-12-31) | 19.07.2018 (revised) | Dec'2015 | Dec'2015 | Dec'2017 | Sep 2018 | 1072.44 | 597.065 | 151.337 | 75% | 25% | 0% | 13.07.2021 | 0.00 | 0.00 | 0.00 | NA | Due to pile foundation works & heavy hard rock at Sub-station site | Part | 2019000034 2019000283 | 202000085 202001901 | |
| 4 | Bhadradi Thermal Power Transmission Scheme(P-15-03,S-12-23,S-15-20,S-15-21,S-15-22,S-15-25) | 02.01.2016 | Nov'2015 | Dec'2015 | Dec'2017 | Feb 2019 | 1179.61 | 778.18 | 0.67 | 75% | 25% | 0% | 30.11.2021 | 0.00 | 0.00 | 0.00 | NA | ROW issues and Forest clearances | Part | 2019000128 2019000064 | 202000092 202000956 | |
| 5 | KTPS VII Stage Thermal Power Transmission Scheme (P-15-04,S-16-05,S-15-24) | Dec'2017 (Revised) | Nov'2015 | Dec'2015 | Nov'2019 | Nov 2019 | 1306.92 | 1006.48 | 1.6 | 75% | 25% | 0% | 22.11.2021 | 0.00 | 0.00 | 0.00 | NA | - | Part | 2019000139 2020000011 2020000403 | 202000522 202000523 202000323 | |
| 6 | Telangana STPP-I Power Evacuation Scheme(P-16-01) | 23.08.2017 | Apr'2017 | Oct'2017 | Apr'2020 | Aug'2021 | 1151.60 | 114.87 | 337.37 | 75% | 25% | 0% | 31.03.2022 | 457.98 | 0.00 | 0.00 | NA | Delayed due to RoW | Part | 2020000005 2020000559 2022000131 | 202000364 202200157 202001297 | |
| IV | DC Works | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 Nos bay extensions at 400kV Dichpally SS(D-15-09) | - | - | Feb'2016 | - | Feb'2017 | - | 16.58 | -0.017 | 0% | 0% | 100% | 31.03.2022 | 0.00 | 0.00 | 0.00 | NA | - | - | 2019000009 | 202000254 | |
| 2 | Feeder and Metering Bays at STPP,Jaipur(D-17-02) | - | - | June'2017 | - | Mar'2019 | - | 23.83 | 0 | 0% | 0% | 100% | 22.05.2019 | 0.00 | 0.00 | 0.00 | NA | - | - | 2019000341 | 202001024 | |
| 3 | Diversion of Gajwel-Shankerpally TMDC Line (D-18-02) | - | - | Aug'2018 | - | Oct'2018 | - | 4.877 | 0.189 | 0% | 0% | 100% | 18.11.2021 | 0.00 | 0.00 | 0.00 | NA | - | - | 2019000207 | 202000120 | |
| 4 | Diversion of 400kV Juturupadu-KTPS & KTPS-PGCIL Line) (D-20-03) | - | - | Aug'2020 | - | Aug'2021 | - | 0 | 21.88 | 0% | 0% | 100% | 31.03.2022 | 0.00 | 0.00 | 0.00 | NA | - | - | 2022000288 2022000291 | 202200154 202200155 | |
| TOTAL | | | | | | | 11664.43 | 4686.48 | 2113.89 | | | | | 586.36 | 1560.00 | 37.00 | | | | | | |

Scheme wise detail of CAPITALIZATION for FY 2021-22 : 220kV & 132kV Schemes

| (Figures in Rs Crore) | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---------------|--|--------------------------|------------|------------|-----------------|-------------------------------|--|---|---|------------------|--------|------------|------------------------|----------------------------------|----------------|------------|---------------------------------------|--------------------------|--|--|---------------------------------------|----------------------------------|
| Sl. No. | Scheme ID-SAP | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CkM) | Capacity (MVA) | Bays (No.) | | | | | | |
| I | Schemes | | | | | | | | | | | | | | | | | | | | | | |
| 1 | S-07-03 | Erragadda and O.U GIS &Cables scheme | 29-09-2011 | 29-09-2011 | 27.12.2011 | 31.03.2020 | E-27.05.2015 OU-14.10.2015 | | 76.79 | 0.21 | 75% | 25% | 0% | | 45 | 960 | 6 | — | — | Full | 2019000183 2019000186 2019000196 2019000554 | OU-202001409 | * |
| 2 | - | Erection of various 220 kV & 132 kV GIS substations and connecting XLPE UG cable lines in and around Hyderabad metropolitan city with JBIC funding Gunrock 220 kV SS. | | Feb-10 | 12.8.2010 | Nov'2012 | 30.11.2012 | | 88.9 | 0.43 | | | | | 308 | 1,622 | 42 | | | | | | |
| | S-07-04.24 | B) Hayatnagar 220 kV SS | | Feb-13 | 8.2.2013 | March'2017 | 03.05.2017 | 17.36 | | | 75% | 25% | 0% | | | | | — | — | Full | 2019000506 | Yes | * |
| | S-07-04.23 | c) Imilibun 220 kV SS | | Jun-13 | 10.5.2013 | March'2017 | 31.01.2017 | 328.20 | | | 75% | 25% | 0% | | | | | — | — | Full | 2019000200 | 0202001681 | * |
| | S-07-04.17 | D) Moosarambagh 132 kV SS | | Mar-15 | 19.03.2015 | Mar'2017 | 26.10.2016 | 95.00 | | | 75% | 25% | 0% | | | | | — | — | Full | 2021000096 | Yes | * |
| | S-07-04.14 | E) Balkampet 132 kV SS | | Mar-15 | 16.11.2010 | Mar'2017 | 29.09.2016 | 77.00 | | | 75% | 25% | 0% | | | | | — | — | Full | 2020000298 2021000087 | | * |
| | S-13-13.01 | F) Bachupalli(Miyapur) 220 kV SS | | Feb-14 | 24.7.2013 | 05.01.2015 | 11.11.2016 | 78.41 | | | 75% | 25% | 0% | | | | | — | — | Full | Yes | Yes | * |
| | S-07-04-13 | G) Fever Hospital 132 kV SS | | Nov-10 | 16.11.2010 | March'2017 | 04.01.2017 | 69.15 | | | 75% | 25% | 0% | | | | | — | — | Full | 2019000194 2020000294 | Yes | * |
| | S-07-04.16 | H)NIMS | | 24.09.2010 | 26.03.2015 | 16.02.2017 | 19.09.2018 | 85.36 | | | 75% | 25% | 0% | | | | | — | — | Full | 2019000179 2019000181 2019000198 2019000466 | | * |
| | S-07-04-15 | H) Pattigadda 132 kV SS | | Apr-15 | 26.03.2015 | March'2017 | 29.12.2016 | 66.30 | | | 75% | 25% | 0% | | | | | — | — | Full | 2019000184 2019000192 2019000193 | | * |
| 3 | S-08-08 | 132/33 KV Narayanaguda GIS Sub-station | 13.10.2016 | 13.10.2016 | 31.05.2013 | 31.03.2020 | 08.12.2017 | 56.90 | 7.45 | 0.09 | 75% | 25% | 0% | | 3 | 48 | 2 | — | — | Full | 2019000195 | 202001682 | * |
| 4 | S-08-11 | 132 kV SS Mamidipally & connected lines | Aug-16 | 31.10.2008 | 31.12.2008 | 31.03.2020 | 31.03.2016 20.08.2016 | 21.92 | 0.09 | 0.18 | 75% | 25% | 0% | | 20 | 82 | 4 | — | — | Full | 2019000522 2019000523 | 202000278 | * |
| 5 | S-08-14 | Erection of 220/33 kV SS at Singotam 'X' Roads, instead of erection of 132/33 kV substation at Singotam 'X' Roads, Kollapur Mandal in Mahabubnagar district along with connected lines | 13.02.2011 | 16.10.2010 | 25.01.2012 | 31.03.2020 | 02.09.2016 | 21.17 | 0.42 | 0.03 | 75% | 25% | 0% | | 14 | 40 | 2 | — | — | Full | 2019000508 2019000510 | 202000791 | * |
| 6 | S-10-05 | 132/33kv SS Aitipamula | 15.09.2010 | 28.04.2010 | 20.10.2010 | 19.04.2012 | 21.03.2013 | 12.94 | 0.00 | 0.02 | 75% | 25% | 0% | | 21 | 48 | 2 | — | — | Full | 2022000449 | 202200455 | * |
| 7 | S-10-06 | 132/33 kV Substation at Borapatta in Medak district along with connecting 132 kV and 33 kV lines | 21.03.2011 | 18.06.2010 | 20.08.2011 | 31.03.2020 | 30.10.2017 | 15.4 | 0.62 | 0.04 | 75% | 25% | 0% | | 36 | 48 | 2 | — | — | Full | 2019000344 2019000614 | 0202001239 0202001238 | * |
| 8 | S-10-10 | 132/33kV SS Ghanapur and lines | 13.07.2011 | 20.09.2010 | 19.03.2011 | 20.09.2012 | 08.12.2014 | 10.42 | 0.00 | 0.40 | 75% | 25% | 0% | | 8 | 48 | 2 | — | — | Full | 2019000107 2019000109 | 0202000825 0202000827 | * |
| 9 | S-10-13 | Erection of 132/33KV SS LGM Pet | 08.08.2011 | 31.06.2011 | 16.09.2011 | 31.03.2020 | 18.08.2016 | 31.90 | 0.38 | 0.25 | 75% | 25% | 0% | | 20 | 48 | 2 | — | — | Full | 2019000346 2019000397 | 0202000492 | * |
| 10 | S-10-17 | 132/33 KV Substation at N V Puram in Khammam District | 06.05.2013 | 07.03.2014 | 17.08.2016 | 31.03.2020 | 24.06.2019 | 18.01 | 26.59 | 0.16 | 75% | 25% | 0% | | 10 | 32 | 2 | RC pile foundations casted in Godavar | — | Full | 2020000530 2020000532, 2020000310, 2020000313 2020000310 | 202000034 0202000036 0202000037 | * |
| 11 | S-10-20 | 220 kV Switching Station at Thimmajipeta & connected lines | 01.12.2017 | 05.07.2013 | 30.09.2013 | 31.03.2020 | 07.06.2017 | 29.32 | 2.01 | 0.01 | 75% | 25% | 0% | | 94 | 0 | 8 | — | — | Full | 2019000484 2021000184 | 202100291 | * |
| 12 | S-10-22 | Erection of 33KV features at Vikarabad | 23.06.2010 | 23.06.2010 | 04.12.2012 | 31.03.2020 | 01.03.2016 | 4.47 | -0.02 | 0.10 | 75% | 25% | 0% | | — | 32 | — | — | — | Full | 2019000416 | 202000496 | * |

| Sl. No. | Scheme ID-SAP | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|---------|---------------|---|---|------------|------------|-----------------|-----------------|--|---|---|------------------|--------|------------|------------------------|----------------------------------|----------------|------------|--------------------------|--------------------------|--|--|--|----------------------------------|
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CKM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 13 | S-11-07 | 132/33KVSS- GANGANPALLI (ALWALPAD)LINES | 27.04.2011 | 27.04.2011 | 26.10.2015 | 31.03.2020 | 23.08.2018 | 14.7 | 0.40 | 0.39 | 75% | 25% | 0% | | 14 | 48 | 1 | — | — | Full | 2019000818 | 202000845 202000846 202100293 | * |
| 14 | S-11-09 | 132 kV SS Chippapalli & connected lines | APT/TS/132k V SS- Chippapalli/ F-INVST-31/2013 | 29.07.2013 | 29.7.2013 | Jul-14 | 21.12.2015 | 32.96 | -0.03 | 0.40 | 75% | 25% | 0% | | 61 | 48 | 2 | — | — | Full | Yes | 0202001265 0202001267 0202001712 | * |
| 15 | S-11-11 | 132KV parigi dmsagar line | 15.09.2018 | 18.04.2018 | 13.12.2016 | 31.03.2020 | | 30.80 | 0.53 | 0.7 | 75% | 25% | 0% | | 70 | -- | 4 | — | — | Part | | | * |
| 16 | S-11-13 | 132 kV SS Doullhabad & connected lines | APT/TS/132k V SS- Doullhabad/ F-INVST-38/2013 | 21.06.2013 | 21.6.2013 | Mar-14 | 10.02.2017 | 21.8 | -0.002 | 0.02 | 75% | 25% | 0% | | 33 | 48 | 2 | — | — | Full | 2022000425 | 202001236 | * |
| 17 | S-11-16 | 220/132/33 kV substation at Huzurnagar in Nalgonda District | 02.04.2013 | 21.06.2013 | 18.02.2016 | 31.03.2020 | 10.12.2018 | 52.49 | 65.36 | 0.00 | 75% | 25% | 0% | | 100 | 263 | 10 | — | — | Full | 2020000545 2020000546 2020000547 2020000548 2019000924 2019000925 2019000926 2019000810 2019000812 | 202001036 202001041 | * |
| 18 | S-11-19 | 132kV SS Kathlapur & connected lines | 24.05.2013 | 21.11.2011 | 10.12.2015 | 31.03.2020 | 11.01.2018 | 14.15 | 0.65 | 0 | 75% | 25% | 0% | | 15 | 32 | 2 | — | — | Full | Yes | 202001268 | * |
| 19 | S-11-26 | 132kV SS Munugodu & connected lines | 24.05.2013 | 11.08.2011 | 13.06.2016 | 31.03.2020 | 05.10.2017 | 19.34 | 1.36 | 0.00 | 75% | 25% | 0% | | 25 | 48 | 2 | — | — | Full | 2020000566 | 202001045 | * |
| 20 | S-11-27 | 132/33 kV Substation at Nellikuduru in Warangal district along with connected 132 kV & 33 kV lines | 24.05.2013 | 06.04.2011 | 21.07.2016 | 31.03.2020 | 04.01.2018 | 21.21 | 0.69 | 0.27 | 75% | 25% | 0% | | 30 | 48 | 2 | — | — | Full | 2019000295 2019000296 | 0202000289 0202000288 0202001634 | * |
| 21 | S-11-28 | 132kV SS Nimmapalli & connected lines | APT/TS/132 kV SS - Nimmapalli/ F-INVST - 06/2014 | Apr-15 | 23.3.2018 | Apr-16 | work in progres | 25.35 | 9.21 | 6.69 | 75% | 25% | 0% | | 21 | 32 | 2 | — | — | Full | | 202200384 202100077 202001277 | * |
| 22 | S-11-30 | erection of 220/132 kV substation at Parigi in Ranga Reddy district | 11.05.2012 | 09.08.2011 | 19.10.2013 | 31.03.2020 | 04.03.2016 | 60.35 | 1.15 | 0.05 | 75% | 25% | 0% | | 110 | 200 | 8 | — | — | Full | 2019000418, 2019000419, 2019000420 2019000412 | 202000501 | * |
| 23 | S-11-35 | Shifting of 132 kV SS at Wadapally by erection of 132 kV SS at Wadapally (New) in place of existing Wadapally SS and 132 kV LILO arrangements to 132/33 kV SS Wadapally (NEW) in Nalgonda district. | TOO / CE/Trans/ MS No.106 Dated 17.06.2015 (As per APREC Proceedings No: 725/2013, dt.06.05.201 | 22.04.2013 | 22.4.2013 | Jan-14 | 26.11.2016 | 4.99 | -0.03 | 0.42 | 75% | 25% | 0% | | - | 48 | - | — | — | Full | 2021000070 2021000071 | 202001056 202001057 | * |
| 24 | S-11-37 | 132/33 kV Substation at Shad Nagar (V) Hamlet of Wattipally in Medak District | 14.06.2016. | 14.06.2016 | 09.09.2015 | 31.03.2020 | 10.02.2018 | 19.07 | 1.10 | -0.22 | 75% | 25% | 0% | | 42 | 32 | 2 | — | — | Full | 2019000442 2019000606 | 202000599 202001231 | * |

| Sl. No. | Scheme ID-SAP | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|---------|---------------|---|--------------------------|------------|------------|------------------------|------------|--|---|---|------------------|--------|------------|------------------------|----------------------------------|----------------|------------|--------------------------------------|---|--|--|---|----------------------------------|
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CKM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 25 | S-11-39 | 132 kv SS Yerrabelli(V), Nidmanoor(M) & connected lines | 22.12.2011 | 05.07.2015 | 18.09.2015 | 31.03.2020 | 03.10.2016 | 19.37 | -0.10 | 0.00 | 75% | 25% | 0% | | 25 | 48 | 2 | — | — | Full | 2019000672 2019000673 2019000674 | | * |
| 26 | S-12-01 | 220 kV features at proposed 132/33 kV Kosigi SS in Mahaboobnagar district | 21.03.2013 | 13.01.2012 | 07.08.2014 | 31.03.2020 | 04.07.2016 | 52.25 | 1.73 | 0.03 | 75% | 25% | 0% | | 101 | 200 | 8 | — | — | Full | 2019000450 2019000445 2019000446 2019000448 2019000452 | 202000867 202000870 202000872 202000875 202100294 | * |
| 27 | S-12-02 | 132KV Arempula & connected lines | 28.11.2015 | 01.04.2016 | 06.06.2016 | 31.03.2020 | March'2017 | 21.53 | 0.14 | -0.15 | 75% | 25% | 0% | | 30 | 48 | 2 | — | — | Full | 2019000386 2019000387 | 202000389 202000388 | * |
| 28 | S-12-05 | erection of 33 kV features at Jankampet 132/11 kV Lift irrigation substation in Nizamabad district | 20.12.2012 | 20.09.2016 | 01.11.2016 | 31.03.2020 | 16.02.2018 | 4.18 | 0.13 | 0.16 | 75% | 25% | 0% | | 0 | 32 | 0 | — | — | Full | 2019000254 2019000255 | Yes | * |
| 29 | S-12-06 | Erection of 2nd circuit stringing on existing 220 kV DC/SC line from 220 kV Ramagundam Sub-Station to 220 kV Mandamarri (Bellampally) Sub-Station | 31.01.2013 | 28.11.2012 | 06.10.2012 | 31.03.2020 | 20.10.2015 | 10.67 | 0.09 | 0.11 | 75% | 25% | 0% | | 34 | — | 2 | — | — | | | | * |
| 30 | S-12-10 | 132 kV SS MD Pally (Kattedan) & connected lines | 21.07.2017 | 12.02.2015 | 05.08.2015 | 31.03.2020 | 25.09.2017 | 54.71 | 7.11 | 0.00 | 75% | 25% | 0% | | 7 | 100 | 4 | — | — | Full | 2019000538 2019000539 | 202000282 | * |
| 31 | S-12-11 | 132kV SS Munagala(V&M) & connected lines | 28.11.2015 | 17.07.2015 | 20.06.2016 | 31.03.2020 | 22.12.2017 | 35.53 | 28.83 | 0.00 | 75% | 25% | 0% | | 86 | 48 | 4 | — | — | Full | 2020000551 2019000676 | 202001103 | * |
| 32 | S-13-02 | 220/132 kV SS at Ayyagaripally in Mahaboobabad in Warangal district | 09.05.2016 | 05.01.2016 | 02.03.2016 | 31.03.2020 | 29.01.2018 | 78.33 | -0.29 | 0.00 | 75% | 25% | 0% | | 94 | 200 | 9 | — | — | Full | 2019000282 2019000305 2019000306 2019000308 2019000519 2019000737 2020000509 2020000519 | Yes | * |
| 33 | S-13-03 | 220/132/33kV SS at Bonguloor in RR District | 28.02.2014 | 30.05.2014 | 05.09.2013 | 31.03.2020 | 23.05.2020 | 63.4 | 47.73 | 0.33 | 75% | 25% | 0% | | 20 | 300 | 6 | — | ROW issues | Full | 2019000540 2019000541 2020000357 2021000144 | 202000284 202200054 202100152 | * |
| 34 | S-13-10 | 132/33kV SS Kachapur & connected lines | 26.2.2016 | 07.10.2015 | 22.09.2015 | 31.03.2020 | 04.05.2018 | 21.53 | 12.28 | 0.54 | 75% | 25% | 0% | | 38 | 48 | 2 | — | — | Full | Yes | 202001280 202001281 | * |
| 35 | S-13-13 | erection of 132kV XLPE UG Cable (Bachupally Ss) | | 02.02.2014 | 24.7.2013 | 05.01.2015 Mar'2017 | 11.11.2016 | 78.41 | 0.00 | -0.06 | 75% | 25% | 0% | | | | | — | — | Full | 2022000391 | Yes | * |
| 36 | S-14-03 | 132/33 kV Substation at Duddeda in Medak District along with connected lines | 09.04.2015 | 10.05.2015 | 31.07.2015 | 31.03.2020 | 02.09.2016 | 24.60 | 0.05 | 0.02 | 75% | 25% | 0% | | 30 | 63 | 2 | — | — | Full | 2020000503 2021000323 | 202001233 | * |
| 37 | S-14-12 | 132 KV substation Khaithalapur aong with connected lines | 01.09.2015 | 10.09.2014 | 04.07.2016 | 31.08.2020 | 27.08.2019 | 66.04 | 54.53 | 0.98 | 75% | 25% | 0% | | 15 | 63 | 4 | — | — | Full | 2020000006, 2020000007 2020000008 | 202000507 202000508 202000509 | * |
| 38 | S-15-01 | Providing second source of supply to 132/33 kV Sub-Station, Lalgadi Malakpet in Shameerpet Mandal of Ranga Reddy District | 06.05.2013 | 19.08.2015 | 20.10.2015 | 31.03.2020 | 18.10.2019 | 7.31 | 9.23 | 0.90 | 75% | 25% | 0% | | 16 | - | 2 | Additional towers erected due to ROW | Severe ROW issues. Some of the locations got completed with police protection | Full | 2020000010, 2020000009 | 202001129 202001134 | * |

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|---------|---------------|--|---|------------|------------|-----------------|---------------------------|--|---|---|------------------|--------|------------|------------------------|----------------------------------|----------------|------------|--------------------------|--------------------------|--|------------------------------------|----------------------------------|----------------------------------|
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CKM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 39 | S-15-02 | Up-Gradation of 132/33 kV SS Aswaraopet to 220/132 kV SS | 05.10.2015 | 24.08.2015 | 18.01.2017 | 31.03.2020 | 28.04.2018 | 52.82 | 40.13 | -0.17 | 75% | 25% | 0% | | 100 | 200 | 8 | — | — | Full | 2020000136, 2019000093& 2019000613 | 202000027 202001650 | * |
| 40 | S-15-03 | 132/33 kV Substation at Chandulapur Village of Chinnakodur Mandal in Medak District along with connected lines | 04.02.2015 | 04.02.2015 | 27.04.2015 | 31.03.2020 | 06.10.2017 | 18.25 | 0.39 | -0.01 | 75% | 25% | 0% | | 8 | 63 | 4 | — | — | Full | 2019000605 2019000343 | 202000584 | * |
| 41 | S-15-04 | 132/33 kV Sub-Station at Jangapally of Bejanki Mandal in Karimnagar District. | 06.05.2013 | 30.07.2015 | 03.03.2018 | 31.12.2019 | 02.06.2019 | 19.79 | 13.06 | -0.07 | 75% | 25% | 0% | | 28 | 48 | 2 | — | — | Full | Yes | 202001316 | * |
| 42 | S-15-05 | 132KV Kondapur SS | 21.02.2015 | 03.01.2015 | 23.03.2017 | 31.03.2020 | | 24.49 | 7.71 | 0.00 | 75% | 25% | 0% | | 20 | 63 | 1.00 | — | — | Part | 2020000272 | 202000923 | * |
| 43 | S-15-08 | Erection of 132 kV DC line for making LILO of one circuit of existing 132kV DC line from 132 KV SS Jakora to 132 KV SS Bichkunda at 132/33 kV SS Banswada under the program for providing 9.00 Hrs Day Time Supply for Agriculture | 26.08.2015 | 05.09.2016 | 01.11.2016 | 31.03.2020 | 29.12.2017 | 8.00 | 0.4 | 0.01 | 75% | 25% | 0% | | 20 | 0 | 2 | — | — | Full | 2019000247 2019000248 | | * |
| 44 | S-15-10 | 132/33 kV Substation at Narayanpet in Mahaboobnagar District along with connected 132 kV & 33 kV lines | 18.8.2016 | 17.07.2015 | 21.09.2016 | 31.03.2020 | 28.12.2017 | 21.23 | 1.09 | -0.01 | 75% | 25% | 0% | | 15 | 63 | 2 | — | — | Full | 2019000383 2019000384 2019000380 | 202100295 | * |
| 45 | S-15-12 | Erection of 132/33 kV Sub-Station at Gandimasanipt of Yellareddy Constituency in Nizamabad District. | 07.09.2015 | 05.05.2016 | 25.07.2016 | 31.03.2020 | 25.09.2018 | 15.89 | 1.60 | 0.00 | 75% | 25% | 0% | | 12 | 48 | 2 | — | — | Full | 2019000018 2019000019 | | * |
| 46 | S-15-29 | 132KV DC line from 220KV HSB. LISS, BAY | 27.07.2015 | 27.07.2015 | 11.11.2016 | 31.03.2020 | 29.12.2017 | 18.00 | 2.17 | 0.00 | 75% | 25% | 0% | | 17 | 100 | 6.00 | — | — | Full | Yes | 202001357 | * |
| 47 | S-15-31 | erection of 2 nd circuit from 220kV Shivarampally SS to 132kV Asifnagar SS for providing 2 nd source of supply to 132kV Asifnagar substation | 05.10.2015 | 25.03.2015 | 16.02.2018 | 31.03.2020 | 31.05.2019 | 45.97 | 41.36 | -0.03 | 75% | 25% | 0% | | 4 | -- | 2 | — | — | Full | 2020000354 | 202000287 202000290 202000291 | * |
| 48 | S-15-32 | Erection of 220/132/33 kV SS at Pedagogati in Khammam district | 22.03.2016 | 07.11.2015 | 27.02.2017 | 31.03.2020 | 01.12.2018 | 124.44 | 45.11 | 0.40 | 75% | 25% | 0% | | 220 | 263 | 4 | — | — | Full | 2019000088 2019000103 | 202000025 202000029 | * |
| 49 | S-15-33 | 132/33 kV SS at Sarangapur in Adilabad District | 06.05.2013 | 21-12-2015 | 04.04.2018 | 31.01.2020 | 11.12.2019 | 19.93 | 14.66 | 0.43 | 75% | 25% | 0% | | 28 | 48 | 2 | — | — | Full | 2020000621 2020000620 | 202001545 202001544 | * |
| 50 | S-15-38 | Erection of 132 kV lines for making LILO of (i) 2nd Circuit of 132kV Warangal – Shapuramgar DC line at 132kV SS Jangaon and (ii) 2nd Circuit of 132kV Warangal – Shapuramgar DC line at 132kV SS Kolanpak | 06.05.2013 | 22.08.2015 | 07.02.2018 | 31.03.2020 | J-28.12.2019 K-16.11.2019 | 8.38 | 5.84 | 0.28 | 75% | 25% | 0% | | 12 | -- | 4 | — | — | Full | 2020000510 | 202000335 202000337 202000339 | * |
| 51 | S-16-07 | Erection of 33 kV Features at existing 132 kV Switching Station, Kodandapur in Nalgonda District. | 18.02.2016 | 18.02.2016 | 20.08.2018 | 31.03.2020 | 25.03.2019 | 8.91 | 0.54 | 0.00 | 75% | 25% | 0% | | -- | 63 | -- | — | — | Full | 2019000336 | 202000879 | * |
| 52 | S-16-08 | 33 kV Features at existing 220/11 kV LI Sub-Station, Bheemghanpur Warangal District. | 25.04.2016 | 25.04.2016 | 05.05.2017 | 31.03.2020 | 08.07.2020 | 5.73 | 8.55 | 7.17 | 75% | 25% | 0% | | -- | 50 | -- | — | Delay in PTR supply | Full | 2020000505 | 202200378 202100143 202000360 | * |
| 53 | S-16-09 | 132/33 kV Sub-Station at Regonda in Warangal District. | 11.01.2017 | 06.04.2016 | 08.01.2018 | 31.03.2020 | 05.12.2018 | 22.11 | 13.88 | -0.13 | 75% | 25% | 0% | | 20 | 48 | 2 | — | — | Full | 2019000680 202000344 2019000681 | 202000342 202000344 202000360 | * |
| 54 | S-16-11 | 132/33 kV Substation at Bachannapet in Warangal District | 25.05.2016 | 25.05.2016 | 06.06.2018 | 31.03.2020 | 31.10.2019 | 19.38 | 17.68 | 0.41 | 75% | 25% | 0% | | 18 | 48 | 2 | — | — | Full | 2020000506 2020000507 | 202000017 202000368 | * |
| 55 | S-16-16 | erection of 220/33 kV Sub-Station, at Domalapenta Village of Nagarkurnool District (erstwhile Mahaboobnagar District) | 15.12.2016 | 15.12.2016 | 05.03.2018 | 30.11.2019 | 26.07.2019 | 14.2 | 12.37 | 0.02 | 75% | 25% | 0% | | 2 | 63 | 2 | — | — | Full | 2020000642 2020000643 | 202000930 | * |
| 56 | S-17-01 | Erection of 220/33 kV Sub-Station at Chanchalguda | CRN TS/TST/220/33 KV, GIS, Chanchalguda/Invest.Approval No.7/17-2017-18 | 27.02.2017 | 28.02.2018 | 31.03.2021 | 20.03.2021 | 89.12 | 78.25 | -0.68 | 75% | 25% | 0% | | 2 | 150 | -- | — | — | Full | 2021000035 | 202100160 | * |
| 57 | S-17-04 | 132/33kV SS Gachibowli in Ranga Reddy district | 27.02.2017 | 27.02.2017 | 11.06.2019 | 10.12.2020 | 22.09.2021 | 18.73 | 0.00 | 20.42 | 75% | 25% | 0% | | 2 | 160 | -- | — | — | Full | 2022000374 2022000375 | 202200406 202200407 202200408 | * |

| Sl. No. | Scheme ID-SAP | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|----------|---------------|--|---|-------------------------------|-------------------------------|-------------------------------|--------------------------|--|---|---|------------------|--------|------------|------------------------|----------------------------------|----------------|------------|--|--------------------------|--|--|-------------------------------------|----------------------------------|
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CKM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 58 | S-17-09 | 220/132/33 kV Substation at Toopran(meenaji pet) in Medak District along with connected lines | 09.04.2015 | 27.05.2017 | 23.12.2016 | 31.03.2021 | 06.02.2020 | 76.78 | 49.65 | 2.81 | 75% | 25% | 0% | | 110 | 263 | 12 | — | — | Full | 2020000000 2020000001 | 202000576 202000577 | * |
| 59 | S-17-11 | 33 kV Features at existing 132/11 kV LI Sub-Station, CH. Kondur in Nizamabad District | 23.05.2017 | 23.05.2017 | 16.04.2018 | 31.03.2020 | 01.10.2018 | 4.2 | 2.46 | 0.20 | 75% | 25% | 0% | | — | 32 | — | — | — | Full | 2019000143 | 202200132 | * |
| 60 | S-17-13 | erection of 132/33 kV Sub-Station at Yadagirigutta Temple with connected line Town of Yadadri (erstwhile Nalgonda) District | 09.05.2017 | 09.05.2017 | 16.07.2018 | 31.03.2020 | 11.12.2019 | 15.06 | 16.85 | 0.26 | 75% | 25% | 0% | | 4 | 63 | 2 | — | — | Full | 2019000921 2019000922 | 202000883 202000886 | * |
| 61 | S-17-14 | 33kV features at 220kV SS mahabubabad | 16.11.2017 | 16.11.2017 | 20.02.2020 | 19.08.2021 | 26.05.2021 | 8.54 | 0.00 | 2.88 | 75% | 25% | 0% | | — | 32 | — | — | — | Full | 2021000061 | 202200369 | * |
| 62 | S-07-02 | Erection of 220KV SS Jurala & 132 KV LILO line to 220 KV SS Jurala | | | | | | | 0 | 0.11 | 75% | 25% | 0% | | | | | — | — | Full | 2019000884 | 202200358 | * |
| 63 | S-17-15 | Erection of 132/33 kV Sub-Station at Chinna Shankarampet in Medak District | 06.05.2013 | 19.08.2017 | 01.04.2018 | 31.03.2021 | 23.01.2021 | 16.00 | 8.96 | 0.21 | 75% | 25% | 0% | | 12 | 32 | — | — | — | Full | 2021000138 2021000138 | 202100228 202100229 | * |
| 64 | S-17-16 | 132kv 2nd Circuit stringing from waddekothapally to peddanagaram | 09.10.2017 | 09.10.2017 | 22.02.2020 | 21.08.2021 | 06.11.2021 | 7.02 | 0.00 | 3.21 | 75% | 25% | 0% | | 30 | — | 2.00 | — | — | Full | 2022000382 2022000383 2022000384 | 202200374 202200376 202200375 | * |
| 65 | S-17-18 | feeding 132/33 kV SS Ghanpur through Ring Mains | 09.05.2017 | 09.05.2017 | 23.10.2018 | 31.03.2020 | 26.06.2019 | 5.8 | 7.78 | 0.23 | 75% | 25% | 0% | | 4 | — | 8 | — | — | Full | 2020000517 | 202000372 202000373 | * |
| 66 | S-17-20 | 132 KV DC/SC line from 220KVSS Chegur (Kothur) to existing 132KVSS Kothur | 30-11-2017 | 30-11-2017 | 12.03.2019 | 31.03.2020 | 24.07.2020 | 5.68 | 10.34 | 0.03 | 75% | 25% | 0% | | 6 | — | 2 | Narrow based towers erected due to RoW | RoW | Full | 2021000366 2021000367 | 202100306 202100305 | * |
| 67 | S-18-04 | 132/33kV SS Nagaram in Suryapet District | 12.12.2018 | 30.08.2018 | 27.10.2020 | 26.04.2022 | 27.03.2022 | 33.97 | 0.00 | 10.91 | 75% | 25% | 0% | | 32 | 48 | — | — | — | Full | 2022000074 2022000076 | 202200171 202200173 | * |
| 68 | S-21-01 | 132/33kV SS Pasra at mulugu District | 30.06.2021 | 30.06.2021 | 25.10.2021 | 31.12.2022 | 31.01.2022 | 12.80 | 0.00 | 6.23 | 75% | 25% | 0% | | 4 | 32 | — | — | — | Full | 2022000264 2022000381 | 202200373 202200274 | * |
| 69 | P-10-02 | Transmission system for evacuation power from the forth coming Lower Jurala Hydro Electric Station (6x40 MW) | APT/TS/Lower Jurala- Evac / F-INVST - 06/2011 | 16.07.2011 | 23.12.2011 | 31.12.2013 | 29.04.2016 | 10.87 | 0.15 | 0.00 | 75% | 25% | 0% | | 32 | — | 6 | — | — | Full | 2021000186 2021000187 2021000188 2021000189 | 202100284 | * |
| 70 | P-11-01 | Pulichintala Hydro electric project evacuation arrangemnets | APT/TS/Pulichintala- Evac/F-INVST- 02/2014 | Apr-14 | 12.2.2014 | Apr-15 | 22-9-16 5-12-18 | 33.42 | 0.09 | 0.01 | 75% | 25% | 0% | | 76 | - | 4 | — | — | Full | 2020000568 2020000628 | 202000970 | * |
| 71 | P-19-01 | 400/220 kV, 1X315 MVA ICT at Bhadradi Thermal Power Station (BTPS) switch yard, Manuguru, TSGENCO and erection of 220 KV DC line from 220/132/33 KV Manuguru SS to 400 KV BTPS switch yard | 22.11.2019 | 08.07.2019 | 31.09.2019 | 31.03.2021 | 12.03.2021 | 66.56 | 24.86 | 1.17 | 75% | 25% | 0% | | 46 | 315 | 4 | — | — | Full | 2021000006 2021000007 | 202100047 202100080 | * |
| TOTAL | | | | | | | | 2654.66 | 871.01 | 69.80 | | | | | 2,478 | 7,293 | 243 | | | | | | |
| DC WORKS | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | D-13-02 | SWICHYARDSTATIONNTPC SOLAR EVACUATION | | 01.09.2012 | 07.08.2014 | 13.05.2015 | 05.05.2016 | 10.17 | 0.12 | 0.02 | 0% | 0% | 100% | | 0.7 | - | - | | | | | | |
| 2 | D-13-05 | SHIFTING LINE AT YELLAMMABANDA FOR GHMC | | 31.10.2013 | 24.07.2014 | 30.10.2014 | 11.12.2015 | 6.97 | 0.32 | 0.10 | 0% | 0% | 100% | | - | - | - | | | | | | |
| 3 | D-13-06 | Shifting of 220KV lines for HMRL | | 09.10.2013 | 09.10.2013 | 08.02.2014 | 05.08.2014 | 49.45 | 0.00 | 2.73 | 0% | 0% | 100% | | | | | | | | | | |
| 4 | D-15-01 | ERC OF (I) 132KV DC (2PH) LINE(20.5KM) - | | 21.07.2015 | 21.07.2015 | 20.10.2016 | 28.10.2016 | 13.61 | -0.01 | 0.05 | 0% | 0% | 100% | | 41 | - | - | | | | | | |
| 5 | D-15-08 | 220KV YELLURU & GOURIDEVIPALLY SS | | 24.02.2016 | 24.02.2016 | 23.11.2016 | Y-03.11.17 G-08.12.17 | | 4.34 | 0.00 | 0% | 0% | 100% | | 11 | 200 | - | | | | | | |
| 6 | D-16-07 | DC WORKS-EREC OF 220KV BAY AT 220 BUDMPD | | 12.11.2015 | 03.11.2016 | 02.05.2017 | 14.06.2018 | 2.11 | 0.27 | 0.00 | 0% | 0% | 100% | | 0.3 | - | 1 | | | | | | |
| 7 | D-16-11 | Shftg of 132kv ERG-MDHPR DC LN for GHMC | | 23.03.2017 | 23.03.2017 | 22.06.2017 | 07.11.2017 | 31.866 | 0.73 | 0.00 | 0% | 0% | 100% | | - | - | - | | | | | | |
| 8 | D-17-06 | 220 KV LILO (10.80 KM) line from existing RSS-Nagaram line | | 10.05.2016 | 08.01.2018 | 08.07.2018 | 30.03.2019 | 23.80 | 1.25 | 0.00 | 0% | 0% | 100% | | 21.6 | - | 2 | | | | | | |
| 9 | D-17-11 | 132 KV line 4m Miryalaguda to RTSS and Ramannapet to Ramannapet | | 02.06.2018 (Miryalaguda line) | 02.06.2018 (Miryalaguda line) | 01.12.2018 (Miryalaguda line) | 27.09.2019 | 8.374 | 4.45 | 0.27 | 0% | 0% | 100% | | 5.4 | - | - | | | | | | |
| | | | | 02.06.2018 (Ramannapet line) | 02.06.2018 (Ramannapet line) | 01.12.2018 (Ramannapet line) | 06.12.2018 | 7.0374 | | | 0% | 0% | 100% | | 2.7 | - | - | | | | | | |

| Sl. No. | Scheme ID- SAP | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|----------------------------------|----------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|---|---|------------------|--------|------------|------------------------|----------------------------------|----------------|-----------------|--------------------------|--------------------------|--|---------------------------------|----------------------------------|----------------------------------|
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CKM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 10 | D-17-12 | Shifting of 220KV kline from veltoor-Thi (1) Shifting of 220KV kline from veltoor-Thimmajipet 2) 220 KV Shifting of Boothpur-Kalwakurthy) | | 23.05.2018 13.04.2018 | 23.05.2018 13.04.2018 | 22.11.2018 12.10.2018 | 29.01.2019 06.11.2018 | 8.41 3.20 | 8.75 | 0.31 | 0% | 0% | 100% | | - | - | - | | | | | | |
| 11 | D-18-05 | shftng of Ins B/w manoharbd-Kothapalli n | | 21.08.2018 | 21.08.2018 | 20.02.2019 | 02.07.2019 | 21.38 | 2.09 | 0.05 | 0% | 0% | 100% | | - | - | - | | | | | | |
| 12 | D-18-10 | Divrsn of Gajwl-Kndapka etc Komrveli mal | | 26.09.2018 | 26.09.2018 | 25.03.2019 | 09.12.2020 | 17.599 | 5.20 | 6.94 | 0% | 0% | 100% | | - | - | - | | | | | | |
| 13 | D-18-12 | Extnsion of power supply to RTSS Manoharabad | | 15.04.2019 | 15.04.2019 | 14.10.2019 | 25.11.2020 | 1.05 | 7.72 | -0.06 | 0% | 0% | 100% | | | | | | | | | | |
| 14 | D-18-14 | Shift of 132 KV Manuguru-Kamalapur DC line | | --- | --- | --- | --- | --- | 0.00 | 0.01 | 0% | 0% | 100% | | | | | | | | | | |
| 15 | D-18-21 | 220KV DC line Dindi-Bonguluru loc no 5 t | | 07.05.2019 | 07.05.2019 | 06.11.2019 | 05.02.2020 | 7.91 | 4.57 | 0.00 | 0% | 0% | 100% | | - | - | - | | | | | | |
| 16 | D-19-01 | Shftng of 132KV Erragadda-Shivarampally | | 07.03.2019 | 07.03.2019 | 06.09.2019 | 11.03.2020 | 0.94 | 0.73 | 0.52 | 0% | 0% | 100% | | - | - | - | | | | | | |
| 17 | D-19-03 | Sft 220KV Gachibowli -S.nagar-Erragadda line | | 29.11.2019 | 29.11.2019 | 28.05.2020 | 31.08.2021 | 19.61 | 0.00 | 9.16 | 0% | 0% | 100% | | | | | | | | | | |
| 18 | D-19-04 | Shifting 132kV lines from Road number 45 Durgam Cheruvu | | 30.01.2019 | 22.03.2019 | 21.09.2019 | 13.06.2020 | 18.8 | 8.92 | 0.00 | 0% | 0% | 100% | | - | - | - | | | | | | |
| 19 | D-19-10 | Diversion of 220KV gachibowli -Erragadda-Shapurnagar | | --- | --- | --- | --- | --- | 0.00 | 0.04 | 0% | 0% | 100% | | | | | | | | | | |
| 20 | D-20-09 | Gajwel-Chegunta for manoharabad to Kothapally | | 29.01.2021 | 29.01.2021 | 23.04.2021 | 03.07.2021 | 2.69 | 0.00 | 1.43 | 0% | 0% | 100% | | | | | | | | | | |
| 21 | D-21-18 | Shifting of 220KV Miryalaguda-KTPS SC line | | --- | --- | --- | --- | --- | 0.00 | 0.46 | 0% | 0% | 100% | | | | | | | | | | |
| 22 | L-12-02 | 2Nos 132kV Bays at Jaipur for SCCL | | --- | --- | --- | --- | --- | 0.00 | 0.22 | 0% | 0% | 100% | | | | | - | - | - | | | |
| 23 | D-21-36 | M/s.HSIL Ltd., AGI Glaspac-Railway block | | Supervision Work | | | | | | 0.19 | 0% | 0% | 100% | | | | | | | | | | |
| 24 | N-17-01 | Other Non planned Project Str 2017-18 | | | | | | | | 0.32 | 0% | 100% | 0% | | | | | | | | | | |
| 25 | N-18-01 | Non Plan Capital Works for FY 2018-19 | | | | | | | | 6.78 | 0% | 100% | 0% | | | | | | | | | | |
| 26 | N-19-01 | Non Plan Capital Works for FY 2019-20 | | | | | | | | 1.42 | 0% | 100% | 0% | | | | | | | | | | |
| 27 | N-20-01 | Non Plan Capital Works for FY 2020-21 | | | | | | | | 1.48 | 0% | 100% | 0% | | | | | | | | | | |
| 28 | N-21-01 | Non Plan Capital Works for FY 2021-22 | | | | | | | | 1.38 | 0% | 100% | 0% | | | | | | | | | | |
| TOTAL | | | | | | | | 243.37 | 49.45 | 33.82 | | | | | 29.70 | 0.00 | 2.00 | | | | | | |
| Augmentation of Lines, PTRs & SS | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | A-13-05 | Aug of PTR at 132KV SS Ichoda | | 18.01.13 | 18.01.13 | 17.01.15 | 3.2.20 | 0.61 | | 0.019 | 75% | 25% | 0% | 15.7.22 | - | - | - | No cost overrun | | | 2022000446 | - | NA |
| 2 | A-15-05 | AUGof PTR@EHT SS for extending 9Hrs | | | | | 5.3.16 | | | | | | 0% | 7.5.19 | - | 31.5 | 2 | No cost overrun | No Time Over Run | | 2019000120 | 202000704 | NA |
| 3 | A-15-05 | AUGof PTR@EHT SS for extending 9Hrs | | | | | 7.4.16 | | | | | | 0% | 7.5.19 | - | 31.5 | 2 | | | | 2019000119 | 202000708 | |
| 4 | A-15-05 | AUGof PTR@EHT SS for extending 9Hrs | | | | | 12.3.16 | | | | | | 0% | 22.6.22 | - | 31.5 | 2 | | | | 2022000400 | - | |
| 5 | A-15-05 | AUGof PTR@EHT SS for extending 9Hrs | | | | | 6.3.16 | 283.03 | | 0.103 | 75% | 25% | 0% | 10.6.19 | - | 18.5 | - | | | | 2019000624 | - | |
| 6 | A-15-05 | AUGof PTR@EHT SS for extending 9Hrs | | | | | 30.12.16 | | | | | | 0% | 22.5.19 | - | 47.5 | - | | | | 2019000345 | 202001687 | |
| 7 | A-15-05 | AUGof PTR@EHT SS for extending 9Hrs | | | | | 31.3.16 | | | | | | 0% | 29.5.19 | - | 31.5 | 2 | | | | 2019000503 | 202000723 | |
| 8 | A-15-05 | AUGof PTR@EHT SS for extending 9Hrs | | | | | 23.5.16 | | | | | | 0% | 22.6.19 | - | 80 | 2 | | | | 2019000816 | 202001003 | |
| 9 | A-15-05 | AUGof PTR@EHT SS for extending 9Hrs | | | | | 27.5.16 | | | | | | 0% | 25.6.21 | - | 64 | - | | | | 2021000068 | 202001006 | |
| 10 | A-15-06 | Augmentation of PTR capacities at variou | | 01.05.16 | 01.05.16 | 01.05.18 | 4.3.16 | 233.75 | | -0.005 | 75% | 25% | 0% | 13.6.19 | - | 16.5 | - | No cost overrun | No Time Over Run | | 2019000686 | 202001331 | NA |
| 11 | A-15-07 | Augmentation of PTR capacities at 220kV | | 02.07.15 | 02.07.15 | 02.07.17 | 13.5.16 | 11.35 | 0.019 | 75% | 25% | 0% | 22.6.19 | - | 100 | 2 | No cost overrun | No Time Over Run | | 2019000817 | 202100091 | NA | |
| 12 | A-15-07 | Augmentation of PTR capacities at 220kV | | | | | 26.4.16 | | | | | 0% | 22.6.19 | - | 100 | 2 | | 2019000806 | 202100090 | | | | |
| 13 | A-15-08 | ERECTION OF 31.5 MVA PTR IN PLACE OF 10/ | | 01.05.15 | 01.05.15 | 01.05.17 | 31.3.16 | - | | 0.023 | 75% | 25% | 0% | 24.6.22 | - | 15.5 | - | No cost overrun | No Time Over Run | | 2022000409 | 202200321 | NA |
| 14 | A-15-19 | Dismatling of 10/16MVAPTR-II & Erect.of | | 01.05.15 | 01.05.15 | 01.05.17 | 31.3.16 | - | | 0.003 | 75% | 25% | 0% | 24.6.22 | - | - | - | No cost overrun | No Time Over Run | | 2022000408 | 202200320 | NA |

| Sl. No. | Scheme ID-SAP | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|---------|---------------|--|--------------------------|------------|----------|-----------------|----------|--|---|---|------------------|--------|------------|------------------------|----------------------------------|----------------|------------|--------------------------|--------------------------|--|---------------------------------|----------------------------------|----------------------------------|
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CKM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 15 | A-16-01 | 3rd 31.5MVA PTR at Adilabad SS | | 01.03.16 | 01.03.16 | 01.03.16 | 6.2.20 | 3.06 | | 0.008 | 75% | 25% | 0% | 15.7.22 | - | 31.5 | 2 | No cost overrun | No Time Over Run | | 2022000447 | - | NA |
| 16 | A-16-01 | 3rd 31.5MVA PTR at Adilabad SS | | | | | 3.3.17 | | | | | | 0% | 13.7.21 | | | | | | | 2021000237 | 202001422 | |
| 17 | A-16-10 | Aug. at 220KV SS Gunrock & Ghanapur 160M | | 03.09.16 | 03.09.16 | 03.09.18 | 25.1.20 | 14.05 | | 0.000 | 75% | 25% | 0% | 1.7.20 | - | - | - | No cost overrun | No Time Over Run | | 2020000437 | 2020000454 | NA |
| 18 | A-17-01 | 24 Hrs. Agl. supply works in WGL ZONE | No.13/17, 2017-18 | 02.05.17 | 02.05.17 | 02.05.19 | 30.4.20 | 72.23 | | 1.774 | 75% | 25% | 0% | 18.6.22 | - | 18.5 | - | No cost overrun | No Time Over Run | | 2022000361 | 202200233 | NA |
| 19 | A-18-02 | Aug of PTR cap.at YWGI | | 18.07.18 | 18.07.18 | 18.07.20 | 19.2.21 | 6.68 | | 0.528 | 75% | 25% | 0% | 20.6.22 | - | 31.5 | 2 | No cost overrun | No Time Over Run | | 2022000380 | 202200372 | NA |
| 20 | A-18-05 | PSDF STRENGTHENING-7NO'S 220KV EHT LINES | No.8/18 2018-19 | 18.09.18 | 18.09.18 | 17.09.19 | 31.1.19 | 100.55 | | 0.147 | 0% | 25% | 75% | 31.1.19 | - | - | - | No cost overrun | No Time Over Run | | 2019000153 | 202000608 | NA |
| 21 | A-18-05 | PSDF STRENGTHENING-7NO'S 220KV EHT LINES | | | | | 11.2.19 | | | | | | | 11.2.19 | - | - | - | | | | 2019000152 | 202000603 | |
| 22 | A-19-04 | Augmentation of PTRs at 220 KV Hayathnag | | 18.03.20 | 18.03.20 | 18.03.22 | 26.8.21 | 14.40 | | 9.955 | 75% | 25% | 0% | 1.6.22 | - | 100 | - | No cost overrun | No Time Over Run | | 2022000132 | 202200048 | NA |
| 23 | A-19-04 | Augmentation of PTRs at 220 KV Hayathnag | | | | | 26.8.21 | | | | | | 0% | 14.2.22 | | | | | | | 2021000378 | 202200080 | |
| 24 | A-19-04 | Augmentation of PTRs at 220 KV Hayathnag | | | | | 26.8.21 | | | | | | 0% | 1.6.22 | | | | | | | 2022000143 | 202200057 | |
| 25 | A-19-05 | Augmentation of PTRs at gesukonda & Tiru | | 18.03.20 | 18.03.20 | 18.03.22 | 26.1.22 | 1.47 | | 0.685 | 75% | 25% | 0% | 20.6.22 | - | 31.5 | 2 | No cost overrun | No Time Over Run | | 2022000385 | 202200377 | NA |
| 26 | A-20-03 | Aug of PTR at Warangal & Karimnagar Circ | | 03.10.20 | 03.10.20 | 03.10.22 | 23.12.20 | 8.26 | | 0.148 | 75% | 25% | 0% | 22.6.21 | - | 18.5 | - | No cost overrun | No Time Over Run | | 2021000022 | 202100257 | NA |
| 27 | A-20-04 | Augmentation of PTR at 132KV Donthanpall | | 03.11.20 | 03.11.20 | 03.11.22 | 26.2.21 | 3.30 | | 2.708 | 75% | 25% | 0% | 13.6.22 | - | 47.5 | - | No cost overrun | No Time Over Run | | 2022000287 | 202200388 | NA |
| 28 | A-20-04 | Augmentation of PTR at 132KV Donthanpall | | | | | 26.2.21 | | | | | | 0% | 13.6.22 | | | | | | | 2022000289 | 202200390 | |
| 29 | A-20-04 | Augmentation of PTR at 132KV Donthanpall | | | | | 26.2.21 | | | | | | 0% | 13.6.22 | | | | | | | 2022000290 | 202200392 | |
| 30 | A-20-04 | Augmentation of PTR at 132KV Donthanpall | | | | | 25.8.21 | | | | | | 0% | 16.6.22 | | | | | | | 2022000319 | 202200401 | |
| 31 | A-20-05 | Augmentation of PTR at 132KV Khaithalapu | | 18.11.20 | 18.11.20 | 18.11.21 | 25.8.21 | 0.55 | | 0.326 | 75% | 25% | 0% | 16.6.22 | - | 47.5 | - | No cost overrun | No Time Over Run | | 2022000324 | 202200387 | NA |
| 32 | A-20-05 | Augmentation of PTR at 132KV Khaithalapu | | | | | 25.8.21 | | | | | | 0% | 16.6.22 | | | | | | | 2022000320 | 202200389 | |
| 33 | A-20-05 | Augmentation of PTR at 132KV Khaithalapu | | | | | 25.8.21 | | | | | | 0% | 17.6.22 | | | | | | | 2022000336 | 202200391 | |
| 34 | A-20-05 | Augmentation of PTR at 132KV Khaithalapu | | | | | 11.3.22 | | | | | | 0% | 17.6.22 | | | | | | | 2022000341 | - | |
| 35 | A-20-07 | Aug of 4rd PTR at 132KV Pashmailaram SS | | 30.03.21 | 30.03.21 | 30.03.22 | 30.12.21 | 1.56 | | 0.543 | 75% | 25% | 0% | 10.6.22 | - | 50 | 2 | No cost overrun | No Time Over Run | | 2022000273 | 202200195 | NA |
| 36 | A-20-07 | Aug of 4rd PTR at 132KV Pashmailaram SS | | | | | 30.12.21 | | | | | | 0% | 10.6.22 | | | | | | | 2022000276 | 202200196 | |
| 37 | A-21-02 | Aug of 132/33 KV PTRs at Mamidipally & 4 | | 07.05.21 | 07.05.21 | 07.05.22 | 21.8.21 | 11.47 | | 0.227 | 75% | 25% | 0% | 13.7.22 | - | 15.5 | - | No cost overrun | No Time Over Run | | 2022000441 | - | NA |
| 38 | A-21-02 | Aug of 132/33 KV PTRs at Mamidipally & 4 | | | | | 2.12.21 | | | | | | 0% | 13.7.22 | - | 15.5 | - | | | | 2022000440 | - | |
| 39 | A-21-02 | Aug of 132/33 KV PTRs at Mamidipally & 4 | | | | | 8.2.22 | | | | | | 0% | 31.5.22 | - | 18.5 | - | | | | 2022000103 | - | |
| 40 | A-21-04 | Aug. of PTR capacity at 220KV Huzurabad | | 18.08.21 | 18.08.21 | 18.08.22 | | 6.03 | | 1.097 | 75% | 25% | 0% | | - | 160 | - | No cost overrun | No Time Over Run | Part | | - | NA |
| 41 | A-21-06 | Augmentations of 132KV PTRs at 24Nos Sub | 03/2021-22 | 7.10.21 | 7.10.21 | 7.10.21 | 27.12.21 | 48.75 | | 2.802 | 75% | 25% | 0% | 17.6.22 | - | 30 | - | No cost overrun | No Time Over Run | | 2022000356 | 202200317 | NA |
| 42 | A-21-06 | Augmentations of 132KV PTRs at 24Nos Sub | | | | | 27.12.21 | | | | | | 0% | 17.6.22 | | | | | | | 2022000357 | 202200318 | |
| 43 | A-21-06 | Augmentations of 132KV PTRs at 24Nos Sub | | | | | 22.12.21 | | | | | | 0% | 18.6.22 | | | | | | | 2022000367 | - | |
| 44 | A-21-06 | Augmentations of 132KV PTRs at 24Nos Sub | | | | | 27.12.21 | | | | | | 0% | 17.6.22 | | | | | | | 2022000358 | 202200319 | |
| 45 | D-18-03 | Implementation of DAS for RTSS | | 11.01.18 | 11.01.18 | 11.01.19 | 26.3.19 | 3.80 | | 0.143 | 0% | 0% | 100% | 15.6.20 | - | - | - | No Cost Overrun | No Time Over Run | | 2020000267 | 202000989 | NA |
| 46 | D-18-03 | Implementation of DAS for RTSS | | | | | 21.9.19 | | | | 0% | 0% | 100% | 7.7.21 | - | - | - | | | | 2021000161 | 202100184 | |
| 47 | D-18-03 | Implementation of DAS for RTSS | | | | | 25.3.22 | | | | 0% | 0% | 100% | 22.6.22 | - | - | - | | | | 2022000399 | 202200352 | |
| 48 | D-18-03 | Implementation of DAS for RTSS | | | | | 4.12.19 | | | | 0% | 0% | 100% | 18.6.20 | - | - | - | | | | 2020000302 | 202001721 | |
| 49 | D-18-03 | Implementation of DAS for RTSS | | | | | 25.2.19 | | | | 0% | 0% | 100% | 10.6.20 | - | - | - | | | | 2020000101 | 202001720 | |
| 50 | D-18-03 | Implementation of DAS for RTSS | | | | | 26.2.19 | | | | 0% | 0% | 100% | 21.5.19 | - | - | - | | | | 2019000335 | 202001719 | |
| 51 | D-18-03 | Implementation of DAS for RTSS | | | | | 14.6.19 | | | | 0% | 0% | 100% | 11.6.20 | - | - | - | | | | 2020000187 | 202001718 | |

| Sl. No. | Scheme ID-SAP | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|---------|---------------|--|--------------------------|------------|------------|-----------------|----------|--|---|---|------------------|---------|------------|------------------------|----------------------------------|----------------|------------|--------------------------|--------------------------|--|---------------------------------|----------------------------------|----------------------------------|
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CKM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 52 | D-18-03 | Implementation of DAS for RTSS | | | | | 31.1.22 | | | | 0% | 0% | 100% | 28.5.22 | - | - | - | | | | 2022000017 | 202200129 | |
| 53 | D-18-03 | Implementation of DAS for RTSS | | | | | 31.8.19 | | | | 0% | 0% | 100% | 16.5.19 | - | - | - | | | | 2019000252 | 202001709 | |
| 54 | D-19-08 | ABT Metering at 132KV OCM & Mandamarry S | | 01.04.20 | 01.04.20 | 01.04.21 | 20.2.22 | 14.10 | | 2.592 | 0% | 0% | 100% | 7.7.22 | - | - | - | No Cost Overrun | No Time Over Run | | 2022000430 | - | NA |
| 55 | D-19-08 | ABT Metering at 132KV OCM & Mandamarry S | | | | | 20.2.22 | | | | 0% | 0% | 100% | 7.7.22 | - | - | - | | | | 2022000429 | 202200416 | |
| 56 | D-19-08 | ABT Metering at 132KV OCM & Mandamarry S | | | | | 20.2.22 | | | | 0% | 0% | 100% | 7.7.22 | - | - | - | | | | 2022000431 | 202200417 | |
| 57 | D-20-16 | Erection of 4Nos 33KV Bays for M/s Amazo | | 17.04.20 | 17.04.20 | 17.04.21 | 24.5.21 | 2.66 | | 0.384 | 0% | 0% | 100% | 1.7.21 | - | - | 1 | No Cost Overrun | No Time Over Run | | 2021000083 | 202200044 | NA |
| 58 | D-20-16 | Erection of 4Nos 33KV Bays for M/s Amazo | | | | | 24.5.21 | | | | 0% | 0% | 100% | 1.7.21 | - | - | 1 | | | | 2021000085 | 202200043 | |
| 59 | D-20-20 | 33KV Bay at 220KV FABCITY SS for chirpa | | 08.05.20 | 08.05.20 | 08.05.21 | 24.5.21 | 0.71 | | 0.142 | 0% | 0% | 100% | 1.7.21 | - | - | 1 | No Cost Overrun | No Time Over Run | | 2021000084 | 202200045 | NA |
| 60 | D-20-23 | 33KV Bay for Textile Park at Geesukonda | | | | | 9.7.21 | | | | 0% | 0% | 100% | 16.7.21 | - | - | | | | | 2021000308 | 202200251 | |
| 61 | D-20-23 | 33KV Bay for Textile Park at Geesukonda | | 12.06.20 | 12.06.20 | 12.06.21 | 13.5.21 | 0.26 | | 0.136 | 0% | 0% | 100% | 16.6.22 | - | - | 1 | No Cost Overrun | No Time Over Run | | 2022000328 | 202200229 | NA |
| 62 | D-20-23 | 33KV Bay for Textile Park at Geesukonda | | | | | 26.8.21 | | | | 0% | 0% | 100% | 17.6.22 | - | - | | | | | 2022000333 | 202200226 | |
| 63 | D-20-23 | 33KV Bay for Textile Park at Geesukonda | | | | | 26.8.21 | | | | 0% | 0% | 100% | 17.6.22 | - | - | | | | | 2022000334 | 202200227 | |
| 64 | D-20-27 | 33KV Bays for Amazon at Mahabubnagar Cir | | 08.07.20 | 08.07.20 | 08.07.21 | 17.11.20 | 1.07 | | 0.006 | 0% | 0% | 100% | 14.7.21 | - | - | 1 | No Cost Overrun | No Time Over Run | | 2021000253 | 202100271 | NA |
| 65 | D-20-31 | Intermediate towers for gajwel ring road | | | | | 20.2.21 | | | | 0% | 0% | 100% | 20.2.21 | - | - | - | | | | 2021000143 | 202100230 | |
| 66 | D-20-31 | Intermediate towers for gajwel ring road | | 12.11.20 | 12.11.20 | 12.11.21 | 10.3.21 | 2.70 | | 0.998 | 0% | 0% | 100% | 10.3.21 | - | - | - | No Cost Overrun | No Time Over Run | | 2021000142 | 202100231 | NA |
| 67 | D-20-31 | Intermediate towers for gajwel ring road | | | | | 4.3.21 | | | | 0% | 0% | 100% | 4.3.21 | - | - | - | | | | 2021000141 | 202100233 | |
| 68 | D-20-31 | Intermediate towers for gajwel ring road | | | | | 26.2.21 | | | | 0% | 0% | 100% | 26.2.21 | - | - | - | | | | 2021000137 | 202100234 | |
| 69 | D-21-16 | 4Nos 33KV Bays in substation in OMC Wara | | 25.02.22 | 25.02.22 | 25.02.23 | 5.3.22 | 0.84 | | 0.024 | 0% | 0% | 100% | 18.6.22 | - | - | 1 | No Cost Overrun | No Time Over Run | | 2022000364 | 202200237 | NA |
| 70 | D-21-22 | Shifting of 132KV Nandipet - Nizamabad S | | 02.10.21 | 02.10.21 | 01.10.22 | 12.01.22 | 2.90 | | 1.403 | 0% | 0% | 100% | 12.1.22 | - | - | - | No Cost Overrun | No Time Over Run | | 2022000046 | 202200420 | NA |
| 71 | N-18-OMCP | Cap.Material Drawl in O&M for FY:2018-19 | | 01.04.18 | 01.04.18 | 31.03.22 | 26.7.21 | - | | 0.121 | 75% | 25% | 0% | 28.7.21 | - | - | - | | | | 2021000349 | 202200385 | NA |
| 72 | N-18-OMCP | Cap.Material Drawl in O&M for FY:2018-19 | | | | | 14.2.22 | | | | | | 0% | 30.5.22 | - | - | - | | | | 2022000079 | 202200269 | |
| 73 | N-19-02 | Non Planned Capital works (O&M) 2019-20 | | | | | 28.9.20 | | | | 0% | 15.7.21 | - | - | - | - | - | | | | 2021000291 | 202100269 | |
| 74 | N-19-02 | Non Planned Capital works (O&M) 2019-20 | | 01.04.20 | 01.04.20 | 31.03.22 | 9.7.21 | | | 0.381 | 75% | 25% | 0% | 26.7.21 | - | - | - | | | | 2021000347 | 202200370 | NA |
| 75 | N-19-02 | Non Planned Capital works (O&M) 2019-20 | | | | | 31.3.22 | | | | 0% | 17.6.22 | - | - | - | - | - | | | | 2022000354 | 202200249 | |
| 76 | N-19-OMCP | Cap.Material Drawl in O&M for FY:2019-20 | | 01.04.20 | 01.04.20 | 31.03.22 | 10.3.20 | | | 0.016 | 75% | 25% | 0% | 29.3.22 | - | - | - | | | | 2021000379 | - | NA |
| 77 | N-20-02 | Non Planned Capital works (O&M) 2020-21 | | | | | 20.11.19 | | | | 0% | 3.7.21 | - | - | - | - | - | | | | 2021000117 | 202100128 | |
| 78 | N-20-02 | Non Planned Capital works (O&M) 2020-21 | | 01.04.20 | 01.04.20 | 31.03.22 | 2.10.20 | | | 0.145 | 75% | 25% | 0% | 5.7.21 | - | - | - | | | | 2021000123 | 202100130 | NA |
| 79 | N-20-02 | Non Planned Capital works (O&M) 2020-21 | | | | | 23.9.20 | | | | 0% | 23.6.22 | - | - | - | - | - | | | | 2022000405 | 202200347 | |
| 80 | N-20-02 | Non Planned Capital works (O&M) 2020-21 | | | | | 2.9.21 | | | | 0% | 10.6.22 | - | - | - | - | - | | | | 2022000265 | 202200330 | |
| 81 | N-21-02 | Non Planned Capital works (O&M) 2021-22 | | | | | 30.10.21 | | | | 0% | 1.6.22 | - | - | - | - | - | | | | 2022000137 | 202200279 | |
| 82 | N-21-02 | Non Planned Capital works (O&M) 2021-22 | | | | | 15.6.21 | | | | 0% | 9.6.22 | - | - | - | - | - | | | | 2022000256 | 202200332 | |
| 83 | N-21-02 | Non Planned Capital works (O&M) 2021-22 | | 01.04.21 | 01.04.21 | 31.03.22 | 23.8.21 | | | 0.397 | 75% | 25% | 0% | 15.6.22 | - | - | - | | | | 2022000309 | 202200086 | NA |
| 84 | N-21-02 | Non Planned Capital works (O&M) 2021-22 | | | | | 4.1.22 | | | | 0% | 25.6.22 | - | - | - | - | - | | | | 2022000415 | 202200381 | |
| 85 | N-21-02 | Non Planned Capital works (O&M) 2021-22 | | | | | 23.8.21 | | | | 0% | 14.6.22 | - | - | - | - | - | | | | 2022000295 | 202200187 | |
| 86 | N-21-02 | Non Planned Capital works (O&M) 2021-22 | | | | | 31.10.21 | | | | 0% | 25.6.22 | - | - | - | - | - | | | | 2022000414 | 202200380 | |
| 87 | O-16-01 | Rolling stock for FY 2016-2017 | | | | | 18.9.17 | | | | 0% | 30.5.22 | - | - | - | - | - | | Procurement Delay | | 2022000055 | 202200359 | |
| 88 | O-16-01 | Rolling stock for FY 2016-2017 | | 11.01.2017 | 11.01.2017 | 11.01.2018 | 19.11.21 | 39.53 | | 2.680 | 75% | 25% | 0% | 21.7.22 | - | - | - | | | | 2022000454 | - | NA |
| 89 | O-16-01 | Rolling stock for FY 2016-2017 | | | | | 19.11.21 | | | | 0% | 21.7.22 | - | - | - | - | - | | | | 2022000455 | - | |
| 90 | O-18-01 | Procure of Major SS equip under rolling | | 3.4.2018 | 03.04.2018 | 02.04.2019 | 7.6.21 | 26.43 | | 0.030 | 75% | 25% | 0% | 17.6.22 | - | - | - | | | | 2022000335 | 202200344 | |
| 91 | R-16-02 | PSDF | | | | | 31.03.21 | | | | 7.6.22 | - | - | - | - | - | - | | | | 2022000208 | 202200164 | |
| 92 | R-16-02 | PSDF | | 28.10.2015 | 08.02.2016 | | 3.7.19 | 59.97 | | 0.062 | - | 10% | 90% | 7.6.22 | - | - | - | No Cost Overrun | No Time Over Run | | 2022000211 | 202200180 | |
| 93 | R-16-02 | PSDF | | | | | 5.7.19 | | | | 7.6.22 | - | - | - | - | - | - | | | | 2022000214 | 202200177 | |
| 94 | R-16-02 | PSDF | | | | | 31.12.19 | | | | 13.7.21 | - | - | - | - | - | - | | | | 2021000236 | 202100256 | |
| 95 | R-16-02 | PSDF | | | | | 9.11.21 | | | | 15.6.22 | - | - | - | - | - | - | | | | 2022000311 | 202200313 | |
| 96 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 31.5.21 | | | | 31.5.22 | - | - | - | - | - | - | | | | 2022000106 | 202200257 | |
| 97 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 28.4.21 | | | | 3.6.22 | - | - | - | - | - | - | | | | 2022000169 | 202200059 | |
| 98 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 24.5.21 | | | | 8.6.22 | - | - | - | - | - | - | | | | 2022000238 | 202200342 | |
| 99 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 17.6.21 | | | | 13.6.22 | - | - | - | - | - | - | | | | 2022000292 | 202200335 | |

| Sl. No. | Scheme ID-SAP | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|---------|---------------|-------------------------------------|--------------------------|------------|--------|-----------------|----------|--|---|---|------------------|--------|------------|------------------------|----------------------------------|----------------|------------|--------------------------|--------------------------|--|---------------------------------|----------------------------------|----------------------------------|
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CKM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 100 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 7.5.21 | | | | | | | 10.6.22 | - | - | - | | | | 2022000286 | 202200337 | |
| 101 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 1.6.21 | | | | | | | 14.6.22 | - | - | - | | | | 2022000294 | 202200312 | |
| 102 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 11.5.22 | | | | | | | 31.5.22 | - | - | - | | | | 2022000100 | - | |
| 103 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 4.9.21 | | | | | | | 7.6.22 | - | - | - | | | | 2022000207 | 202200340 | |
| 104 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 7.8.21 | | | | | | | 17.6.22 | - | - | - | | | | 2022000340 | 202200346 | |
| 105 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 9.6.21 | | | | | | | 6.6.22 | - | - | - | | | | 2022000192 | 202200292 | |
| 106 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 29.6.21 | | | | | | | 16.6.22 | - | - | - | | | | 2022000325 | 202200240 | |
| 107 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 20.6.21 | | | | | | | 15.6.22 | - | - | - | | | | 2022000310 | 202200085 | |
| 108 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 25.8.21 | | | | | | | 28.7.22 | - | - | - | | | | 2022000473 | - | |
| 109 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 8.7.21 | | | | | | | 10.6.22 | - | - | - | | | | 2022000267 | 202200207 | |
| 110 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 30.6.21 | | | | | | | 20.7.22 | - | - | - | | | | 2022000453 | - | |
| 111 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 1.7.22 | | | | | | | 6.6.22 | - | - | - | | | | 2022000190 | - | |
| 112 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 23.6.21 | | | | | | | 15.6.22 | - | - | - | | | | 2022000312 | 202200084 | |
| 113 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 24.6.21 | | | | | | | 15.6.22 | - | - | - | | | | 2022000314 | 202200083 | |
| 114 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 30.9.21 | | | | | | | 30.5.22 | - | - | - | | | | 2022000090 | 202200039 | |
| 115 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 1.7.21 | | | | | | | 7.6.22 | - | - | - | | | | 2022000217 | 202200166 | |
| 116 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 8.7.21 | | | | | | | 30.5.22 | - | - | - | | | | 2022000082 | 202200065 | |
| 117 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 20.10.21 | | | | | | | 21.6.22 | - | - | - | | | | 2022000387 | 202200393 | |
| 118 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 17.7.21 | | | | | | | 8.6.22 | - | - | - | | | | 2022000245 | 202200309 | |
| 119 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 12.7.21 | | | | | | | 30.5.22 | - | - | - | | | | 2022000080 | 202200042 | |
| 120 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 6.7.21 | | | | | | | 14.6.22 | - | - | - | | | | 2022000298 | 202200047 | |
| 121 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 19.7.21 | | | | | | | 9.6.22 | - | - | - | | | | 2022000258 | 202200343 | |
| 122 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 9.12.21 | | | | | | | 13.7.22 | - | - | - | | | | 2022000439 | - | |
| 123 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 15.2.22 | | | | | | | 10.6.22 | - | - | - | | | | 2022000281 | 202200090 | |
| 124 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 8.4.22 | | | | | | | 10.6.22 | - | - | - | | | | 2022000280 | - | |
| 125 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 2.5.22 | | | | | | | 10.6.22 | - | - | - | | | | 2022000283 | - | |
| 126 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 9.8.21 | | | | | | | 7.6.22 | - | - | - | | | | 2022000209 | 202200341 | |
| 127 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 24.7.21 | | | | | | | 20.6.22 | - | - | - | | | | 2022000373 | 202200222 | |
| 128 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 2.8.21 | | | | | | | 14.6.22 | - | - | - | | | | 2022000297 | 202200088 | |
| 129 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 25.8.21 | | | | | | | 6.6.22 | - | - | - | | | | 2022000187 | 202200146 | |
| 130 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 20.12.21 | | | | | | | 13.7.22 | - | - | - | | | | 2022000438 | - | |
| 131 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 19.11.21 | | | | | | | 21.7.22 | - | - | - | | | | 2022000456 | - | |
| 132 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 7.8.21 | | | | | | | 15.6.22 | - | - | - | | | | 2022000315 | 202200082 | |
| 133 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 17.7.21 | | | | | | | 8.6.22 | - | - | - | | | | 2022000244 | 202200308 | |
| 134 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 17.9.21 | | | | | | | 7.6.22 | - | - | - | | | | 2022000218 | 202200034 | |
| 135 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 12.8.21 | | | | | | | 28.5.22 | - | - | - | | | | 2022000019 | 202200074 | |
| 136 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 5.1.22 | | | | | | | 27.7.22 | - | - | - | | | | 2022000467 | - | |
| 137 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 5.12.21 | | | | | | | 6.6.22 | - | - | - | | | | 2022000193 | 202200293 | |
| 138 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 2.9.21 | | | | | | | 9.6.22 | - | - | - | | | | 2022000261 | 202200333 | |
| 139 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 29.11.21 | | | | | | | 17.6.22 | - | - | - | | | | 2022000344 | 202200396 | |
| 140 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 10.11.21 | | | | | | | 30.5.22 | - | - | - | | | | 2022000075 | 202200259 | |
| 141 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 20.11.21 | | | | | | | 30.5.22 | - | - | - | | | | 2022000073 | 202200268 | |
| 142 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 9.2.22 | | | | | | | 1.6.22 | - | - | - | | | | 2022000145 | 202200262 | |
| 143 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 24.8.21 | | | | | | | 31.5.22 | - | - | - | | | | 2022000097 | 202200266 | |
| 144 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 3.12.21 | | | | | | | 7.6.22 | - | - | - | | | | 2022000227 | 202200303 | |
| 145 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 5.1.22 | | | | | | | 27.7.22 | - | - | - | | | | 2022000468 | - | |
| 146 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 2.5.22 | | | | | | | 23.7.22 | - | - | - | | | | 2022000463 | - | |
| 147 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 29.7.20 | | | | | | | 17.6.22 | - | - | - | | | | 2022000332 | 202200397 | |
| 148 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 2.11.21 | | | | | | | 15.6.22 | - | - | - | | | | 2022000317 | 202200315 | |
| 149 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 27.7.21 | | | | | | | 15.6.22 | - | - | - | | | | 2022000318 | 202200316 | |
| 150 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 10.9.21 | | | | | | | 30.5.22 | - | - | - | | | | 2022000091 | 202200064 | |
| 151 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 21.10.21 | | | | | | | 28.5.22 | - | - | - | | | | 2022000021 | 202200076 | |
| 152 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 28.1.21 | | | | | | | 9.6.22 | - | - | - | | | | 2022000260 | 202200334 | |
| 153 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 2.2.22 | | | | | | | 27.7.22 | - | - | - | | | | 2022000469 | - | |
| 154 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 29.9.21 | | | | | | | 22.7.22 | - | - | - | | | | 2022000461 | - | |
| 155 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 1.10.21 | | | | | | | 18.6.22 | - | - | - | | | | 2022000365 | 202200238 | |
| 156 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 23.11.21 | | | | | | | 16.6.22 | - | - | - | | | | 2022000327 | 202200231 | |

| Sl. No. | Scheme ID- SAP | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|---------|----------------|-------------------------------------|--------------------------|------------|--------|-----------------|----------|--|---|---|------------------|--------|------------|------------------------|----------------------------------|----------------|------------|--------------------------|--------------------------|--|---------------------------------|----------------------------------|----------------------------------|
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CKM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 157 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 1.10.21 | | | | | | | 21.7.22 | - | - | - | | | | 2022000457 | - | |
| 158 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 12.6.22 | | | | | | | 14.6.22 | - | - | - | | | | 2022000303 | - | |
| 159 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 17.12.21 | | | | | | | 10.6.22 | - | - | - | | | | 2022000279 | 202200185 | |
| 160 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 12.11.21 | | | | | | | 14.6.22 | - | - | - | | | | 2022000299 | 202200089 | |
| 161 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 20.10.21 | | | | | | | 30.5.22 | - | - | - | | | | 2022000086 | 202200067 | |
| 162 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 18.10.21 | | | | | | | 15.6.22 | - | - | - | | | | 2022000316 | 202200081 | |
| 163 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 30.8.21 | | | | | | | 8.6.22 | - | - | - | | | | 2022000248 | 202200310 | |
| 164 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 29.10.21 | | | | | | | 15.6.22 | - | - | - | | | | 2022000313 | 202200314 | |
| 165 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 3.11.21 | | | | | | | 7.6.22 | - | - | - | | | | 2022000222 | 202200301 | |
| 166 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 4.4.22 | | | | | | | 7.6.22 | - | - | - | | | | 2022000235 | - | |
| 167 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 2.11.21 | | | | | | | 14.6.22 | - | - | - | | | | 2022000301 | 202200087 | |
| 168 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 3.5.22 | | | | | | | 14.6.22 | - | - | - | | | | 2022000302 | - | |
| 169 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 3.2.22 | | | | | | | 10.6.22 | - | - | - | | | | 2022000285 | 202200336 | |
| 170 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 12.2.22 | | | | | | | 28.5.22 | - | - | - | | | | 2022000040 | 202200051 | |
| 171 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 17.11.21 | | | | | | | 6.6.22 | - | - | - | | | | 2022000202 | 202200294 | |
| 172 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 8.1.22 | | | | | | | 8.6.22 | - | - | - | | | | 2022000240 | 202200179 | |
| 173 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 8.1.22 | | | | | | | 8.6.22 | - | - | - | | | | 2022000241 | 202200178 | |
| 174 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 16.12.21 | | | | | | | 21.7.22 | - | - | - | | | | 2022000458 | - | |
| 175 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 28.12.21 | | | | | | | 27.7.22 | - | - | - | | | | 2022000470 | - | |
| 176 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 6.4.22 | | | | | | | 31.5.22 | - | - | - | | | | 2022000117 | 202200200 | |
| 177 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 13.1.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000072 | 202200260 | |
| 178 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 17.8.21 | | | | | | | 6.6.22 | - | - | - | | | | 2022000197 | 202200147 | |
| 179 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 6.12.21 | | | | | | | 7.6.22 | - | - | - | | | | 2022000219 | 202200035 | |
| 180 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 21.11.21 | | | | | | | 17.6.22 | - | - | - | | | | 2022000348 | 202200399 | |
| 181 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 4.12.21 | | | | | | | 10.6.22 | - | - | - | | | | 2022000271 | 202200208 | |
| 182 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 29.11.21 | | | | | | | 30.5.22 | - | - | - | | | | 2022000081 | 202000704 | |
| 183 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 6.12.21 | | | | | | | 31.5.22 | - | - | - | | | | 2022000101 | 202200258 | |
| 184 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 4.12.21 | | | | | | | 10.6.22 | - | - | - | | | | 2022000270 | 202200204 | |
| 185 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 4.1.21 | | | | | | | 27.7.22 | - | - | - | | | | 2022000471 | - | |
| 186 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 20.11.21 | | | | | | | 17.6.22 | - | - | - | | | | 2022000345 | 202200345 | |
| 187 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 13.4.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000045 | - | |
| 188 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 15.12.21 | | | | | | | 22.6.22 | - | - | - | | | | 2022000398 | 202200400 | |
| 189 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 28.4.22 | | | | | | | 10.6.22 | - | - | - | | | | 2022000282 | - | |
| 190 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 13.12.21 | | | | | | | 7.6.22 | - | - | - | | | | 2022000231 | 202200304 | |
| 191 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 5.3.22 | | | | | | | 9.6.22 | - | - | - | | | | 2022000263 | 202200060 | |
| 192 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 29.4.22 | | | | | | | 28.7.22 | - | - | - | | | | 2022000475 | - | |
| 193 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 16.3.21 | | | | | | | 16.7.22 | - | - | - | | | | 2022000451 | - | |
| 194 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 24.12.21 | | | | | | | 9.6.22 | - | - | - | | | | 2022000252 | 202200063 | |
| 195 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 29.12.21 | | | | | | | 31.5.22 | - | - | - | | | | 2022000123 | 202200199 | |
| 196 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 29.10.21 | | | | | | | 9.6.22 | - | - | - | | | | 2022000253 | 202200062 | |
| 197 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 13.1.22 | | | | | | | 31.5.22 | - | - | - | | | | 2022000098 | 202200265 | |
| 198 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 22.1.22 | | | | | | | 8.6.22 | - | - | - | | | | 2022000242 | 202200161 | |
| 199 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 28.1.22 | | | | | | | 8.6.22 | - | - | - | | | | 2022000249 | 202200311 | |
| 200 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 25.1.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000092 | 202200038 | |
| 201 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 18.4.21 | | | | | | | 2.6.22 | - | - | - | | | | 2022000149 | 202200212 | |
| 202 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 24.1.22 | | | | | | | 31.5.22 | - | - | - | | | | 2022000099 | 202200264 | |
| 203 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 19.2.22 | | | | | | | 20.6.22 | - | - | - | | | | 2022000379 | 202200221 | |
| 204 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 28.1.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000089 | 202200040 | |
| 205 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 14.7.21 | | | | | | | 16.6.22 | - | - | - | | | | 2022000329 | 202200232 | |
| 206 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 23.6.22 | | | | | | | 14.7.22 | - | - | - | | | | 2022000443 | - | |
| 207 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 21.3.22 | | | | | | | 9.6.22 | - | - | - | | | | 2022000262 | 202200061 | |
| 208 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 22.3.22 | | | | | | | 10.6.22 | - | - | - | | | | 2022000274 | 202200209 | |
| 209 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 9.2.22 | | | | | | | 10.6.22 | - | - | - | | | | 2022000272 | 202200210 | |
| 210 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 11.4.22 | | | | | | | 14.7.22 | - | - | - | | | | 2022000445 | - | |
| 211 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 26.3.22 | | | | | | | 1.6.22 | - | - | - | | | | 2022000140 | 202200056 | |
| 212 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 18.2.22 | | | | | | | 31.5.22 | - | - | - | | | | 2022000096 | 202200216 | |
| 213 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 11.3.22 | | | | | | | 29.5.22 | - | - | - | | | | 2022000043 | 202200245 | |

| Sl. No. | Scheme ID-SAP | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous year (n-1) (As per Audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|---------------------------|---------------|-------------------------------------|--------------------------|------------|--------|-----------------|---------|--|---|---|------------------|--------|------------|------------------------|----------------------------------|----------------|------------|--------------------------|--------------------------|--|---------------------------------|----------------------------------|----------------------------------|
| | | | Date | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants/C C | Date | Lines (CKM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 214 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 11.4.22 | | | | | | | 17.6.22 | - | - | - | | | | 2022000342 | - | |
| 215 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 15.3.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000088 | 202200066 | |
| 216 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 2.3.22 | | | | | | | 1.6.22 | - | - | - | | | | 2022000139 | 202200055 | |
| 217 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 1.5.22 | | | | | | | 31.5.22 | - | - | - | | | | 2022000102 | - | |
| 218 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 4.3.22 | | | | | | | 20.6.22 | - | - | - | | | | 2022000378 | 202200371 | |
| 219 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 11.3.22 | | | | | | | 17.6.22 | - | - | - | | | | 2022000330 | 202200228 | |
| 220 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 31.3.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000047 | 202200052 | |
| 221 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 10.3.22 | | | | | | | 8.6.22 | - | - | - | | | | 2022000237 | 202200338 | |
| 222 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 10.3.22 | | | | | | | 7.6.22 | - | - | - | | | | 2022000232 | 202200339 | |
| 223 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 17.3.22 | | | | | | | 7.6.22 | - | - | - | | | | 2022000226 | 202200302 | |
| 224 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 10.3.22 | | | | | | | 18.6.22 | - | - | - | | | | 2022000368 | 202200224 | |
| 225 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 10.3.22 | | | | | | | 20.6.22 | - | - | - | | | | 2022000372 | 202200225 | |
| 226 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 14.3.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000049 | 202200053 | |
| 227 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 26.6.21 | | | | | | | 6.6.22 | - | - | - | | | | 2022000182 | 202200148 | |
| 228 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 25.3.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000060 | 202200068 | |
| 229 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 22.3.21 | | | | | | | 10.6.22 | - | - | - | | | | 2022000284 | 202200186 | |
| 230 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 16.3.22 | | | | | | | 28.5.22 | - | - | - | | | | 2022000026 | 202200050 | |
| 231 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 22.7.22 | | | | | | | 23.7.22 | - | - | - | | | | 2022000462 | - | |
| 232 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 11.8.19 | | | | | | | 6.6.22 | - | - | - | | | | 2022000191 | 202200151 | |
| 233 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 12.4.22 | | | | | | | 28.7.22 | - | - | - | | | | 2022000474 | - | |
| 234 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 25.3.21 | | | | | | | 16.6.22 | - | - | - | | | | 2022000321 | 202200402 | |
| 235 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 24.3.22 | | | | | | | 28.5.22 | - | - | - | | | | 2022000028 | 202200075 | |
| 236 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 29.4.22 | | | | | | | 6.6.22 | - | - | - | | | | 2022000196 | - | |
| 237 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 16.4.22 | | | | | | | 6.6.22 | - | - | - | | | | 2022000195 | - | |
| 238 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 1.4.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000050 | - | |
| 239 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 4.4.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000071 | - | |
| 240 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 30.4.22 | | | | | | | 6.6.22 | - | - | - | | | | 2022000194 | - | |
| 241 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 11.4.22 | | | | | | | 17.6.22 | - | - | - | | | | 2022000346 | - | |
| 242 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 14.7.21 | | | | | | | 7.6.22 | - | - | - | | | | 2022000220 | 202200036 | |
| 243 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 16.8.21 | | | | | | | 7.6.22 | - | - | - | | | | 2022000221 | 202200037 | |
| 244 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 13.1.22 | | | | | | | 3.6.22 | - | - | - | | | | 2022000172 | 202200049 | |
| 245 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 19.4.22 | | | | | | | 6.6.22 | - | - | - | | | | 2022000200 | - | |
| 246 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 30.3.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000083 | 202200046 | |
| 247 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 6.4.22 | | | | | | | 31.5.22 | - | - | - | | | | 2022000114 | - | |
| 248 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 6.7.21 | | | | | | | 6.6.22 | - | - | - | | | | 2022000184 | 202200152 | |
| 249 | Z-21-01 | ROLLING STOCKS PROC AND CONSUMPTION | | | | | 4.4.22 | | | | | | | 30.5.22 | - | - | - | | | | 2022000044 | - | |
| AUGMENTATION & PTRs TOTAL | | | | | | | | 976.07 | | 36.84 | | | | | 0 | 1184 | 28 | | | | | | |
| GRAND TOTAL | | | | | | | | 3874.10 | 920.46 | 140.46 | | | | | 2508 | 8477 | 273 | | | | | | |

Scheme wise Details of CAPITALIZATION for F.Y:2021-22 (Renovation, Modernization & Improvization Schemes)

| Sl. No. | Scheme ID-SAP | Name of the Project | Investment Approval Date | Start Date | | Completion Date | | Approved Cost as per Investment Approval | Capitalisation upto previous year as per Audited Financial Statements | Capitalisation claimed for the Current Year 20-21 | Means of Finance | | | Date of Capitalisation | Addition to Transmission | | | Reason for Cost Overrun | Reason for Time Overrun | Whether Part Capitalisation (or) Full Capitalisation | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|---------|---------------|------------------------------|--|------------|------------|-----------------|------------|--|---|---|------------------|--------|-------|------------------------|--------------------------|----------------|-------------|-------------------------|-------------------------|--|---------------------------------|----------------------------------|----------------------------------|
| | | | | Scheduled | Actual | Scheduled | Actual | | | | Debt | Equity | Grant | | Lines (CKT KM) | Capacity (MVA) | Bays (Nos.) | | | | | | |
| 1 | R-15-01 | RMI for the year 2015 | APERC in its Tariff Order dt.09.05.2014 has approved Rs.98.50 Crores for combined state of Andhra Pradesh under Renovation & Modernization Scheme for the year 2015-16. After careful consideration, TSTRANSCO accords approval for Rs.53.08 Crores (53.89% of 98.50 Crores. | 16.09.2015 | 16.09.2015 | 15.09.2016 | 11/11/2020 | 53.08 | | 0.15 | 75% | 25% | | 08-Jul-21 | - | - | - | | Repeated Tendering | | 2021000182 | 202100117 | NA |
| 2 | | | | | | | 11/11/2020 | | | | 75% | 25% | 0% | 08-Jun-22 | - | - | - | | | | 2022000251 | - | |
| 3 | | | | | | | 10/31/2020 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000228 | - | |
| 4 | | | | | | | 7/15/2021 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000152 | 202200149 | |
| 5 | | | | | | | 9/6/2019 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000118 | 202200005 | |
| 6 | | | | | | | 9/7/2019 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000122 | 202200006 | |
| 7 | | | | | | | 8/21/2019 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000124 | 202200007 | |
| 8 | | | | | | | 9/11/2019 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000125 | 202200008 | |
| 9 | | | | | | | 9/21/2019 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000126 | 202200009 | |
| 10 | | | | | | | 8/22/2019 | | | | 75% | 25% | 0% | 03-Aug-22 | - | - | - | | | | 2022000476 | - | |
| 11 | | | | | | | 5/25/2019 | | | | 75% | 25% | 0% | 15-Jun-22 | - | - | - | | | | 2022000307 | 202200349 | |
| 12 | | | | | | | 5/25/2019 | | | | 75% | 25% | 0% | 15-Jun-22 | - | - | - | | | | 2022000308 | 202200350 | |
| 13 | | | | | | | 9/21/2019 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000127 | 202200010 | |
| 14 | | | | | | | 8/7/2019 | | | | 75% | 25% | 0% | 04-Jun-22 | - | - | - | | | | 2022000180 | 202200011 | |
| 15 | | | | | | | 7/10/2019 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000164 | 202200030 | |
| 16 | | | | | | | 8/5/2019 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000165 | 202200031 | |
| 17 | | | | | | | 8/27/2019 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000166 | 202200027 | |
| 18 | | | | | | | 8/9/2019 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000167 | 202200026 | |
| 19 | | | | | | | 7/10/2019 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000168 | 202200025 | |
| 20 | | | | | | | 4/8/2019 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000170 | 202200029 | |
| 21 | | | | | | | 8/6/2019 | | | | 75% | 25% | 0% | 03-Jul-21 | - | - | - | | | | 2021000108 | 202100344 | |
| 22 | | | | | | | 4/3/2019 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000171 | 202200028 | |
| 23 | | | | | | | 3/16/2019 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000153 | 202200022 | |
| 24 | | | | | | | 3/5/2020 | | | | 75% | 25% | 0% | 04-Jun-22 | - | - | - | | | | 2022000176 | 202200013 | |
| 25 | | | | | | | 2/28/2019 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000154 | 202200024 | |
| 26 | | | | | | | 2/14/2019 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000155 | 202200015 | |
| 27 | | | | | | | 3/16/2019 | | | | 75% | 25% | 0% | 04-Jun-22 | - | - | - | | | | 2022000177 | 202200014 | |
| 28 | | | | | | | 1/4/2020 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000156 | 202200023 | |
| 29 | | | | | | | 1/11/2020 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000157 | 202200018 | |
| 30 | | | | | | | 1/4/2020 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000158 | 202200021 | |
| 31 | | | | | | | 1/4/2020 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000159 | 202200016 | |
| 32 | | | | | | | 1/4/2020 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000160 | 202200020 | |
| 33 | | | | | | | 2/6/2020 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000161 | 202200017 | |
| 34 | | | | | | | 4/23/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000037 | 202200127 | |
| 35 | | | | | | | 4/27/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000039 | 202200128 | |
| 36 | | | | | | | 9/10/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000014 | 202200130 | |
| 37 | | | | | | | 9/10/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000013 | 202200131 | |
| 38 | | | | | | | 11/16/2021 | | | | 75% | 25% | 0% | 18-Jun-22 | - | - | - | | | | 2022000369 | 202200220 | |
| 39 | R-17-01 | RMI for FY:2017-18 & 2018-19 | TSERC in its tariff order dt.01.05.2017 has approved for investment of Rs.50.11Cr under RMI during each of F.Y:2017-18,2018-19 | 07.10.2017 | 07.10.2017 | 06.10.2018 | 4/16/2019 | 100.22 | | 2.31 | 75% | 25% | 0% | 28-May-22 | - | - | - | | Repeated Tendering | | 2022000011 | 202200000 | NA |
| 40 | | | | | | | 3/5/2020 | | | | 75% | 25% | 0% | 23-Jun-22 | - | - | - | | | | 2022000401 | 202200351 | |
| 41 | | | | | | | 4/9/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000005 | 202200032 | |
| 42 | | | | | | | 4/10/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000012 | 202200106 | |
| 43 | | | | | | | 5/20/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000006 | 202200107 | |
| 44 | | | | | | | 4/17/2019 | | | | 75% | 25% | 0% | 29-May-22 | - | - | - | | | | 2022000041 | 202200108 | |
| 45 | | | | | | | 5/3/2019 | | | | 75% | 25% | 0% | 29-May-22 | - | - | - | | | | 2022000042 | 202200109 | |
| 46 | | | | | | | 5/20/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000007 | 202200110 | |
| 47 | | | | | | | 1/4/2020 | | | | 75% | 25% | 0% | 24-Jun-21 | - | - | - | | | | 2021000052 | 202100045 | |
| 48 | | | | | | | 7/5/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000010 | 202200004 | |
| 49 | | | | | | | 10/30/2019 | | | | 75% | 25% | 0% | 16-Jun-22 | - | - | - | | | | 2022000322 | 202200181 | |
| 50 | | | | | | | 11/27/2019 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000062 | 202200256 | |
| 51 | | | | | | | 1/4/2020 | | | | 75% | 25% | 0% | 24-Jun-21 | - | - | - | | | | 2021000053 | 202100046 | |
| 52 | | | | | | | 8/10/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000002 | 202200111 | |
| 53 | | | | | | | 9/7/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000001 | 202200112 | |
| 54 | | | | | | | 5/8/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000000 | 202200114 | |
| 55 | | | | | | | 6/26/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000003 | 202200115 | |

| Sl. No. | Scheme ID-SAP | Name of the Project | Investment Approval Date | Start Date | | Completion Date | | Approved Cost as per Investment Approval | Capitalisation upto previous year as per Audited Financial Statements | Capitalisation claimed for the Current Year 20-21 | Means of Finance | | | Date of Capitalisation | Addition to Transmission | | | Reason for Cost Overrun | Reason for Time Overrun | Whether Part Capitalisation (or) Full Capitalisation | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|---------|---------------|---------------------|--------------------------|------------|--------|-----------------|------------|--|---|---|------------------|--------|-------|------------------------|--------------------------|----------------|-------------|-------------------------|-------------------------|--|---------------------------------|----------------------------------|----------------------------------|
| | | | | Scheduled | Actual | Scheduled | Actual | | | | Debt | Equity | Grant | | Lines (CKT KM) | Capacity (MVA) | Bays (Nos.) | | | | | | |
| 56 | | | | | | | 5/2/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000004 | 202200116 | |
| 57 | | | | | | | 4/24/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000016 | 202200117 | |
| 58 | | | | | | | 4/30/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000018 | 202200118 | |
| 59 | | | | | | | 4/25/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000020 | 202200119 | |
| 60 | | | | | | | 4/12/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000025 | 202200120 | |
| 61 | | | | | | | 4/17/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000031 | 202200122 | |
| 62 | | | | | | | 4/23/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000032 | 202200123 | |
| 63 | | | | | | | 4/16/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000015 | 202200124 | |
| 64 | | | | | | | 4/15/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000034 | 202200125 | |
| 65 | | | | | | | 4/15/2019 | | | | 75% | 25% | 0% | 28-May-22 | - | - | - | | | | 2022000035 | 202200126 | |
| 66 | | | | | | | 4/17/2018 | | | | 75% | 25% | 0% | 18-Jun-19 | - | - | - | | | | 2019000730 | - | |
| 67 | | | | | | | 8/2/2021 | | | | 75% | 25% | 0% | 30-Jun-22 | - | - | - | | | | 2022000426 | 202200353 | |
| 68 | | | | | | | 8/2/2021 | | | | 75% | 25% | 0% | 06-Jun-22 | - | - | - | | | | 2022000198 | - | |
| 69 | | | | | | | 8/2/2021 | | | | 75% | 25% | 0% | 06-Jun-22 | - | - | - | | | | 2022000199 | - | |
| 70 | | | | | | | 5/30/2022 | | | | 75% | 25% | 0% | 22-Jun-22 | - | - | - | | | | 2022000395 | - | |
| 71 | | | | | | | 3/16/2021 | | | | 75% | 25% | 0% | 21-Jul-22 | - | - | - | | | | 2022000460 | - | |
| 72 | | | | | | | 1/5/2019 | | | | 75% | 25% | 0% | 01-Sep-20 | - | - | - | | | | 2020000586 | - | |
| 73 | | | | | | | 6/12/2019 | | | | 75% | 25% | 0% | 09-Sep-20 | - | - | - | | | | 2020000613 | 202001670 | |
| 74 | | | | | | | 4/25/2019 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 20220000216 | 202200188 | |
| 75 | | | | | | | 11/30/2019 | | | | 75% | 25% | 0% | 14-Jul-21 | - | - | - | | | | 2021000249 | 202100037 | |
| 76 | | | | | | | 9/3/2019 | | | | 75% | 25% | 0% | 08-Sep-20 | - | - | - | | | | 2020000611 | 202000693 | |
| 77 | | | | | | | 8/13/2021 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000173 | 202200421 | |
| 78 | | | | | | | 12/20/2019 | | | | 75% | 25% | 0% | 15-Jul-21 | - | - | - | | | | 2021000295 | 202100029 | |
| 79 | | | | | | | 6/30/2021 | | | | 75% | 25% | 0% | 01-Jun-22 | - | - | - | | | | 2022000133 | 202200282 | |
| 80 | | | | | | | 5/31/2021 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000095 | 202200078 | |
| 81 | | | | | | | 12/23/2020 | | | | 75% | 25% | 0% | 19-Jul-21 | - | - | - | | | | 2021000318 | 202100270 | |
| 82 | | | | | | | 7/21/2021 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 20220000229 | 202200189 | |
| 83 | | | | | | | 10/25/2021 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 20220000230 | 202200193 | |
| 84 | | | | | | | 2/2/2022 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000069 | 202200071 | |
| 85 | | | | | | | 11/15/2021 | | | | 75% | 25% | 0% | 27-Jul-22 | - | - | - | | | | 2022000472 | - | |
| 86 | | | | | | | 1/4/2019 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000338 | 202200386 | |
| 87 | | | | | | | 8/17/2020 | | | | 75% | 25% | 0% | 03-Aug-21 | - | - | - | | | | 2021000356 | 202100255 | |
| 88 | | | | | | | 3/16/2019 | | | | 75% | 25% | 0% | 09-Jul-20 | - | - | - | | | | 2020000472 | 202000253 | |
| 89 | | | | | | | 12/5/2019 | | | | 75% | 25% | 0% | 19-Jul-21 | - | - | - | | | | 2021000317 | 202100261 | |
| 90 | | | | | | | 12/13/2020 | | | | 75% | 25% | 0% | 18-Jun-22 | - | - | - | | | | 2022000359 | 202200217 | |
| 91 | | | | | | | 12/23/2019 | | | | 75% | 25% | 0% | 28-Jun-22 | - | - | - | | | | 2022000419 | 202200354 | |
| 92 | | | | | | | 12/9/2020 | | | | 75% | 25% | 0% | 05-Jul-21 | - | - | - | | | | 2021000127 | 202100214 | |
| 93 | | | | | | | 6/15/2020 | | | | 75% | 25% | 0% | 28-Jun-22 | - | - | - | | | | 2022000420 | 202200355 | |
| 94 | | | | | | | 4/18/2021 | | | | 75% | 25% | 0% | 02-Jun-22 | - | - | - | | | | 2022000147 | 202200214 | |
| 95 | | | | | | | 7/25/2020 | | | | 75% | 25% | 0% | 24-Jun-21 | - | - | - | | | | 2021000042 | 202100202 | |
| 96 | | | | | | | 6/15/2020 | | | | 75% | 25% | 0% | 25-Jun-22 | - | - | - | | | | 2022000416 | 202200357 | |
| 97 | | | | | | | 7/28/2021 | | | | 75% | 25% | 0% | 04-Jun-22 | - | - | - | | | | 2022000175 | 202200133 | |
| 98 | | | | | | | 8/20/2020 | | | | 75% | 25% | 0% | 16-Jul-22 | - | - | - | | | | 2022000450 | - | |
| 99 | | | | | | | 10/19/2015 | | | | 75% | 25% | 0% | 15-Jul-21 | - | - | - | | | | 20210000270 | 202100084 | |
| 100 | | | | | | | 2/19/2022 | | | | 75% | 25% | 0% | 04-Jun-22 | - | - | - | | | | 2022000174 | 202200134 | |
| 101 | | | | | | | 4/18/2021 | | | | 75% | 25% | 0% | 02-Jun-22 | - | - | - | | | | 2022000148 | 202200213 | |
| 102 | | | | | | | 3/28/2022 | | | | 75% | 25% | 0% | 18-Jun-22 | - | - | - | | | | 2022000360 | 202200235 | |
| 103 | | | | | | | 3/6/2021 | 75.6 | | 5.39 | 75% | 25% | 0% | 06-Jul-21 | - | - | - | | Repeated Tendering | | 2021000136 | 202100131 | NA |
| 104 | | | | | | | 2/20/2021 | | | | 75% | 25% | 0% | 24-Jun-22 | - | - | - | | | | 2022000407 | 202200348 | |
| 105 | | | | | | | 12/4/2021 | | | | 75% | 25% | 0% | 15-Jun-22 | - | - | - | | | | 2022000305 | 202200300 | |
| 106 | | | | | | | 3/23/2022 | | | | 75% | 25% | 0% | 01-Jun-22 | - | - | - | | | | 2022000134 | 202200281 | |
| 107 | | | | | | | 2/3/2022 | | | | 75% | 25% | 0% | 02-Jun-22 | - | - | - | | | | 2022000150 | 202200285 | |
| 108 | | | | | | | 3/20/2021 | | | | 75% | 25% | 0% | 03-Jul-21 | - | - | - | | | | 2021000107 | 202100121 | |
| 109 | | | | | | | 12/15/2020 | | | | 75% | 25% | 0% | 03-Jul-21 | - | - | - | | | | 2021000112 | 202100138 | |
| 110 | | | | | | | 4/24/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000066 | 202200073 | |
| 111 | | | | | | | 3/23/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000068 | 202200072 | |
| 112 | | | | | | | 3/25/2022 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000213 | 202200079 | |
| 113 | | | | | | | 5/29/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000084 | 202200077 | |
| 114 | | | | | | | 12/16/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000077 | 202200070 | |

| Sl. No. | Scheme ID-SAP | Name of the Project | Investment Approval Date | Start Date | | Completion Date | | Approved Cost as per Investment Approval | Capitalisation upto previous year as per Audited Financial Statements | Capitalisation claimed for the Current Year 20-21 | Means of Finance | | | Date of Capitalisation | Addition to Transmission | | | Reason for Cost Overrun | Reason for Time Overrun | Whether Part Capitalisation (or) Full Capitalisation | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|---------|---------------|--|--|------------|------------|-----------------|------------|--|---|---|------------------|--------|-------|------------------------|--------------------------|----------------|-------------|-------------------------|-------------------------|--|---------------------------------|----------------------------------|----------------------------------|
| | | | | Scheduled | Actual | Scheduled | Actual | | | | Debt | Equity | Grant | | Lines (CKT KM) | Capacity (MVA) | Bays (Nos.) | | | | | | |
| 115 | R-20-01 | Renovation & Modernization Scheme - 2020 | TSERC in its tariff order dt.20.03.2020 has approved for investment of Rs.75.67Cr under RMI during each of F.Y:2020-21 | 16.09.2020 | 16.09.2020 | 15.09.2020 | 11/24/2021 | | | | 75% | 25% | 0% | 03-Jun-22 | - | - | - | | | | 2022000163 | 202200058 | |
| 116 | | | | | | | 9/3/2021 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000339 | 202200394 | |
| 117 | | | | | | | 2/20/2022 | | | | 75% | 25% | 0% | 22-Jun-22 | - | - | - | | | | 2022000397 | 202200395 | |
| 118 | | | | | | | 3/11/2022 | | | | 75% | 25% | 0% | 22-Jun-22 | - | - | - | | | | 2022000396 | 202200398 | |
| 119 | | | | | | | 9/14/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000048 | 202200211 | |
| 120 | | | | | | | 10/10/2021 | | | | 75% | 25% | 0% | 10-Jun-22 | - | - | - | | | | 2022000275 | 202200194 | |
| 121 | | | | | | | 9/16/2021 | | | | 75% | 25% | 0% | 20-Jun-22 | - | - | - | | | | 2022000377 | 202200223 | |
| 122 | | | | | | | 11/22/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000067 | 202200252 | |
| 123 | | | | | | | 4/3/2021 | | | | 75% | 25% | 0% | 12-Jul-21 | - | - | - | | | | 2021000216 | 202200202 | |
| 124 | | | | | | | 5/31/2021 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000105 | 202200267 | |
| 125 | | | | | | | 6/12/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000078 | 202200270 | |
| 126 | | | | | | | 1/5/2022 | | | | 75% | 25% | 0% | 01-Jun-22 | - | - | - | | | | 2022000142 | 202200263 | |
| 127 | | | | | | | 7/15/2021 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000107 | 202200271 | |
| 128 | | | | | | | 6/26/2021 | | | | 75% | 25% | 0% | 02-Jun-22 | - | - | - | | | | 2022000146 | 202200215 | |
| 129 | | | | | | | 7/13/2021 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000130 | 202200272 | |
| 130 | | | | | | | 12/16/2019 | | | | 75% | 25% | 0% | 10-Jun-22 | - | - | - | | | | 2022000269 | 202200206 | |
| 131 | | | | | | | 6/27/2021 | | | | 75% | 25% | 0% | 08-Jun-22 | - | - | - | | | | 2022000243 | 202200198 | |
| 132 | | | | | | | 10/30/2020 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000070 | 202200250 | |
| 133 | | | | | | | 6/5/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000058 | 202200325 | |
| 134 | | | | | | | 6/6/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000064 | 202200253 | |
| 135 | | | | | | | 12/15/2020 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000054 | 202200203 | |
| 136 | | | | | | | 7/7/2021 | | | | 75% | 25% | 0% | 01-Jun-22 | - | - | - | | | | 2022000144 | 202200261 | |
| 137 | | | | | | | 12/16/2021 | | | | 75% | 25% | 0% | 10-Jun-22 | - | - | - | | | | 2022000266 | 202200205 | |
| 138 | | | | | | | 8/12/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000057 | 202200326 | |
| 139 | | | | | | | 10/23/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000052 | 202200255 | |
| 140 | | | | | | | 10/27/2021 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000056 | 202200327 | |
| 141 | | | | | | | 1/30/2022 | | | | 75% | 25% | 0% | 10-Jun-22 | - | - | - | | | | 2022000277 | 202200197 | |
| 142 | | | | | | | 3/31/2022 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000051 | 202200329 | |
| 143 | | | | | | | 3/27/2022 | | | | 75% | 25% | 0% | 30-May-22 | - | - | - | | | | 2022000063 | 202200254 | |
| 144 | | | | | | | 3/19/2022 | | | | 75% | 25% | 0% | 27-Jul-22 | - | - | - | | | | 2022000464 | - | |
| 145 | | | | | | | 12/3/2021 | | | | 75% | 25% | 0% | 27-Jul-22 | - | - | - | | | | 2022000465 | - | |
| 146 | | | | | | | 3/19/2022 | | | | 75% | 25% | 0% | 21-Jul-22 | - | - | - | | | | 2022000459 | - | |
| 147 | | | | | | | 10/2/2021 | | | | 75% | 25% | 0% | 27-Jul-22 | - | - | - | | | | 2022000466 | - | |
| 148 | | | | | | | 2/8/2021 | | | | 75% | 25% | 0% | 14-Jul-21 | - | - | - | | | | 2021000254 | 202100274 | |
| 149 | | | | | | | 1/4/2022 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000233 | 202200305 | |
| 150 | | | | | | | 10/14/2021 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000206 | 202200297 | |
| 151 | | | | | | | 4/5/2021 | | | | 75% | 25% | 0% | 15-Jul-21 | - | - | - | | | | 2021000265 | - | |
| 152 | | | | | | | 4/5/2021 | | | | 75% | 25% | 0% | 15-Jul-21 | - | - | - | | | | 2021000266 | 202200286 | |
| 153 | | | | | | | 4/5/2021 | | | | 75% | 25% | 0% | 15-Jul-21 | - | - | - | | | | 2021000267 | 202200287 | |
| 154 | | | | | | | 4/5/2021 | | | | 75% | 25% | 0% | 15-Jul-21 | - | - | - | | | | 2021000269 | 202200288 | |
| 155 | | | | | | | 12/19/2020 | | | | 75% | 25% | 0% | 19-Jul-21 | - | - | - | | | | 2021000320 | 202100278 | |
| 156 | | | | | | | 4/5/2021 | | | | 75% | 25% | 0% | 30-Jun-22 | - | - | - | | | | 2022000427 | - | |
| 157 | | | | | | | 3/22/2022 | | | | 75% | 25% | 0% | 08-Jun-22 | - | - | - | | | | 2022000239 | 202200307 | |
| 158 | | | | | | | 5/12/2021 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000204 | 202200295 | |
| 159 | | | | | | | 1/5/2022 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000205 | 202200296 | |
| 160 | | | | | | | 12/31/2021 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000210 | 202200298 | |
| 161 | | | | | | | 9/3/2021 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000212 | 202200299 | |
| 162 | | | | | | | 3/16/2022 | | | | 75% | 25% | 0% | 06-Jun-22 | - | - | - | | | | 2022000189 | 202200291 | |
| 163 | | | | | | | 4/30/2022 | | | | 75% | 25% | 0% | 06-Jun-22 | - | - | - | | | | 2022000185 | - | |
| 164 | | | | | | | 11/19/2020 | | | | 75% | 25% | 0% | 20-Jun-22 | - | - | - | | | | 2022000370 | 202200218 | |
| 165 | | | | | | | 12/29/2021 | | | | 75% | 25% | 0% | 08-Jun-22 | - | - | - | | | | 2022000246 | 202200182 | |
| 166 | | | | | | | 11/5/2021 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000343 | 202200241 | |
| 167 | | | | | | | 10/22/2021 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000347 | 202200242 | |
| 168 | | | | | | | 11/7/2021 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000349 | 202200243 | |
| 169 | | | | | | | 11/5/2021 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000350 | 202200244 | |
| 170 | | | | | | | 7/14/2021 | | | | 75% | 25% | 0% | 23-Jun-22 | - | - | - | | | | 2022000403 | 202200275 | |
| 171 | | | | | | | 6/5/2021 | | | | 75% | 25% | 0% | 23-Jun-22 | - | - | - | | | | 2022000402 | 202200276 | |
| 172 | | | | | | | 3/29/2022 | | | | 75% | 25% | 0% | 23-Jun-22 | - | - | - | | | | 2022000404 | 202200277 | |
| 173 | | | | | | | 10/30/2021 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000351 | 202200246 | |
| 174 | | | | | | | 11/3/2021 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000352 | 202200247 | |

| Sl. No. | Scheme ID-SAP | Name of the Project | Investment Approval Date | Start Date | | Completion Date | | Approved Cost as per Investment Approval | Capitalisation upto previous year as per Audited Financial Statements | Capitalisation claimed for the Current Year 20-21 | Means of Finance | | | Date of Capitalisation | Addition to Transmission | | | Reason for Cost Overrun | Reason for Time Overrun | Whether Part Capitalisation (or) Full Capitalisation | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|-----------------|---------------|---------------------|--------------------------|------------|--------|-----------------|------------|--|---|---|------------------|--------|-------|------------------------|--------------------------|----------------|-------------|-------------------------|-------------------------|--|---------------------------------|----------------------------------|----------------------------------|
| | | | | Scheduled | Actual | Scheduled | Actual | | | | Debt | Equity | Grant | | Lines (CKT KM) | Capacity (MVA) | Bays (Nos.) | | | | | | |
| 175 | | | | | | | 10/25/2021 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000353 | 202200248 | |
| 176 | | | | | | | 6/10/2019 | | | | 75% | 25% | 0% | 25-Jun-22 | - | - | - | | | | 2022000411 | 202200356 | |
| 177 | | | | | | | 2/25/2022 | | | | 75% | 25% | 0% | 20-Jun-22 | - | - | - | | | | 2022000371 | 202200219 | |
| 178 | | | | | | | 9/12/2021 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000331 | 202200236 | |
| 179 | | | | | | | 11/21/2021 | | | | 75% | 25% | 0% | 16-Jun-22 | - | - | - | | | | 2022000326 | 202200239 | |
| 180 | | | | | | | 7/24/2021 | | | | 75% | 25% | 0% | 17-Jun-22 | - | - | - | | | | 2022000337 | 202200230 | |
| 181 | | | | | | | 11/16/2021 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000215 | 202200176 | |
| 182 | | | | | | | 1/7/2022 | | | | 75% | 25% | 0% | 08-Jun-22 | - | - | - | | | | 2022000247 | 202200183 | |
| 183 | | | | | | | 2/9/2022 | | | | 75% | 25% | 0% | 18-Jun-22 | - | - | - | | | | 2022000362 | 202200234 | |
| 184 | | | | | | | 11/29/2021 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000234 | 202200192 | |
| 185 | | | | | | | 6/8/2021 | | | | 75% | 25% | 0% | 07-Jun-22 | - | - | - | | | | 2022000236 | 202200190 | |
| 186 | | | | | | | 9/4/2021 | | | | 75% | 25% | 0% | 09-Jun-22 | - | - | - | | | | 2022000257 | 202200191 | |
| 187 | | | | | | | 9/3/2021 | | | | 75% | 25% | 0% | 10-Jun-22 | - | - | - | | | | 2022000278 | 202200184 | |
| 188 | | | | | | | 10/24/2021 | | | | 75% | 25% | 0% | 04-Jun-22 | - | - | - | | | | 2022000179 | 202200135 | |
| 189 | | | | | | | 12/10/2020 | | | | 75% | 25% | 0% | 06-Jun-22 | - | - | - | | | | 2022000201 | 202200150 | |
| 190 | | | | | | | 9/18/2021 | | | | 75% | 25% | 0% | 03-Aug-22 | - | - | - | | | | 2022000477 | - | |
| 191 | | | | | | | 8/18/2021 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000110 | 202200002 | |
| 192 | | | | | | | 9/21/2021 | | | | 75% | 25% | 0% | 31-May-22 | - | - | - | | | | 2022000109 | 202200001 | |
| RMI GRAND TOTAL | | | | | | | | 228.90 | | 7.85 | | | | | | | | | | | | | |

Scheme wise detail of CAPITALIZATION for FY 2021-22 : Lift Irrigation Schemes

(Rs. in Crores)

| S. No. | SAP code | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval (Rs.in Crs) | Capitalization upto previous years (As per audited Financial Statements) (Rs.in Crs) | Capitalization claimed for the current year 21-22 (Rs.in Crs) | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|--------------------------------|-------------------|---|--------------------------|------------|----------|-----------------|----------|---|--|--|------------------|--------|--------|------------------------|----------------------------------|----------------|--------------|--------------------------|--------------------------|--|--|--|----------------------------------|
| | | | | Schedule | Actual | Schedule | Actual | | | | Debt | Equity | Grants | | Lines (CkM) | Capacity (MVA) | Bays (No.) | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| LI works under CE/400kV | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | L-13-01 | Indira Sagar Rudrammakota LI scheme | - | - | Mar'2014 | - | Aug'2017 | - | 109.17 | 0.01 | - | - | 100% | 23.11.2021 | 0.00 | 0.00 | 0.00 | NA | - | - | 2022000442 | 202001837 | Exempted |
| 2 | L-18-04 | Sita Rama LI Scheme | - | - | Sep'2018 | - | ongoing | - | 37.66 | 61.41 | - | - | 100% | 31.03.2022 | 79.14 | 630.00 | 15.00 | NA | - | Part | 2021000024 2021000026 2021000177 2020000587 2021000025 2022000392 | 202000375 202100163 202100164 202100165 202100166 202200361 | |
| TOTAL | | | | | | | | 0.00 | 146.83 | 61.42 | | | | | 79.14 | 630.00 | 15.00 | | | | | | |
| LI works under CE/LIS | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | D-08-04 | Extn of 220&132kV Supply to SPS LIS | | Nov'09 | | Aug'10 | Sep'16 | 189.36 | 46.49 | - | - | - | 100% | | | | | | | Part Capitalisation | | | Exempted |
| 2 | D-15-03 (revised) | 400kV Supply to Myadaram/Ramadugu/tippa | | Sep'16 | | Feb'19 | Apr'19 | 889.99 | 766.39 | 5.17 | - | - | 100% | | | 2290 | 34 | | | Part Capitalisation | 2019000619 2019000618 2020000420 2020000425 | 0202001108 0202001113 0202000738 0202000743 0202000755 0202001108 0202001113 0202000738 0202000743 0202000755 | |
| 3 | L-05-02 | Extn of 220&132kV Supply to Godavari LIS | | Apr'17 | | Jul'21 | Oct'21 | 119.59 | 57.31 | 0.17 | - | - | 100% | | 2 | 63 | 10 | | | Part Capitalisation | 2019000431 2019000435 2019000438 2019000439 2019000440 2019000443 2019000528 2019000531 | 0202000171 0202001456 0202001461 0202000064 0202000056 0202000095 0202000083 0202000089 | |
| 4 | L-11-01 (revised) | Extn of Supply@132kV Thotpalu-Gourvly LI | | Nov'14 | | Dec'16 | Sep'21 | 43.73 | 36.83 | 0.54 | - | - | 100% | | 63 | 250 | 10 | | | Part Capitalisation | 2020000368 | 0202000760 0202001146 | |
| 5 | L-13-02 | Kaleshwaram Lift Irrigation Scheme OLD | | Dec'16 | | Sep'18 | Jun'20 | 31.39 | 17.59 | -2.39 | - | - | 100% | | | | | | | Part Capitalisation | 2021000346 2021000351 | 0202100086 0202100087 0202100086 0202100087 | |
| 6 | L-14-01 | Lift Irrigation Scheme at Jogapur | | Apr'17 | | Jul'18 | May'18 | 45.11 | 12.16 | 0.00 | - | - | 100% | | | | | | | Part Capitalisation | 2019000451 | 0202000769 | |
| 7 | L-14-02 (new) | Kaleshwaram Lift Irrigation Scheme pkg -20,21 | | Jan'19 | | Sep'19 | Sep-23 | 186.90 | | 67.74 | - | - | 100% | | 32.94 | 32 | 10 | | | Part Capitalisation | 2022000323 2022000390 2022000394 2022000395 | 0202200362 0202200363 0202200365 | |

| S. No. | SAP code | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous years (As per audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|--------|-------------------|--|--------------------------|------------|--------|-----------------|--------|--|--|---|------------------|--------|--------|------------------------|----------------------------------|----------------|------------|--------------------------|--------------------------|--|--|--|----------------------------------|
| | | | | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants | | Lines (CkM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 8 | L-15-01 (new) | Extn of Supply @ 220kV to AMRP LLC LIS | | Jan'16 | | Apr'16 | Jan'18 | 3.37 | 1.08 | 0.07 | - | - | 100% | | | | | | | Part Capitalisation | 2019000849 | '0202000962 | Exempted |
| 9 | L-15-02 | 400 kV Supply to Tippapur | | Jun'17 | | Oct'18 | Apr'19 | 158.28 | 155.07 | 0.02 | - | - | 100% | | 92 | | | | | Part Capitalisation | 2019000474 | '0202000788 | |
| 10 | L-15-03 (revised) | 400kV Supply to Myadaram | | Aug'16 | | Aug'17 | Nov'18 | 66.48 | 54.62 | 0.08 | - | - | 100% | | | | | | | Part Capitalisation | 2019000607 2019000619 | '020200079 | |
| 11 | L-15-04 | 400kV Supply to Ramadugu Mandal | | Aug'16 | | Dec'17 | May'18 | 113.96 | 90.20 | - | - | - | 100% | | | | | | | Part Capitalisation | 2019000615 | '0202000793 | |
| 12 | L-16-02 | KLIP-400kVQMDCLine TippapurSS-Chndlapr SS | | | | | | | 2.07 | - | - | - | 100% | | | | | | | Part Capitalisation | | | |
| 13 | L-16-03 | Erection of bulk load works of 400/11KV Tukkapur LI(Package 12) under Kaleshwaram Lift Irrigation Project (Dr.B.R.P.C.L.I.S) | | Mar'17 | | Sep'18 | Mar'20 | 219.28 | 182.73 | 0.84 | - | - | 100% | | 196.908 | | | | | Part Capitalisation | 2020000134 | '0202001724 | |
| 14 | L-16-04 | Extn of 132 kV Supply to Kanakapur PCL | | May'17 | | Mar'19 | Nov'18 | 31.00 | 18.93 | 0.30 | - | - | 100% | | | | | | | Part Capitalisation | 2020000367 2019000658 2019000663 2019000367 | 0202001153 0202001154 020200079 0202000802 0202000801 | |
| 15 | L-16-05 | Kaleshwaram Lift Irrigation Project | | Mar'17 | | Dec'18 | May'19 | 1638.46 | 1088.20 | 38.57 | - | - | 100% | | 108.7 | 2920 | 98 | | | Part Capitalisation | 2019000480 2019000482 2019000472 2019000483 2019000469 2019000444 2019000478 2019000481 2020000450 2021000363 2021000359 | 0202100330 0202100370 0202000787 0202000783 0202100068 0202000771 0202000766 0202000761 0202000758 0202000750 0202000732 | Exempted |
| 16 | L-17-01 (revised) | Chanaka - Korata Lift Irrigation Scheme | | Mar'17 | | Jun'18 | May'19 | 41.15 | 23.76 | -0.06 | - | - | 100% | | 20 | | 2 | | | Part Capitalisation | 2019000659 2019000661 2020000375 2019000662 | 0202001164 0202001167 0202000727 0202000716 0202000705 0202000700 | |
| 17 | L-17-03 | Lift Irrigation Scheme along Flood Flow Canal (FFC) | | Feb'18 | | Nov'18 | Jun'20 | 186.85 | 101.47 | -0.15 | - | - | 100% | | 74 | 240 | 12 | | | Part Capitalisation | 2021000073 2021000036 2020000633 2020000632 2021000044 2020000631 | 0202100072 0202000690 0202000695 0202000688 0202100073 0202100075 | |

| S. No. | SAP code | Name of the project | Investment approval date | Start Date | | Completion Date | | Approved cost as per Investment approval | Capitalization upto previous years (As per audited Financial Statements) | Capitalization claimed for the current year 21-22 | Means of Finance | | | Date of Capitalization | Addition to Transmission Network | | | Reasons for cost overrun | Reasons for time overrun | Whether part capitalization or Full Capitalization | Physical Completion Certificate | Financial Completion Certificate | Electrical Inspector Certificate |
|-----------------------------------|---------------|--|--------------------------|------------|--------|-----------------|--------|--|--|---|------------------|--------|--------|------------------------|----------------------------------|----------------|------------|--------------------------|--------------------------|--|--|--|----------------------------------|
| | | | | Schedule | Actual | Schedule | Actual | (Rs.in Crs) | (Rs.in Crs) | (Rs.in Crs) | Debt | Equity | Grants | | Lines (CkM) | Capacity (MVA) | Bays (No.) | | | | | | |
| 18 | L-17-04 | Package-14-Kaleshwaram LI Scheme | | Aug'18 | | Jan'19 | Nov'18 | 34.30 | 112.71 | 5.70 | - | - | 100% | | | | | | | Part Capitalisation | 2021000361 2021000360 2021000358 2021000302 2021000301 2021000299 | 0202100333 0202100332 0202100331 0202100369 0202100368 0202100367 | Exempted |
| 19 | L-17-05 | Diversion of 3 No's 220 kV Lines- Anjanagiri | | May'18 | | Nov'18 | Dec'20 | 18.23 | | 11.08 | - | - | 100% | | | | | | | Part Capitalisation | 2022000111 | 202200121 | |
| 20 | L-18-02 | 220/11 kv SS at Bheemghanpur | | Jun'18 | | Dec'18 | Aug'19 | 23.99 | 10.75 | 0.12 | - | - | 100% | | | 128.5 | 1 | | | | 2012000534 | 0202000397 | |
| 21 | L-18-03 | Thumilla LIS | | Jul'18 | | Dec'18 | Nov'18 | 28.17 | 16.85 | 0.00 | - | - | 100% | | | | | | | Part Capitalisation | 2020000473 2019000923 | 0202001656 0202001654 | |
| 22 | D-16-03 (new) | Ext'n of 132kV Supply to Dubbatanda BRLIS | | July'16 | | Oct'16 | Dec'16 | 30.84 | -0.07 | -0.01 | - | - | 100% | | | | | | | | | | |
| 23 | L-19-02 | Phase-III Godavari LIS | | Mar'20 | | Sep'20 | Mar'22 | 22.43 | | 0.89 | - | - | 100% | | 0.08 | 32 | 5 | | | Part Capitalisation | 2022000421 2022000422 2022000418 | 0202200382 0202200383 0202200367 | |
| TOTAL | | | | | | | | 4122.86 | 2795.13 | 128.69 | | | | | 589.63 | 5955.50 | 182.00 | | | | | | |
| LI works under CE/PRLIS (N I L) | | | | | | | | | | | | | | | | | | | | | | | |
| LIS GRAND TOTAL | | | | | | | | 4122.86 | 2941.96 | 190.11 | | | | | 668.77 | 6585.50 | 197.00 | | | | | | |

ANNEXURE -V
Format 1.1(d) INVESTMENTS

ABSTRACT OF ACTUAL INVESTMENTS (FY 2021-22)
400 KV SCHEMES

Year:2021-22

(Rs. in Crores.)

| Sl. No. | Code | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | |
|---------|---|--|---|--------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|--------|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-----------------|------------------|------------------------------------|---|--------------|------------------------|-----------------------------------|---|--------------|------------------------|-------------------------------------|---|--------------|------------------------|---------|---------------------------|
| | | Project Code* | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | Annual | | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Mortgage Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | | Percentage capitalisation |
| 1 | P-10-01 | APT/TS/SCCL(Jaipur)-Evacuation-400kV Quad D/C /F-INVST-42/2013 | Jaipur Power Transmission Scheme | Power Evacuation | Mar'2013 | Mar' 2021 | 686.42 | 20.59 | 61.59 | | | 73.79 | 842.39 | | | 763.49 | | | | REC | 0.00 | | | | 0.00 | | | | 25.72 | | | 100 | |
| 2 | S-14-02 | APT/TS/400kV Suryapet/F-INVST-28/2014 | Suryapet Power Transmission Scheme | System Improvement | Jul'2013 | Mar' 2021 | 1,426.53 | 42.80 | 144.80 | | | 153.35 | 1,767.48 | | | 1,317.27 | | | | REC | 0.00 | | | | -0.28 | | | | 11.55 | | | 100 | |
| 3 | S-14-01 | Lr.No.APERC/Secy/DD(Trans)/F: E-700-8/2014 dated 06.08.2014 | Reactor Scheme - II | System Improvement | Sep'2016 | Mar' 2020 | 80.74 | -- | -- | | -- | -- | 80.74 | | | 48.27 | | | | PSDF | 0.00 | | | | 0.00 | | | | 1.23 | | | 100 | |
| 4 | P-15-01 | TST / TS / 400kV Dindi Substation /Trans. improvement scheme /Invest. Approval No.16/15, Dt.02.01.2016 | Dindi System Improvement Scheme | System Improvement | Nov' 2015 | Mar' 2022 | 251.97 | 7.56 | 27.08 | | | 34.92 | 321.53 | | | 273.55 | | | | REC | 0.00 | | | | 5.10 | | | | 65.50 | | | | |
| 5 | P-15-04,S | TST / TS / KTPS VII STAGE (1x800MW)/POWER TRANSMISSION/INVEST. APPROVAL/Revised approval 17/17 , 2017-18, dec'2017 | KTPS 1x800Mw, VII stage Power Evacuation scheme | Power Evacuation | Jul'2015 | Mar'2022 | 1,150.31 | 34.17 | 105.61 | | | 122.43 | 1,412.52 | | | 1170.58 | | | | PFC | 7.00 | | | | 11.59 | | | | 893.52 | | | | |
| 6 | S-15-13 | TST/TS/765kV Wardha -Hyderabad Link Transmission scheme- investment proposal revised approval NO 16/17-2017-18 Dt.19.12.2017 | 765kV Wardha -Hyderabad Link Transmission scheme | System Improvement | Nov' 2015 | Mar'2022 | 1,037.70 | 30.82 | 100.08 | | | 110.45 | 1,279.05 | | | 1001.65 | | | | PFC | 0.00 | | | | 9.99 | | | | 459.56 | | | | |
| 7 | A-15-11,A-15-10 | TST/TS/315 MVA PTR, Augmentation/DICHPALLY,V ELTOOR,Gajwel/ revised APPROVAL NO 03/17,2017-18 dated 04.05.2017 | Augmentation Scheme | System Improvement | Feb'2016 | Mar' 2020 | 95.59 | -- | -- | | -- | -- | 95.59 | | | 79.84 | | | | PFC | 0.00 | | | | 0.00 | | | | 4.57 | | | 100 | |
| 8 | P-15-03,S-12-23,S-15-20,S-15-21,S-15-22,S-15-25 | TST/TS/Bhadradi (4X270) MW Thermal power Transmission/ Investment Approval No17/15, Dt.02.01.2016 | Bhadradi Thermal Power Transmission Scheme 4 X 270 MW | Power Evacuation | Nov' 2015 | Mar'2022 | 1,055.78 | 31.67 | 103.41 | | | 113.496 | 1,304.36 | | | 1150.16 | | | | PFC | 0.00 | | | | 11.43 | | | | 91.31 | | | | |

| Sl. No. | Code | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | | |
|----------|---------------------------|--|---|--------------------|---------------------------------|---------------------------------------|-----------------------------|-------------|--------|--------|-------|----------------------|------------|--|-----------------------------------|---------------------------------|----------------|---------------------|--------------------|------------------------------------|---|--------------|-------------------------|-----------------------------------|--|---------------|--------------------------|-------------------------------------|--|---------------|--------------------------|---------|-----------------------------|--|
| | | Project Code* | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completi on date (DD-MM-YYYY) | Base Cost | Conti gency | IDC | Duties | Taxes | Expense capitalis ed | TOTAL COST | Interna l Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | Annual | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Inter est Rate | Mora torium Perio d | Repa yment Perio d | Loan Sourc e | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expen se | Perce ntage capita lisation | Actual investm ent in the year (Rs. Cr.) | IDC Incurr ed | Other expens e incurre d | Percent age capitali sation | Actual invest ment in the year (Rs. Cr.) | IDC Incurr ed | Other expen se incurre d | | Percent age capitali sation | |
| 9 | P-12-02, S-12-30, S-12-31 | TST/TS/400kV Nirmal Power Transmission Scheme-Power Evacuation from M/s. SCCL 2x600MW units and for upcoming 1x800MW units. /F.Revised approval/NO 07/2018-19 dated 19.07.2018 | Nirmal Power Transmission Scheme | Power Evacuation | Dec'2015 | Mar'2022 | 943.93 | 28.04 | 78.61 | | | 100.47 | 1,151.05 | | | 843.16 | | | | | REC | 24.00 | | | | 15.19 | | | | 244.42 | | | | |
| 10 | A-17-03 | TS/TST/Invest. Approval/PTR Augmentation/400kV Malkaram & Shankerpally No 11/2017, 17-18 dated 30.08.2017 | Augmentation Scheme-III | System Improvement | Dec'2017 | Mar'2020 | 74.44 | -- | -- | | -- | -- | 74.44 | | | 66.99 | | | | | REC | 0.00 | | | | 0.03 | | | | 1.46 | | | 100 | |
| 11 | S-17-08 | TST/TS/Rayadurg System Improvement Scheme.Approval/NO 02/2018-19 dated 24.05.2018 | Rayadurg System Improvement Scheme | System Improvement | Sep'2018 | Apr'2022 | 1,469.01 | 43.63 | 117.40 | | | 156.36 | 1,786.40 | | | 1778.26 | | | | | PFC | 220.00 | | | | 238.41 | | | | 1692.90 | | | | |
| 12 | P-16-01 | TS/TST/Investment approval/Telangana STPP-1 (2x800MW) NO, 10/2017 dated 23.08.2017 | Telangana STPP-I Power Evacuation | Power Evacuation | Oct'2017 | Mar'2022 | 1,013.61 | 30.11 | 105.26 | | | 107.88 | 1,256.86 | | | 1,131.17 | | | | | REC | 20.00 | | | | 27.58 | | | | 854.04 | | | | |
| 13 | P-12-04 | APT/TS/400kV & 220KV Wind Evacuation Phase-I/F.INVST-23/2014, DT:28.10.2013 | Wind Power Evacuation Scheme | Power Evacuation | Jan'2014 | Nov'2016 | | | | | | | 0.00 | | | 202.61 | | | | | REC | 0.00 | | | | 0.00 | | | | 0.67 | | | 100 | |
| 14 | | TST/TS/Yadradri Thermal Power Evacuation/Approval No.09/2019-20 | Yadradri Thermal Power Evacuation | Power Evacuation | Jan'2020 | Mar' 2024 | 1,887.67 | 56.07 | 209.70 | | | 200.91 | 2,354.35 | | | 2,212.91 | | | | | REC & PFC | 540.00 | | | | 920.92 | | | | 1034.52 | | | | |
| 15 | | TST/TS/KTPP SIS/Approval No.03/2019-20 | KTPP System Improvement Scheme | System Improvement | Jan'2020 | Mar' 2024 | 372.58 | 11.07 | 30.92 | | | 39.66 | 454.23 | | | 405.00 | | | | | PFC | 134.00 | | | | 108.79 | | | | 163.95 | | | | |
| 16 | | TST/TS/Reactor Scheme-III/Approval No. 04/2019-20 | Reactor Scheme - III | System Improvement | Jan'2020 | Mar'2023 | 201.44 | 5.98 | 20.92 | | | 21.44 | 249.78 | | | 158.72 | | | | | PSDF | 70.00 | | | | 28.01 | | | | 28.01 | | | | |
| 17 | A-11-01 | | 400kV Augmentation Scheme-II | | | | | | | | | | 0.00 | | | | | | | | TSTRANSOCO | 0.00 | | | | -0.16 | | | | -0.16 | | | 100 | |
| 18 | S-21-05 | | HVWS at 500MVA ICTs of 400kV SS | System Improvement | | | | | | | | | 0.00 | | | | | | | | TSTRANSOCO | 0.00 | | | | 0.64 | | | | 0.64 | | | | |
| DC Works | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | D-17-02 | | Execution of 2 Nos Feeder bays and 8 Nos Metering Bays at STPP,Jaipur | DC work | June'2017 | Mar'2019 | 28.21 | -- | -- | | -- | -- | 28.21 | | | NA | NA | NA | NA | Consumer Contribution | 0.00 | | | | 0.00 | NA | | | 1.13 | NA | | 100 | | |
| 2 | D-15-09 | | 2 Nos Bay Extensions at 400kV Dichpally SS | DC work | Feb'2016 | Feb'2017 | 16.12 | -- | -- | | -- | -- | 16.12 | | | NA | NA | NA | NA | Consumer Contribution | 0.00 | | | | -0.02 | NA | | | 2.90 | NA | | 100 | | |

| Sl. No. | Code | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | | | |
|---------|-------------|-----------------|---|-------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|---------|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|------------------|------------------|------------------------------------|---|--------------|-----------------------------------|---------------------------|---|--------------|-------------------------------------|---------------------------|---|--------------|---------|------------------------|---------------------------|--|
| | | Project Code* | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | Annual | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Mortuorim Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | | Other expense incurred | Percentage capitalisation | |
| 3 | D-18-02 | | Diversion of 400kV Gajwel-Shply TMDC Line | DC work | Aug'2018 | Oct'2018 | 6.06 | -- | -- | | -- | -- | 6.06 | | | NA | NA | NA | NA | Consumer Contribution | 0.00 | | | | 0.19 | NA | | | 2.41 | NA | | | 100 | |
| 4 | D-20-03 | | Diversion of 400kV Julurupadu-KTPS & KTPS-PGCIL Line) | DC work | Aug'2020 | Aug'2021 | 17.58 | -- | -- | | -- | -- | 17.58 | | | NA | NA | NA | NA | Consumer Contribution | 0.00 | | | | 7.16 | NA | | | 21.88 | NA | | | 100 | |
| | GRAND TOTAL | | | | | | 11815.70 | 342.50 | 1105.38 | | | | 14,498.73 | | | | | | | | 1015.00 | | | | 1384.57 | | | | 5601.73 | | | | | |

1.1d ACTUAL EXPENDITURE DURING FY 2021-22
220KV & 132KV SCHEMES

Form 1.1d: INVESTMENTS
220KV & 132KV SCHEMES
Year:2021-22

(Rs. in Crores.)

| SL. No. | Project Details | | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 Annual | | | | Investments incurred in FY2021-22 Annual | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | |
|---------|-----------------|--|--|--------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|-------|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|---|---|--------------|-------------------------|--|---|--------------|-------------------------|-------------------------------------|---|--------------|------------------------|---------|---------------------------|
| | Scheme IDs | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expenses | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expenses incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | | Percentage capitalisation |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | | | | | | | | | | | | | |
| Schemes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | S-02-03 | CRN:APT/TS/ 132/33kV SS / F.INVST - 37/2003 | Erection of 132/33 kV substation at Khanapur along with connected line from Akkapur to proposed 132/33 kV Khanapur substation in Adilabad district | System Improvement | 26.02.2009 | 09.09.2013 | 17.62 | -- | -- | | -- | -- | 17.62 | | | | | | | TSTRANSCO | | | | | 0.27 | | | | 0.27 | | | | |
| 2 | S-07-03 | | Erragadda and O.U GIS &Cables scheme | System Improvement | 27.12.2011 | 31.03.2020 | 437.70 | 13.13 | 43.77 | | 26.26 | 47.05 | 567.92 | | | 415.00 | | | | PFC | | | | | 0.21 | | | | 5.91 | | | | |
| 3 | S-07-04 | | TWIN CITIES TRANSMISSION SYSTEM & 132 kV SS NIMS & connected lines & erection of 220/132 kV substations at Gunrock, Imilibun (GIS) & Hayathnagar and 132 kV GIS Substations at Moosarambagh, Miralam Filter bed, Patigadda, Balkampet and with connected Under Ground XLPE Cables – Under Modernization and Strengthening of Hyderabad Metropolitan area | System Improvement | 01.08.2014 | 31.03.2022 | 76.84 | 2.30 | 8.83 | | 0.61 | 8.49 | 97.08 | | | 85.36 | | | | JICA | | | | | 0.43 | | | | 4.80 | | | | |
| | | | | | 01.08.2014 | 31.03.2022 | 11.75 | 0.35 | 1.18 | | 0.71 | 1.26 | 15.25 | | | 11.40 | | | | | | | | | | | | | | | | | |
| 4 | S-08-08 | CRN.No./TST/TS/220-132 kV GIS- Hyd/F. Invst./99/2019, Dt:20.02.2009 | 132/33 kV Narayanaguda GIS Sub-station | System Improvement | 31.05.2013 | 08.12.2017 | 130.19 | 3.91 | 13.02 | | 7.81 | 14.00 | 168.92 | | | 31.19 | | | | PFC | | | | | 0.09 | | | | 6.99 | | | | |
| 5 | S-08-11 | APT/TS/132 kV SS- Mamidipalli/ F-INVST - 12/2013 | 132 kV SS Mamidipally & connected lines | System Improvement | 26.06.2009 | 31.03.2016 | 21.92 | -- | -- | | -- | -- | 21.92 | | | 19.72 | | | | PFC | | | | | 0.21 | | | | 2.62 | | | | |
| 6 | S-08-14 | APT/TS/220/33 KV- Singotam x Roads//F- INVST-20/2011 | Erection of 220/33 kV SS at Singotam 'X' Roads, instead of erection of 132/33 kV substation at Singotam 'X' Roads, Kollapur Mandal in Mahabubnagar district along with connected lines | System Improvement | 12.02.2011 | 31.03.2020 | 17.64 | 0.53 | 2.12 | | 1.10 | 1.90 | 23.29 | | | -- | | | | Syndicate Bank | | | | | 0.03 | | | | 0.32 | | | | |
| 7 | S-10-05 | CRN: APT/TS/ 132kV SS Atipamula/ F. INVST - 13/2011 | Erection of 132/33 kV Substation at Atipamula (V) / Nakrekal, Kattanguru(M) in Nalgonda district | System Improvement | 28.04.2010 | 21.03.2013 | 12.93 | -- | -- | | -- | -- | 12.93 | | | 11.64 | | | | UCO Bank | | | | | 0.02 | | | | 0.02 | | | | |
| 8 | S-10-06 | CRN.No.TST/TS/132 KV SS Borabattal/F. INVST- 24/2011, dt:21.03.2011 | 132/33 kV Substation at Borapatla in Medak district along with connecting 132 kV and 33 kV lines | System Improvement | 20.08.2011 | 30.10.2017 | 12.83 | 0.38 | 1.28 | | 0.77 | 1.38 | 16.65 | | | 36.75 | | | | NABARD | | | | | 0.04 | | | | 0.29 | | | | |
| 9 | S-10-10 | CRN:- APT/TS/132kV SS- Ghanapur/F-INVST- 13/2012 | Erection of 132/33 kV Substation at Ghanapur in Mahaboobnagar district | System Improvement | 20.09.2010 | 08.12.2014 | 10.40 | -- | -- | | -- | -- | 10.40 | | | -- | | | | REC | | | | | 0.40 | | | | 0.40 | | | | |
| 10 | S-10-13 | APT/TS/132kv SS- LGM Peta/F-INVST-17/2012 (Revised approval awaited) | Erection of 132/33KV SS LGM Pet | System Improvement | 16.09.2011 | 18.08.2016 | 35.51 | -- | -- | | -- | -- | 35.51 | | | 14.79 | | | | UCO Bank | | | | | 0.25 | | | | 36.59 | | | | |

| SL. No. | Project Details | | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | | Remarks | |
|---------|-----------------|---|---|--------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|------|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|------------------------------------|---|--------------|-------------------------|-----------------------------------|---|--------------|-------------------------|-------------------------------------|---|--------------|-------------------------|---------------------------|---------|--|
| | Scheme IDs | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expenses | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expenses incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expenses incurred | Percentage capitalisation | | |
| 11 | S-10-17 | P.No.28/APERC/Secy/Dir/Engg/E725/2013, Dt:06-05-2013 | 132/33 KV Substation at N V Puram in Khammam District | System Improvement | 07.08.2016 | 24.06.2019 | 19.95 | 0.60 | 1.99 | | 1.25 | 2.14 | 25.93 | | | 10.55 | | | | | REC | | | | | 0.16 | | | | 26.91 | | | | |
| 12 | S-10-20 | APT/TS/220 kv - SW.Stn / F-INVST - 2/2013 | 220 kv Switching Station at Thimmajipeta & connected lines | System Improvement | 30.09.2013 | 01.03.2016 | 74.76 | -- | -- | | -- | -- | 74.76 | | | 67.46 | | | | | PFC | | | | | 0.01 | | | | 79.50 | | | | |
| 13 | S-10-22 | | Erection of 33KV features at Vikarabad | System Improvement | 01.05.2014 | 01.03.2022 | 4.47 | | | | | | 4.47 | | | | | | | | TSTRANS CO | | | | | 0.10 | | | | 0.10 | | | | |
| 14 | S-11-07 | APT/TS/132kv SS- Alwalpad/F-INVST-41/2013 | 132 kv SS Ganganpalli (Alwalpadu) & connected lines | System Improvement | 26.10.2015 | 23.08.2018 | 13.59 | 0.24 | 1.47 | | 0.00 | 0.87 | 16.17 | | | 12.95 | | | | | PFC | | | | | 0.39 | | | | 0.87 | | | | |
| 15 | S-11-09 | APT / TS / 132 KVSS- Chippapally / F- INVST/31/2013. | Erection of 132/33 kv Substation at Chippapally in Karimnagar district along with connected lines | System Improvement | 20.01.2016 | 21.12.2015 | 28.40 | 0.85 | 3.41 | | 1.78 | 3.05 | 37.49 | | | | | | | | NABARD | | | | | 0.40 | | | | 0.40 | | | | |
| 16 | S-11-11 | CRN.No.TST/TS132 kv SS Donthanpalli/F-INVST-06/2013/Dt:08.10.2014 | 132 kv DC line from the proposed 220/132/33 kv SS Parigi to 132/33 kv SS Dharmasagar (132/33 kv Substation at Donthanpalli) | System Improvement | 13.12.2016 | 31.03.2023 | 15.95 | 0.48 | 1.59 | | 1.00 | 1.71 | 20.73 | | | 19.26 | | | | | REC | | | | | 3.5 | | | | 20.11 | | | | |
| 17 | S-11-13 | APT/TS/132kv SS- Doulthabad/F-INVST-38/2013 | erection of 132/33 kv Substation at Doulthabad in Medak district along with connected 132 kv & 33 kv lines | System Improvement | 10.06.2011 | 10.02.2017 | 18.17 | 0.55 | 2.18 | | 1.14 | 1.95 | 23.98 | | | 18.77 | | | | | REC | | | | | 0.02 | | | | 0.02 | | | | |
| 18 | S-11-16 | CRN.No.APT/TS/220/132 kv SS-Huzurnagar/F- INVST-01/2014/Dt:20.04.2013 | 220/132/33 kv substation at Huzurnagar in Nalgonda District | System Improvement | 31.10.2013 | 10.12.2018 | 45.75 | 1.37 | 5.49 | | 2.86 | 4.92 | 60.39 | | | 62.65 | | | | | PFC | | | | | 0.00 | | | | 14.34 | | | | |
| 19 | S-11-19 | CRN:APT/TS/ 132 kv SS Kathlapur / F.INVST - 09/2014. | erection of 132/33 kv Substation at Kathlapur in Karimnagar district along with connected 132 kv & 33 kv lines | System Improvement | 21.11.2011 | 11.01.2018 | 9.40 | 0.28 | 0.85 | | 2.63 | 1.01 | 14.17 | | | | | | | | TMB | | | | | 0.00 | | | | 0.00 | | | | |
| 20 | S-11-26 | APT/TS/132kv SS- Munugodu/F-INVST-08/2014 | 132kv SS Munugodu & connected lines | System Improvement | 13.06.2016 | 05.10.2017 | 17.31 | 0.25 | 1.85 | | 0.00 | 0.91 | 20.32 | | | 16.14 | | | | | REC | | | | | 0.00 | | | | 0.20 | | | | |
| 21 | S-11-27 | CRN.No.TST/TS/132 KVSS/Nellikoduru/F.Invest. 07/2014 | 132/33 kv Substation at Nellikoduru in Warangal district along with connected 132 kv & 33 kv lines | System Improvement | 21.07.2016 | 04.01.2018 | 17.68 | 0.53 | 1.77 | | 1.06 | 1.90 | 22.93 | | | 17.85 | | | | | REC | | | | | 0.27 | | | | 0.63 | | | | |
| 22 | S-11-28 | P.No.28/APERC/Secy/Dir/Engg/E725/2013, Dt:06-05-2013 | 132/33 kv SS at Nimmapalli with connected line in Karimnagar Dist | System Improvement | 23.03.2018 | 29.04.2021 | 18.47 | 0.25 | 1.97 | | 0.06 | 0.91 | 21.67 | | | 17.73 | | | | | REC | | | | | 0.93 | | | | 15.74 | | | | |
| 23 | S-11-30 | CRN:APT/TS/220/132kv Parigi/ F.INVST-1/2013 Dt:11.05.2012 | 220/132 kv substation at Parigi in Ranga Reddy district | System Improvement | 09.08.2011 | 04.03.2016 | 40.00 | 1.20 | 3.60 | | 11.20 | 4.30 | 60.30 | | | 54.27 | | | | | REC | | | | | 0.05 | | | | 0.05 | | | | |
| 24 | S-11-35 | P.No.28/APERC/Secy/Dir/Engg/E725/2013, Dt:06-05-2013 | shifting of 132kv SS Wadapally by erection of 132/33 kv SS at Wadapally(New) in place of existing Wadapally SS and 132kv LILO arrangements to 132/33kv SS Wadapally(New) in Nalgonda district | System Improvement | 17.06.2015 | 18.06.2016 | 7.60 | 0.23 | 0.68 | | 2.13 | 0.82 | 11.46 | | | 4.40 | | | | | REC | | | | | 0.42 | | | | 0.42 | | | | |

| SL. No. | Scheme IDs | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | | |
|---------|------------|--|---|--------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|------|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-----------------|------------------|------------------------------------|---|--------------|------------------------|-----------------------------------|---|--------------|------------------------|-------------------------------------|---|--------------|------------------------|---------|---------------------------|--|
| | | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Mortgage Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | | Percentage capitalisation | |
| 25 | S-11-37 | P.No.28/APERC/Secy/Dir/Engg/E7/25/2013, Dt:06-05-2013 | 132/33 kV Substation at Shad Nagar (V) Hamlet of Wattipally in Medak District | System Improvement | 09.09.2015 | 31.03.2022 | 15.89 | 0.48 | 1.59 | | 0.95 | 1.71 | 20.62 | | | 19.06 | | | | | REC | | | | | -0.22 | | | | 0.38 | | | | |
| 26 | S-11-39 | APT/TS/132kV SS-Yerrabelli/F-INVST-39/2013 | 132 kv SS Yerrabelli(V), Nidmanoor(M) & connected lines | System Improvement | 18.09.2015 | 03.10.2021 | 13.71 | -- | -- | | -- | -- | 13.71 | | | 13.71 | | | | Dena Bank | | | | | 0.00 | | | | 13.32 | | | | | |
| 27 | S-12-01 | APT/TS/220KV-SS-Kosgi/F-INVST-50/2013 | 220 kV features at proposed 132/33 kV Kosigi SS in Mahaboobnagar district | System Improvement | 07.08.2014 | 04.07.2016 | 43.54 | 1.31 | 4.35 | | 2.61 | 4.68 | 56.50 | | | 46.57 | | | | REC | | | | | 0.03 | | | | 1.01 | | | | | |
| 28 | S-12-02 | TST/TS/132/33kV SS Arempula / F-INVST-12/2015 | 132KV Arempula & connected lines | System Improvement | 06.06.2016 | 10.08.2017 | 21.53 | -- | -- | | -- | -- | 21.53 | | | 19.37 | | | | Tamilnadu Mercantile bank | | | | | -0.15 | | | | 16.94 | | | | | |
| 29 | S-12-05 | P.No.28/APERC/Secy/Dir/Engg/E7/25/2013, Dt:06-05-2013 | erection of 33 kV features at Jankampet 132/11 kV Lift irrigation substation in Nizamabad district | System Improvement | 01.11.2016 | 06.12.2018 | 4.18 | -- | -- | | -- | -- | 4.18 | | | 7.54 | | | | REC | | | | | 0.16 | | | | 4.61 | | | | | |
| 30 | S-12-06 | P.No.28/APERC/Secy/Dir/Engg/E7/25/2013, Dt:06-05-2013 | erection of 2nd circuit stringing on existing 220 kV DC/SC line from 220 kV Ramagundam Sub-Station to 220 kV Mandamarri (Bellampally) Sub-Station | System Improvement | 01.10.2014 | 31.03.2019 | 10.49 | 0.04 | 1.07 | | - | 0.14 | 11.74 | | | 9.16 | | | | REC | | | | | 0.11 | | | | 0.21 | | | | | |
| 31 | S-12-09 | APT/TS/132/Yeddumailaram /F-INVST-27/2013 | 132 KV DC/SC inter linking lines between substations 220 KV Yeddumailaram-132 KV Pashmailaram | System Improvement | 01.12.2018 | 27.09.2022 | 9.09 | 0.05 | 0.93 | | 0.00 | 0.18 | 10.24 | | | 9.22 | | | | NABARD | | | | | 7.00 | | | | 8.67 | | | | | |
| 32 | S-12-10 | TST/TS/132kV / MD Pally, Kattedan /F-INVST-03/2016 | 132 kv SS MD Pally (Kattedan) & connected lines | System Improvement | 05.08.2015 | 25.09.2017 | 52.67 | 0.76 | 5.79 | | 1.70 | 2.77 | 63.69 | | | 33.86 | | | | PFC | | | | | 0.00 | | | | 0.26 | | | | | |
| 33 | S-12-11 | TST/TS/132/33kV SS Munagala / F-INVST-13/2015 | 132kV SS Munagala(V&M) & connected lines | System Improvement | 20.06.2016 | 22.12.2017 | 33.88 | 0.35 | 3.55 | | 0.07 | 1.24 | 39.09 | | | 30.95 | | | | REC | | | | | 0.00 | | | | 1.83 | | | | | |
| 34 | S-12-13 | CRN.No. APT/TS/132 KVSS-palakurthy/F.Invest. 16/2013 | 132/33 kV Substation at Palakurthy in Warangal district along with connected 132 kV & 33 kV lines | System Improvement | 12.11.2015 | 29.07.2016 | 16.36 | 0.49 | 1.64 | | 0.98 | 1.76 | 21.22 | | | 19.11 | | | | TMB | | | | | 0.00 | | | | 0.14 | | | | | |
| 35 | S-13-02 | TST/TS / 220/132 kV SS Ayyagaripally, Mahabubabad /F-INVST-03/16 - 2016-17 | 220/132 kV SS at Ayyagaripally in Mahabubabad in Warangal district | System Improvement | 02.03.2016 | 31.03.2021 | 78.33 | -- | -- | | -- | -- | 78.33 | | | 68.90 | | | | REC | | | | | 0.00 | | | | 25.38 | | | | | |
| 36 | S-13-03 | CRN.No. APT/TS/220 KVSS -Bonguluru/F.Invest. 27/2014 | 220/132/33kV SS at Bonguloor in RR District | System Improvement | 01.06.2014 | 31.10.2015 | 56.81 | 2.13 | 6.34 | | 0.04 | 4.41 | 69.74 | | | -- | | | | NABARD | | | | | 0.33 | | | | 27.85 | | | | | |
| 37 | S-13-10 | TST/TS/132kV / Kachapur SS/F-INVST- 17/2016 | 132/33kV SS Kachapur & connected lines | System Improvement | 22.09.2015 | 04.05.2018 | 19.92 | 0.33 | 1.89 | | 0.08 | 1.20 | 23.42 | | | 21.53 | | | | REC | | | | | 0.54 | | | | 1.11 | | | | | |
| 38 | S-13-11 | TST/TS/132 kV SS-Kandukuru/ F-INVST-05/2015 | 132 kv SS Kandukuru & connected lines | System Improvement | 09.09.2016 | 31.03.2023 | 21.44 | 0.28 | 2.28 | | 0.00 | 1.03 | 25.03 | | | 20.06 | | | | REC | | | | | 2.13 | | | | 17.72 | | | | | |
| 39 | S-13-14 | CRN.No./TST/TS/220/132 KV Substation /Sirilla /F.Invest./ App./08/2015 | 220/132 kV SS at Sirilla in Karimnagar District | System Improvement | 22.12.2015 | 15.12.2016 | 72.76 | 2.18 | 7.28 | | 4.37 | 7.82 | 94.40 | | | 60.00 | | | | REC | | | | | 0.00 | | | | 2.22 | | | | | |

| SL. No. | Scheme IDs | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | | Remarks | |
|---------|------------|--|--|--------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|------|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|------------------------------------|---|--------------|-------------------------|-----------------------------------|---|--------------|-------------------------|-------------------------------------|---|--------------|------------------------|---------------------------|---------|--|
| | | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expenses | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expenses incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | | |
| 40 | S-14-03 | TST/TS/132 kV SS- 220 kV Toopran, 132 kV Ganeshpally & 132 kV Duddeda SS / F-INVST-07/2015 | 132/33 kV Substation at Duddeda in Medak District along with connected lines | System Improvement | 31.07.2015 | 02.09.2016 | 24.60 | -- | -- | | -- | -- | 24.60 | | | 19.06 | | | | | REC | | | | | 0.02 | | | | 22.49 | | | | |
| 41 | S-14-12 | APT/TS/132 KV SS Kaithlapur/F-INVST-4/2014 | 132 KV substation Khaithalapur aong with connected lines | System Improvement | 05.07.2016 | 27.08.2019 | 63.52 | 0.50 | 5.09 | | 0.15 | 1.87 | 71.13 | | | 59.09 | | | | | REC | | | | | 0.98 | | | | 55.02 | | | | |
| 42 | S-15-01 | P.No.28/APERC/Secy/Dir/Engg)/E725/2013, Dt:06-05-2013 | Providing second source of supply to 132/33 kV Sub-Station, Lalgadi Malakpet in Shameerpet Mandal of Ranga Reddy District | System Improvement | 20.10.2015 | 31.03.2022 | 7.03 | 0.06 | 0.73 | | 0.02 | 0.20 | 8.04 | | | 6.20 | | | | | PFC | | | | | 0.90 | | | | 10.09 | | | | |
| 43 | S-15-02 | TST/TS/ 132/33 kV Aswaraopet SS Up-Gradation to 220/132 kV / F-INVST- 7/2015 | Up-Gradation of 132/33 kV SS Aswaraopet to 220/132 kV SS | System Improvement | 18.01.2017 | 28.04.2018 | 50.22 | 0.52 | 4.65 | | 0.19 | 1.88 | 57.47 | | | 42.55 | | | | | PFC | | | | | -0.17 | | | | 3.59 | | | | |
| 44 | S-15-03 | P.No.28/APERC/Secy/Dir/Engg)/E725/2013, Dt:06-05-2013 | 132/33 kV Substation at Chandulapur Village of Chinnakodur Mandal in Medak District along with connected lines | System Improvement | 27.04.2016 | 06.10.2017 | 15.21 | 0.46 | 1.52 | | 0.91 | 1.63 | 19.73 | | | 30.56 | | | | | REC | | | | | -0.01 | | | | 0.14 | | | | |
| 45 | S-15-04 | P.No.28/APERC/Secy/Dir/Engg)/E725/2013, Dt:06-05-2013 | 132/33 kV Sub-Station at Jangapally of Bejjanki Mandal in Karimnagar District. | System Improvement | 03.03.2018 | 31.12.2022 | 18.28 | 0.31 | 1.74 | | 0.07 | 1.12 | 21.53 | | | 16.68 | | | | | PFC | | | | | -0.07 | | | | 12.67 | | | | |
| 46 | S-15-05 | CRN TST/TS/132 KVSS - Kondapur/F.Invest.06/2015 | erection of 132/33 kV Substation at Kondapur Village of Dhanwada Mandal in Mahaboobnagar District along with connected lines | System Improvement | 23.03.2017 | 31.03.2023 | 22.88 | 0.35 | 1.89 | | - | 1.26 | 26.38 | | | 21.71 | | | | | REC | | | | | 0.00 | | | | 7.72 | | | | |
| 47 | S-15-06 | P.No.28/APERC/Secy/Dir/Engg)/E725/2013, Dt:06-05-2013 | Providing of alternate supply to 132 /33 kV SS Chennur and 132/33 kV SS Kataram from 220/132 kV SS, Manthani under the program for providing 9.00 Hrs Day Time Supply for Agriculture. | System Improvement | 07.02.2018 | 31.03.2023 | 11.92 | 0.04 | 1.21 | | 0.02 | 0.15 | 13.34 | | | 10.92 | | | | | REC | | | | | 2.51 | | | | 7.63 | | | | |
| 48 | S-15-08 | P.No.28/APERC/Secy/Dir/Engg)/E725/2013, Dt:06-05-2013 | Erection of 132 kV DC line for making LILO of one circuit of existing 132kV DC line from 132 KV SS Jakora to 132 KV SS Bichkunda at 132/33 kV SS Banswada under the program for | System Improvement | 01.11.2016 | 29.12.2017 | 8.00 | -- | -- | | -- | -- | 8.00 | | | 6.53 | | | | | PFC | | | | | 0.01 | | | | 8.43 | | | | |
| 49 | S-15-10 | CRN.No.TST/TS/132/33 KVSS/Narayanpet, Mahabubnagar/Invest.Apprt.No.5/16,2016-17 | 132/33 kV Substation at Narayanpet in Mahabubnagar District along with connected 132 kV & 33 kV lines | System Improvement | 21.09.2016 | 28.12.2017 | 17.69 | 0.53 | 1.77 | | 1.06 | 1.90 | 22.95 | | | 34.98 | | | | | REC | | | | | -0.01 | | | | 0.69 | | | | |
| 50 | S-15-12 | P.No.28/APERC/Secy/Dir/Engg)/E725/2013, Dt:06-05-2013 | Erection of 132/33 kV Sub-Station at Gandimasanipet of Yellareddy Constituency in Nizamabad District. | System Improvement | 25.07.2016 | 25.09.2021 | 15.89 | -- | -- | | -- | -- | 15.89 | | | 13.40 | | | | | PFC | | | | | 0.00 | | | | 6.50 | | | | |
| 51 | S-15-29 | P.No.28/APERC/Secy/Dir/Engg)/E725/2013, Dt:06-05-2013 | Erection of 132 kV line for making LILO of both of the circuits of existing 132 KV Husnabad-Huzurabad DC line at 220/132 kV LI Substation Huzurabad and Erection of 1 No. 100 MVA additional PTR at 220/132 kV LI SS, Huzurabad with equipment totalling to 2 X 100 MVA. | System Improvement | 11.11.2016 | 31.03.2022 | 17.17 | 0.16 | 1.80 | | 0.10 | 0.57 | 19.80 | | | 0.00 | | | | | REC | | | | | 0.00 | | | | 0.73 | | | | |

| SL. No. | Scheme IDs | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | | |
|---------|------------|--|---|--------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|-------|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|------------------------------------|---|--------------|------------------------|-----------------------------------|---|--------------|------------------------|-------------------------------------|---|--------------|------------------------|---------|---------------------------|--|
| | | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | | Percentage capitalisation | |
| 52 | S-15-31 | CRN.No.TST/TSAsifnagar SS alternatesource of supply/Invest.App.06/2015 | erection of 2nd circuit from 220kV Shivarampally SS to 132kV Asifnagar SS for providing 2nd source of supply to 132kV Asifnagar substation | System Improvement | 16.02.2018 | 31.05.2019 | 43.80 | 0.41 | 4.05 | | 0.30 | 1.47 | 50.02 | | | 41.36 | | | | | REC | | | | | -0.03 | | | | 21.05 | | | | |
| 53 | S-15-32 | TST/TS/ 220 kV Pedagogati SS / Investment approval No. 19/16-2016 | Erection of 220/132/33 kV SS at Pedagogati in Khammam district | System Improvement | 27.02.2017 | 01.12.2018 | 120.24 | 0.85 | 10.95 | | 0.31 | 3.04 | 135.39 | | | 121.25 | | | | | REC | | | | | 0.40 | | | | 3.40 | | | | |
| 54 | S-15-33 | P.No.28/APERC/Secy/Dir/Engg/E/725/2013, Dt:06-05-2013 | 132/33 kV SS at Sarangapur in Adilabad District | System Improvement | 04.04.2018 | 31.01.2022 | 18.42 | 0.31 | 1.87 | | 0.07 | 1.12 | 21.80 | | | 17.66 | | | | | REC | | | | | 0.43 | | | | 14.06 | | | | |
| 55 | S-15-34 | CRN.No.TST/TS/Erection of 220 KV DC line Gajwel/Siddipet/Invest.App. 04/17-2017-18 | 220 KV D/C Line from 400KV GAJWEL-SIDDIPET | System Improvement | 05.12.2017 | 31.03.2023 | 37.85 | 0.05 | 3.81 | | 0.02 | 0.18 | 41.92 | | | 74.97 | | | | | REC | | | | | 5.84 | | | | 51.93 | | | | |
| 56 | S-15-38 | P.No.28/APERC/Secy/Dir/Engg/E/725/2013, Dt:06-05-2013 | Erection of 132 kV lines for making LILO of (i) 2nd Circuit of 132kV Warangal – Shapur nagar DC line at 132kV SS Jangaon and (ii) 2nd Circuit of 132kV Warangal – Shapur nagar DC line at 132kV SS Kolanpak | System Improvement | 10.03.2017 | 31.03.2023 | 8.15 | 0.05 | 0.84 | | 0.02 | 0.16 | 9.22 | | | 7.02 | | | | | PFC | | | | | 0.28 | | | | 3.85 | | | | |
| 57 | S-16-07 | P.No.28/APERC/Secy/Dir/Engg/E/725/2013, Dt:06-05-2013 | Erection of 33 kV Features at existing 132 kV Switching Station, Kodandapur in Nalgonda District. | System Improvement | 01.04.2019 | 25.03.2019 | 7.37 | 0.31 | 0.89 | | 0.09 | 1.12 | 9.79 | | | 8.01 | | | | | REC | | | | | 0.00 | | | | 0.31 | | | | |
| 58 | S-16-08 | P.No.28/APERC/Secy/Dir/Engg/E/725/2013, Dt:06-05-2013 | 33 kV Features at existing 220/11 kV LI Sub-Station, Bheemghanpur Warangal District. | System Improvement | 05.05.2017 | 08.07.2020 | 4.78 | 0.14 | 0.57 | | 0.30 | 0.51 | 6.30 | | | 16.31 | | | | | PFC | | | | | 0.24 | | | | 9.48 | | | | |
| 59 | S-16-09 | CRN.No.TST/TS/220/132/33 kV SS, Regonda, Warangal, Dist./Invest.App.No.8/17,2016-17 | 132/33 kV Sub-Station at Regonda in Warangal District. | System Improvement | 07.02.2018 | 05.12.2018 | 20.51 | 0.33 | 1.95 | | 0.07 | 1.20 | 24.06 | | | 19.07 | | | | | PFC | | | | | -0.13 | | | | 0.87 | | | | |
| 60 | S-16-11 | P.No.28/APERC/Secy/Dir/Engg/E/725/2013, Dt:06-05-2013 | 132/33 kV Substation at Bachannapet in Warangal District | System Improvement | 20.04.2017 | 31.10.2019 | 18.11 | 0.26 | 1.94 | | 0.06 | 0.95 | 21.32 | | | 16.71 | | | | | PFC | | | | | 0.41 | | | | 11.47 | | | | |
| 61 | S-16-12 | P.No.28/APERC/Secy/Dir/Engg/E/725/2013, Dt:06-05-2013 | 132/33 kV SS at Kotagiri with connected line & Bay in Nizamabad District | System Improvement | 06.06.2018 | 12.05.2022 | 13.85 | 0.24 | 1.51 | | 0.08 | 0.87 | 16.56 | | | 12.98 | | | | | PFC | | | | | 3.28 | | | | 13.93 | | | | |
| 62 | S-16-13 | P.No.28/APERC/Secy/Dir/Engg/E/725/2013, Dt:06-05-2013 | 132/33 kV SS with connected line at Tallapet in Adilabad District. | System Improvement | 01.04.2020 | 31.03.2024 | 15.59 | 0.40 | 1.46 | | 0.18 | 0.43 | 18.05 | | | 0.15 | | | | | REC | | | | | 0.30 | | | | 0.30 | | | | |
| 63 | S-16-14 | TST/TS/ 220132/33 kV / Substation, Borampet RR District/ INVEST- No. 07/16 - 2016-17 | 220/132/33 kV Substation at Borampet in Ranga Reddy district | System Improvement | 28.11.2016 | 31.03.2023 | 196.49 | 3.34 | 20.37 | | 0.38 | 11.99 | 232.57 | | | 182.98 | | | | | PFC | | | | | 56.38 | | | | 128.13 | | | | |

| SL. No. | Scheme IDs | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | | |
|---------|------------|--|--|--------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|------|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|------------------------------------|---|--------------|------------------------|-----------------------------------|---|--------------|------------------------|-------------------------------------|---|--------------|------------------------|---------|---------------------------|--|
| | | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | | Percentage capitalisation | |
| 64 | S-16-16 | P.No.28/APERC/Secy/Dir(Engg)/E725/2013, Dt:06-05-2013 | erection of 220/33 kV Sub-Station, at Domalapenta Village of Nagarkurnool District (erstwhile Mahaboobnagar District) | System Improvement | 05.03.2018 | 26.07.2019 | 12.55 | 0.32 | 1.42 | | 0.19 | 1.14 | 15.62 | | | 12.41 | | | | | PFC | | | | | 0.02 | | | | 11.06 | | | | |
| 65 | S-17-01 | CRN TS/TST/220/33 KV, GIS, Chanchaguda/Invest.Approval No.7/17-2017-18 | Erection of 220/33 kV Sub-Station at Chanchalguda | System Improvement | 28.02.2018 | 31.03.2021 | 78.65 | 2.28 | 8.19 | | - | 8.18 | 97.31 | | | 80.21 | | | | | REC | | | | | -0.68 | | | | 82.14 | | | | |
| 66 | S-17-03 | CRN TS/TST/132/33 KV, Moulali-ZTS SS, Investment Approval No.17/17, 2017-18 | 132/33 KV Sub-station at Moulali ZTS with connected UG cable & bay in Medchal-Malkajgiri District | System Improvement | 01.04.2019 | 30.07.2021 | 44.12 | 1.23 | 4.98 | | 0.16 | 4.26 | 54.76 | | | 44.47 | | | | | REC | | | | | 0.62 | | | | 44.03 | | | | |
| 67 | S-17-04 | P.No.28/APERC/Secy/Dir(Engg)/E725/2013, Dt:06-05-2013 | Administrative approval for erection of 132/33 KVSS Gachibowli in Ranga Reddy District. | System Improvement | 01.04.2019 | 22.09.2021 | 16.74 | 0.40 | 1.87 | | 0.16 | 1.43 | 20.60 | | | 16.52 | | | | | REC | | | | | 10.00 | | | | 20.42 | | | | |
| 68 | S-17-05 | CRN TS/TST/132/33 KV, GIS, Seetharambagh/Invest.Approval No.6/17-2017-18 | 132/33 KV Gas Insulated Sub-station (GIS) at Seetharambagh with connected UG cable & bay in Hyderabad District and connectivity from Asifnagar SS. | System Improvement | 01.04.2019 | 31.03.2023 | 56.31 | 1.59 | 6.36 | | 0.01 | 5.71 | 69.99 | | | 57.27 | | | | | REC | | | | | 1.22 | | | | 1.22 | | | | |
| 69 | S-17-06 | CRN TS/TST/132/33 KV, GIS, Petlaburz invest.Approval No.5/17-2017-18 | 132/33 kV Substation at PTO, Petlaburz, Hyderabad District | System Improvement | 02.03.2018 | 31.03.2023 | 35.43 | 0.98 | 3.99 | | 0.00 | 3.52 | 43.92 | | | 35.93 | | | | | REC | | | | | 1.38 | | | | 23.67 | | | | |
| 70 | S-17-09 | TST/TS/132 kV SS- 220 kV Toopran, 132 kV Ganeshpally & 132 kV Duddeda SS / F-INVST-07/2015 | 220/132/33 kV Substation at Toopran(meenaji pet) in Medak District along with connected lines | System Improvement | 27.01.2016 | 06.02.2020 | 60.80 | 1.82 | 6.08 | | 3.80 | 6.54 | 79.04 | | | 68.43 | | | | | REC | | | | | 2.81 | | | | 52.01 | | | | |
| 71 | S-17-11 | P.No.28/APERC/Secy/Dir(Engg)/E725/2013, Dt:06-05-2013 | 33 kV Features at existing 132/11 kV LI Sub-Station, CH. Kondur in Nizamabad District | System Improvement | 16.04.2018 | 01.10.2018 | 3.50 | 0.11 | 0.35 | | 0.21 | 0.38 | 4.54 | | | 3.67 | | | | | PFC | | | | | 0.20 | | | | 0.69 | | | | |
| 72 | S-17-12 | CRN TST/TS/132/33KV, Choppadandi, SS /Invest.Approval No.20/18-2017-18 | 132/33 kV SS with connected line at Choppadandi in Karimnagar Dist. | System Improvement | 06.06.2018 | 31.03.2024 | 21.18 | 0.34 | 2.51 | | 0.13 | 1.21 | 25.36 | | | 19.97 | | | | | PFC | | | | | 0.00 | | | | 0.12 | | | | |
| 73 | S-17-13 | P.No.28/APERC/Secy/Dir(Engg)/E725/2013, Dt:06-05-2013 | erection of 132/33 kV Sub-Station at Yadagirigutta Temple with connected line Town of Yadadri (erstwhile Nalgonda) District | System Improvement | 01.10.2018 | 11.12.2019 | 13.93 | 0.22 | 1.66 | | 0.13 | 0.79 | 16.72 | | | 13.16 | | | | | PFC | | | | | 0.26 | | | | 12.11 | | | | |
| 74 | S-17-14 | P.No.28/APERC/Secy/Dir(Engg)/E725/2013, Dt:06-05-2013 | Providing of 33 kV Features at upcoming 220/132 KV Sub-Station, Mahabubabad in Mahabubabad District | System Improvement | 31.10.2018 | 26.05.2021 | 6.63 | 0.18 | 0.85 | | 1.08 | 0.65 | 9.39 | | | 7.44 | | | | | REC | | | | | 0.90 | | | | 2.94 | | | | |
| 75 | S-17-15 | P.No.28/APERC/Secy/Dir(Engg)/E725/2013, Dt:06-05-2013 | erection of 132/33 kV Sub-Station at Chinna Shankarampet in Medak District | System Improvement | 01.04.2018 | 23.01.2021 | 13.31 | 0.25 | 1.76 | | 1.49 | 0.89 | 17.70 | | | 13.96 | | | | | REC | | | | | 0.21 | | | | 9.20 | | | | |

| SL. No. | Scheme IDs | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | | |
|---------|------------|--|---|--------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|-------|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|------------------------------------|---|--------------|------------------------|-----------------------------------|---|--------------|------------------------|-------------------------------------|---|--------------|------------------------|---------|---------------------------|--|
| | | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | | Percentage capitalisation | |
| 76 | S-17-16 | P.No.28/APERC/Secy/Dir(Engg)/E7/25/2013, Dt:06-05-2013 | 2nd CKT (30KM) on 132KV DC/SC line from existing 220/132KV SS Waddekothapally to existing 132/33KV SS Peddanagaram with Panther ACSR Conductor with connected bays | System Improvement | 01.04.2019 | 31.10.2021 | 6.74 | 0.03 | 0.70 | | 0.13 | 0.12 | 7.72 | | | 6.32 | | | | | REC | | | | | 0.57 | | | | 3.24 | | | | |
| 77 | S-17-18 | P.No.28/APERC/Secy/Dir(Engg)/E7/25/2013, Dt:06-05-2013 | feeding 132/33 kV SS Ghanpur through Ring Mains | System Improvement | 23.10.2018 | 31.03.2020 | 4.83 | 0.14 | 0.48 | | 0.29 | 0.52 | 6.27 | | | 5.07 | | | | | PFC | | | | | 0.23 | | | | 5.43 | | | | |
| 78 | S-17-19 | CRN No. TST/TS/Erection of 132/33 KV SS at Pitlam in Khammam Dist. Approval/No.04/2018-19 | 132/33 kV SS at Pitlam in Nizamabad District (13, dt.20.1.18) | System Improvement | 31.10.2018 | 31.03.2023 | 29.55 | 0.28 | 3.24 | | 1.71 | 1.02 | 35.80 | | | 31.80 | | | | | REC | | | | | 0.06 | | | | 0.11 | | | | |
| 79 | S-17-20 | P.No.28/APERC/Secy/Dir(Engg)/E7/25/2013, Dt:06-05-2013 | 132 KV DC/SC line from 220KVSS Chegur (Kothur) to existing 132KVSS Kothur | System Improvement | 01.04.2019 | 31.03.2023 | 5.27 | 0.04 | 0.57 | | 0.22 | 0.15 | 6.25 | | | 5.11 | | | | | REC | | | | | 0.03 | | | | 5.63 | | | | |
| 80 | S-17-21 | CRN No. TST/TS/Erection of 132/33 KV SS at Pammy in Khammam Dist. Approval/No.03/2018-19 | 132/33kV SS at Pammy in Khammam District (14, dt.20.1.18) | System Improvement | 01.04.2020 | 31.03.2024 | 18.47 | 0.30 | 1.73 | | 1.81 | 1.08 | 23.39 | | | 20.64 | | | | | REC | | | | | 1.72 | | | | 1.72 | | | | |
| 81 | S-17-23 | CRN TST/TS/220/ Switching Station/Mahaboobnagar/132 KV Features /Invest.Approval No.14/17-2017-18 | erection of 132 kV features at 220 kV Thimmajipet Switching Station in Mahaboobnagar District and extending connectivity to 132 kV Jadcherla Sub-Station from Thimmajipet | System Improvement | 01.04.2019 | 22.07.2022 | 24.43 | 0.73 | 2.44 | | 1.49 | 2.63 | 31.72 | | | 26.39 | | | | | REC | | | | | 11.04 | | | | 15.54 | | | | |
| 82 | S-18-01 | CRN No.TST/TS/Erection of 132/33 KV Substation at Peechara in Warangal District. Approval No. 05/2018-19 | 132/33 kV SS at Peechara in Warangal Dist. | System Improvement | 01.04.2020 | 31.03.2024 | 36.31 | 0.34 | 4.42 | | 2.06 | 1.23 | 44.36 | | | 39.10 | | | | | REC | | | | | 0.12 | | | | 0.12 | | | | |
| 83 | S-18-02 | CRN No. TST/TS/Erection of 220/132 kV Substation at Ammavaripet, Kazipet(M) in Warangal Urban District.F. Approval/ No.13/18/2018-19 | erection of 220/132 kV Sub-Station at Ammavaripet in Warangal-Urban District | System Improvement | 31.10.2018 | 31.03.2024 | 84.90 | 2.55 | 15.02 | | 15.28 | 9.13 | 126.88 | | | 87.24 | | | | | PFC | | | | | 45.03 | | | | 74.40 | | | | |
| 84 | S-18-03 | Proceedings No: 28/APERC/Secy/Dir(Engg)/E-725/2013, dated.06.05.2013 | 132/33kV SS at Padmanagar in Karimnagar District | System Improvement | 01.04.2019 | 31.03.2023 | 16.08 | 0.48 | 1.93 | | 1.00 | 1.73 | 21.22 | | | 16.33 | | | | | PFC | | | | | 9.39 | | | | 12.20 | | | | |
| 85 | S-18-04 | CRN No. TST/TS/Erection of 132/33 SS at Nagaram in Suryapet Dist. Approval/No.14/18/2018-19 | 132/33 KV SS Nagaram,Nalgonda District | System Improvement | 01.04.2019 | 27.03.2022 | 26.26 | 0.29 | 4.64 | | 1.74 | 1.04 | 33.97 | | | 26.15 | | | | | PFC | | | | | 7.52 | | | | 11.15 | | | | |
| 86 | S-18-06 | P.No.28/APERC/Secy/Dir(Engg)/E7/25/2013, Dt:06-05-2013 | 33 KV features at 132 KV Railway Traction Switching Station, Kothagudem, Kothagudem Bhadradi District | System Improvement | 01.04.2019 | 31.03.2024 | 7.00 | 0.19 | 0.90 | | 1.15 | 0.68 | 9.92 | | | 7.64 | | | | | PFC | | | | | 0.04 | | | | 0.04 | | | | |

| SL. No. | Project Details | | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | | Remarks | |
|---------------------|-----------------|--|--|--------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|--------|--------|--------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|------------------------------------|---|--------------|------------------------|-----------------------------------|---|--------------|------------------------|-------------------------------------|---|--------------|------------------------|---------------------------|---------|--|
| | Scheme IDs | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | | |
| 87 | S-19-03 | CRN/TST/TS/Erection of 132/33 KV SS at Patancheru in Sangareddy District. Approval /NO 05/2019-20 dt:22.11.2019- | 132 KV SS Patancheru in Medak District | System Improvement | 01.04.2020 | 31.03.2023 | 18.32 | 0.55 | 1.65 | | 1.14 | 1.97 | 23.63 | | | 20.85 | | | | REC | | | | | 9.21 | | | | 11.33 | | | | | |
| 88 | S-19-04 | P.No.28/APERC/Secy/Dir/Engg/E/725/2013, Dt:06-05-2013 | 33 kV Features at upcoming 220/132 KV Sub-Station, Ammavaripet in Kazipet (M), Warangal Urban (District)- | System Improvement | 01.04.2019 | 31.03.2023 | 6.28 | 0.19 | 0.57 | | 0.39 | 0.68 | 8.10 | | | -- | | | | TSTransco funds | | | | | 1.38 | | | | 1.72 | | | | | |
| 89 | S-19-05 | CRN/TST/TS/Erection of 132 KV SS at Manikonda in Rangareddy District.Approval NO 08/2019-20 dt:27.12.2019 | 132/33 kV Gas Insulated Sub-Station (GIS) at Manikonda in Ranga Reddy District along with connected line with 132 KV XLPE UG cable | System Improvement | 31.09.2019 | 15.09.2022 | 83.09 | 2.49 | 7.48 | | 5.19 | 8.93 | 107.18 | | | 96.46 | | | | REC | | | | | 67.18 | | | | 67.18 | | | | | |
| 90 | S-20-02 | | Administrative approval for erection of 132/33 KV Sub-station Dandu Malkapur (V) in Chotuppal (M) of Yadadri Bhuvanagiri District | System Improvement | 05.02.2021 | 31.03.2024 | 24.50 | 0.74 | 2.82 | | 6.86 | 2.63 | 37.55 | | | -- | | | | Transco funds | | | | | 0.05 | | | | 0.05 | | | | | |
| 91 | S-21-01 | P.No.28/APERC/Secy/Dir/Engg/E/725/2013, Dt:06-05-2013 | Erection of 132/33 kV Sub-Station at Pasra (V) of Govindaraopet (M) in Mulugu District. | System Improvement | 30.06.2021 | 31.01.2022 | 7.90 | 0.24 | 0.71 | | 2.21 | 0.85 | 11.91 | | | -- | | | | Transco funds | | | | | 6.23 | | | | 6.23 | | | | | |
| 92 | P-11-01 | APT/TS/Pulichintala-Evac/F-INVST-02/2014 | Pulichintala Hydro Electric Project (4x30 MW) – Evacuation arrangements | System Improvement | 12.03.2014 | 31.03.2019 | 27.85 | 0.84 | 2.79 | | 1.67 | 2.99 | 36.14 | | | 48.61 | | | | OBC | | | | | 0.01 | | | | 0.10 | | | | | |
| 93 | S-07-02 | | Erection of 220KV SS Jurala & 132 KV LILO line to 220 KV SS Jurala | | | | | | | | | | | | | | | | | | | | | 0.11 | | | | | | | | | | |
| 94 | P-19-01 | CRN No. TST/TS Erection of 400/220 KV 1x315 MVA ICT at BTPS switch yard Manuguru & Erection of 220 KV DC line from 220/132/33 KV Manuguru SS to 400 KV BTPS switch yard Approval/No.06/2019-20 dt:22.11.2019 | 400/220 kV, 1X315 MVA ICT at Bhadradi Thermal Power Station (BTPS) switch yard, Manuguru, TSGENCO and erection of 220 KV DC line from 220/132/33 KV Manuguru SS to 400 KV BTPS switch yard | System Improvement | 31.09.2019 | 12.03.2021 | 51.60 | 1.55 | 4.64 | | 3.22 | 5.55 | 66.56 | | | 59.91 | | | | REC | | | | | 3.36 | | | | 37.68 | | | | | |
| TOTAL SCHEMES | | | | | | | 3,207.47 | 67.17 | 301.10 | | 132.54 | 236.77 | 3,945.05 | | | 2958.11 | | | | | | | | 269.91 | | | | 1247.11 | | | | | | |
| DC WORKS & NON PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | D-13-05 | | SHIFTING LINE AT YELLAMMABANDA FOR GHMC | | 24.07.2014 | 11.12.2015 | 6.97 | | | | | | 6.97 | | | | | | | CC | | | | | 0.10 | | | | | | | | | |
| 2 | D-13-06 | | Shifting of 220KV lines for HMRL | | 09.10.2013 | 05.08.2014 | 49.45 | | | | | | 49.45 | | | | | | | CC | | | | | 2.73 | | | | | | | | | |
| 3 | D-15-08 | | 220KV YELLURU & GOURIDEVIPALLY SS | | 24.02.2016 | Y-03.11.17 G-08.12.17 | | | | | | | | | | | | | | CC | | | | | -0.01 | | | | | | | | | |
| 4 | D-16-07 | | DC WORKS-EREC OF 220KV BAY AT 220 BUDMPD | | 03.11.2016 | 14.06.2018 | 2.11 | | | | | | 2.11 | | | | | | | CC | | | | | -0.01 | | | | | | | | | |
| 5 | D-16-11 | | Shftg of 132kV ERG-MDHPR DC LN for GHMC | | 23.03.2017 | 01.11.2017 | 31.86 | | | | | | 31.86 | | | | | | | CC | | | | | 0.00 | | | | | | | | | |
| 6 | D-17-06 | | 220 KV LILO (10.80 KM) line from existing RSS-Nagaram line | | 08.01.2018 | 30.03.2019 | 23.80 | | | | | | 23.80 | | | | | | | CC | | | | | 0.00 | | | | | | | | | |

| SL. No. | Project Details | | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | |
|---------|-----------------|------------------------------|--|-------------------|---------------------------------|--------------------------------------|-----------------------------|-------------|-----|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|------------------------------------|---|--------------|------------------------|-----------------------------------|---|--------------|------------------------|-------------------------------------|---|--------------|------------------------|---------|---------------------------|
| | Scheme IDs | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | | Percentage capitalisation |
| 7 | D-17-11 | | 132 KV line 4m Miryalaguda to RTSS and Ramannapet to Ramannapet | | 02.06.2018 | 27.09.2019 | 8.37 | | | | | | 8.37 | | | | | | | CC | | | | | 0.27 | | | | | | | | |
| | | | | | 02.06.2018 | 06.12.2018 | 7.04 | | | | | | 7.04 | | | | | | | CC | | | | | | | | | | | | | |
| 8 | D-17-12 | | Shifting of 220KV kline from veltoor-Thi (1) Shifting of 220KV kline from veltoor-Thimmajipet 2) 220 KV Shifting of Boothpur-Kalwakurthy) | | 23.05.2018 | 29.01.2019 06.11.2018 | 11.61 | | | | | | 11.61 | | | | | | | CC | | | | | 0.31 | | | | | | | | |
| 9 | D-18-05 | | shifting of Ins B/w manoharbd-Kothapalli n | | 21.08.2018 | 02.07.2019 | 21.38 | | | | | | 21.38 | | | | | | | CC | | | | | 0.05 | | | | | | | | |
| 10 | D-18-10 | | Divrsn of Gajwt-Kndapka etc Komrvellimal | | 26.09.2018 | 09.12.2020 | 17.60 | | | | | | 17.60 | | | | | | | CC | | | | | -0.48 | | | | | | | | |
| 11 | D-18-12 | | Extnsion of power supply to RTSS Manoharabad | | 15.04.2019 | 25.11.2020 | 1.05 | | | | | | 1.05 | | | | | | | CC | | | | | -0.06 | | | | | | | | |
| 12 | D-18-13 | | Pwr sply 2 132KV RTSS Divitipally(RVNL) | | | | | | | | | | | | | | | | | CC | | | | | 0.68 | | | | | | | | |
| 13 | D-18-14 | | Shifting of 132kv Manuguru - kamalapuram DC line | | | | | | | | | | | | | | | | | CC | | | | | 0.01 | | | | | | | | |
| 14 | D-18-15 | | Extn of 132 KV line 4 kmrddy 2 Tlamdla Ra | | | | | | | | | | | | | | | | | CC | | | | | 4.19 | | | | | | | | |
| 15 | D-18-16 | | Extn of Pwr sply 2 132/25 KV RTS Jankamp | | | | | | | | | | | | | | | | | CC | | | | | 2.69 | | | | | | | | |
| 16 | D-18-19 | | Extn of HT sply 2 Thimmapr RTSS 4m Shams | | | | | | | | | | | | | | | | | CC | | | | | 3.27 | | | | | | | | |
| 17 | D-18-21 | | 220KV DC line Dindi-Bonguluru loc no 5 t | | 07.05.2019 | 05.02.2020 | 7.91 | | | | | | 7.91 | | | | | | | CC | | | | | 0.00 | | | | | | | | |
| 18 | D-19-01 | | Shifting of 132KV Erragadda-Shivarampally | | 07.03.2019 | 11.03.2020 | 0.94 | | | | | | 0.94 | | | | | | | CC | | | | | 0.52 | | | | | | | | |
| 19 | D-19-02 | | Shift Gachibowli-Madapur-I&II DC lines b | | | | | | | | | | | | | | | | | CC | | | | | 0.02 | | | | | | | | |
| 20 | D-19-03 | | Sft 220KV Gachibowli-S.nagar-Egadda line | | 29.11.2019 | 31.08.2021 | 19.61 | | | | | | 19.61 | | | | | | | CC | | | | | 2.90 | | | | | | | | |
| 21 | D-19-04 | | Shifting 132kv lines from Road number 45 Durgam Cheruvu | | 30.01.2019 | 13.06.2020 | 18.80 | | | | | | 18.80 | | | | | | | CC | | | | | 0.00 | | | | | | | | |
| 22 | D-19-10 | | Diversn of 220KV Gachibwli-Er'da-SH.ngr | | | | | | | | | | | | | | | | | CC | | | | | 0.04 | | | | | | | | |
| 23 | D-20-01 | | 132/33 KV SS at E-city Fabcity | | | | | | | | | | | | | | | | | CC | | | | | 11.44 | | | | | | | | |
| 24 | D-20-02 | | Extension of 132KV supply to RTSS Manopa | | | | | | | | | | | | | | | | | CC | | | | | 0.04 | | | | | | | | |
| 25 | D-20-06 | | 132kv DC/SC line from 132/33kv SS Morthad | | | | | | | | | | | | | | | | | CC | | | | | 0.69 | | | | | | | | |
| 26 | D-20-07 | | Modifictn of power line of Bhadrachalam-S | | | | | | | | | | | | | | | | | CC | | | | | 3.60 | | | | | | | | |
| 27 | D-20-09 | | Gajwel-chegunta for manoharabad 2 Kothapally | | 29.01.2021 | 03.07.2021 | 2.69 | | | | | | 2.69 | | | | | | | CC | | | | | 1.43 | | | | | | | | |
| 28 | D-21-24 | | 132kv DC.SC line Ganganpally-RTSS Pandur | | | | | | | | | | | | | | | | | CC | | | | | 2.32 | | | | | | | | |
| 29 | D-21-27 | | Data centers at TSIIIC- M/s. amazon | | | | | | | | | | | | | | | | | CC | | | | | 1.67 | | | | | | | | |
| 30 | D-21-30 | | Industrial Park at Chandanvally(V), Shadnagar | | | | | | | | | | | | | | | | | CC | | | | | 6.73 | | | | | | | | |
| 31 | D-21-33 | | Shifting of 220kv Shapurnagar - Janagaon SC | | | | | | | | | | | | | | | | | CC | | | | | -1.31 | | | | | | | | |
| 32 | D-21-36 | | M/s. HSIL Ltd., AGI Glaspac - railway Bloc | | | | | | | | | | | | | | | | | CC | | | | | 0.19 | | | | | | | | |
| 33 | D-21-18 | | Shifting of 220kv Miryalaguda-KTPS SC Line | | | | | | | | | | | | | | | | | CC | | | | | 0.46 | | | | | | | | |

| SL. No. | Scheme IDs | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | | |
|---------------------------|------------|------------------------------|---|---|---------------------------------|--------------------------------------|-----------------------------|-------------|-----|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|------------------------------------|---|--------------|------------------------|-----------------------------------|---|--------------|------------------------|-------------------------------------|---|--------------|------------------------|---------|---------------------------|--|
| | | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | | Annual | | | | Annual | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | | Percentage capitalisation | |
| 34 | L-12-02 | | 2 Nos 132kV Bays at Jaipur for SCCL | | | | | | | | | | | | | | | | | CC | | | | | 0.22 | | | | | | | | | |
| 35 | D-21-23 | | 400kV 1000Sqmm XLPE Cable etc. _ Srisaillam | | | | | | | | | | | | | | | | | CC | | | | | 1.64 | | | | | | | | | |
| 36 | N-17-01 | | Other Non Planned Project Str 2017-18 | | | | | | | | | | | | | | | | | TSTRANSCO | | | | | 0.34 | | | | | | | | | |
| 37 | N-18-01 | | Other Non Planned Project Str 2018-19 | | | | | | | | | | | | | | | | | TSTRANSCO | | | | | 4.19 | | | | | | | | | |
| 38 | N-19-01 | | Other Non Planned Project Str 2019-20 | | | | | | | | | | | | | | | | | TSTRANSCO | | | | | 1.23 | | | | | | | | | |
| 39 | N-20-01 | | Other Non Planned Project Str 2020-21 | | | | | | | | | | | | | | | | | TSTRANSCO | | | | | 0.77 | | | | | | | | | |
| 40 | N-21-01 | | Other Non Planned Project Str 2021-22 | | | | | | | | | | | | | | | | | TSTRANSCO | | | | | 1.47 | | | | | | | | | |
| DC WORKS & NON PLAN TOTAL | | | | | | | 231.19 | | | | | | 231.19 | | | | | | | | | | | | 54.34 | | | | | | | | | |
| Augmentation of PTRs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | A-15-05 | | AUGof PTR@EHT SS for extending 9Hrs | To meet the growing loads | 01.05.2015 | 31.03.2022 | 283.03 | Incl | | Incl | Incl | Incl | 283.03 | | | | | | | REC | 0.08 | - | - | 0% | 0.08 | - | - | 0% | 25.87 | - | - | 9% | | |
| 2 | A-15-06 | | Augmentation of PTR capacities at variou | To meet the growing loads | 01.05.2015 | 31.03.2022 | 233.75 | Incl | | Incl | Incl | Incl | 233.75 | | | | | | | REC | -0.01 | - | - | 0% | -0.01 | - | - | 0% | 8.21 | - | - | 4% | | |
| 3 | A-15-07 | | Augmentation of PTR capacities at 220kV | To meet the growing loads | 02.07.2015 | 31.03.2022 | 11.35 | Incl | | Incl | Incl | Incl | 11.35 | | | | | | | REC | 0.00 | - | - | 0% | 0.00 | - | - | 0% | 3.45 | - | - | 30% | | |
| 4 | A-15-25 | | Aug. at 220KV SS Gachibowli ADDL. 50MVA. | To meet the growing loads | 23.06.2015 | 31.03.2022 | 6.20 | Incl | | Incl | Incl | Incl | 6.20 | | | | | | | REC | 0.00 | - | - | 0% | 0.00 | - | - | 0% | 3.92 | - | - | 63% | | |
| 5 | A-16-01 | | 3rd 31.5MVA PTR at Adilabad SS | To meet the Industrial, Agriculture and etc., loads | 01.03.2016 | 31.03.2022 | 3.06 | Incl | | Incl | Incl | Incl | 3.06 | | | | | | | REC | -0.01 | - | - | 0% | -0.01 | - | - | 0% | 0.88 | - | - | 29% | | |
| 6 | A-18-02 | | Aug of PTR cap.at YWGI | To meet the Industrial, Agriculture and etc., loads | 18.07.2018 | 31.03.2022 | 6.68 | Incl | | Incl | Incl | Incl | 6.68 | | | | | | | REC | 0.04 | - | - | 1% | 0.04 | - | - | 1% | 2.94 | - | - | 44% | | |
| 7 | A-18-05 | | PSDF STRENGTHENING-7NO'S 220KV EHT LINES | | 18.09.2018 | 20.05.2019 | 100.50 | Incl | | Incl | Incl | Incl | 100.50 | | | | | | | PSDF Grant | 0.15 | - | - | 0% | 0.15 | - | - | 0% | 90.73 | - | - | 90% | | |
| 8 | A-19-01 | | Aug of 4th 160 MVA at 220KV Gachibowli | To meet the growing loads | 03.07.2019 | 31.03.2022 | 6.20 | Incl | | Incl | Incl | Incl | 6.20 | | | | | | | TSTRANSCO Funds | 0.00 | - | - | 0% | 0.00 | - | - | 0% | 3.96 | - | - | 64% | | |
| 9 | A-19-03 | | Augmentation of 80 MVA at 132 KV IDPL SS | To meet the growing loads | 07.03.2020 | 31.03.2022 | 0.72 | Incl | | Incl | Incl | Incl | 0.72 | | | | | | | TSTRANSCO Funds | 0.00 | - | - | 0% | 0.00 | - | - | 0% | 0.32 | - | - | 44% | | |
| 10 | A-19-04 | | Augmentation of PTRs at 220 KV Hayathnag | To meet the growing loads | 18.03.2020 | 31.03.2022 | 14.40 | Incl | | Incl | Incl | Incl | 14.40 | | | | | | | TSTRANSCO Funds | 9.83 | - | - | 68% | 9.83 | - | - | 68% | 11.04 | - | - | 77% | | |
| 11 | A-19-05 | | Augmentation of PTRs at gesukonda & Tiru | To meet the growing loads | 18.03.2020 | 31.03.2022 | 1.47 | Incl | | Incl | Incl | Incl | 1.47 | | | | | | | TSTRANSCO Funds | 0.39 | - | - | 26% | 0.39 | - | - | 26% | 0.85 | - | - | 57% | | |
| 12 | A-20-02 | | Aug of 3rd 220/132KV PTR at 400KV Narsap | To meet the growing loads | 26.06.2020 | 31.03.2022 | 3.63 | Incl | | Incl | Incl | Incl | 3.63 | | | | | | | TSTRANSCO Funds | 1.25 | - | - | 34% | 1.25 | - | - | 34% | 1.47 | - | - | 40% | | |
| 13 | A-20-03 | | Aug of PTR at Warangal & Karimnagar Circ | To meet the growing loads | 03.01.2020 | 31.03.2022 | 8.26 | Incl | | Incl | Incl | Incl | 8.26 | | | | | | | TSTRANSCO Funds | 0.21 | - | - | 3% | 0.21 | - | - | 3% | 2.42 | - | - | 29% | | |
| 14 | A-20-04 | | Augmentation of PTR at 132KV Dorthanpalli | To meet the growing loads | 03.11.2020 | 31.03.2022 | 3.30 | Incl | | Incl | Incl | Incl | 3.30 | | | | | | | TSTRANSCO Funds | 2.71 | - | - | 82% | 2.71 | - | - | 82% | 2.71 | - | - | 82% | | |
| 15 | A-20-05 | | Augmentation of PTR at 132KV Khaithalapu | To meet the growing loads | 18.11.2020 | 31.03.2022 | 0.55 | Incl | | Incl | Incl | Incl | 0.55 | | | | | | | TSTRANSCO Funds | 0.33 | - | - | 59% | 0.33 | - | - | 59% | 0.33 | - | - | 60% | | |
| 16 | A-20-06 | | Aug of 3rd PTR at 132KV MDPally SS | To meet the growing loads | 05.02.2021 | 31.03.2022 | 3.92 | Incl | | Incl | Incl | Incl | 3.92 | | | | | | | TSTRANSCO Funds | 3.09 | - | - | 79% | 3.09 | - | - | 79% | 3.18 | - | - | 81% | | |
| 17 | A-20-07 | | Aug of 4rd PTR at 132KV Pashmailaram SS | To meet the growing loads | 30.03.2021 | 31.03.2022 | 1.56 | Incl | | Incl | Incl | Incl | 1.56 | | | | | | | TSTRANSCO Funds | 0.54 | - | - | 35% | 0.54 | - | - | 35% | 0.55 | - | - | 35% | | |
| 18 | A-21-01 | | Aug of 160 MVA PTR at 400KV Suryapet SS | To meet the growing loads | 12.04.2021 | 31.03.2022 | 8.35 | Incl | | Incl | Incl | Incl | 8.35 | | | | | | | TSTRANSCO Funds | 1.30 | - | - | 16% | 1.30 | - | - | 16% | 1.30 | - | - | 16% | | |
| 19 | A-21-02 | | Aug of 132/33 KV PTRs at Mamidipally & 4 | To meet the growing loads | 07.05.2021 | 31.03.2022 | 11.47 | Incl | | Incl | Incl | Incl | 11.47 | | | | | | | TSTRANSCO Funds | 0.23 | - | - | 2% | 0.23 | - | - | 2% | 0.23 | - | - | 2% | | |

| SL. No. | Project Details | | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | |
|-----------------------------------|-----------------|------------------------------|---|-----------------------------------|---------------------------------|--------------------------------------|-----------------------------|--------------|-----|---------|--------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|------------------------------------|---|--------------|------------------------|-----------------------------------|---|--------------|------------------------|-------------------------------------|---|--------------|------------------------|---------|---------------------------|
| | Scheme IDs | Project Code* (ERC Approval) | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingen cy | IDC | Duti es | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | | Percentage capitalisation |
| 20 | A-21-04 | | Aug. of PTR capacity at 220KV Huzurabad | To meet the growing loads | 18.08.2021 | 31.03.2022 | 6.03 | Incl | | Incl | Incl | Incl | 6.03 | | | | | | | TSTRANSCO Funds | 1.10 | - | - | 18% | 1.10 | - | - | 18% | 1.10 | - | - | 18% | |
| 21 | A-21-06 | | Augmentations of 132KV PTRs at 24Nos Sub | To meet the growing loads | 07.10.2021 | 31.03.2022 | 48.75 | Incl | | Incl | Incl | Incl | 48.75 | | | | | | | TSTRANSCO Funds | 2.86 | - | - | 6% | 2.86 | - | - | 6% | 2.86 | - | - | 6% | |
| 22 | D-16-06 | | Erection 33KV Bays TSNPDCL | DC Works | 31.03.2016 | 31.03.2022 | 19.31 | Incl | | Incl | Incl | Incl | 19.31 | | | | | | | Customer Contribution | 0.24 | - | - | 1% | 0.24 | - | - | 1% | 12.98 | - | - | 67% | |
| 23 | D-18-03 | | Implementation of DAS for RTSS | DC Works | 11.01.2018 | 31.03.2022 | 3.80 | Incl | | Incl | Incl | Incl | 3.80 | | | | | | | Customer Contribution | 0.14 | - | - | 4% | 0.14 | - | - | 4% | 2.59 | - | - | 68% | |
| 24 | D-18-20 | | Providing of ABT meters at Railway Traction SS | DC Works | 1/4/2020 | 31.03.2022 | 9.64 | Incl | | Incl | Incl | Incl | 9.64 | | | | | | | Customer Contribution | 0.83 | - | - | 9% | 0.83 | - | - | 9% | 3.64 | - | - | 38% | |
| 25 | D-19-07 | | ABT Metering at 132 KV Manuguru & Kothag | DC Works | 1/4/2020 | 31.03.2022 | 1.35 | Incl | | Incl | Incl | Incl | 1.35 | | | | | | | Customer Contribution | - | - | - | - | -0.47 | - | - | 35% | -0.33 | - | - | 25% | |
| 26 | D-19-08 | | Providing of ABT meters at OCM & Mandamarry SS of M/s.SCCL. | DC Works | 1/4/2020 | 31.03.2022 | 14.10 | Incl | | Incl | Incl | Incl | 14.10 | | | | | | | Customer Contribution | 1.67 | - | - | 12% | 1.67 | - | - | 12% | 6.96 | - | - | 49% | |
| 27 | D-20-16 | | Erection of 4Nos 33KV Bays for M/s Amazo | DC Works | 17.04.2020 | 31.03.2022 | 2.66 | Incl | | Incl | Incl | Incl | 2.66 | | | | | | | Customer Contribution | 0.12 | - | - | 5% | 0.12 | - | - | 5% | 0.73 | - | - | 27% | |
| 28 | D-20-20 | | 33KV Bay at 220KV FABCITY SS for chirpa | DC Works | 08.05.2020 | 31.03.2022 | 0.71 | Incl | | Incl | Incl | Incl | 0.71 | | | | | | | Customer Contribution | 0.01 | - | - | 1% | 0.01 | - | - | 1% | 0.20 | - | - | 28% | |
| 29 | D-20-22 | | CT Replacement for Kesoram at Malyalapal | DC Works | 09.05.2022 | 31.03.2022 | 0.12 | Incl | | Incl | Incl | Incl | 0.12 | | | | | | | Customer Contribution | 0.01 | - | - | 9% | 0.01 | - | - | 9% | 0.01 | - | - | 9% | |
| 30 | D-20-23 | | 33KV Bay for Textile Park at Geesukonda | DC Works | 12.06.2020 | 31.03.2022 | 0.26 | Incl | | Incl | Incl | Incl | 0.26 | | | | | | | Customer Contribution | 0.07 | - | - | 27% | 0.07 | - | - | 27% | 0.14 | - | - | 52% | |
| 31 | D-20-27 | | 33KV Bays for Amazon at Mahabubnagar Cir | DC Works | 08.07.2020 | 31.03.2022 | 1.07 | Incl | | Incl | Incl | Incl | 1.07 | | | | | | | Customer Contribution | 0.01 | - | - | 1% | 0.01 | - | - | 1% | 0.36 | - | - | 33% | |
| 32 | D-20-31 | | Intermediate towers for gajwel ring road | DC Works | 21.10.2020 | 20.02.2021 | 2.70 | Incl | | Incl | Incl | Incl | 2.70 | | | | | | | Customer Contribution | 0.99 | - | - | 37% | 1.00 | - | - | 37% | 1.00 | - | - | 37% | |
| 33 | D-21-16 | | 4Nos 33KV Bays in substation in OMC Wara | DC Works | 25.02.2022 | 31.03.2022 | 0.84 | Incl | | Incl | Incl | Incl | 0.84 | | | | | | | Customer Contribution | 0.27 | - | - | 32% | 0.27 | - | - | 32% | 0.27 | - | - | 32% | |
| 34 | D-21-20 | | 33KV Bay for Raghuram at 132KV Suglampal | DC Works | 03.01.2021 | 31.03.2022 | 0.23 | Incl | | Incl | Incl | Incl | 0.23 | | | | | | | Customer Contribution | 0.06 | - | - | 25% | 0.06 | - | - | 25% | 0.06 | - | - | 25% | |
| 35 | D-21-22 | | Shifting of 132KV Nandipet - Nizamabad S | DC Works | 23.07.2021 | 12.01.2022 | 2.90 | Incl | | Incl | Incl | Incl | 2.90 | | | | | | | Customer Contribution | 1.40 | - | - | 48% | 1.40 | - | - | 48% | 1.40 | - | - | 48% | |
| 36 | D-21-26 | | 33KV Bay for singareni at 132KV Penuball | DC Works | 07.09.2020 | 31/03/2022 | 0.17 | Incl | | Incl | Incl | Incl | 0.17 | | | | | | | Customer Contribution | 0.08 | - | - | 49% | 0.08 | - | - | 49% | 0.08 | - | - | 49% | |
| 37 | N-19-02 | | Non Planned Capital works (O&M) 2019-20 | NON PLAN | 01.04.2019 | 31/03/2022 | 3.52 | Incl | | Incl | Incl | Incl | 3.52 | | | | | | | TSTRANSCO Funds | 0.35 | - | - | 10% | 0.35 | - | - | 10% | 1.38 | - | - | 39% | |
| 38 | N-20-02 | | Non Planned Capital works (O&M) 2020-21 | NON PLAN | 01.04.2020 | 31/03/2022 | 6.30 | Incl | | Incl | Incl | Incl | 6.30 | | | | | | | TSTRANSCO Funds | 0.15 | - | - | 2% | 0.15 | - | - | 2% | 1.29 | - | - | 21% | |
| 39 | N-21-02 | | Non Planned Capital works (O&M) 2021-22 | NON PLAN | 01.04.2021 | 31/03/2022 | 10.80 | Incl | | Incl | Incl | Incl | 10.80 | | | | | | | TSTRANSCO Funds | 2.71 | - | - | 25% | 2.71 | - | - | 25% | 2.71 | - | - | 25% | |
| 40 | R-16-02 | | PSDF | To improve system protection | 08.02.2016 | 31/03/2022 | 59.97 | Incl | | Incl | Incl | Incl | 59.97 | | | | | | | PSDF Grant | 0.03 | - | - | 0% | 0.03 | - | - | 0% | 42.80 | - | - | 71% | |
| 41 | R-17-02 | | 132 KV BEL'PALLY - S' KHAGAZ NAGAR TOWER | | 23/04/2018 | 31/03/2022 | 4.90 | Incl | | Incl | Incl | Incl | 4.90 | | | | | | | TSTRANSCO Funds | 0.53 | | | 11% | 0.53 | - | - | 11% | 0.53 | - | - | 11% | |
| 42 | O-16-01 | | Rolling Stock | Procurement of Major SS Equipment | 1/4/2021 | 31/03/2022 | 39.53 | Incl | - | Incl | Incl | Incl | 39.53 | - | - | 35.57 | - | - | - | REC | 2.68 | - | - | 7% | 2.68 | - | - | 7% | 15.51 | - | - | 39% | - |
| 43 | O-18-01 | | Rolling Stock | Procurement of Major SS Equipment | 1/4/2021 | 31/03/2022 | 26.43 | Incl | - | Incl | Incl | Incl | 26.43 | - | - | 23.787 | - | - | - | REC | 0.03 | - | - | 0% | 0.03 | - | - | 0% | 0.95 | - | - | 4% | - |
| 44 | Z-21-01 | | Rolling Stock | Procurement of Major SS Equipment | 1/4/2021 | 31/03/2022 | 53.00 | Incl | - | Incl | Incl | Incl | 53.00 | - | - | | - | - | - | TSTRANSCO Funds | 10.81 | - | - | 20% | 10.81 | - | - | 20% | 11.32 | - | - | 21% | - |
| Augmentation of PTRs Total | | | | | | | 1027.49 | | | | | | 1027.49 | | | 59.36 | | | | | 47.27 | | | | 46.81 | | | | 274.87 | | | | |
| GRAND TOTAL 220kV & 132kV Schemes | | | | | | | 4466.16 | 67.17 | | | 132.54 | 236.77 | 5203.74 | | | 3017.47 | | | | | 47.27 | | | | 371.06 | | | | 1521.98 | | | | |

(Actual Expenditure for FY:2021-22)

RENOVATION MODERNISATION & IMPROVISATION (RMI) SCHEMES

Form 1.1d: INVESTMENTS

Year:2021-22

R.M.I. SCHEMES

(Rs. in Crores.)

| Sl. No. | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | | |
|-----------|-----------------|---------------|---|---------------------------------|--------------------------------------|-----------------------------|------------|-----|--------|-------|---------------------|---------------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------------------------|-------------|---|--------------|-----------------------------------|---------------------------|---|--------------|-------------------------------------|---------------------------|---|--------------|---------|------------------------|---------------------------|
| | Project Code* | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contigency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | |
| | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC incurred | | Other expense incurred | Percentage capitalisation |
| 1 | R-15-01 | RMI | Replacement of old and obsolete equipment of substations and lines of TSTRANSCO | 1/4/2021 | 31/03/2022 | 53.08 | | | Incl | Incl | | 53.08 | | | 47.72 | | | | PFC | 0.171 | - | - | 0% | 0.17 | - | - | 0% | 15.56 | - | - | 29% | |
| 2 | R-17-01 | RMI | | 1/4/2021 | 31/03/2022 | 80.22 | | | incl | incl | | 80.22 | | | 72.18 | | | | REC | 2.98 | - | - | 4% | 2.98 | - | - | 4% | 21.14 | - | - | 26% | |
| 3 | R-20-01 | RMI | | 1/4/2021 | 31/03/2022 | 75.65 | | | incl | incl | | 75.65 | | | 68.04 | | | | REC | 8.14 | - | - | 11% | 8.14 | - | - | 11% | 17.05 | - | - | 23% | |
| RMI TOTAL | | | | | | 208.95 | | | | | | 208.95 | | | 187.94 | | | | | 11.29 | | | | 11.29 | | | | 53.75 | | | | |

ACTUAL INVESTMENTS (FY 2021-22)
LIFT IRRIGATION SCHEMES

| Sl. No. | Code | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | SOURCE OF FINANCING | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | | |
|---------------------------|---|---------------------|---|--|---------------------------------|--------------------------------------|-----------------------------|-------------|-----|--------|-------|---------------------|---------------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------------------------|--------------------------|---|--------------|-----------------------------------|---------------------------|---|--------------|-------------------------------------|---------------------------|---|--------------|---------|------------------------|---------------------------|
| | | Project Code* | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | | Other expense incurred | Percentage capitalisation |
| LI Schemes under CE/400kV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | L-18-04 | Bulk Load/DC works | Sita Rama Lift Irrigation scheme | Providing Supply to LI pumps | Sep'2018 | Mar'2022 | 418.45 | | | -- | -- | -- | 418.45 | | | NA | NA | NA | NA | Govt. of TS Grants I&CAD | 86.57 | | | | 25.89 | NA | | | 121.28 | NA | | | |
| 2 | L-13-01 | Bulk Load/ DC works | Indira Sagar Rudrammakota LIS | Providing Supply to LI pumps | Mar'2014 | Aug'2017 | 290.14 | | | -- | -- | -- | 290.14 | | | NA | NA | NA | NA | | 0.00 | | | | 0.02 | NA | | | 0.09 | NA | | 100% | |
| Total | | | | | | | 708.59 | | | | | | 708.59 | | | | | | | | 86.57 | | | | 25.91 | | | | 121.37 | | | | |
| LI Schemes under CE/LIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | L-05-02 | Bulk Load/DC works | Godavari LIS (a) (132/11kV Gandiramaram, 132/11kV Bommakuru, 132/11kV Rangaraopalli) | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Apr-17 | Oct-19 | 97.00 | | | | | | 97.00 | | | 97.00 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 0.18 | | | | 15.02 | | | | |
| 4 | I-19-02 | Bulk Load/DC works | (b) 132/11 kV Rajavaram SS | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Mar-20 | Mar-22 | 22.43 | | | | | | 22.43 | | | 22.43 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 15.63 | | | | 16.31 | | | | |
| 5 | D-15-03 L-15-02 L-15-03 L-15-04 L-16-02 L-16-03 L-16-05 | Bulk Load/DC works | Kaleshwaram Lift Irrigation Project (400kV Medaram,400kV Ramadugu,400kV Sundilla,220kV Medigadda, 220kV Annaram, 400kV Tippapur, 400kV Chandlapur,400kV Tukkapur, 132kV Malakpet) | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Aug-16 | Jun-20 | 3086.44 | | | | | | 3,086.44 | | | 3086.44 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 44.63 | | | | 1265.2 | | | | |
| 6 | L-17-01 | Bulk Load/DC works | Chanaka Korata LIS 132/11kV Hatighat | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Apr-17 | May-19 | 41.15 | | | | | | 41.15 | | | 41.15 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | -0.06 | | | | 3.92 | | | | |
| 7 | D-11-05 L-11-01 | Bulk Load/DC works | Thotapally Reservoir to Gouravelly Reservoir LIS (220/132kV Huzurabad SS and CL) | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Feb-15 | Mar-22 | 69.70 | | | | | | 69.70 | | | 69.70 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 7.14 | | | | 38.25 | | | | |

| Sl. No. | Code | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | SOURCE OF FINANCING | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks | | | |
|---------|-----------------|--------------------|--|--|---------------------------------|--------------------------------------|-----------------------------|-------------|-----|--------|-------|---------------------|---------------------|---|-----------------------------------|---------------------------------|---------------|------------------------------------|------------------|--------------------------|---|-----------------------------------|------------------------|---------------------------|---|-------------------------------------|------------------------|---------------------------|---|---------|--------------|------------------------|---------------------------|
| | | Project Code* | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | | | | | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | | IDC Incurred | Other expense incurred | Percentage capitalisation |
| 8 | L-17-03 | Bulk Load/DC works | Lift Irrigation Scheme along Flood Flow Canal 220/11 kV Rampur SS, 220/11kV Rajeswerraopeta SS, 220/11kV Mupkal SS | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Feb-18 | May-20 | 186.90 | | | | | | 186.90 | | | 186.90 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | -0.15 | | | | 86.26 | | | | |
| 9 | L-14-02 | Bulk Load/DC works | Kaleshwaram PKGS-20,21&22 220/11kV Sarangapur, 220/11kV Manichippa, 220/11kV Yacharamthanda | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Jan'19 | Sep-23 | 264.82 | | | | | | 264.82 | | | 264.82 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 39.39 | | | | 160.76 | | | | |
| 10 | L-18-02 | Bulk Load/DC works | JCR Phase-III Supplemental &Augmentation works at Bheemghanpur 220/11kV Bheemghapur | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | May-18 | Aug-19 | 23.99 | | | | | | 23.99 | | | 23.99 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 0.12 | | | | 11.65 | | | | |
| 11 | L-19-01 | Bulk Load/DC works | Kaleshwaram Lift Irrigation Schemes 220/11 kV New Manchippa SS and 220/11 kV New Mentrappally SS | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Mar-20 | Sep-23 | 67.77 | | | | | | 67.77 | | | 67.77 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 14.22 | | | | 17.72 | | | | |
| 12 | D-16-03 (new) | | Extn of 132kV Supply to Dubbatanda BRLIS | Extn of 132kV Supply to Dubbatanda BRLIS | July'16 | Mar'17 | 30.84 | | | | | | 30.84 | | | 30.84 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | -0.01 | | | | -0.29 | | | | |
| 13 | L-18-01 | Bulk Load/DC works | JCR Phase-III 220/11kV Devvanapeta SS 220/11kV Devvanapeta SS | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Dec-19 | Mar-23 | 138.66 | | | | | | 138.66 | | | 138.66 | | | | Govt. of TS Grants I&CAD | 20.00 | | | | 16.38 | | | | 90.04 | | | | |
| 14 | L-20-01 D-20-08 | Bulk Load/DC works | Kaleshwaram Lift Irrigation Scheme Additional Loads under KLIS Link -I and IV | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | April-20 | Mar-23 | 2946.54 | | | | | | 2,946.54 | | | 2946.54 | | | | Govt. of TS Grants I&CAD | 200.00 | | | | 28.95 | | | | 28.95 | | | | |
| 15 | I-16-04 | Bulk Load/DC works | Dr. BRAPCSS LIS (Kanakapur) | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Dec-16 | Nov-18 | 31.35 | | | | | | 31.35 | | | 31.35 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 0.30 | | | | 1.98 | | | | |
| 16 | L-14-01 | Bulk Load/DC works | Lift Irrigation Scheme at Jogapur | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Dec-16 | May-18 | 45.12 | | | | | | 45.12 | | | 45.12 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 0.00 | | | | 0.13 | | | | |

| Sl. No. | Code | Project Details | | | | | PLANNED CAPITAL EXPENDITURE | | | | | | | SOURCE OF FINANCING | | | | | | | Investments proposed for FY2021-22 | | | | Investments incurred in FY2021-22 | | | | Cumulative progress upto 31-03-2022 | | | | Remarks |
|---------------------------|---------|--------------------|---|--|---------------------------------|--------------------------------------|-----------------------------|-------------|-----|--------|-------|---------------------|------------|---|-----------------------------------|---------------------------------|---------------|-------------------|------------------|--------------------------|---|--------------|------------------------|---------------------------|---|--------------|------------------------|---------------------------|---|--------------|------------------------|---------------------------|---------|
| | | Project Code* | Project Title | Project Purpose** | Project Start Date (DD-MM-YYYY) | Project Completion date (DD-MM-YYYY) | Base Cost | Contingency | IDC | Duties | Taxes | Expense capitalised | TOTAL COST | Internal Accrual Component of capex in year | Equity Component of capex in year | Debt Component of capex in year | | | | | Annual | | | | Annual | | | | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | |
| | | | | | | | | | | | | | | | | Loan Amount | Interest Rate | Moratorium Period | Repayment Period | Loan Source | Proposed investment in the year (Rs. Cr.) | Proposed IDC | Proposed other expense | Percentage capitalisation | Actual investment in the year (Rs. Cr.) | IDC Incurred | Other expense incurred | Percentage capitalisation | | | | | |
| 17 | L-13-02 | Bulk Load/DC works | Kaleshwaram Lift Irrigation Scheme OLD 132/11kV Beersagar (Kannepalli) LIS | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Dec-16 | Jun-20 | 31.39 | | | | | | 31.39 | | | 31.39 | | | | Govt. of TS Grants I&CAD | | | | | -0.24 | | | | 15.07 | | | | |
| 18 | L-15-01 | Bulk Load/DC works | AMRP LLC Lift Irrigation Project at Puliathanda | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Jan-16 | Jan-18 | 3.37 | | | | | | 3.37 | | | 3.37 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 0.07 | | | | 0.29 | | | | |
| 19 | L-17-04 | Bulk Load/DC works | Kaleshwaram Lift Irrigation Scheme- Package -14 (Akkaram & Markook) | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Apr-18 | Apr-20 | 197.66 | | | | | | 197.66 | | | 197.66 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 5.70 | | | | 106.60 | | | | |
| 20 | L-18-03 | Bulk Load/DC works | Thumilla Lift Irrigation (RDS) 132/11kV Thumilla | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Aug-18 | Nov-18 | 34.30 | | | | | | 34.30 | | | 34.30 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 0.00 | | | | 5.06 | | | | |
| 21 | L-17-05 | Bulk Load/DC works | PRLIS Diversion of 3Nos. 220kV lines due to submerging in the proposed Anjanagiri Project | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | May-18 | Dec-20 | 18.23 | | | | | | 18.23 | | | 18.23 | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 0.13 | | | | 7.84 | | | | |
| 22 | D-17-13 | Bulk Load/DC works | Supply and Erection of 1 No. Bay Control Unit at 400 kV Nannuru SS under Mahatma Gandhi kalwakurthy Lift Irrigation Schemes | Extension of power supply to Lift Irrigation project taken up by Govt. of TS | Sep'17 | Oct'17 | 0.01 | | | | | | 0.01 | | | - | | | | Govt. of TS Grants I&CAD | 0.00 | | | | 0.01 | | | | 0.01 | | | | |
| | | Total | | | | | 7337.67 | | | | | | 7337.67 | | | 7337.66 | | | | | 220.00 | | | | 172.40 | | | | 1870.77 | | | | |
| LI Schemes under CE/PRLIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | L-17-02 | Bulk Load/DC works | Palamuru Ranga Reddy Lift Irrigation Scheme | | Mar'2018 | May'2023 | 2155.04 | | | | | | 2155.04 | | | | | | | Govt. of TS Grants I&CAD | 650.00 | | | | 508.17 | | | | 747.67 | | | | |
| | | Total | | | | | 2155.04 | | | | | | 2155.04 | | | 0.00 | | | | | 650.00 | | | | 508.17 | | | | 747.67 | | | | |
| | | GRAND TOTAL | | | | | 10201.30 | | | | | | 10201.30 | | | 7337.66 | | | | | 956.57 | | | | 706.48 | | | | 2739.81 | | | | |

ANNEXURE – VI**LIST OF DIRECTIVES**

| Sl. No. | Directive | Subject of Directive | Compliance Report |
|----------------|---|--|--|
| 1 | Segregation of assets and liabilities between APTransco and TSTransco | The Commission directs the petitioner to submit a compliance report on the segregation of assets and liabilities between APTransco and TSTransco by 30.06.2020 | Complied with vide APR FY2020-21 |
| 2 | Transmission works relating to LI Schemes | The Commission directs the petitioner to execute the Transmission works relating to LIS duly coordinating with the Irrigation Department. | Complied with since FY 2019-20. |
| 3 | Annual Performance Review | The Commission directs the petitioner to file the Performance Review (true up) for each year of the 4 th Control Period before 31 st December of the following year. As a first step, the petitioner shall file the Annual Performance Review for FY 2019-20 by 31.12.2020. | Complied with since the APR for FY 2019-20. |
| 4 | Capitalisation details for 3 rd Control Period from FY 2014-15 to FY 2018-19 | The Commission directs the petitioner to submit the complete details sought regarding the capitalisation for the 3 rd Control Period, in the Petition to be filed for the Annual Performance Review for FY 2019-20. | Complied with since FY 2019-20. |
| 5 | Computations of Depreciation in accordance with CERC (Terms and Conditions of Tariff) Regulations, 2019 | The Commission directs the petitioner to submit the computations of depreciation for each year of the 4 th Control period in accordance with the provisions of the CERC (Terms and Conditions of Tariff) Regulations, 2019 in Annual Performance Review for each year of the 4 th Control Period | Complied with since FY 2019-20. |
| 6 | Capital Investments | <p>Considering the importance of capitalisation of works, the Commission lays down the following requirements to be fulfilled before accepting inclusion of the value of the capitalised work in the OCFA:</p> <ol style="list-style-type: none"> On completion of a capital work, a physical completion certificate (PCC) to the effect that the work in question has been fully executed, physically, and the assets created are put in use, to be issued by the concerned engineer not below the rank of Superintending Engineer. The PCC shall be accompanied or followed by a financial completion certificate (FCC) to the effect that the assets created have been fully entered in the fixed assets register by transfer from the CWIP register to OCFA. The FCC shall have to be issued by the concerned finance officer not below the rank of senior Accounts Officer. The above mentioned certificates have to be submitted to the Commission within 60 days of completion of work, at the latest. | Complied with. PCCs & FCCs FY2021-22 are being submitted |

ANNEXURE -VII : TSTRANSCO Contract Capacities for FY 2021-22 (Actuals, in MW)

| Sl. No. | Generating Station / Source | Installed/ Contracted Capacity (MW) | Transco Contracted Capacity (MW) | | |
|-----------------------|--|---|----------------------------------|---------|---------|
| | | | TSSPDCL | TSNPDC | Total |
| I | TSGENCO THERMAL | | | | |
| 1 | KTPS-D(V)(2x250) | 500.00 | 321.00 | 134.00 | 455.00 |
| 2 | KTPS-VI(1x500) | 500.00 | 326.29 | 136.21 | 462.50 |
| 3 | RTS-B (1x62.5) | 62.50 | 39.68 | 16.57 | 56.25 |
| 4 | KTPP St.I(1x500) | 500.00 | 326.29 | 136.21 | 462.50 |
| 5 | KTPP St.II (1x600) | 600.00 | 393.67 | 164.33 | 558.00 |
| 6 | KTPS VII | 800.00 | 534.77 | 223.23 | 758.00 |
| 7 | BTPS | 1080.00 | 697.18 | 291.02 | 988.20 |
| Total TSGENCO Thermal | | 4042.50 | 2638.89 | 1101.56 | 3740.45 |
| II | TSGENCO HYDEL | | | | |
| 1 | N.SAGAR (ph) (NSPH)(7x100.8+1x110) | 815.60 | 569.65 | 237.79 | 807.44 |
| 2 | NSLCPH(2*30) | 60.00 | 41.91 | 17.49 | 59.40 |
| 3 | Pochampadu | 36.00 | 25.14 | 10.50 | 35.64 |
| 4 | Srisaillam LBPH(SLBHES)(6x150) | 900.00 | 627.33 | 261.87 | 889.20 |
| 5 | Jurala HES (6)(Priyadarshini) (50% share to Karnataka) | 234.00 | 81.72 | 34.11 | 115.83 |
| 6 | Singur(2x7.5) | 15.00 | 10.48 | 4.37 | 14.85 |
| 7 | Nizam Sagar(2*5) | 10.00 | 6.98 | 2.92 | 9.90 |
| 8 | Mini Hydel (Peddapalli,) | 9.16 | 6.40 | 2.67 | 9.07 |
| 9 | Mini Hydel (Palair) | 2.00 | 1.40 | 0.58 | 1.98 |
| 10 | Lower Jurala Hydro Electric Project(6x40) | 240.00 | 167.63 | 69.97 | 237.60 |
| 11 | Pulichintala(4x30) | 120.00 | 83.81 | 34.99 | 118.80 |
| Total TSGENCO Hydel | | 2441.76 | 1622.45 | 677.27 | 2299.71 |
| III | INTER STATE HYDEL | | | | |
| | Machkund PH | 120.00 | | | 0.00 |
| | Tungabhadra PH & Hampi | 72.00 | | | 0.00 |
| | TOTAL IS Hydel | 192.00 | 0.00 | 0.00 | 0.00 |
| IV | CENTRAL GENERATING STATIONS | | | | |
| 1 | NTPC (SR)-I&II | 358.61 | 235.19 | 98.18 | 333.36 |
| 2 | NTPC (SR) Stage-III | 89.87 | 59.44 | 24.81 | 84.25 |
| 3 | NTPC (Simhadri) I | 538.90 | 358.33 | 149.58 | 507.91 |
| 4 | NTPC (Simhadri) II | 247.50 | 164.57 | 68.70 | 233.27 |
| 5 | NTPC Talcher-II | 219.20 | 144.98 | 60.52 | 205.50 |
| 6 | NLC - Stage-I | 59.05 | 37.50 | 15.65 | 53.15 |
| 7 | NLC - Stage-II | 105.95 | 67.27 | 28.08 | 95.36 |
| 8 | NPC (Kaiga) Unit I & II | 69.42 | 43.83 | 18.30 | 62.13 |
| 9 | NPC (Kaiga) Unit III & IV | 73.73 | 46.55 | 19.43 | 65.99 |
| 10 | NPC (MAPS) | 22.50 | 14.21 | 5.93 | 20.14 |
| 11 | NTECL Valluru Thermal Power | 109.08 | 72.14 | 30.11 | 102.26 |
| 12 | NLC tamil(Tuticorin) Unit I & II | 150.57 | 100.12 | 41.79 | 141.91 |
| 13 | New Nyvelly Thermal Power Station | 62.10 | 41.07 | 17.15 | 58.22 |
| 14 | Kuddankulam Nuclear Power Plant (KKNP) | 50.00 | 32.52 | 13.58 | 46.10 |
| 15 | Kudigi Unit-I&II | 289.48 | 191.46 | 79.92 | 271.39 |
| 16 | NVVNL Bundled Power COAL | 45.81 | 32.32 | 13.49 | 45.81 |
| 17 | NSM II(Coal)(NTPC 200 MW) | 200.00 | 141.10 | 58.90 | 200.00 |
| Total CGS | | 2691.76 | 1782.61 | 744.12 | 2526.74 |

| | | | | | |
|---|---|----------------|----------------|----------------|-----------------|
| VI | OTHERS | | | | |
| 1 | Vemagiri | 199.39 | 136.18 | 56.85 | 193.03 |
| 2 | GVK Extension | 118.56 | 81.44 | 33.99 | 115.43 |
| 3 | Gautami | 250.05 | 171.08 | 71.42 | 242.5 |
| 4 | Konaseema | 239.31 | 163.56 | 68.27 | 231.83 |
| 5 | Thermal Powertech (Unit-I) | 269.45 | 190.10 | 79.35 | 269.45 |
| 6 | Thermal Powertech (Unit-II) | 570.00 | 402.14 | 167.87 | 570.00 |
| 7 | Singareni Thermal Power Project | 1200.00 | 797.92 | 333.08 | 1131.00 |
| 8 | Chattisgarh Power Purchase | 1000.00 | 668.81 | 279.19 | 948.00 |
| | Total Others | 3846.77 | 2611.22 | 1090.02 | 3701.24 |
| VII | NCE | | | | |
| 1 | Bio-Mass | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | Bagasse | 48.20 | 15.00 | 33.20 | 48.20 |
| 3 | Mini-Hydel | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | Industrial-Waste | 7.50 | 7.50 | 0.00 | 7.50 |
| 5 | MSW | 19.80 | 19.80 | 0.00 | 19.80 |
| 6 | Wind Power | 128.10 | 128.10 | 0.00 | 128.10 |
| 7 | Solar | 2679.43 | 1826.1 | 853.33 | 2679.43 |
| | Total NCE | 2883.3 | 1996.5 | 886.53 | 2883.03 |
| | Discom Total | | 10651.67 | 4499.5 | 15151.17 |
| | Open Access | | | | 99.52 |
| | Grand Total Contractual Capacity | | | | 15250.69 |
| Note: APGPCL Contracted Capacity is not included as TSDISCOMs decided not to schedule power from APGPCL from Feb 2020 onwards. | | | | | |