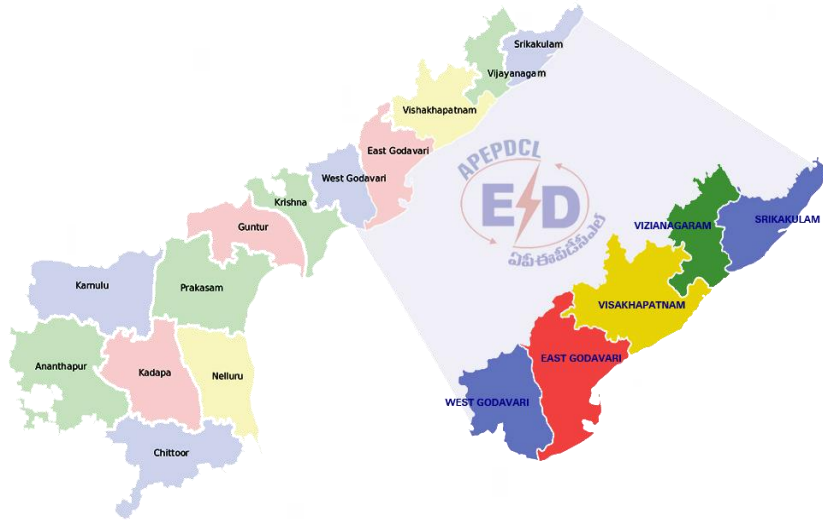




Eastern Power
Distribution Company of A.P. Ltd
ఆంధ్ర ప్రదేశ్ తూర్పు ప్రాంత విద్యుత్ పంపిణీ సంస్థ



**Aggregate Revenue Requirement for Distribution Business for
Fourth Control Period (FY2019-20 to FY2023-24)**

December, 2018

**BEFORE THE HONOURABLE ANDHRA PRADESH
ELECTRICITY REGULATORY COMMISSION**

AT ITS OFFICE AT 4th Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004

FILING NO. _____/2018

CASE NO. _____/2018

In the matter of:

Filing of the ARR & Tariff applications for the Distribution business for the Control Period FY 2020-2024 under multi-year tariff principles in accordance with the “Andhra Pradesh Electricity Regulatory Commission (Terms And Conditions For Determination Of Tariff For Wheeling And Retail Sale Of Electricity) Regulation, 2005” and “Andhra Pradesh Electricity Regulatory Commission (Terms And Conditions For Determination Of Tariff For Wheeling And Retail Sale Of Electricity) First Amendment Regulation, 2014” by the Eastern Power Distribution Company of Andhra Pradesh Limited (‘APEPDCL’ or ‘the Company’ or ‘the Licensee’) as the Distribution Supply Licensee

In the matter of:

EASTERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED

... Applicant

The Applicant respectfully submits as under: -

- 1 This filing is made by the **EASTERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (APEPDCL)** under Section 61 of the Electricity Act 2003 for determination of the ARR and Tariff for the distribution business for the years FY 2019-20 to FY 2023-24 (‘Control Period’) following multi-year tariff principles as laid out in Regulation 4 of 2005 of APERC.

- 2 Introduction of Tariff Regulation based on MYT Principles - In November 2005, the Commission issued the Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (“Regulation”) specifying the principles and procedures of filing for the Annual Aggregate Revenue Requirement (ARR) and Tariff proposals for the ensuing year and filings for the Control Period (FY 2019-20 to FY 2023-24) under Multi-Year Tariff Principles.
- 3 The essential characteristic of this regulation is to provide incentives on certain performance parameters and provide a degree of regulatory certainty for the Control Period. This incentive based system of regulation is a challenging one especially in the present case where the control period is for a period of five years. The challenges arise due to the difficulty in establishing appropriate targets five years ahead and the tendency to adopt uniform and universal performance norms for the licensees. Though the first, second and third control periods have helped the licensee to align itself to the incentive based system of regulation, the licensees would request the Hon’ble Commission to exercise suitable caution and recognise the current level of performance of the licensee, before fixing up performance benchmarks. As an example, the licensees which have already achieved significant level of efficiencies say in loss reduction cannot be expected to carry forward the same trend in the fourth control period, with the same loss reduction as the initial state of performance of the licensee. As such, recognising the different socio-economic and geographical conditions of the two distribution licensees, the licensee earnestly submits that there should be sufficient flexibility in deriving different levels of norms. For example, different norms for O&M costs have to be allowed for base values for each DISCOM considering different consumer mix, assets and employee.
- 4 Licensee had submitted resource plan with Hon’ble Commission as per the Regulation 4 of 2005 dated 31st July 2018. Resource plan consists detailed projection of capital expenditure, sales forecast, load forecast, availability projection and voltage wise losses as per resource plan guidelines.
- 5 It is to submit that, the APEPDCL has sought permission of the Hon’ble Commission vide letter dated 30.11.2018 for submission of ARR of Distribution Business for the fourth control period on or before 15.12.2018 , submitting the circumstances caused for delay in submission beyond the stipulated time.

6 This petition has been developed as per the provisions of the Regulation 4 of 2005. The Licensee is submitting the following as part of the ARR and tariff filings for the fourth Control Period (FY 20 to FY24):

- Allocation statement to segregate expenses and incomes of distribution business
- ARR and Tariff Proposals (“Wheeling Charges”) for the Distribution business of the licensee for the fourth Control Period (FY 2019-20 to FY 2023-24), including
 - (a) Sales forecast, load forecast and Investment Plan (abstract as per the resource plan with updated figures for FY 2018-19 & FY 2019-20 as per latest ARR Filings for Retail Supply for FY 2019-20)
 - (b) Loss reduction trajectory and power procurement plan (as per the resource plan)

Summary of the Filing

1. Resource Plan for the Control Period

As per Clause 9.1 of the Regulation, the Resource Plan for the fourth Control Period was filed before the Hon'ble Commission on dated 31st July 2018. The Resource Plan contains the following:

- Sales Forecast;
- Load Forecast
- Loss Trajectory projections
- Power Procurement Plan; and
- Distribution Plan (Capital Investment Plan)

Loss Trajectory

The licensee has taken various steps to reduce the losses like strengthening of the network infrastructure, addition of network elements, and vigorously undertaking the Energy Audit visit to keep a close tab on the losses.

The actual losses for the period FY 2013-14 to FY 2017-18 when compared with APERC target is summarized below.

Voltage Level	FY 2012-13		FY 2013-14		FY 2014-15		FY 2015-16		FY 2016-17		FY 2017-18	
	Approved	Actual	Approved	Actual	Approved	Actual	Approved	Actual	Approved	Actual	Approved	Actual
LT	5.13%	5.93%	5.00%	6.93%	5.00%	5.38%	5.00%	4.41%	4.70%	2.45%	4.74%	4.27%
11 KV	4.27%	4.55%	4.20%	4.15%	4.20%	2.14%	4.00%	4.00%	3.80%	3.35%	3.80%	3.42%
33 KV	3.47%	4.26%	3.40%	3.41%	3.40%	5.30%	3.40%	2.12%	3.20%	2.73%	3.22%	2.90%

Based on the historical performance and the loss reduction measures carried out in the state, the licensee projects the loss for the period FY 2018-19 to FY 2023-24.

APEPDCL	FY 2018-19*	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Annual LT Loss %	4.16%	4.13%	4.11%	4.08%	4.05%	4.02%
Annual 11 kV Loss %	3.33%	3.28%	3.25%	3.20%	3.15%	3.10%
Annual 33 kV Loss %	2.82%	2.81%	2.80%	2.79%	2.78%	2.77%

**Distribution loss in % as approved by the commission in Retail Tariff Order of FY 2018-19*

2. Distribution Plan (Capital Investment Plan)

The licensee has prepared a detailed capital investment plan for the Control Period based on a comprehensive analysis of state of the existing network loading conditions and the expected future loading of the network during each year of the control period based on the projected load growth. The table below provides the projected Capital Expenditure of APEPDCL from FY 2018-19 to FY 2023-24 under DISCOM spend. For the purpose of RRB computation, licensee have considered loans from IPDS, DDUGY, WB etc. as loans and not grants.

Sr. No.	Item	FY19	FY20	FY21	FY22	FY23	FY24
1	Substations (New & Augmentation)	231	226	283	332	390	446
2	Metering & Associated equipment	50	65	80	95	110	125
3	Distribution Transformer Additions	165	239	173	200	236	269
4	Lines, Cables & Network	253	249	275	319	375	431
5	Technology Upgradation and R&M	75	88	101	114	127	140
6	Civil works and Others	30	34	38	42	46	50
Total (Rs. Cr.)*		804	901	950	1,102	1,285	1,461

The table below provides the projected Capital Expenditure of APEPDCL from FY 2018-19 to FY 2023-24 including ongoing schemes.

Particulars	FY19	FY20	FY21	FY22	FY23	FY24
Capital Expenditure Projected (Rs. Crore)	1,414	1,372	991	1,103	1,286	1,462

3. O&M expense projection

Clause 6.3 (a) of the Regulation provides the following for projection of the O&M costs: *“The Operation and Maintenance (O&M) costs which include employee-related costs, repair & maintenance costs and administrative & general costs, estimated for the Base Year and the year prior to the Base Year in complete detail, together with the forecast for each year of the Control Period based on the norms proposed by the Distribution Licensee including indexation and other appropriate mechanisms...”*.

Licensee has adopted method recommended by commission in 3rd Control period MYT order. Below is the methodology adopted by the licensee for projection of O&M expenses for 4th Control period:

a&b. Employee expenses (EE) and Administrative and General (A&G) expenses

As per MYT order for 3rd Control period, commission has recommended all the licensees to project EE and A&G expense based on the norms linked to Number of Substations (SS), line length (Circuit KM), Number of consumers and Number of DTRs. Licensee has adopted the same methodology for projecting the employee expenses and A&G expenses for 4th Control period. The methodology for projecting employee expenses is explained below. Same methodology has been adopted for projecting A&G expenses: For each year, actual Employee expenses (net of capitalisation) is allocated to Substations, Line length, DTRs and Consumers in the ratio of 49%:21%:10%:20%. The following ratios are calculated: Employee expense/ Substation, Employee expense/ circuit km of line length, Employee expense/ DTR, Employee expense/ Consumer.

- c. Repair and Maintenance (R&M) Expenses** –In the 3rd Control Period Hon'ble APERC has approved Repairs & Maintenance (R&M) cost as 2.05% of the opening balance of Gross Fixed Assets (GFA) pertaining to the year of consideration. The distribution licenses are contemplating to step up the activities on periodical and preventive maintenance for keeping the distribution system in a tidy condition. DISCOMs are monitoring the outages with internationally renowned indices such as SAIFI & SAIDI etc. To meet such standards, the system downtimes are to be kept at very low and optimum levels. The present system is to be checked thoroughly and strict maintenance schedules and procedures are to be planned & implemented. Further the Hon'ble APERC has been providing Rs 5 crores per year for enhancing the Safety provisions. Since these provisions are network related, these special provisions on safety are proposed to be accounted for in Network ARR under R&M expenditure with effect from FY 2019-20. Further, there is an increase of around 50% to the wages to the outsourcing employees deployed in Substations for carrying out operation & maintenance services. In view of the above, it is necessitated for enhancement of the R&M norm from the existing level of 2.05% to 2.50% for the 4th Control Period.

Based on the above methods, O&M projections summary for the Control period and break-up are shown in the table below.

Parameter	Unit	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
Employee Cost	Rs. Crs	1,157	1,278	1,448	1,644	1,872	2,131
A&G Cost	Rs. Crs	103	121	138	156	178	203
R&M Cost	Rs. Crs	161	177	202	252	302	337
Total O&M Expenses	Rs. Crs	1,421	1,576	1,787	2,052	2,351	2,671

- The proposed methodology factors both inflationary adjustment and addition of new offices/ employees due to load growth.

4. Return on Capital Employed

The licensee has computed the ROCE as provided in the Clause 15 of the Regulation which specifies that the ROCE be computed by multiplying the Regulated Rate Base (RRB) by the Weighted Average Cost of Capital (WACC). The licensee has computed the ROCE as provided in the regulation and is shown in table below.

Particulars	FY19	FY20	FY21	FY22	FY23	FY24
Return on Capital Employed	193	233	366	542	667	750
Regulatory Rate Base	1,687	2,005	3,052	4,477	5,470	6,126
Additions to GFA	641	1,018	1,993	1,988	1,411	1,587
Additions to Consumer Contribution	248	38	75	79	109	137
Working Capital	138	153	173	201	232	263
WACC	11.5%	11.6%	12.0%	12.1%	12.2%	12.2%
Cost of Debt %	10.6%	10.8%	11.3%	11.5%	11.6%	11.7%
Return on Equity %	14.0%	14.0%	14.0%	14.0%	14.0%	14.0%

Licensee has considered the cost of debt as the weighted average of the debt rates for the ongoing loans and projected loans. For RRB computation, licensee has considered the loans from IPDS, DDUGJY and WB as loans and not as grants.

Particulars	FY19	FY20	FY21	FY22	FY23	FY24
Ongoing Loans (Opening balance)	397	540	499	459	407	361
Debt rate of Ongoing Loans	8.3%	8.5%	8.3%	8.1%	7.8%	7.5%
New Loans (Opening balance)	0	1,054	2,216	2,954	3,689	4,453
Debt rate of New Loans	11.5%	12.0%	12.0%	12.0%	12.0%	12.0%
Weighted Average of Debt rate	10.6%	10.8%	11.3%	11.5%	11.6%	11.7%

5. Depreciation:

The depreciation every year for the particular asset class has been calculated as per below formula considering the Depreciation rates for respective asset class of asset base and also Fully Depreciated Assets during the control period.

Depreciation for the year = (Opening balance of the gross fixed assets for the year – Fully Depreciated Assets till previous year) * Rate of depreciation

The total depreciation for the year is calculated by adding the yearly depreciation of each asset class. The Depreciation rates as per Ministry of Power guidelines have been assumed to arrive at next 5 years depreciation which is shown below:

Asset Class	Rate of Depreciation
Buildings and Other Civil Works	3.02%
Battery Chargers	33.40%
Material Handling Equipment	7.84%
Meters / Meter Equipment	12.77%
Office Equipment and Air Conditioners	12.77%
Plant & Machinery and Lines, Cables & Network	7.84%
Capacitor Banks	5.27%
Furniture & Fixtures	12.77%
Vehicle – Car / Jeep / Scooter / Motor Cycle/ Lorry / Truck	33.40%
Computers and IT Equipment	12.77%
Intangible assets (Software, Goodwill etc.)	10.00%

The Fully depreciated assets till the year have been deducted from the opening balance of the next year to calculate the depreciation. Depreciation computation after considering the Fully Depreciated Assets (FDA) balances is tabulated below:

Particulars (Rs. Cr.)	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
Opening Balance of assets	6,430	7,071	8,090	10,083	12,071	13,482
Asset Additions during the Year	641	1,018	1,993	1,988	1,411	1,587
Fully Depreciated assets during the year	301	329	276	364	243	255
Depreciation During the Year	371	397	449	582	705	796

6. Aggregate Revenue Requirement (ARR) for each year of the third control period

Following table shows the projected revenue requirement for the distribution licensee during the 4th Control Period.

Particulars	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
O&M Charges (Net)	1,421	1,576	1,787	2,052	2,351	2,671
Depreciation	371	397	449	582	705	796
Advance Against Depreciation	0	0	0	0	0	0
Taxes on Income	15	18	27	39	48	54
Other Expenditure	15	15	16	16	17	17
Special Appropriations	0	0	0	0	0	0
Total Expenditure	1,822	2,005	2,279	2,689	3,121	3,538
Less: IDC and expenses capitalized	33	71	140	134	75	52
Less: O&M expenses capitalized	0	0	0	0	0	0
Net Expenditure	1,789	1,934	2,139	2,555	3,046	3,485
Add Return on Capital Employed	193	233	366	542	667	750
Total Distribution ARR	1,983	2,167	2,505	3,097	3,713	4,236
Less: Wheeling Revenue from Third Party/Open Access/NTI (if any)	223	186	192	199	208	219
Revenue Requirement, (Net transferred to Retail Supply Business)	1,759	1,981	2,313	2,898	3,505	4,016

7. Wheeling Charges and Losses

The Licensee is striving to reduce the losses by the implementation of loss reduction measures like strengthening of the network infrastructure, addition of network elements, and vigorously undertaking the Energy Audit visit to keep a close tab on the losses. Hence, the Licensee humbly requests the Hon'ble Commission to approve the loss trajectory as given in the table below.

APEPDCL	FY 2018-19*	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
Annual LT Loss %	4.16%	4.13%	4.11%	4.08%	4.05%	4.02%
Annual 11 kV Loss %	3.33%	3.28%	3.25%	3.20%	3.15%	3.10%
Annual 33 kV Loss %	2.82%	2.81%	2.80%	2.79%	2.78%	2.77%

The licensee is proposing the following distribution wheeling charges for each of the control period. The methodology for calculating the wheeling charges is explained in MYT write-up.

Voltage Level	FY20	FY21	FY22	FY23	FY24
33 kV (Rs./kVA/Month)	46	50	59	66	71
11 kV (Rs./kVA/Month)	383	418	488	549	631
LT (Rs./kVA/Month)	645	705	827	936	981

- A consumer drawing energy at the 33 kV level of the Distribution licensee network would have to pay the wheeling charges for 33 kV
- A consumer drawing energy at 11 kV level of the Distribution licensee network would have to pay the wheeling charges of 11 kV
- A consumer drawing energy at LT level of the Distribution licensee network would have to pay the wheeling charges for LT.

In the aforesaid facts and circumstances, the Applicant requests that this Hon'ble Commission may be pleased to:


- Take the accompanying ARR and Wheeling Tariff application of APEPDCL on record for Distribution Business and treat it as complete;
- Grant suitable opportunity to APEPDCL within a reasonable time frame to file additional material information that may be subsequently available;
- Consider and approve APEPDCL's ARR and Tariff application including all requested regulatory treatments in the filing;
- Pass such order as the Hon'ble Commission may deem fit and proper in the facts and circumstances of the case.

EASTERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED

(APPLICANT)

Through

Place: Visakhapatnam
Date: 06.12.2018


CHIEF GENERAL MANAGER
PPA, RA & QC:: APEPDCL

**BEFORE THE HONOURABLE ANDHRA PRADESH ELECTRICITY REGULATORY
COMMISSION
AT ITS OFFICE AT 4th FLOOR, SINGARENI BHAVAN, RED HILLS, HYDERABAD
500 004**

FILING NO. _____/2018

CASE NO. _____/2018

In the matter of:

Filing for the Multi-Year Tariff for the Distribution Business for the Fourth Control Period (FY 2019-20 to FY 2023-24) under Multi-Year Tariff principles in accordance with the “Andhra Pradesh Electricity Regulatory Commission (Terms And Conditions For Determination Of Tariff For Wheeling And Retail Sale Of Electricity) Regulation, 2005” by the EASTERN Power Distribution Company of Andhra Pradesh Limited (‘APEPDCL’ or ‘the Company’ or ‘the Licensee’) as the Distribution and Retail Supply Licensee.

In the matter of:

EASTERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED

... Applicant

**AFFIDAVIT OF APPLICANT VERIFYING THE APPLICATION ACCOMPANYING
FILING AS PER TERMS AND CONDITIONS OF TARIFF FOR WHEELING AND
RETAIL SALE OF ELECTRICITY**


I, Y.S.N. Prasad S/o of Y. Krishna Murthy, aged about 59 years working for gain at the Eastern Power Distribution Company of Andhra Pradesh Limited do solemnly affirm and say as follows:

- 1 I am the Chief General Manager/PPA,RA & QC of APEPDCL, the Licensee that has, vide the Hon’ble Commission’s approval in proceedings No. APERC/Secy/Engg/No.6 dt.31.3.2000, been granted the distribution and retail supply functions that APTransco was authorised to conduct or carry out under the Act and the license, with respect to the business of distribution and retail supply of electricity in the Eastern distribution zone in Andhra Pradesh. On December 27, 2000, the Hon’ble Commission has awarded a Distribution and Retail Supply License to APEPDCL, to be effective from April 1, 2001. I am competent and duly authorised by APEPDCL to affirm, swear, execute and file this affidavit in the present proceedings.
- 2 As such, I submit that I have been duly authorised by the Board of Directors of APEPDCL to submit the application, as per Terms And Conditions Of Tariff For Wheeling And Retail Sale of Electricity (Regulation 4 of 2005) of APEPDCL for the Control Period FY 2019-20 to FY 2023-24 to your Honourable Commission.

3. I submit that I have read and understood the contents of the appended application of APEPDCL. The facts stated in the application are true to the best of my knowledge, which are derived from the official records made available and certain facts stated are based on information and advice which, I believe to be true and correct.

I submit that for the reasons, and facts stated in the appended application this Applicant pray that the Honourable Commission may be pleased to

- (a) Take the accompanying Distribution MYT ARR and wheeling tariff application of APEPDCL on record and treat it as complete;
- (b) Grant suitable opportunity to APEPDCL within a reasonable time frame to file additional material information that may be subsequently available;
- (c) Consider and approve APEPDCL's Distribution MYTARR and wheeling tariff application including all requested regulatory treatments in the filing;
- (d) Pass such order as the Honourable Commission may deem fit and proper in the facts and circumstances of the case.



DEPONENT

CHIEF GENERAL MANAGER
PPA, RA & QC
A.P.E.P.D.C. LTD.
VISAKHAPATNAM-13

VERIFICATION:

I, the above named Deponent solemnly affirm at Visakhapatnam on this 6th day of December 2018 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.

Solemnly affirmed and signed before me.


DEPONENT

CHIEF GENERAL MANAGER
PPA, RA & QC
A.P.E.P.D.C. LTD.
VISAKHAPATNAM-13

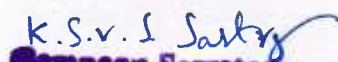

Company Secretary
CORPORATE OFFICE
Eastern Power Distribution
Company of A.P. Ltd.
VISAKHAPATNAM

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1 Aggregate Revenue Requirement of Distribution Business for 4thControl Period

APERC Regulation 4 of 2005 states that *“Every Distribution Licensee shall file for each of its licensed business an application for approval of its Aggregate Revenue Requirement (ARR) for each year of the Control Period, not less than 120 days before the commencement of the first year of the Control Period. This filing shall be in such form and in such manner as specified and in accordance with the Guidelines issued by the Commission. The Distribution Licensees may file such applications for ARR of the first Control Period within a period not less than 90 days before the commencement of the Control Period. The ARR filing for the Distribution business shall be for the entire Control Period”*

..

..

..

“The ARR filings shall contain the following

1. The Operation and Maintenance (O&M) costs which include employee-related costs, repair & maintenance costs and administrative & general costs, estimated for the Base Year and the year prior to the Base Year in complete detail, together with the forecast for each year of the Control Period based on the norms proposed by the Distribution Licensee including indexation and other appropriate mechanisms in terms of the principles enunciated in this Regulation for O&M cost allowance.

*2. Regulated Rate Base (RRB) for the Base Year and each year of the Control Period which requires submission of the working capital requirement and a detailed scheme/project-wise Capital Investment Plan with a capitalization schedule covering each year of the Control Period consistent with the Commission’s approved **Resource Plan (Refer Annexure)**.*

3. A proposal for appropriate capital structure and its cost of financing (interest cost and return on equity) for the purpose of computing Weighted Average Cost of Capital.

4. Targets proposed for reduction of distribution losses during the Control Period duly adhering to the Licensees’ Standards of Performance Regulation.

5. Details of depreciation, including Advance against depreciation if any required and capitalization schedules for each year of the Control Period.

6. Description of external parameters proposed to be used for indexation;

7. Details of taxes on income;

8. Any other relevant expenditure;
9. Proposals for sharing of gains and losses;
10. Proposals for efficiency parameter targets;
11. Proposals for rewarding efficiency in performance
12. Any other matters considered appropriate”

With reference to Point no. 2 mentioned above, the Distribution licensee has already filed the Resource Plan with the Hon’ble Commission covering the Sales Forecast, Load Forecast, Power Procurement Plan and Distribution Plan (Capital Investment Plan) consistent with the requirements of the Commission’s Guidelines on Load Forecast and Resource Plan. The details of the Resource plan filed with the Hon’ble Commission has been attached in Annexure-A.

It is to submit that, the APEPDCL has sought permission of the Hon’ble Commission vide letter dated 30.11.2018 for submission of ARR of Distribution Business for the fourth control period on or before 15.12.2018 , submitting the circumstances caused for delay in submission beyond the stipulated time.

1.1 Gross Fixed Assets Projections

1.1.1 Asset additions

The capital investment plan as projected in the Resource plan has been considered for arriving at the Distribution Cost for the next control period. Total capitalization for the Base Year and the Control Period has been projected based on the following assumptions:

- 1) Capitalization of Base Investment and Capital Work-in-Progress (CWIP): Capitalization of assets for MYT period has been considered based on historical actual capitalization trends and capital expenditure projected for the Control Period.
- 2) Capitalization of Expenses
 - a) Interest during Construction (IDC): Interest during Construction (IDC) has been calculated as a percentage of the average Capital Works-in-Progress for the year.
 - b) Operational and Maintenance (O&M) Expenses: Operational and Maintenance (O&M) Expenses capitalized has been projected at 11% of capital expenditure incurred for the year.

Thus, the licensee has projected capital investment undertaken and its capitalisation for the Base Year and Control Period as given below:

Closing Balance of CWIP = Opening Balance of CWIP + Capital Expenditure during the year+
Expenses Capitalized – Investment Capitalized

Table 1: Details of the Capital Works in Progress (CWIP)

Particulars	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
Opening Balance of Capital Work in Progress (CWIP)	399	1,359	1,935	1,181	551	643
Capital Expenditure during the year	1,414	1,372	991	1,103	1,286	1,462
Expenses Capitalized	156	151	109	121	141	161
Interest During Construction	33	71	140	134	75	52
Total expenses capitalized	188	222	249	255	217	213
Transfer to fixed assets	641	1,018	1,993	1,988	1,411	1,587
Closing CWIP	1,359	1,935	1,181	551	643	731

1.2 Depreciation

The depreciation every year for the particular asset class has been calculated as per below formula considering the Depreciation rates for respective asset class of asset base and also Fully Depreciated Assets during the control period.

Depreciation for the year = (Opening balance of the gross fixed assets for the year – Fully Depreciated Assets till previous year) * Rate of depreciation

The total depreciation for the year is calculated by adding the yearly depreciation of each asset class.

During FY2017-18, **Rs. 334.86Cr.** has been incurred towards depreciation (net of additions) which has been detailed below:

Table 2: Depreciation Details

Particulars - Rs. Crs.	2017-18 (Actual)
Opening Balance of assets	5,477
Asset Additions during the Year	954
Depreciation During the Year	335

The Depreciation rates as per Ministry of Power guidelines have been assumed to arrive at next 5 years depreciation which is shown below:

Table 3: Depreciation Rates' Details

Asset Class	Rate of Depreciation
Buildings and Other Civil Works	3.02%
Battery Chargers	33.40%
Material Handling Equipment	7.84%
Meters / Meter Equipment	12.77%
Office Equipment and Air Conditioners	12.77%
Plant & Machinery and Lines, Cables & Network	7.84%
Capacitor Banks	5.27%
Furniture & Fixtures	12.77%
Vehicle – Car / Jeep / Scooter / Motor Cycle/ Lorry / Truck	33.40%
Computers and IT Equipment	12.77%
Intangible assets (Software, Goodwill etc.)	10.00%

The Fully depreciated assets till the year have been deducted from the opening balance of the next year to calculate the depreciation. Depreciation computation after considering the Fully Depreciated Assets (FDA) balances is tabulated below:

Table 4: Depreciated Assets' Details

Particulars (Rs. Cr.)	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
Opening Balance of assets	6,430	7,071	8,090	10,083	12,071	13,482
Asset Additions during the Year	641	1,018	1,993	1,988	1,411	1,587
Fully Depreciated assets during the year	301	329	276	364	243	255
Depreciation During the Year	371	397	449	582	705	796

1.3 Consumer Contribution& Grants

The consumer contribution additions and Grants has been estimated based on the past trend and new consumer additions in the next 5 years of the control period.

Below table provides the projections of the Consumer Contribution in 4th Control period.

Table 5: Consumer Contribution Details

Particulars	FY19	FY20	FY21	FY22	FY23	FY24
Opening Balance	1,411	1,635	1,709	1,817	1,927	2,064
Additions during the year	398	210	252	263	300	338
Deductions during the year	174	136	144	153	163	175
Closing Balance	1,635	1,709	1,817	1,927	2,064	2,226

Below table provides the projections of the Grants in 4th Control period.

Table 6: Gramts Details

Particulars	FY19	FY20	FY21	FY22	FY23	FY24
Opening Balance	431	455	419	387	356	328
Additions during the year	60	0	0	0	0	0
Deductions during the year	36	36	33	30	28	26
Closing Balance	455	419	387	356	328	303

1.4 Working Capital

The licensee has projected the working capital requirement for the year as per below formula:

Working Capital (WC) requirement = 1/12th of the projected gross O&M cost for the year
+ 12% of the R&M cost towards O&M stores

The year wise projections of the working capital requirement are as follows:

Table 7: Working Capital details

Particulars	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
Working Capital	138	153	173	201	232	263

1.5 Regulated Rate Base (RRB)

The Hon'ble Commission has outlined principles for computation of Regulated Rate Base (RRB) in Regulation 4 of 2005.

Calculation of RRB

The honourable commission has proposed a computation methodology (in the excel spreadsheet) for the RRB calculation for the year, which is as follows:

"RRB = (OCFA – AD– CC) + ΔRAB+WC where,

- **OCFA:** Original Cost of Fixed Assets at the beginning of the Year available for use and necessary for the purpose of the licensed business.
- **AD:** Amounts written off or set aside on account of depreciation of fixed assets pertaining to the regulated business at the beginning of the Year.
- **CC:** Total contributions made by the users towards the cost of construction of distribution/service lines by the Licensee and also include the capital grants/subsidies received for this purpose at the beginning of the year.
- **ΔRAB:** Change in the Rate Base in the year. This component would be the average of the value at the beginning and end of the year as the asset creation is spread across a year and is arrived at as follows:

$$\Delta RAB = (Inv - D - CC)/2$$

- Inv: Investments projected to be capitalised during the year of the Control Period and approved.
- D: Amount set aside or written off on account of Depreciation of fixed assets for the year of the Control Period.
- CC: User Contributions pertaining to the ΔRAB and capital grants/subsidies received during year of the Control Period for construction of service lines or creation of fixed assets.

Based on the above computation methodology, RRB has been calculated as shown below table. The Original Cost of Fixed Assets (OCFA), Accumulated Depreciation and Total Consumer Contribution calculated for Base Year and 4thControl period i.e., from 2018-19 to 2023-24 are as follows:

Table 8: Regulated Rate Base Details

Particulars	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
Assets	7,071	8,090	10,083	12,071	13,482	15,068
-OCFA Opening Balance	6,430	7,071	8,090	10,083	12,071	13,482
-Additions to OCFA	641	1,018	1,993	1,988	1,411	1,587
Acc. Depreciation Closing Balance	3,421	3,818	4,267	4,849	5,554	6,350
-Acc. Depreciation Opening Balance	3,050	3,421	3,818	4,267	4,849	5,554
-Depreciation for the year	371	397	449	582	705	796
Con. Contributions& Grants closing balance	2,090	2,128	2,203	2,283	2,392	2,529
-Con. Contributions & Grants Opening Balance	1,843	2,090	2,128	2,203	2,283	2,392
-Additions to Con. Contributions&Grants	248	38	75	79	109	137
Working Capital	138	153	173	201	232	263
Change in Rate Base	11	292	734	663	298	327
Regulated Rate Base	1,687	2,005	3,052	4,477	5,470	6,126

1.6 Operation & Maintenance Expense Projections

The Operation & Maintenance (O&M) Expenses consist of the following components:

- a. Employee Expenses (EE) including Salaries, wages and other employee costs;
- b. Administrative & General costs (A&G) including legal charges, audit fees, rent, rates and taxes;
- c. Repairs and Maintenance (R&M) including equipment maintenance, repairs, fault corrections, etc.

Licensee has adopted method recommended by commission in 3rd Control period MYT order. Below is the methodology adopted by the licensee for projection of O&M expenses for 4th Control period:

a&b Employee expenses (EE) and Administrative and General (A&G) expenses

As per MYT order for 3rd Control period, commission has recommended all the licensees to project EE and A&G expense based on the norms linked to Number of Substations (SS), line length (Circuit KM), Number of consumers and Number of DTRs. Licensee has adopted the same methodology for projecting the employee expenses and A&G expenses for 4th Control period. The methodology for projecting employee expenses is explained below. Same methodology has been adopted for projecting A&G expenses:

- (1) For each year, actual Employee expenses (net of capitalisation) is allocated to Substations, Line length, DTRs and Consumers in the ratio of 49%:21%:10%:20%. The following ratios are calculated: Employee expense/ Substation, Employee expense/ circuit km of line length, Employee expense/ DTR, Employee expense/ Consumer.

Table below shows the historical data for Employee expenses (net of capitalisation), A&G expenses (net of capitalisation) and Number of Substations (SS), line length (Circuit KM), Number of consumers and Number of DTRs.

Table 9 - Employee and A&G expenses for 3rd Control period

Parameter	Unit	FY14	FY15	FY16	FY17	FY18
Employee Expenses (EE) – net of capitalization	Rs. Crs.	483	972	790	772	803
A&G Expenses – net of capitalization	Rs. Crs.	57	71	86	81	69
No. of Consumers	Nos.	5,055,580	5,107,208	5,351,042	5,590,733	5772499
Number of DTRs	Nos.	144,964	151,447	162,975	173,326	188287
Line Lengths	Kms	116,812	123,199	129,244	130,853	133605
Number of SS	Nos.	647	656	722	732	816

Table below shows the historical norms for the ratios:

Table 10 - Norms for Employee and A&G expenses

Parameter	Unit	FY14	FY15	FY16	FY17	FY18
EE / Consumers	Rs./Nos	191	380	295	276	278
EE / DTR	Rs./Nos	3,329	6,416	4,848	4,454	4,264
EE / Line	Rs./Kms	8,676	16,562	12,837	12,390	12,620
EE /SS	Rs./Nos.	3,654,911	7,257,461	5,361,924	5,167,948	4,821,185
A&G Exp/ Consumers	Rs./Nos.	22	28	32	29	24
A&G Exp/DTR	Rs./Nos.	392	466	528	467	365
A&G Exp/line	Rs./Kms	1,022	1,203	1,398	1,299	1,079
A&G Exp/SS	Rs./Nos.	430,605	527,194	584,006	541,941	412,146

- (2) To arrive at the average of these ratios, the Licensee has considered the data from FY 2013-14 onwards. Average of these ratios for the 5 years between FY2013-14 and FY2017-18 has been considered as the norms for FY2015-16. These norms for FY2015-16 are escalated for by using the escalation rate calculated based on the WPI and CPI index as shown below:

Escalation Rate: For the projections of the expenses, licensee has considered the escalation (inflation) rate as calculated from the WPI and CPI indexes in the 3rd Control period as shown below.

Inflation rate depends on the Consumer Price Index (CPI) for industrial workers and Wholesale Price Index (WPI). The below table lists the CPI (Industrial Worker) and WPI data from FY12 to FY18.

Table 11: CPI, WPI data for FY2013-14 to FY2017-18

Particulars	FY12	FY13	FY14	FY15	FY16	FY17	FY18
WPI	100.0	106.9	112.5	113.9	109.7	111.6	114.9
CPI	194.8	215.2	236.0	250.8	265.0	275.9	284.4

Source: CPI - www.labourbureau.nic.in, WPI - www.eaindustry.nic.in (Office of the Economic Advisor website)

Basis the observed historical CPI and WPI numbers (CPI- Industrial Workers: 40% and WPI: 60%) and calculated the inflation factor based on the illustrative methodology suggested by CERC as shown below:

Table 12 - Calculation for Inflation Rate

Year	WPI	CPI	Composite number	Rt= Yt/Y1	Ln (Rt)	Year - 1	Product
FY12	100	194.8	137.9				
FY13	106.9	215.2	150.2	1.09	0.09	1	0.09
FY14	112.5	236.0	161.9	1.17	0.16	2	0.32
FY15	113.9	250.8	168.7	1.22	0.20	3	0.60
FY16	109.7	265.0	171.8	1.25	0.22	4	0.88
FY17	111.6	275.9	177.3	1.29	0.25	5	1.26

Year	WPI	CPI	Composite number	Rt= Yt/Y1	Ln (Rt)	Year - 1	Product
FY18	114.9	284.4	182.7	1.32	0.28	6	1.69
A= Sum of Product column			4.83				
B= 6A			28.98				
C= n(n-1)(2n-1); n= number of years of data			546.00				
D=B/C			0.05				
g= exp (D)-1			0.05				
Escalation rate= g*100			5.45				

The inflation factor is observed to be 5.45% during 3rd Control period. However, for projections of the expenses, licensee has considered 95% of this escalation rate which is 5.16%.

Below are the projected norms for FY2015-16 onwards.

Table 13- Projected norms for Employee and A&G expenses (FY17 to FY18)

Parameter	FY16	FY17	FY18
EE / Consumers	284	299	314
EE / DTR	4,662	4,903	5,156
EE / Line	12,617	13,268	13,953
EE /SS	5,252,686	5,523,724	5,808,748
A&G Exp/Consumers	27	28	30
A&G Exp/DTR	444	466	491
A&G Exp/line	1,200	1,262	1,327
A&G Exp/SS	499,179	524,936	552,023

Table 14 - - Projected norms for Employee and A&G expenses (FY19 to FY24)

Parameter	FY19	FY20	FY21	FY22	FY23	FY24
EE / Consumers	331	348	366	384	404	425
EE / DTR	5,422	5,701	5,996	6,305	6,630	6,973
EE / Line	14,672	15,430	16,226	17,063	17,943	18,869
EE /SS	6,108,480	6,423,677	6,755,139	7,103,704	7,470,256	7,855,721
A&G Exp/Consumers	31	33	35	37	38	40
A&G Exp/DTR	516	542	570	600	631	663
A&G Exp/line	1,396	1,468	1,544	1,623	1,707	1,795
A&G Exp/SS	580,507	610,461	641,961	675,086	709,921	746,553

- (3) The projected ratios based on the escalation rates are multiplied by the projected Number of Substations (SS), line length (Circuit KM), Number of consumers and Number of DTRs in order to arrive at the employee expenses and A&G expenses for the respective years of 4th Control period.

Table below shows the projected Number of Substations (SS), line length (Circuit KM), Number of consumers and Number of DTRs and the projected employee expense and A&G expenses:

Table 15 - Projections for Employee and A&G expenses

Parameter	Unit	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
No. of Consumers	Nos.	5,983,154	6,202,996	6,361,401	6,571,725	6,789,502	7,015,013
Number of DTRs	Nos.	195,657	202,167	209,977	218,647	228,427	239,077
Line Lengths	Kms	140,116	146,091	152,500	159,600	167,549	176,239
Number of SS	Nos.	945	1,123	1,246	1,381	1,533	1,698
Employee Expenses	Rs. Cr.	1,157	1,278	1,448	1,644	1,872	2,131
A&G Expenses	Rs. Cr.	103	121	138	156	178	203

- c. Repair and Maintenance (R&M) Expenses –In the 3rd Control Period Hon'ble APERC has approved Repairs & Maintenance (R&M) cost as 2.05% of the opening balance of Gross Fixed Assets (GFA) pertaining to the year of consideration. The distribution licenses are contemplating to step up the activities on periodical and preventive maintenance for keeping the distribution system in a tidy condition. DISCOMs are monitoring the outages with internationally renowned indices such as SAIFI & SAIDI etc. To meet such standards, the system downtimes are to be kept at very low and optimum levels. The present system is to be checked thoroughly and strict maintenance schedules and procedures are to be planned & implemented. Further the Hon'ble APERC has been providing Rs 5 crores per year for enhancing the Safety provisions. Since these provisions are network related, these special provisions on safety are proposed to be accounted for in Network ARR under R&M expenditure with effect from FY 2019-20. Further, there is an increase of around 50% to the wages to the outsourcing employees deployed in Substations for carrying out operation & maintenance services. In view of the above, it is necessitated for enhancement of the R&M norm from the existing level of 2.05% to 2.50% for the 4th Control Period.

Table below shows the projections summary of the R&M expenses:

Table 16 - R&M expenses projections for 4th Control period

Name of the Parameter	FY19	FY20	FY21	FY22	FY23	FY24
Average R&M as % of Opening GFA	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
Opening GFA	6,430	7,071	8,090	10,083	12,071	13,482
R&M expenses	161	177	202	252	302	337

O&M projections summary for the Control period and break-up are shown in the table below.

Table 17 - Summary of O&M expense projections

Parameter	Unit	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
Employee Cost (Net)	Rs. Crs	1,157	1,278	1,448	1,644	1,872	2,131
A&G Cost (Net)	Rs. Crs	103	121	138	156	178	203
R&M Cost	Rs. Crs	161	177	202	252	302	337
Total O&M Expenses	Rs. Crs	1,421	1,576	1,787	2,052	2,351	2,671

1.7 Weighted Average Cost of Capital (WACC)

The Regulation prescribes that the licensees will be compensated for the financing costs through Return on Capital Employed (ROCE) principles. This principle is aimed to provide the licensee with the return on debt as well as return on equity at a normative level. The licensee has computed the ROCE as provided in the Clause 15 of the Regulation which specifies that the ROCE be computed by multiplying the Regulated Rate Base (RRB) by the Weighted Average Cost of Capital (WACC).

The Regulation specifies the following methodology for computation of ROCE:

Return on Capital Employed (RoCE) for the RRB for the year 'i' shall be computed in the following manner:

$$\text{RoCE}_i = \text{WACC} * \text{RRB}_i$$

Where RRB_i is the Regulated Rate Base for the year 1 and WACC is the Weighted Average Cost of Capital. The detailed computation of RRB is explained in Section 2.5 above. With respect to the WACC, the Regulation specifies the formula as follows:

$$\text{WACC}_{\text{RRB}} = \left[\frac{D/E}{1 + D/E} \right] r_d + \left[\frac{1}{1 + D/E} \right] r_e$$

Where,

D/E is the Debt to Equity Ratio – Licensee is proposing a normative Debt: Equity ratio of 75:25

- r_d is the Cost of Debt – Licensee has considered the cost of debt as the weighted average of the debt rates for the ongoing loans and projected loans.

Table 18 - Calculation of Debt Rate

Particulars	FY19	FY20	FY21	FY22	FY23	FY24
Ongoing Loans (Opening balance)	397	540	499	459	407	361
Debt rate of Ongoing Loans	8.3%	8.5%	8.3%	8.1%	7.8%	7.5%
New Loans (Opening balance)	0	1,054	2,216	2,954	3,689	4,453
Debt rate of New Loans	11.5%	12.0%	12.0%	12.0%	12.0%	12.0%
Weighted Average of Debt rate	10.6%	10.8%	11.3%	11.5%	11.6%	11.7%

The following are the various funding agencies for the ongoing loans in 4th Control Period.

Table 19 - Funding Agencies for FY18, FY19, FY20

Table 19 - Funding Agencies for FY18, FY19, FY20							
Sr. No.	Funding Agency	FY18		FY19		FY20	
		Closing Balance	IR	R	IR	R	IR
Working Capital loans							
1	PFC	947.91	10.20%	300.00	10.20%		
2	REC	950.00	9.95%	70.00	9.95%	500	9.95%
3	PTC	200.00	10.50%	0.00	10.50%		
4	TSNPDCL	16.14	0.00%	0.00	0.00%		
5	APGenco	301.49	9.95%	0.00	9.95%		
6	Bank of India & IOB	127.51	10.38%	0.00	10.38%		
7	SBI & Andhra Bank, Syndicate Bank	544.28	11%				
Other Long term loans							
1	REC	240.65	10% to 11%	120.47	10% to 11%		
2	PFC	136.85	10.25%-10.6%	58.28	10.25%		
3	PFC GEL	19.90	9.78%				
Total		3484.73		548.75		500	

R: Receipts of loans (Rs. Cr.); IR: Annual interest Rate (%)

Table 20 - Funding Agencies for FY21, FY22, FY23, FY24

Sr. No.	Funding Agency	FY21		FY22		FY23		FY24	
		R	IR	R	IR	R	IR	R	IR
1	REC (Working capital)	500	9.95%	700	9.95%	1000	9.95%	1000	9.95%
Total		500		700		1000		1000	

R: Receipts of loans (Rs. Cr.); IR: Annual interest Rate (%)

It is to be noted that currently World Bank loans are currently being considered as loans in books of accounts and not as grants.

- r_e is the Return on Equity – It has been the prevailing regulatory practice to consider 14% as the Return on Equity (ROE) in the ARR of Network business of AP Power Utilities. The APDISCOMs request the Hon'ble APERC to continue the same practice for the 4th Control period also, in view of the prevailing equity market conditions.

Based on the RRB explained earlier, the WACC and the ROCE for the 4thControl Period is as follows:

Table 21: Projected WACC

Particulars	FY19	FY20	FY21	FY22	FY23	FY24
Capital Structure						
Debt Percent	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%
Equity percent	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
Cost of Funds						
Cost of Debt percent	10.6%	10.8%	11.3%	11.5%	11.6%	11.7%
Return on Equity percent	14.0%	14.0%	14.0%	14.0%	14.0%	14.0%
WACC	11.5%	11.6%	12.0%	12.1%	12.2%	12.2%

1.8 Return on Equity

As per the Hon'ble Commission MYT Tariff order, the Return on Equity considered for arriving at Weighted Average Cost of Capital is taken as 14%.

1.9 Return on Capital Employed

The licensee has arrived at RoCE for all five years of the control period as a product of Regulated Rate Base (RRB) and Weighted Average Cost of Capital (WACC) which is as follows:

Table 22: Projected ROCE (Rs. Cr.)

Particulars	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
Regulated Rate Base	1,687	2,005	3,052	4,477	5,470	6,126
WACC	11.5%	11.6%	12.0%	12.1%	12.2%	12.2%
Return on Capital Employed	193	233	366	542	667	750

1.10 Special Appropriations for safety measures

Licensee has not considered any additional cost towards safety measures for the 4th Control period as the same is covered under O&M expenses.

1.11 Taxes on Income

The licensee projects 20% tax (Minimum Alternate Tax) on Return on Equity during the current fiscal and during ensuing control period. The details are as follows:

Table 23: Projected Taxes on Income

	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
RRB	1,687	2,005	3,052	4,477	5,470	6,126
25% of Regulatory Rate Base	422	501	763	1,119	1,367	1,531
ROE %	14.0%	14.0%	14.0%	14.0%	14.0%	14.0%
Expected return on Equity portion of RRB @ 14% on 25% of RRB	59	70	107	157	191	214
Tax on Income @ 20%	15	18	27	39	48	54

1.12 Other Expenses

Other expenses include miscellaneous losses, write offs etc. The Licensee expects the other expenses to increase marginally by 3% every year. The table below shows the components of other expenses.

Table 24: Other Expenses Details

Particulars	FY19	FY20	FY21	FY22	FY23	FY24
Other Expenses	14.9	15.4	15.8	16.3	16.8	17.3

1.13 Non-tariff income

Licensee has projected the non-tariff income based on the historical actual non-tariff income. Below is the summary of the non-tariff income for the 4th control period.

Table 25 - Projections of Non-tariff income

Particulars for 33 kV OA Consumers	FY18 (Actual)	FY19	FY20	FY21	FY22	FY23	FY24
Staff Loans & Advances	5.29	5.37	5.64	6.39	7.14	7.89	8.64
Fines & Penalties from Suppliers & Contractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Profit on Sale of Scrap	11.46	5.00	5.25	5.51	5.79	6.08	6.38
Sale of Tender Schedules	0.32	0.25	0.25	0.25	0.25	0.25	0.25
Rental from Contractors	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Supervision Charges	3.92	0.60	0.61	0.62	0.64	0.65	0.66

Particulars for 33 kV OA Consumers	FY18 (Actual)	FY19	FY20	FY21	FY22	FY23	FY24
Miscellaneous Income	3.83	2.00	2.04	2.08	2.12	2.16	2.21
Withdrawal from Consumer Contribution towards Depreciation on Fixed Assets	182	210	172	177	183	191	201
Total (Rs. Crs.)	207	223	186	192	199	208	219

1.14 Revenue Requirement

Following table shows the projected revenue requirement for the distribution licensee during the 4th Control Period.

Table 26: Projected Revenue Requirement for 4th Control Period

Particulars	FY19 (RE)	FY20	FY21	FY22	FY23	FY24
O&M Charges (Net)	1,421	1,576	1,787	2,052	2,351	2,671
Depreciation	371	397	449	582	705	796
Advance Against Depreciation	0	0	0	0	0	0
Taxes on Income	15	18	27	39	48	54
Other Expenditure	15	15	16	16	17	17
Special Appropriations	0	0	0	0	0	0
Total Expenditure	1,822	2,005	2,279	2,689	3,121	3,538
Less: IDC and expenses capitalized*	33	71	140	134	75	52
Less: O&M expenses capitalized	0	0	0	0	0	0
Net Expenditure	1,789	1,934	2,139	2,555	3,046	3,485
Add Return on Capital Employed	193	233	366	542	667	750
Total Distribution ARR	1,983	2,167	2,505	3,097	3,713	4,236
Less: Non-Tariff Income (NTI), Wheeling Revenue from Third Party/Open Access (if any)	223	186	192	199	208	219
Revenue Requirement, (Net transferred to Retail Supply Business)	1,759	1,981	2,313	2,898	3,505	4,016

2 Wheeling Charges and Losses

The licensee has determined voltage wise wheeling charges and losses to recover ARR and distribution network losses. As per the Regulation, the licensee has determined the ARR for the distribution business and that forms the basis for determination of wheeling charges.

2.1 Determination of voltage wise demand

The Distribution Licensee has captured the historical Contracted Demand of 33 kV and 11 kV. Whereas, Coincident demand of LT category has been considered due to high diversity factor in LT connected load, restricted supply given to agricultural consumers. The coincident demand has been considered as the average of the contracted demand for each year.

Below are the Contracted Demand of 33 kV and 11 kV and Coincident demand of LT for each year of the third Control Period.

Table 27 - Contracted demand and Coincident demand

Parameter	Voltage Level	FY14	FY15	FY16	FY16	FY18
Contracted Load – CD₃₃	33 kV	364	421	465	506	550
Contracted Load – CD₁₁	11 kV	567	626	689	740	792
Coincident Demand – CID_{LT}	LT	1,350	1,400	1,492	1,599	1,726

Considering the historical growth of the above, the Licensee has projected the Contracted Demand of 33 kV and 11 kV and Coincident demand of LT for each year of the 4thControl Period as shown in the below table.

Table 28: Voltage-wise Demand

Parameter	Voltage Level	FY20	FY21	FY22	FY23	FY24
Contracted Load – CD₃₃	33 kV	677	751	833	924	1,025
Contracted Load – CD₁₁	11 kV	937	1,018	1,107	1,204	1,309
Coincident Demand – CID_{LT}	LT	1,952	2,076	2,208	2,348	2,497

The Load at 33 KV contributed from all voltages was computed by adding up the following

- Grossed up 33 kV Contracted Load with 33 kV losses
- Grossed up 11 kV Contracted Load with 11 kV losses and further by 33 kV losses
- Grossed up Coincident Demand of LT with LT losses and further by 11kV and then by 33 kV losses

The Load at 11 kV contributed from all the voltages was computed by adding the following

- Grossed up 11 kV Contracted load with 11 kV losses

- Grossed up Coincident Demand of LT with LT losses and further by 11kV

The Load at LT contributed from all the voltages was computed by adding the following

- Grossed up Coincident Demand of LT with LT losses

Below is the assumptions considered for wheeling losses.

The licensee has taken various steps to reduce the losses like strengthening of the network infrastructure, addition of network elements, and vigorously undertaking the Energy Audit visit to keep a close tab on the losses. The licensee has considered the losses for FY 2018-19 as per approved figures in Retail ARR Tariff Order for FY 2018-19.

Based on the historical performance and the loss reduction measures carried out in the state, both the licensees have projected the losses for 4th and 5th control period as mentioned in the table below.

Table 29 - Loss Trajectory for licensee

Voltage Level	FY 19*	FY20	FY21	FY22	FY23	FY24
LT	4.16%	4.13%	4.11%	4.08%	4.05%	4.02%
11 kV	3.33%	3.28%	3.25%	3.20%	3.15%	3.10%
33 kV	2.82%	2.81%	2.80%	2.79%	2.78%	2.77%

**Distribution loss in % as approved by the commission in Retail Tariff Order of FY 2018-19*

The losses has been considered as per the Resource Plan filed with APERC for the 4th and 5th Control Period.

The below table lists the Demand and Contracted load after adjusting for the losses:

Table 30: Voltage-wise Load after loss adjustment

	FY20	FY21	FY22	FY23	FY24
Load at 33 kV from all voltages	3,860	4,158	4,480	4,829	5,205
Load at 11 kV from all voltages	3,074	3,291	3,522	3,770	4,036
Load at LT from all voltages	2,037	2,165	2,302	2,447	2,602

2.2 Determination of voltage wise Gross Fixed Assets

The Distribution licensee has projected voltage wise asset base (GFA) for each year of the control period based on opening GFA and projected assets addition. The following table summarizes voltage wise assets for each year of the MYT 4th Control Period:

Table 31: Voltage-wise Asset Base

Voltage level	FY20	FY21	FY22	FY23	FY24
33 kV	906	1,130	1,352	1,510	1,688
11 kV	4,814	6,000	7,183	8,022	8,966
LT	2,370	2,954	3,536	3,949	4,414
Total	8,090	10,083	12,071	13,482	15,068

The GFA additions are projected based on physical assets added to the respective voltages. However, voltage wise GFA should be segregated based on exclusive utilization of asset for the respective voltage level i.e. 11 kV assets being used by 11 kV loads and LT loads, 33 kV assets being used by 33 kV, 11 kV and LT loads. Exclusive voltage wise assets have been segregated based on Contracted demand for 33 kV and 11 kV and Coincident demand for LT after adjusting for losses - apportioning of 33 kV asset base towards 33 kV, 11 kV and LT, apportioning of 11 kV asset base towards 11 kV and LT. The LT asset base is considered 100% towards LT. Voltage wise asset base after apportioning is as shown below:

Table 32: 33 kV Voltage Asset Base Apportioning

	FY20	FY21	FY22	FY23	FY24
33 kV	164	210	259	297	342
11 kV	234	294	355	400	451
LT	509	626	738	813	896
Total	906	1,130	1,352	1,510	1,688

Table 33: 11 kV Voltage Asset Base Apportioning

	FY20	FY21	FY22	FY23	FY24
11 kV	1,516	1,919	2,333	2,645	3,002
LT	3,297	4,081	4,850	5,377	5,964
Total	4,814	6,000	7,183	8,022	8,966

Table 34: LT level Asset Base Apportioning

	FY20	FY21	FY22	FY23	FY24
LT	2,370	2,954	3,536	3,949	4,414
Total	2,370	2,954	3,536	3,949	4,414

Table 35: Total Asset Base Apportioning at each voltage level

	FY20	FY21	FY22	FY23	FY24
33 kV	164	210	259	297	342
11 kV	1,750	2,213	2,688	3,046	3,452
LT	6,176	7,660	9,124	10,139	11,274
Total	8,090	10,083	12,071	13,482	15,068

2.3 Allocation of ARR Cost allocation methodology

Distribution Licensee has proposed allocation of ARR components to the various voltages for determination of wheeling charges as shown below:

2.3.1 O&M Expense allocation

1) Employee Expenses (EE) and Administrative & General Expenses (A&G)

Employee expenses and A&G expenses have been apportioned as per the distribution of No. of Consumers, Number of DTRs, Length of lines and Number of SS.

- Licensee projected the voltage wise No. of Consumers, Number of DTRs, Lengths of lines and Number of SS and then observed voltage-wise percentage of each of these parameters.
- As per employee expenses and A&G expenses projections done in section 2.6, licensee allocated these expense into SS, line length, DTR and consumer in the ratio of 49% : 21% : 10% : 20%.
- Expense allocation of SS, line length, DTR and consumers are then apportioned to LT, 11kV and 33kV voltage level as per the observed percentages of these parameters.

2) Repairs & Maintenance (R&M) expenses

The Distribution licensee has observed that the actual R&M expenses are a function of asset base. An increase in the asset base leads to a proportional increase in R&M expenses. Hence, R&M Expenses have been allocated based on the voltage level asset base (net).

2.3.2 Depreciation, Interest/ROCE, Taxes and Other Expenses

Depreciation Interest/ROCE, Taxes and Other Expenses computation is directly linked to the asset base. Hence, they have been allocated based on the apportioned asset base.

ARR

The voltage wise ARR has been arrived with the methodology explained above which is summarized in the below table:

Table 36: ARR for Wheeling Charges

		FY20	FY21	FY22	FY23	FY24
ARR₃₃	33 kV	38	45	59	74	87
ARR₁₁	11 kV	431	511	648	793	991
ARR_{LT}	LT	1,512	1,757	2,191	2,638	2,938
	Total	1,981	2,313	2,898	3,505	4,016

The voltage wise wheeling charges are computed by dividing the ARR at that voltage level divided by the Demand at that voltage level arrived in section 3.2 as summarized in the below table.

Table 37: Computaiton for Voltage-wise Wheeling Charges

Voltage Level	Voltage-wise wheeling charges
33kV	ARR_{33} / CD_{33}
11kV	ARR_{11} / CD_{11}
LT	ARR_{LT} / CID_{LT}

CD - Contracted demand adjusted for losses

CID - Coincident demand

Based on the methodology explained above, the licensee is proposing the following distribution wheeling charges for each of the control period.

Table 38: Distribution Wheeling Charges for 4th Control Period

Voltage Level	FY20	FY21	FY22	FY23	FY24
33 kV (Rs./kVA/Month)	46	50	59	66	71
11 kV (Rs./kVA/Month)	383	418	488	549	631
LT (Rs./kVA/Month)	645	705	827	936	981

- A consumer drawing energy at the 33 kV level of the Distribution licensee network would have to pay the wheeling charges for 33 kV
- A consumer drawing energy at 11 kV level of the Distribution licensee network would have to pay the wheeling charges of 11 kV
- A consumer drawing energy at LT level of the Distribution licensee network would have to pay the wheeling charges for LT

Annexure A – Resource Plan

3 Sales Forecast, Load Forecast, Capital Expenditure

3.1 Sales Projections for Non-scheduled Consumers

Based on projected CAGRs, category-wise sales projections for 4th & 5th Control Period has been shown below:

Table 39 - Sales projections for 4th Control Period (MUs)

Consumer Category	FY18 (Actual)	FY19*	FY20*	FY21	FY22	FY23	FY24	CAGR
LT Category								
LT-I Domestic	5,031	5,316	5,671	6,590	7,212	7,894	8,640	9.4%
LT-II Non-domestic/Commercial	979	1,040	1,124	1,288	1,432	1,594	1,780	10.5%
LT-III Industrial	1,283	1,562	1,817	1,921	2,199	2,520	2,888	14.5%
LT-IV Cottage Industries	2.3	3	3	2.42	2.44	2.47	2.49	1.0%
LT-V Agriculture	2,188	2,078	2,281	2,353	2,436	2,522	2,610	3.0%
LT-VI Street Lighting & PWS	226	231	237	240	245	250	255	2.0%
LT-VII General Purpose	54	65	70	66	71	76	82	7.2%
LT-VIII Temporary Supply	0.64	0.8	0.8	0.68	0.69	0.71	0.72	2.0%
LT Total	9,764	10,296	11,202	12,461	13,598	14,858	16,258	8.9%
HT Category								
HT-I Industry	4,032	4224	4449	4,761	5,040	5,339	5,661	5.8%
HT-I (B) Ferro-Alloys	2,467	2824	3293	3,397	3,782	4,211	4,691	11.3%
HT-II Others (Commercial)	591	655	682	669	705	743	783	4.8%
HT-III Public Infrastructure and Tourism	42	38	39	49	52	55	58	5.3%
HT - IV Agriculture	411	478	1,391	1,430	1,472	1,517	1,562	24.9%
HT-V Railway Traction	674	691	711	715	729	744	759	2.0%
HT-VI Townships and Residential Colonies	31	26	27	33	34	35	36	2.6%
HT-VII Green Power	0	0	0	0	0	0	0	0.0%
HT-VII RESCOs	331	342	363	440	484	533	586	10.0%

Consumer Category	FY18 (Actual)	FY19*	FY20*	FY21	FY22	FY23	FY24	CAGR
HT-VIII Temporary Supply	8.20	11	11	8.5	8.6	8.7	8.8	1.1%
HT Total	8,587	9,290	10,966	11,502	12,307	13,185	14,144	8.7%
LT+HT Total	18,351	19,586	22,168	23,963	25,905	28,043	30,402	8.8%

*Sales for FY19 and FY 20 has been taken as per revised estimates as per ARR filing for FY2019-20. For Remaining years, sales estimates has been taken as per Resource Plan filed for 4th and 5th Control Period.

3.2 Sales forecast for Open Access Consumers

Table 40 - Sales projections for 4th Control Period (MUs) – Open Access

OA Categories	FY19	FY20	FY21	FY22	FY23	FY24
3rd Party	324	324	324	324	364	364
IEX	353	389	427	470	517	569
Intrastate	196	215	237	261	287	315
EVs (To be met by IEX)	0	3	13	31	55	88
Total (MUs)	873	931	1001	1086	1223	1336

3.3 Load Forecast

On the basis of Energy Input at 33 kV level for Discom and circle and assumed load factors for FY2017-18, licensee projected demand in MW for 4th and 5th control period as per formula mentioned below:

$$\text{Peak Demand (MW)} = \text{Energy required} / (24 \times 365 / 1000) / \text{load factor}$$

3.3.1 State Level Demand forecast

The peak demand forecasted at the state level has been shown below:

Table 41 - State peak demand for 4th Control Period

Parameters	FY18 (Actuals)	FY19	FY20	FY21	FY22	FY23	FY24	CAGR
Energy Req at state level (MUs)	56,209	63,448	67,713	73,212	79,146	85,776	93,106	8.8%
State Peak Demand (MW)	8,983	10,532	11,450	12,219	13,209	14,315	15,539	9.6%

3.3.2 Circle/Discom Level Demand forecast

On the basis of non-coincident load factors and energy input at 33 kV level each Discom & circle level, mentioned above, non-coincident peak demands at Discom level & at circle level have also been estimated. Summary of the non-coincident peak demands at licensee is shown below:

Table 42 - Licensee Non-coincident peak demand (MW)

Circle/Peaks at 33 kV level	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29
Srikakulam	180	200	218	238	261	285	312	342	377	417	464	511
Vizianagaram	224	251	273	298	326	356	390	427	468	517	573	637
Visakhapatnam	617	696	749	807	870	938	1,013	1,095	1,184	1,288	1,404	1,535
Rajahmundry	690	739	800	868	943	1,027	1,119	1,222	1,335	1,468	1,620	1,792
Eluru	830	918	1,122	1,198	1,283	1,383	1,488	1,604	1,733	1,883	2,053	2,246
EPDCL	2,222	2,434	2,742	2,956	3,191	3,456	3,742	4,058	4,399	4,806	5,268	5,787

3.4 Capital Expenditure Projections for 4th and 5th Control Period

Table 43 – Total Forecasted CAPEX under DISCOM spend for 4th

Sr. No.	Item	FY19	FY20	FY21	FY22	FY23	FY24
1	Investment under ongoing schemes	609	471	41	0.75	0.75	0.75
2	New Investment	804	901	950	1,102	1,285	1,461
Total (Rs. Cr.)*		1,414	1,372	991	1,103	1,286	1,462

Company Name	EPDCL
Filing Date (dd/mm/yy)	Annual
Multi Year Tariff Period	FY2020 to YF2024
Year	FY2019
Date Submitted	
No. of Years	5
Type of Data	Filing
Business type	Distribution

S. No.	Title	Form No.
1	Revenue Requirement	Form 1.0
2	Regulated Rate Base	Form 1a
3	Capital Structure	Form 1b
4	Wheeling Revenue from Third Party/Open Access	Form 1 c
5	BALANCE SHEET	Form 1.1(i)
6	GROSS FIXED ASSETS	Form 1.1 a
7	ACCUMULATED DEPRECIATION	Form 1.1 b
8	Capital Work in Progress	Form 1.1 c
9	INVESTMENT PLAN	Form 1.1d
10	Voltage wise asset base	Form 1.1e
11	New Loans	Form 1.1 g(i)
12	Loans	Form 1.1g
13	FOREIGN CURRENCY LOANS & CREDIT	Form 1.1h
14	CURRENT ASSETS	Form 1.1j
15	CURRENT LIABILITIES	Form 1.1k
16	RESERVES	Form 1.1n
17	Cash Flow Statement	Form 1.2
18	Operation and Maintenance Expenses	Form 1.3a
19	WORKING CAPITAL	Form 1.3(i)
20	Other Expenses	Form 1.3i
21	Distribution System Losses	Form 3.3
22	Contributions and Grants	Form 7.0
23	Revenue Surplus / (deficit) at current tariffs	Form 8
24	Revenue Surplus / (deficit) at Proposed tariffs	Form 9
25	Non Tariff Income	Form 10

Form 1.0 - Revenue Requirement

This form refers to the net revenue requirements transferred to Retail Supply Business

Amount in Rs Crores

Particulars	D Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Operation and Maintenance Charges		1421.06	1575.89	1787.39	2052.13	2351.41	2670.97
Depreciation		371.25	396.69	449.16	581.83	705.26	795.74
Advance Against Depreciation		0.00	0.00	0.00	0.00	0.00	0.00
Taxes on Income		14.76	17.54	26.70	39.18	47.86	53.60
Other Expenditure		14.92	15.37	15.83	16.31	16.80	17.30
Special Appropriations		0.00	0.00	0.00	0.00	0.00	0.00
Total Expenditure		1821.99	2005.50	2279.08	2689.45	3121.33	3537.61
Less: IDC and expenses capitalized*		32.51	71.31	139.94	134.14	75.27	52.23
Less: O&M expenses capitalized		0.00	0.00	0.00	0.00	0.00	0.00
Net Expenditure		1789.48	1934.18	2139.14	2555.31	3046.06	3485.38
Add Return on Capital Employed		193.20	232.76	366.04	542.17	666.74	750.26
Total Distribution ARR		1982.69	2166.95	2505.18	3097.48	3712.79	4235.64
Less: Wheeling Revenue from Third Party/Open Access/NTI (if any)		223.47	186.16	191.86	199.28	208.10	219.27
Revenue Requirement, (Net transferred to Retail Supply Business)		1759.22	1980.79	2313.32	2898.20	3504.69	4016.36

*To be provided only if included as part of Total expenditure

Form 1a - Regulated Rate Base

This form pertains to the rate base calculation

Amount in Rs Crores

Particulars	D Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Assets		7071.44	8089.73	10083.09	12071.02	13481.84	15068.42
OCFA Opening Balance		6430.31	7071.44	8089.73	10083.09	12071.02	13481.84
Additions to OCFA		641.13	1018.29	1993.36	1987.92	1410.83	1586.58
Depreciation		3421.01	3817.70	4266.86	4848.69	5553.96	6349.69
Opening Balance		3049.76	3421.01	3817.70	4266.86	4848.69	5553.96
Depreciation during the Year		371.25	396.69	449.16	581.83	705.26	795.74
Consumer Contributions		2090.30	2128.19	2203.46	2282.93	2392.19	2528.90
Cons Contributions Opening Balance		1842.63	2090.30	2128.19	2203.46	2282.93	2392.19
Additions to Cons Contributions		247.67	37.89	75.27	79.46	109.26	136.72
Working Capital		137.71	152.54	173.22	201.26	232.16	263.03
Change in Rate Base		11.10	291.86	734.47	663.31	298.15	327.06
Regulated Rate Base		1686.73	2004.52	3051.52	4477.34	5469.71	6125.79

Form 1b - Capital Structure

This form pertains to the calculation of the Weighted Average Cost of capital

In Percentage							
Particulars	D Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Capital Structure							
Debt Percent		75.00%	75.00%	75.00%	75.00%	75.00%	75.00%
Equity percent		25.00%	25.00%	25.00%	25.00%	25.00%	25.00%
Cost of Funds							
Cost of Debt percent		10.61%	10.82%	11.33%	11.48%	11.59%	11.66%
Return on Equity percent		14.00%	14.00%	14.00%	14.00%	14.00%	14.00%
WACC		11.45%	11.61%	12.00%	12.11%	12.19%	12.25%

Form 1 c Wheeling Revenue from Third Party/Open Access

This form refers to the wheeling revenues generated from the third party or open access
Please fill in the required details pertaining to each year

S.No.	Voltage Level	D Link	Base Year			Year 1			Year 2			Year 3			Year 4			Year 5			Remarks					
			Contracted Capacity (MVA)	Monthly Wheeling Charges Rs/kVA/month	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
	33 kV				0.19			0.21			0.23			0.25			0.28			0.31						
	11 kV				0.00			0.00			0.00			0.00			0.00			0.00						
	LT				0.00			0.00			0.00			0.00			0.00			0.00						
	Total		0.00		0.19	0.00		0.21	0.00		0.23	0.00		0.26	0.00		0.28	0.00		0.31						

33kV

S.No.	Third Party/Open Access Consumer (Particulars)	D Link	Base Year				Year 1				Year 2				Year 3				Year 4				Year 5			
			Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges Rs/kVA/month	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	Recorded Maximum Demand (MVA)	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)
1.00	Total		12.79	12.00	12.22	0.19				0.00				0.00				0.00				0.00				0.00
2.00						0.00	13.43	12.00	12.83	0.21				0.00				0.00				0.00				0.00
3.00						0.00				0.00	14.10	12.00	13.47	0.23				0.00				0.00				0.00
4.00						0.00				0.00				0.00	14.81	12.00	14.15	0.25				0.00				0.00
5.00						0.00				0.00				0.00				0.00	15.55	12.00	14.85	0.28				0.00
6.00						0.00				0.00				0.00				0.00				0.00	16.33	12.00	15.60	0.31
	Total					0.19				0.21				0.23				0.25				0.28				0.31

11kV

S.No.	Third Party/Open Access Consumer (Particulars)	D Link	Base Year				Year 1				Year 2				Year 3				Year 4				Year 5			
			Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges Rs/kVA/month	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)
1.00	Total		0.01	12.00	279.50	0.00				0.00				0.00				0.00				0.00				0.00
2.00						0.00	0.01	12.00	293.48	0.00				0.00				0.00				0.00				0.00
3.00						0.00				0.00	0.01	12.00	308.15	0.00				0.00				0.00				0.00
4.00						0.00				0.00				0.00	0.01	12.00	323.56	0.00				0.00				0.00
5.00						0.00				0.00				0.00				0.00	0.01	12.00	339.73	0.00				0.00
6.00						0.00				0.00				0.00				0.00				0.00	0.01	12.00	356.72	0.00
	Total		0.01			0.00	0.01			0.00	0.01			0.00	0.01			0.00	0.01			0.00	0.01			0.00

LT

S.No.	Third Party/Open Access Consumer (Particulars)	D Link	Base Year				Year 1				Year 2				Year 3				Year 4				Year 5			
			Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges Rs/kVA/month	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)	Contracted Capacity (MVA)	No of Months Contracted for	Monthly Wheeling Charges	Total Charges (Rs. Crs.)
1.00						0.00				0.00				0.00				0.00				0.00				0.00
2.00						0.00				0.00				0.00				0.00				0.00				0.00
3.00						0.00				0.00				0.00				0.00				0.00				0.00
4.00						0.00				0.00				0.00				0.00				0.00				0.00
5.00						0.00				0.00				0.00				0.00				0.00				0.00
6.00						0.00				0.00				0.00				0.00				0.00				0.00
	Total		0.00			0.00	0.00			0.00	0.00			0.00	0.00			0.00	0.00			0.00	0.00			0.00

Form 1.1(i) - BALANCE SHEET

Particulars	D Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
ASSETS							
Gross Fixed Assets		7071.44	8089.73	10083.09	12071.02	13481.84	15068.42
Less: Accumulated Depreciation		3421.01	3817.70	4266.86	4848.69	5553.96	6349.69
Net Fixed Assets		3650.43	4272.03	5816.23	7222.32	7927.89	8718.73
Capital Expenditure-in-progress		1359.36	1935.12	1181.19	551.30	642.83	730.76
Investments		151.20	151.20	151.20	151.20	151.20	146.74
Current Assets		3921.40	4241.49	4510.16	4870.66	5273.81	5712.21
Assets not in use							
Miscellaneous Expenditure		-2.20	-2.20	-2.20	-2.20	-2.20	-2.20
Others		3751.32	3930.18	4117.94	4315.02	4521.90	4739.06
TOTAL ASSETS		12831.50	14527.83	15774.52	17108.31	18515.43	20045.30
LIABILITIES							
Equity		121.22	121.22	121.22	121.22	121.22	121.22
Reserves		-3222.60	-2915.89	-2807.85	-2625.77	-2389.60	-2088.90
Indian Loans		1593.35	2714.76	3412.87	4096.26	4813.77	5599.77
Foreign Loans		0.00	0.00	0.00	0.00	0.00	0.00
Current Liabilities		5085.08	5435.03	5561.22	5823.62	6324.19	7017.78
Contributions & Grants		247.67	37.89	75.27	79.46	109.26	136.72
Payment due on Capital Liabilities							
Others		8947.74	9064.66	9304.98	9456.80	9345.15	9044.31
Surplus/(Deficit)		59.04	70.16	106.80	156.71	191.44	214.40
TOTAL LIABILITIES		12831.50	14527.83	15774.53	17108.31	18515.43	20045.30

Form 1.1 a - GROSS FIXED ASSETS

Base Year		Amount in Rs. Crores				
Asset Particulars	D Link	At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year	Remarks
TANGIBLE ASSETS:						
Land & land rights		82.57	8.23	0.00	90.80	
Buildings		193.49	19.29	0.00	212.78	
Other civil works		44.68	4.45	0.00	49.13	
Plant & Machinery		0.00	0.00		0.00	
Plant and Machinery - 33 kV		351.58	35.05	0.00	386.63	
Plant and Machinery - 11 kV		2092.94	208.67	0.00	2301.61	
Plant and Machinery - LT		48.96	4.88	0.00	53.84	
Metering Equipments		574.56	57.29	0.00	631.85	
Others		35.41	3.53	0.00	38.94	
Line Cable Network		0.00	0.00		0.00	
Line Cable Network - 33 kV		234.09	23.34	0.00	257.43	
Line Cable Network - 11 kV		1017.47	101.45	0.00	1118.92	
Line Cable Network - LT		1482.33	147.79	0.00	1630.12	
Others		141.16	14.07		155.23	
Vehicles		2.36	0.24	0.00	2.60	
Furniture & Fixtures		22.57	2.25	0.00	24.82	
Office Equipment		22.49	2.24	0.00	24.73	
Computers & IT Equipment		83.36	8.31	0.00	91.67	
Low Value Assets		0.00	0.00	0.00	0.00	
Merger Assets - Balance		0.00	0.00	0.00	0.00	
INTANGIBLE ASSETS:		0.00	0.00	0.00	0.00	
Software		0.29	0.03	0.00	0.32	
Goodwill		0.00	0.00	0.00	0.00	
Total		6430.31	641.13	0.00	7071.44	

Year 1

Amount in Rs. Crores

Asset Particulars	D Link	At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year	Remarks
TANGIBLE ASSETS:						
Land & land rights		90.80	13.08	0.00	103.88	
Buildings		212.78	30.64	0.00	243.42	
Other civil works		49.13	7.08	0.00	56.21	
Plant & Machinery		0.00	0.00		0.00	
Plant and Machinery - 33 kV		386.63	55.68	0.00	442.31	
Plant and Machinery - 11 kV		2301.61	331.43	0.00	2633.05	
Plant and Machinery - LT		53.84	7.75	0.00	61.59	
Metering Equipments		631.85	90.99	0.00	722.83	
Others		38.94	5.61	0.00	44.55	
Line Cable Network		0.00	0.00		0.00	
Line Cable Network - 33 kV		257.43	37.07	0.00	294.50	
Line Cable Network - 11 kV		1118.92	161.12	0.00	1280.04	
Line Cable Network - LT		1630.12	234.74	0.00	1864.86	
Others		155.23	22.35		177.59	
Vehicles		2.60	0.37	0.00	2.97	
Furniture & Fixtures		24.82	3.57	0.00	28.39	
Office Equipment		24.73	3.56	0.00	28.29	
Computers & IT Equipment		91.67	13.20	0.00	104.87	
Low Value Assets		0.00	0.00	0.00	0.00	
Merger Assets - Balance		0.00	0.00	0.00	0.00	
INTANGIBLE ASSETS:		0.00	0.00	0.00	0.00	
Software		0.32	0.05	0.00	0.36	
Goodwill		0.00	0.00	0.00	0.00	
Total		7071.44	1018.29	0.00	8089.73	

Year 2

Amount in Rs. Crores

Asset Particulars	D Link	At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year	Remarks
TANGIBLE ASSETS:						
Land & land rights		103.88	25.60	0.00	129.47	
Buildings		243.42	59.98	0.00	303.40	
Other civil works		56.21	13.85	0.00	70.06	
Plant & Machinery		0.00	0.00		0.00	
Plant and Machinery - 33 kV		442.31	108.99	0.00	551.30	
Plant and Machinery - 11 kV		2633.05	648.80	0.00	3281.85	
Plant and Machinery - LT		61.59	15.18	0.00	76.77	
Metering Equipments		722.83	178.11	0.00	900.94	
Others		44.55	10.98	0.00	55.52	
Line Cable Network		0.00	0.00		0.00	
Line Cable Network - 33 kV		294.50	72.57	0.00	367.07	
Line Cable Network - 11 kV		1280.04	315.41	0.00	1595.45	
Line Cable Network - LT		1864.86	459.51	0.00	2324.38	
Others		177.59	43.76		221.35	
Vehicles		2.97	0.73	0.00	3.70	
Furniture & Fixtures		28.39	7.00	0.00	35.39	
Office Equipment		28.29	6.97	0.00	35.27	
Computers & IT Equipment		104.87	25.84	0.00	130.71	
Low Value Assets		0.00	0.00	0.00	0.00	
Merger Assets - Balance		0.00	0.00	0.00	0.00	
INTANGIBLE ASSETS:		0.00	0.00	0.00	0.00	
Software		0.36	0.09	0.00	0.45	
Goodwill		0.00	0.00	0.00	0.00	
Total		8089.73	1993.36	0.00	10083.09	

Year 3

Amount in Rs. Crores

Asset Particulars	D Link	At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year	Remarks
TANGIBLE ASSETS:						
Land & land rights		129.47	25.53	0.00	155.00	
Buildings		303.40	59.82	0.00	363.22	
Other civil works		70.06	13.81	0.00	83.87	
Plant & Machinery		0.00	0.00		0.00	
Plant and Machinery - 33 kV		551.30	108.69	0.00	659.99	
Plant and Machinery - 11 kV		3281.85	647.03	0.00	3928.88	
Plant and Machinery - LT		76.77	15.14	0.00	91.91	
Metering Equipments		900.94	177.62	0.00	1078.57	
Others		55.52	10.95	0.00	66.47	
Line Cable Network		0.00	0.00		0.00	
Line Cable Network - 33 kV		367.07	72.37	0.00	439.44	
Line Cable Network - 11 kV		1595.45	314.55	0.00	1910.00	
Line Cable Network - LT		2324.38	458.26	0.00	2782.64	
Others		221.35	43.64		264.99	
Vehicles		3.70	0.73	0.00	4.43	
Furniture & Fixtures		35.39	6.98	0.00	42.37	
Office Equipment		35.27	6.95	0.00	42.22	
Computers & IT Equipment		130.71	25.77	0.00	156.48	
Low Value Assets		0.00	0.00	0.00	0.00	
Merger Assets - Balance		0.00	0.00	0.00	0.00	
INTANGIBLE ASSETS:		0.00	0.00	0.00	0.00	
Software		0.45	0.09	0.00	0.54	
Goodwill		0.00	0.00	0.00	0.00	
Total		10083.09	1987.92	0.00	12071.02	

Year 4

Amount in Rs. Crores

Asset Particulars	D Link	At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year	Remarks
TANGIBLE ASSETS:						
Land & land rights		155.00	18.12	0.00	173.12	
Buildings		363.22	42.45	0.00	405.67	
Other civil works		83.87	9.80	0.00	93.68	
Plant & Machinery		0.00	0.00		0.00	
Plant and Machinery - 33 kV		659.99	77.14	0.00	737.13	
Plant and Machinery - 11 kV		3928.88	459.20	0.00	4388.08	
Plant and Machinery - LT		91.91	10.74	0.00	102.65	
Metering Equipments		1078.57	126.06	0.00	1204.63	
Others		66.47	7.77	0.00	74.24	
Line Cable Network		0.00	0.00		0.00	
Line Cable Network - 33 kV		439.44	51.36	0.00	490.80	
Line Cable Network - 11 kV		1910.00	223.24	0.00	2133.24	
Line Cable Network - LT		2782.64	325.23	0.00	3107.87	
Others		264.99	30.97		295.96	
Vehicles		4.43	0.52	0.00	4.95	
Furniture & Fixtures		42.37	4.95	0.00	47.32	
Office Equipment		42.22	4.93	0.00	47.15	
Computers & IT Equipment		156.48	18.29	0.00	174.77	
Low Value Assets		0.00	0.00	0.00	0.00	
Merger Assets - Balance		0.00	0.00	0.00	0.00	
INTANGIBLE ASSETS:		0.00	0.00	0.00	0.00	
Software		0.54	0.06	0.00	0.61	
Goodwill		0.00	0.00	0.00	0.00	
Total		12071.02	1410.83	0.00	13481.84	

Year 5

Amount in Rs. Crores

Asset Particulars	D Link	At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year	Remarks
TANGIBLE ASSETS:						
Land & land rights		173.12	20.37	0.00	193.49	
Buildings		405.67	47.74	0.00	453.41	
Other civil works		93.68	11.02	0.00	104.70	
Plant & Machinery		0.00	0.00		0.00	
Plant and Machinery - 33 kV		737.13	86.75	0.00	823.87	
Plant and Machinery - 11 kV		4388.08	516.40	0.00	4904.48	
Plant and Machinery - LT		102.65	12.08	0.00	114.73	
Metering Equipments		1204.63	141.76	0.00	1346.39	
Others		74.24	8.74	0.00	82.98	
Line Cable Network		0.00	0.00		0.00	
Line Cable Network - 33 kV		490.80	57.76	0.00	548.55	
Line Cable Network - 11 kV		2133.24	251.04	0.00	2384.28	
Line Cable Network - LT		3107.87	365.74	0.00	3473.61	
Others		295.96	34.83		330.79	
Vehicles		4.95	0.58	0.00	5.53	
Furniture & Fixtures		47.32	5.57	0.00	52.89	
Office Equipment		47.15	5.55	0.00	52.70	
Computers & IT Equipment		174.77	20.57	0.00	195.34	
Low Value Assets		0.00	0.00	0.00	0.00	
Merger Assets - Balance		0.00	0.00	0.00	0.00	
INTANGIBLE ASSETS:		0.00	0.00	0.00	0.00	
Software		0.61	0.07	0.00	0.68	
Goodwill		0.00	0.00	0.00	0.00	
Total		13481.84	1586.58	0.00	15068.42	

Form 1.1 b - ACCUMULATED DEPRECIATION

Please fill in the required details pertaining to each year

Base Year

Asset Particulars	D Link	Balance of accumulated depreciation at the beginning of the year	Balance of arrears of depreciation at the beginning of the year	Additions during the year				Withdrawals during the year	Balance of accumulated depreciation at the end of the year	Balance of arrears of depreciation at the end of the year	Remarks
				Rate of depreciation	Depreciation provided for the year	Arrears of depreciation written off during the year	Total				
TANGIBLE ASSETS:											
Land & land rights		0.00		0.00%	0.00		0.00		0.00		
Buildings		28.83		3.02%	5.67		5.67		34.49		
Other civil works		5.37		3.02%	1.35		1.35		6.72		
Plant & Machinery		0.00		0.00%	0.00		0.00		0.00		
Plant and Machinery - 33 kV		130.48		7.84%	24.26		24.26		154.74		
Plant and Machinery - 11 kV		1040.31		7.84%	126.53		126.53		1166.84		
Plant and Machinery - LT		6.39		7.84%	3.49		3.49		9.88		
Metering Equipments		294.44		12.77%	52.95		52.95		347.39		
Others		14.11		0.00%	0.00		0.00		14.11		
Line Cable Network		0.00		0.00%	0.00		0.00		0.00		
Line Cable Network - 33 kV		99.88		7.84%	14.61		14.61		114.48		
Line Cable Network - 11 kV		419.47		7.84%	64.62		64.62		484.08		
Line Cable Network - LT		902.72		7.84%	65.18		65.18		967.89		
Others		42.98		0.00%	0.00		0.00		42.98		
Vehicles		1.61		33.40%	0.25		0.25		1.87		
Furniture & Fixtures		13.59		12.77%	1.87		1.87		15.46		
Office Equipment		13.49		12.77%	1.61		1.61		15.09		
Computers & IT Equipment		35.85		12.77%	8.84		8.84		44.69		
Low Value Assets		0.00		0.00%	0.00		0.00		0.00		
Merger Assets - Balance		0.00		0.00%	0.00		0.00		0.00		
INTANGIBLE ASSETS:		0.00		0.00%	0.00		0.00		0.00		
Software		0.25		10.00%	0.03		0.03		0.28		
Goodwill		0.00		0.00%	0.00		0.00		0.00		
Spare Units/ Service units		0.00		0.00%	0.00		0.00		0.00		
Grand Total		3049.76	0.00		371.25	0.00	371.25	0.00	3421.01	0.00	

Year 1

Amount in Rs. Crores

Asset Particulars	D Link	Balance of accumulated depreciation at the beginning of the year	Balance of arrears of depreciation at the beginning of the year	Additions during the year				Withdrawals during the year	Balance of accumulated depreciation at the end of the year	Balance of arrears of depreciation at the end of the year	Remarks
				Rate of depreciation	Depreciation provided for the year	Arrears of depreciation written off during the year	Total				
TANGIBLE ASSETS:											
Land & land rights		0.00		0.00%	0.00		0.00		0.00		
Buildings		34.49		3.02%	6.22		6.22		40.71		
Other civil works		6.72		3.02%	1.48		1.48		8.21		
Plant & Machinery		0.00		0.00%	0.00		0.00		0.00		
Plant and Machinery - 33 kV		154.74		7.84%	26.62		26.62		181.36		
Plant and Machinery - 11 kV		1166.84		7.84%	136.39		136.39		1303.24		
Plant and Machinery - LT		9.88		7.84%	3.84		3.84		13.72		
Metering Equipments		347.39		12.77%	56.82		56.82		404.21		
Others		14.11		0.00%	0.00		0.00		14.11		
Line Cable Network		0.00		0.00%	0.00		0.00		0.00		
Line Cable Network - 33 kV		114.48		7.84%	15.97		15.97		130.46		
Line Cable Network - 11 kV		484.08		7.84%	70.22		70.22		554.30		
Line Cable Network - LT		967.89		7.84%	65.49		65.49		1033.38		
Others		42.98		0.00%	0.00		0.00		42.98		
Vehicles		1.87		33.40%	0.33		0.33		2.20		
Furniture & Fixtures		15.46		12.77%	1.95		1.95		17.41		
Office Equipment		15.09		12.77%	1.80		1.80		16.89		
Computers & IT Equipment		44.69		12.77%	9.52		9.52		54.21		
Low Value Assets		0.00		0.00%	0.00		0.00		0.00		
Merger Assets - Balance		0.00		0.00%	0.00		0.00		0.00		
INTANGIBLE ASSETS:		0.00		0.00%	0.00		0.00		0.00		
Software		0.28		10.00%	0.03		0.03		0.31		
Goodwill		0.00		0.00%	0.00		0.00		0.00		
Spare Units/ Service units		0.00		0.00%	0.00		0.00		0.00		
Grand Total		3421.01	0.00		396.69	0.00	396.69	0.00	3817.70	0.00	

Year 2

Amount in Rs. Crores

Asset Particulars	D Link	Balance of accumulated depreciation at the beginning of the year	Balance of arrears of depreciation at the beginning of the year	Additions during the year				Withdrawals during the year	Balance of accumulated depreciation at the end of the year	Balance of arrears of depreciation at the end of the year	Remarks
				Rate of depreciation	Depreciation provided for the year	Arrears of depreciation written off during the year	Total				
TANGIBLE ASSETS:											
Land & land rights		0.00		0.00%	0.00		0.00		0.00		
Buildings		40.71		3.02%	7.11		7.11		47.82		
Other civil works		8.21		3.02%	1.70		1.70		9.91		
Plant & Machinery		0.00		0.00%	0.00		0.00		0.00		
Plant and Machinery - 33 kV		181.36		7.84%	30.65		30.65		212.01		
Plant and Machinery - 11 kV		1303.24		7.84%	150.93		150.93		1454.17		
Plant and Machinery - LT		13.72		7.84%	4.45		4.45		18.17		
Metering Equipments		404.21		12.77%	62.88		62.88		467.10		
Others		14.11		0.00%	0.00		0.00		14.11		
Line Cable Network		0.00		0.00%	0.00		0.00		0.00		
Line Cable Network - 33 kV		130.46		7.84%	18.47		18.47		148.93		
Line Cable Network - 11 kV		554.30		7.84%	79.58		79.58		633.88		
Line Cable Network - LT		1033.38		7.84%	77.30		77.30		1110.68		
Others		42.98		0.00%	0.00		0.00		42.98		
Vehicles		2.20		33.40%	0.46		0.46		2.66		
Furniture & Fixtures		17.41		12.77%	2.38		2.38		19.79		
Office Equipment		16.89		12.77%	2.18		2.18		19.07		
Computers & IT Equipment		54.21		12.77%	11.03		11.03		65.24		
Low Value Assets		0.00		0.00%	0.00		0.00		0.00		
Merger Assets - Balance		0.00		0.00%	0.00		0.00		0.00		
INTANGIBLE ASSETS:		0.00		0.00%	0.00		0.00		0.00		
Software		0.31		10.00%	0.04		0.04		0.35		
Goodwill		0.00		0.00%	0.00		0.00		0.00		
Spare Units/ Service units		0.00		0.00%	0.00		0.00		0.00		
Grand Total		3817.70	0.00		449.16	0.00	449.16	0.00	4266.86	0.00	

Year 3

Amount in Rs. Crores

Asset Particulars	D Link	Balance of accumulated depreciation at the beginning of the year	Balance of arrears of depreciation at the beginning of the year	Additions during the year				Withdrawals during the year	Balance of accumulated depreciation at the end of the year	Balance of arrears of depreciation at the end of the year	Remarks
				Rate of depreciation	Depreciation provided for the year	Arrears of depreciation written off during the year	Total				
TANGIBLE ASSETS:											
Land & land rights		0.00		0.00%	0.00		0.00		0.00		
Buildings		47.82		3.02%	8.85		8.85		56.68		
Other civil works		9.91		3.02%	2.12		2.12		12.02		
Plant & Machinery		0.00		0.00%	0.00		0.00		0.00		
Plant and Machinery - 33 kV		212.01		7.84%	38.35		38.35		250.36		
Plant and Machinery - 11 kV		1454.17		7.84%	193.32		193.32		1647.49		
Plant and Machinery - LT		18.17		7.84%	5.59		5.59		23.76		
Metering Equipments		467.10		12.77%	77.89		77.89		544.99		
Others		14.11		0.00%	0.00		0.00		14.11		
Line Cable Network		0.00		0.00%	0.00		0.00		0.00		
Line Cable Network - 33 kV		148.93		7.84%	23.54		23.54		172.46		
Line Cable Network - 11 kV		633.88		7.84%	101.88		101.88		735.77		
Line Cable Network - LT		1110.68		7.84%	109.72		109.72		1220.40		
Others		42.98		0.00%	0.00		0.00		42.98		
Vehicles		2.66		33.40%	0.64		0.64		3.29		
Furniture & Fixtures		19.79		12.77%	3.15		3.15		22.94		
Office Equipment		19.07		12.77%	2.80		2.80		21.87		
Computers & IT Equipment		65.24		12.77%	13.94		13.94		79.18		
Low Value Assets		0.00		0.00%	0.00		0.00		0.00		
Merger Assets - Balance		0.00		0.00%	0.00		0.00		0.00		
INTANGIBLE ASSETS:		0.00		0.00%	0.00		0.00		0.00		
Software		0.35		10.00%	0.05		0.05		0.39		
Goodwill		0.00		0.00%	0.00		0.00		0.00		
Spare Units/ Service units		0.00		0.00%	0.00		0.00		0.00		
Grand Total		4266.86	0.00		581.83	0.00	581.83	0.00	4848.69	0.00	

Year 4

Amount in Rs. Crores

Asset Particulars	D Link	Balance of accumulated depreciation at the beginning of the year	Balance of arrears of depreciation at the beginning of the year	Additions during the year				Withdrawals during the year	Balance of accumulated depreciation at the end of the year	Balance of arrears of depreciation at the end of the year	Remarks
				Rate of depreciation	Depreciation provided for the year	Arrears of depreciation written off during the year	Total				
TANGIBLE ASSETS:											
Land & land rights		0.00		0.00%	0.00		0.00		0.00		
Buildings		56.68		3.02%	10.65		10.65		67.33		
Other civil works		12.02		3.02%	2.53		2.53		14.55		
Plant & Machinery		0.00		0.00%	0.00		0.00		0.00		
Plant and Machinery - 33 kV		250.36		7.84%	44.37		44.37		294.73		
Plant and Machinery - 11 kV		1647.49		7.84%	234.63		234.63		1882.11		
Plant and Machinery - LT		23.76		7.84%	6.52		6.52		30.28		
Metering Equipments		544.99		12.77%	88.73		88.73		633.72		
Others		14.11		0.00%	0.00		0.00		14.11		
Line Cable Network		0.00		0.00%	0.00		0.00		0.00		
Line Cable Network - 33 kV		172.46		7.84%	28.40		28.40		200.86		
Line Cable Network - 11 kV		735.77		7.84%	124.03		124.03		859.79		
Line Cable Network - LT		1220.40		7.84%	140.98		140.98		1361.38		
Others		42.98		0.00%	0.00		0.00		42.98		
Vehicles		3.29		33.40%	0.69		0.69		3.99		
Furniture & Fixtures		22.94		12.77%	3.47		3.47		26.41		
Office Equipment		21.87		12.77%	3.56		3.56		25.43		
Computers & IT Equipment		79.18		12.77%	16.64		16.64		95.82		
Low Value Assets		0.00		0.00%	0.00		0.00		0.00		
Merger Assets - Balance		0.00		0.00%	0.00		0.00		0.00		
INTANGIBLE ASSETS:		0.00		0.00%	0.00		0.00		0.00		
Software		0.39		10.00%	0.05		0.05		0.45		
Goodwill		0.00		0.00%	0.00		0.00		0.00		
Spare Units/ Service units		0.00		0.00%	0.00		0.00		0.00		
Grand Total		4848.69	0.00		705.26	0.00	705.26	0.00	5553.96	0.00	

Year 5

Amount in Rs. Crores

Asset Particulars	D Link	Balance of accumulated depreciation at the beginning of the year	Balance of arrears of depreciation at the beginning of the year	Additions during the year				Withdrawals during the year	Balance of accumulated depreciation at the end of the year	Balance of arrears of depreciation at the end of the year	Remarks
				Rate of depreciation	Depreciation provided for the year	Arrears of depreciation written off during the year	Total				
TANGIBLE ASSETS:											
Land & land rights		0.00		0.00%	0.00		0.00		0.00		
Buildings		67.33		3.02%	11.90		11.90		79.22		
Other civil works		14.55		3.02%	2.83		2.83		17.38		
Plant & Machinery		0.00		0.00%	0.00		0.00		0.00		
Plant and Machinery - 33 kV		294.73		7.84%	49.42		49.42		344.15		
Plant and Machinery - 11 kV		1882.11		7.84%	263.78		263.78		2145.89		
Plant and Machinery - LT		30.28		7.84%	7.17		7.17		37.45		
Metering Equipments		633.72		12.77%	100.36		100.36		734.08		
Others		14.11		0.00%	0.00		0.00		14.11		
Line Cable Network		0.00		0.00%	0.00		0.00		0.00		
Line Cable Network - 33 kV		200.86		7.84%	31.09		31.09		231.95		
Line Cable Network - 11 kV		859.79		7.84%	139.34		139.34		999.13		
Line Cable Network - LT		1361.38		7.84%	162.87		162.87		1524.26		
Others		42.98		0.00%	0.00		0.00		42.98		
Vehicles		3.99		33.40%	0.87		0.87		4.85		
Furniture & Fixtures		26.41		12.77%	3.53		3.53		29.95		
Office Equipment		25.43		12.77%	3.89		3.89		29.32		
Computers & IT Equipment		95.82		12.77%	18.63		18.63		114.45		
Low Value Assets		0.00		0.00%	0.00		0.00		0.00		
Merger Assets - Balance		0.00		0.00%	0.00		0.00		0.00		
INTANGIBLE ASSETS:		0.00		0.00%	0.00		0.00		0.00		
Software		0.45		10.00%	0.06		0.06		0.51		
Goodwill		0.00		0.00%	0.00		0.00		0.00		
Spare Units/ Service units		0.00		0.00%	0.00		0.00		0.00		
Grand Total		5553.96	0.00		795.74	0.00	795.74	0.00	6349.69	0.00	

Form 1.1 c - Capital Work in Progress

This form pertains to the Capital Work in Progress

Particulars						
	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Opening balance of CWIP	398.83	1,359.36	1,935.12	1,181.19	551.30	642.83
Add: New Investment*	1,413.65	1,371.84	990.54	1,102.61	1,285.66	1,461.51
Add: Capitalisation*						
Expenses Capitalised	155.50	150.90	108.96	121.29	141.42	160.77
Interest During Construction	7.75	6.33	6.79	8.68	9.59	11.13
Total expenses capitalised	163.25	157.24	115.75	129.97	151.01	171.89
Less : Investment Capitalised	641.13	1,018.29	1,993.36	1,987.92	1,410.83	1,586.58
Closing balance of CWIP	1359.36	1935.12	1181.19	551.30	642.83	730.76

*To be filled in consultation with form 1.1 d

Form 1.1d - INVESTMENT PLAN

This form captures investments as planned and actually incurred
Please fill in the required details pertaining to each year

Base Year

Project Details					PLANNED CAPITAL EXPENDITURE						
Project Code*	Project Title	Project Purpose**	Project Start Date (DD-MON-YY)	Project Completion date (DD-MON-YY)	Base Cost	Contingency	IDC	Duties	Taxes	Expense capitalised	TOTAL COST
A	SCHEMES APPROVED BY THE COMMISSION										
1	R-APDRP Part A		27.05.10	31.03.17	1.14	0.05	0.00	0.00	0.30	0.18	1.68
2	SCADA Part A		08.07.14	31.03.18	2.89	0.13	0.20	0.00	0.78	0.36	4.36
3	SCADA Part B		30.07.15	31.03.18	0.14	0.01	0.01	0.00	0.04	0.02	0.21
4	HVDS Ph-3 RJY Circle		01.04.18	31.03.19	0.59	0.02	0.00	0.00	0.14	0.00	0.75
5	HVDS Ph-3 (New) for SKL, VZM & VSP		01.04.18	31.03.19	1.50	0.06	0.00	0.00	0.36	0.08	2.00
6	HVDS Ph-4 RJY Circle		01.04.18	31.03.19	0.57	0.03	0.05	0.00	0.16	0.10	0.91
7	HVDS Ph-5 ELR Circle		01.04.18	31.03.19	18.15	0.87	1.57	0.00	5.22	3.19	29.00
8	DDUGJY		11.05.16	31.12.18	15.70	0.65	0.52	0.00	3.92	0.96	21.75
9	57 DDG		09.01.12	30.06.13	0.45	0.02	0.00	0.00	0.10	0.01	0.58
10	IPDS		10.03.15	31.03.19	55.93	2.30	1.38	0.00	13.83	3.38	76.82
11	33/11KV SS (T&D)		01.04.18	31.03.19	120.43	4.59	0.00	0.00	27.54	0.44	153.00
12	Normal Plan (Release of Services)		01.04.18	31.03.19	190.40	8.40	0.00	0.00	50.40	30.80	280.00
13	SI-Conductors & SI-Lines		01.04.18	31.03.19	128.68	4.92	0.00	0.00	29.52	0.88	164.00
14	SI-VCBs		01.04.18	31.03.19	45.49	1.74	0.00	0.00	10.44	0.33	58.00
15	SI- Meters		01.04.18	31.03.19	103.83	4.11	0.00	0.00	24.66	4.40	137.00
16	SI-PTRs		01.04.18	31.03.19	39.43	1.56	0.00	0.00	9.36	1.65	52.00
17	SI-DTRs		01.04.18	31.03.19	74.98	2.91	0.00	0.00	17.46	1.65	97.00
18	TSP- ST habitations		01.04.18	31.03.19	4.69	0.21	0.00	0.00	1.24	0.76	6.89
19	Release of Agl. Services		01.04.18	31.03.19	34.00	1.50	0.00	0.00	9.00	5.50	50.00
20	T&D other Works		01.04.18	31.03.19	60.53	2.51	0.00	0.00	15.03	5.45	83.52
21	T&D Civil Works		01.04.18	31.03.19	13.60	0.60	0.00	0.00	3.60	2.20	20.00
22	MRT divisions		01.04.18	31.03.19	1.36	0.06	0.00	0.00	0.36	0.22	2.00
2	33KV Interlinking lines		01.04.18	31.03.19	1.36	0.06	0.00	0.00	0.36	0.22	2.00
B	SCHEMES COSTING LESS THAN Rs.5.00 Cr.										
1	24Hrs supply to SS Head Qtrs		01.04.18	31.03.19	0.68	0.03	0.00	0.00	0.18	0.11	1.00
2	SCSCP- SC Colonies		01.04.18	31.03.19	3.74	0.14	0.00	0.00	0.85	0.00	4.74
3	ST Bore wells		01.04.18	31.03.19	0.37	0.01	0.00	0.00	0.08	0.00	0.47
4	SC Bore wells		01.04.18	31.03.19	1.25	0.05	0.00	0.00	0.28	0.00	1.58

5	T&D IT Works		01.04.18	31.03.19	3.40	0.15	0.00	0.00	0.90	0.55	5.00
6	T&D works (Circle offices)		01.04.18	31.03.19	0.51	0.02	0.00	0.00	0.14	0.08	0.75
7	194 DDG (O&M)		19.06.14	10.06.15	2.30	0.09	0.02	0.00	0.54	0.03	2.98
C	SCHEMES WHICH ARE UNDER PROCESS AT COMMISSION AND APPROVAL IS AWAITED										
	NIL										
D	SCHEMES NOT APPROVED BY THE COMMISSION										
	NIL										
E	NEW SCHEMES FOR WHICH INVESTMENT PROPOSALS ARE TO BE SUBMITTED TO THE COMMISSION										
1	229 DDG		05.11.16	30.05.18	8.56	0.35	0.21	0.00	2.12	0.52	11.75
2	IPDS IT		22.02.2017	21.08.19	19.58	0.79	0.00	0.00	4.73	1.16	26.3
	Andhra Pradesh 24x7 Power for All										
P155038	The development objective of the project is to increase the delivery of electricity to		6/22/2017	6/30/2022							116.0
					956	39	4	0	234	65	1414

Form 1.1d - INVESTMENT PLAN

Base Year

Project Code*	Project Title	SOURCE OF FINANCING							Investments proposed for the year			
		Internal Accrual Component of capex in year	Equity Component of capex in year	Debt Component of capex in year					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
A	SCHEMES APPROVED BY											
1	R-APDRP Part A	1.50		0.00					1.50	0.00	0.18	0.11
2	SCADA Part A	0.53		3.27	11.50%	3 Years	10 Years	GOI&PFC	3.80	0.20	0.36	0.11
3	SCADA Part B	0.03		0.16	12.50%		20 Years	GOI&PFC	0.18	0.01	0.02	0.11
4	HVDS Ph-3 RJY Circle	0.75							0.75	0.00	0.00	0.11
5	HVDS Ph-3 (New) for SKL, VZM & VSP	1.92							1.92	0.00	0.08	0.11
6	HVDS Ph-4 RJY Circle			0.76	10.50%	3 Years	13 years	REC	0.76	0.05	0.10	0.11
7	HVDS Ph-5 ELR Circle			24.24	10.50%	3 Years	13 years	REC	24.24	1.57	3.19	0.11
8	DDUGJY	11.57		8.70	10.00%	3 Years	13 years	REC	20.27	0.52	0.96	0.11
9	57 DDG	0.51		0.06	12.00%	5 Years	10 Years	REC	0.57	0.00	0.01	0.11
10	IPDS	49.01		23.05	10.00%	3.5 years	15 Years	PFC	72.06	1.38	3.38	0.11
11	33/11KV SS (T&D)	152.56							152.56	0.00	0.44	0.11
12	Normal Plan (Release of Services)	249.20						EPDCL	249.20	0.00	30.80	0.11
13	SI-Conductors & SI-Lines	163.12						EPDCL	163.12	0.00	0.88	0.11
14	SI-VCBs	57.67						EPDCL	57.67	0.00	0.33	0.11
15	SI- Meters	132.60						EPDCL	132.60	0.00	4.40	0.11
16	SI-PTRs	50.35						EPDCL	50.35	0.00	1.65	0.11
17	SI-DTRs	95.35						EPDCL	95.35	0.00	1.65	0.11
18	TSP- ST habitations	6.13						Govt of AP	6.13	0.00	0.76	0.11
19	Release of Agl. Services	44.50						EPDCL	44.50	0.00	5.50	0.11
20	T&D other Works	78.07						EPDCL	78.07	0.00	5.45	0.11
21	T&D Civil Works	17.80						EPDCL	17.80	0.00	2.20	0.11
22	MRT divisions	1.78						EPDCL	1.78	0.00	0.22	0.11
2	33KV Interlinking lines	1.78						EPDCL	1.78	0.00	0.22	0.11
B	SCHEMES COSTING LESS											
1	24Hrs supply to SS Head Qtrs	0.89						EPDCL	0.89	0.00	0.11	0.11
2	SCSCP- SC Colonies	4.74						Govt of AP	4.74	0.00	0.00	0.11
3	ST Bore wells	0.47						Govt of AP	0.47	0.00	0.00	0.11
4	SC Bore wells	1.58						Govt of AP	1.58	0.00	0.00	0.11

5	T&D IT Works	4.45						EPDCL	4.45	0.00	0.55	0.11
6	T&D works (Circle offices)	0.67						EPDCL	0.67	0.00	0.08	0.11
7	194 DDG (O&M)	2.63		0.30	12.00%	5 Years	10 Years	REC	2.93	0.02	0.03	0.11
C	SCHEMES WHICH ARE UN											
	NIL											
D	SCHEMES NOT APPROVED											
	NIL											
E	NEW SCHEMES FOR WHIC											
1	229 DDG	7.50		3.53	10.00%	3 Years	13 years	REC& EPDCL	11.03	0.21	0.52	0.11
2	IPDS IT	17.22		7.88	10.00%	3.5 years	15 Years	PFC	25.10	0.00	1.16	0.11
	Andhra Pradesh 24x7 Power for											
P155038	The development objective	2.55		48.72	2.00%	5 Years	14 Years	IBRD	116.0			
	of the project is to increase			32.48	2.00%	5 Years	14 Years	AIIB				
	the delivery of electricity to			32.25	10.75%	3 Years	10 Years	REC				
		1159		185					1345	4	65	

Form 1.1d - INVESTMENT PLAN

Base Year

		Investments incurred in the year				Cumulative progress (Year on year)				Remarks
Project Code*	Project Title	Annual								
		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	
A	SCHEMES APPROVED BY									
1	R-APDRP Part A	1.50	0.00	0.18	0.11	1.50	0.00	0.18	0.11	
2	SCADA Part A	3.80	0.20	0.36	0.11	3.80	0.20	0.36	0.11	
3	SCADA Part B	0.18	0.01	0.02	0.11	0.18	0.01	0.02	0.11	
4	HVDS Ph-3 RJY Circle	0.75	0.00	0.00	0.11	0.75	0.00	0.00	0.11	
5	HVDS Ph-3 (New) for SKL, VZM & VSP	1.92	0.00	0.08	0.11	1.92	0.00	0.08	0.11	
6	HVDS Ph-4 RJY Circle	0.76	0.05	0.10	0.11	0.76	0.05	0.10	0.11	
7	HVDS Ph-5 ELR Circle	24.24	1.57	3.19	0.11	24.24	1.57	3.19	0.11	
8	DDUGJY	20.27	0.52	0.96	0.11	20.27	0.52	0.96	0.11	
9	57 DDG	0.57	0.00	0.01	0.11	0.57	0.00	0.01	0.11	
10	IPDS	72.06	1.38	3.38	0.11	72.06	1.38	3.38	0.11	
11	33/11KV SS (T&D)	152.56	0.00	0.44	0.11	152.56	0.00	0.44	0.11	
12	Normal Plan (Release of Services)	249.20	0.00	30.80	0.11	249.20	0.00	30.80	0.11	
13	SI-Conductors & SI-Lines	163.12	0.00	0.88	0.11	163.12	0.00	0.88	0.11	
14	SI-VCBs	57.67	0.00	0.33	0.11	57.67	0.00	0.33	0.11	
15	SI- Meters	132.60	0.00	4.40	0.11	132.60	0.00	4.40	0.11	
16	SI-PTRs	50.35	0.00	1.65	0.11	50.35	0.00	1.65	0.11	
17	SI-DTRs	95.35	0.00	1.65	0.11	95.35	0.00	1.65	0.11	
18	TSP- ST habitations	6.13	0.00	0.76	0.11	6.13	0.00	0.76	0.11	
19	Release of Agl. Services	44.50	0.00	5.50	0.11	44.50	0.00	5.50	0.11	
20	T&D other Works	78.07	0.00	5.45	0.11	78.07	0.00	5.45	0.11	
21	T&D Civil Works	17.80	0.00	2.20	0.11	17.80	0.00	2.20	0.11	
22	MRT divisions	1.78	0.00	0.22	0.11	1.78	0.00	0.22	0.11	
2	33KV Interlinking lines	1.78	0.00	0.22	0.11	1.78	0.00	0.22	0.11	
B	SCHEMES COSTING LESS									
1	24Hrs supply to SS Head Qtrs	0.89	0.00	0.11	0.11	0.89	0.00	0.11	0.11	
2	SCSCP- SC Colonies	4.74	0.00	0.00	0.11	4.74	0.00	0.00	0.11	
3	ST Bore wells	0.47	0.00	0.00	0.11	0.47	0.00	0.00	0.11	
4	SC Bore wells	1.58	0.00	0.00	0.11	1.58	0.00	0.00	0.11	

5	T&D IT Works	4.45	0.00	0.55	0.11	4.45	0.00	0.55	0.11	
6	T&D works (Circle offices)	0.67	0.00	0.08	0.11	0.67	0.00	0.08	0.11	
7	194 DDG (O&M)	2.93	0.02	0.03	0.11	2.93	0.02	0.03	0.11	
C	SCHEMES WHICH ARE UN									
	NIL									
D	SCHEMES NOT APPROVED									
	NIL									
E	NEW SCHEMES FOR WHIC									
1	229 DDG	11.03	0.21	0.52	0.11	11.03	0.21	0.52	0.11	
2	IPDS IT	25.10	0.00	1.16	0.11	25.10	0.00	1.16	0.11	
	Andhra Pradesh 24x7 Power for									
P155038	The development objective of the project is to increase the delivery of electricity to	116.00				116.00				
		1345	4	65		1345	4	65		

Year 1

Project Details					PLANNED CAPITAL EXPENDITURE						
Project Code*	Project Title	Project Purpose**	Project Start Date (DD-MON-YY)	Project Completion date (DD-MON-YY)	Base Cost	Contingency	IDC	Duties	Taxes	Expense capitalised	TOTAL COST
A	SCHEMES APPROVED BY THE COMMISSION										
1	R-APDRP Part A (FMS)		27.05.10	31.03.17	1.20	0.05	0.00	0.00	0.32	0.19	1.76
2	SCADA Part A		08.07.14	31.03.18	0.64	0.03	0.04	0.00	0.17	0.08	0.96
B	SCHEMES COSTING LESS THAN Rs.5.00 Cr.										
1	194 DDG (O&M)		19.06.14	10.06.15	0.90	0.03	0.01	0.00	0.21	0.01	1.16
2	229 DDG (O&M)		05.11.16	30.05.18	0.89	0.04	0.02	0.00	0.22	0.05	1.22
3	T&D works (Circle offices)		01.04.19	31.03.20	0.68	0.03	0.00	0.00	0.18	0.11	1.00
C	SCHEMES WHICH ARE UNDER PROCESS AT COMMISSION AND APPROVAL IS AWAITED										
	NIL										
D	SCHEMES NOT APPROVED BY THE COMMISSION										
	NIL										
E	NEW SCHEMES FOR WHICH INVESTMENT PROPOSALS ARE TO BE SUBMITTED TO THE COMMISSION										
1	33/11KV SS (T&D)		01.04.19	31.03.20	70.11	3.36	6.05	0.00	20.16	12.32	112.00
2	Normal Plan (Release of Services)		01.04.19	31.03.20	228.48	10.08	0.00	0.00	60.48	36.96	336.00
3	SI-Conductors & SI-Lines		01.04.19	31.03.20	60.72	2.91	5.24	0.00	17.46	10.67	97.00
4	SI-VCBs		01.04.19	31.03.20	44.38	2.13	3.83	0.00	12.76	7.80	70.90
5	SI- Meters		01.04.19	31.03.20	108.92	5.22	9.40	0.00	31.32	19.14	174.00
6	SI-PTRs		01.04.19	31.03.20	62.60	3.00	5.40	0.00	18.00	11.00	100.00
7	SI-DTRs		01.04.19	31.03.20	77.00	3.69	6.64	0.00	22.14	13.53	123.00
8	Release of Agl. Services		01.04.19	31.03.20	40.80	1.80	0.00	0.00	10.80	6.60	60.00
9	T&D other Works		01.04.19	31.03.20	34.00	1.50	0.00	0.00	9.00	5.50	50.00
10	T&D Civil Works		01.04.19	31.03.20	6.80	0.30	0.00	0.00	1.80	1.10	10.00
11	T&D IT Works		01.04.19	31.03.20	19.88	0.78	0.00	0.00	4.68	0.66	26.00
12	MRT divisions		01.04.19	31.03.20	4.76	0.21	0.00	0.00	1.26	0.77	7.00
	Andhra Pradesh 24x7 Power for All										
P155038	The development objective of the project is to increase the delivery of electricity to		6/22/2017	6/30/2022							200.0
	Total				763	35	37	0	211	126	1372

Year 1

Project Code*	Project Title	SOURCE OF FINANCING							Investments proposed for the year			
		Internal Accrual Component of capex in year	Equity Component of capex in year	Debt Component of capex in year					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
A	SCHEMES APPROVED BY											
1	R-APDRP Part A (FMS)	1.57							1.57	0.00	0.19	0.11
2	SCADA Part A			0.84	11.50%	3 Years	10 Years	GOI&PF C	0.84	0.04	0.08	0.11
B	SCHEMES COSTING LESS											
1	194 DDG (O&M)			1.14	12.00%	5 Years	10 Years	REC	1.14	0.01	0.01	0.11
2	229 DDG (O&M)	0.12		1.02	10.00%	3 Years	13 years	REC& EPDCL	1.14	0.02	0.05	0.11
3	T&D works (Circle offices)	0.89							0.89	0.00	0.11	0.11
C	SCHEMES WHICH ARE UN											
	NIL											
D	SCHEMES NOT APPROVED											
	NIL											
E	NEW SCHEMES FOR WHIC											
1	33/11KV SS (T&D)			93.63	11%	3 Years	10 Years	Bank/FI	93.63	6.05	12.32	0.11
2	Normal Plan (Release of Services)	299.04						EPDCL	299.04	0.00	36.96	0.11
3	SI-Conductors & SI-Lines			81.09	11%	3 Years	10 Years	Bank/FI	81.09	5.24	10.67	0.11
4	SI-VCBs			59.27	11%	3 Years	10 Years	Bank/FI	59.27	3.83	7.80	0.11
5	SI- Meters			145.46	11%	3 Years	10 Years	Bank/FI	145.46	9.40	19.14	0.11
6	SI-PTRs			83.60	11%	3 Years	10 Years	Bank/FI	83.60	5.40	11.00	0.11
7	SI-DTRs			102.83	11%	3 Years	10 Years	Bank/FI	102.83	6.64	13.53	0.11
8	Release of Agl. Services	53.40						EPDCL	53.40	0.00	6.60	0.11
9	T&D other Works	44.50						EPDCL	44.50	0.00	5.50	0.11
10	T&D Civil Works	8.90						EPDCL	8.90	0.00	1.10	0.11
11	T&D IT Works	25.34						EPDCL	25.34	0.00	0.66	0.11
12	MRT divisions	6.23						EPDCL	6.23	0.00	0.77	0.11
	Andhra Pradesh 24x7 Powe											
P155038	The development objective of the project is to increase the delivery of electricity to	4.40		84.00	2.00%	5 Years	14 Years	IBRD	200.00			
				56.00	2.00%	5 Years	14 Years	AIIB				
				55.60	10.75%	3 Years	10 Years	REC				
	Total	444	0	764	1	0	0	0	1209	37	126	2

Year 1

		Amount in Rs Crores								
		Investments incurred in the year				Cumulative progress (Year on year)				Remarks
Project Code*	Project Title	Annual								
		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	
A	SCHEMES APPROVED BY									
1	R-APDRP Part A (FMS)	1.57	0.00	0.19	0.11	1.57	0.00	0.19	0.11	
2	SCADA Part A	0.84	0.04	0.08	0.11	0.84	0.04	0.08	0.11	
B	SCHEMES COSTING LESS									
1	194 DDG (O&M)	1.14	0.01	0.01	0.11	1.14	0.01	0.01	0.11	
2	229 DDG (O&M)	1.14	0.02	0.05	0.11	1.14	0.02	0.05	0.11	
3	T&D works (Circle offices)	0.89	0.00	0.11	0.11	0.89	0.00	0.11	0.11	
C	SCHEMES WHICH ARE UN									
	NIL									
D	SCHEMES NOT APPROVED									
	NIL									
E	NEW SCHEMES FOR WHIC									
1	33/11KV SS (T&D)	93.63	6.05	12.32	0.11	93.63	6.05	12.32	0.11	
2	Normal Plan (Release of Services)	299.04	0.00	36.96	0.11	299.04	0.00	36.96	0.11	
3	SI-Conductors & SI-Lines	81.09	5.24	10.67	0.11	81.09	5.24	10.67	0.11	
4	SI-VCBs	59.27	3.83	7.80	0.11	59.27	3.83	7.80	0.11	
5	SI- Meters	145.46	9.40	19.14	0.11	145.46	9.40	19.14	0.11	
6	SI-PTRs	83.60	5.40	11.00	0.11	83.60	5.40	11.00	0.11	
7	SI-DTRs	102.83	6.64	13.53	0.11	102.83	6.64	13.53	0.11	
8	Release of Agl. Services	53.40	0.00	6.60	0.11	53.40	0.00	6.60	0.11	
9	T&D other Works	44.50	0.00	5.50	0.11	44.50	0.00	5.50	0.11	
10	T&D Civil Works	8.90	0.00	1.10	0.11	8.90	0.00	1.10	0.11	
11	T&D IT Works	25.34	0.00	0.66	0.11	25.34	0.00	0.66	0.11	
12	MRT divisions	6.23	0.00	0.77	0.11	6.23	0.00	0.77	0.11	
	Andhra Pradesh 24x7 Powe									
P155038	The development objective of the project is to increase the delivery of electricity to	200.00				200.00				
	Total	1209	37	126	2	1209	37	126	2	

Year 2

Project Details					PLANNED CAPITAL EXPENDITURE						
Project Code*	Project Title	Project Purpose**	Project Start Date (DD-MON-YY)	Project Completion date (DD-MON-YY)	Base Cost	Contingency	IDC	Duties	Taxes	Expense capitalised	TOTAL COST
A	SCHEMES APPROVED BY THE COMMISSION										
	NIL										
B	SCHEMES COSTING LESS THAN Rs.5.00 Cr.										
1	194 DDG (O&M)		19.06.14	10.06.15	0.35	0.01	0.00	0.00	0.08	0.005	0.45
2	229 DDG (O&M)		05.11.16	30.05.18	0.20	0.01	0.00	0.00	0.05	0.01	0.27
3	T&D works (Circle offices)		01.04.20	31.03.21	1.36	0.06	0.00	0.00	0.36	0.22	2.00
C	SCHEMES WHICH ARE UNDER PROCESS AT COMMISSION AND APPROVAL IS AWAITED										
	NIL										
D	SCHEMES NOT APPROVED BY THE COMMISSION										
	NIL										
E	NEW SCHEMES FOR WHICH INVESTMENT PROPOSALS ARE TO BE SUBMITTED TO THE COMMISSION										
1	33/11KV SS (T&D)		01.04.20	31.03.21	31.30	1.50	2.70	0.00	9.00	5.50	50.00
2	Normal Plan (Release of Services)		01.04.20	31.03.21	238.00	10.50	0.00	0.00	63.00	38.50	350.00
3	SI-Conductors & SI-Lines		01.04.20	31.03.21	9.86	0.47	0.85	0.00	2.84	1.73	15.75
4	SI-VCBs		01.04.20	31.03.21	9.39	0.45	0.81	0.00	2.70	1.65	15.00
5	SI- Meters		01.04.20	31.03.21	50.08	2.40	4.32	0.00	14.40	8.80	80.00
6	SI-PTRs		01.04.20	31.03.21	34.43	1.65	2.97	0.00	9.90	6.05	55.00
7	SI-DTRs		01.04.20	31.03.21	15.65	0.75	1.35	0.00	4.50	2.75	25.00
8	Release of Agl. Services		01.04.20	31.03.21	47.79	2.11	0.00	0.00	12.65	7.73	70.28
9	T&D other Works		01.04.20	31.03.21	34.00	1.50	0.00	0.00	9.00	5.50	50.00
10	T&D Civil Works		01.04.20	31.03.21	6.80	0.30	0.00	0.00	1.80	1.10	10.00
11	T&D IT Works		01.04.20	31.03.21	5.44	0.24	0.00	0.00	1.44	0.88	8.00
12	MRT divisions		01.04.20	31.03.21	6.12	0.27	0.00	0.00	1.62	0.99	9.00
	Andhra Pradesh 24x7 Power for All										
				6/30/2022							250.0
P155038	The development objective of the project is to increase the delivery of electricity to		6/22/2017								
Total					491	22	13	0	133	81	991

Year 2

Project Code*	Project Title	SOURCE OF FINANCING							Investments proposed for the year			
		Internal Accrual Component of capex in year	Equity Component of capex in year	Debt Component of capex in year					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
A	SCHEMES APPROVED BY											
	NIL											
B	SCHEMES COSTING LESS											
1	194 DDG (O&M)	0.40		0.05	12.00%	5 Years	10 Years	REC	0.44	0.00	0.00	0.11
2	229 DDG (O&M)	0.17		0.08	10.00%	3 Years	13 years	REC & EPDCL	0.25	0.00	0.01	0.11
3	T&D works (Circle offices)	1.78						EPDCL	1.78	0.00	0.22	0.11
C	SCHEMES WHICH ARE UN											
	NIL											
D	SCHEMES NOT APPROVED											
	NIL											
E	NEW SCHEMES FOR WHIC											
1	33/11KV SS (T&D)			41.80	11%	3 Years	10 Years	Bank/FI	41.80	2.70	5.50	0.11
2	Normal Plan (Release of Services)	311.50						EPDCL	311.50	0.00	38.50	0.11
3	SI-Conductors & SI-Lines			13.17	11%	3 Years	10 Years	Bank/FI	13.17	0.85	1.73	0.11
4	SI-VCBs			12.54	11%	3 Years	10 Years	Bank/FI	12.54	0.81	1.65	0.11
5	SI- Meters			66.88	11%	3 Years	10 Years	Bank/FI	66.88	4.32	8.80	0.11
6	SI-PTRs			45.98	11%	3 Years	10 Years	Bank/FI	45.98	2.97	6.05	0.11
7	SI-DTRs			20.90	11%	3 Years	10 Years	Bank/FI	20.90	1.35	2.75	0.11
8	Release of Agl. Services	62.55						EPDCL	62.55	0.00	7.73	0.11
9	T&D other Works			44.50				EPDCL	44.50	0.00	5.50	0.11
10	T&D Civil Works			8.90				EPDCL	8.90	0.00	1.10	0.11
11	T&D IT Works			7.12				EPDCL	7.12	0.00	0.88	0.11
12	MRT divisions			8.01				EPDCL	8.01	0.00	0.99	0.11
	Andhra Pradesh 24x7 Powe											
P155038	The development objective	5.50		105.00	2.00%	5 Years	14 Years	IBRD	250.00			
	of the project is to increase			70.00	2.00%	5 Years	14 Years	AIIB				
	the delivery of electricity to			69.50	10.75%	3 Years	10 Years	REC				
Total		382	0	514	1	0	0	0	896	13	81	2

Year 2

		Amount in Rs Crores								Remarks
Project Code*	Project Title	Investments incurred in the year				Cumulative progress (Year on year)				
		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	
A	SCHEMES APPROVED BY									
	NIL									
B	SCHEMES COSTING LESS									
1	194 DDG (O&M)	0.44	0.00	0.005	0.11	0.44	0.00	0.005	0.11	
2	229 DDG (O&M)	0.25	0.00	0.012	0.11	0.25	0.00	0.01	0.11	
3	T&D works (Circle offices)	1.78	0.00	0.220	0.11	1.78	0.00	0.22	0.11	
C	SCHEMES WHICH ARE UN									
	NIL									
D	SCHEMES NOT APPROVED									
	NIL									
E	NEW SCHEMES FOR WHIC									
1	33/11KV SS (T&D)	41.80	2.70	5.500	0.11	41.80	2.7	5.5	0.11	
2	Normal Plan (Release of Services)	311.50	0.00	38.500	0.11	311.50	0.0	38.5	0.11	
3	SI-Conductors & SI-Lines	13.17	0.85	1.733	0.11	13.17	0.9	1.7	0.11	
4	SI-VCBs	12.54	0.81	1.650	0.11	12.54	0.8	1.7	0.11	
5	SI- Meters	66.88	4.32	8.800	0.11	66.88	4.3	8.8	0.11	
6	SI-PTRs	45.98	2.97	6.050	0.11	45.98	3.0	6.1	0.11	
7	SI-DTRs	20.90	1.35	2.750	0.11	20.90	1.4	2.8	0.11	
8	Release of Agl. Services	62.55	0.00	7.731	0.11	62.55	0.0	7.7	0.11	
9	T&D other Works	44.50	0.00	5.500	0.11	44.50	0.0	5.5	0.11	
10	T&D Civil Works	8.90	0.00	1.100	0.11	8.90	0.0	1.1	0.11	
11	T&D IT Works	7.12	0.00	0.880	0.11	7.12	0.0	0.9	0.11	
12	MRT divisions	8.01	0.00	0.990	0.11	8.01	0.0	1.0	0.11	
	Andhra Pradesh 24x7 Powe									
P155038	The development objective of the project is to increase the delivery of electricity to	250.00				250.00				
Total		896	13	81	2	896	13	81	2	

Year 3

Project Details					PLANNED CAPITAL EXPENDITURE						
Project Code*	Project Title	Project Purpose**	Project Start Date (DD-MON-YY)	Project Completion date (DD-MON-YY)	Base Cost	Contingency	IDC	Duties	Taxes	Expense capitalised	TOTAL COST
A	SCHEMES APPROVED BY THE COMMISSION										
	NIL										
B	SCHEMES COSTING LESS THAN Rs.5.00 Cr.										
1	194 DDG (O&M)		19.06.14	10.06.15	0.36	0.01	0.00	0.00	0.08	0.01	0.47
2	229 DDG (O&M)		05.11.16	30.05.18	0.22	0.01	0.01	0.00	0.05	0.01	0.30
3	T&D works (Circle offices)		01.04.21	31.03.22	2.04	0.09	0.00	0.00	0.54	0.33	3.00
C	SCHEMES WHICH ARE UNDER PROCESS AT COMMISSION AND APPROVAL IS AWAITED										
	NIL										
D	SCHEMES NOT APPROVED BY THE COMMISSION										
	NIL										
E	NEW SCHEMES FOR WHICH INVESTMENT PROPOSALS ARE TO BE SUBMITTED TO THE COMMISSION										
1	33/11KV SS (T&D)		01.04.21	31.03.22	34.00	1.50	0.00	0.00	9.00	5.50	50.00
2	Normal Plan (Release of Services)		01.04.21	31.03.22	272.00	12.00	0.00	0.00	72.00	44.00	400.00
3	SI-Conductors & SI-Lines		01.04.21	31.03.22	31.91	1.53	2.75	0.00	9.18	5.61	50.98
4	SI-VCBs		01.04.21	31.03.22	32.64	1.44	0.00	0.00	8.64	5.28	48.00
5	SI- Meters		01.04.21	31.03.22	40.80	1.80	0.00	0.00	10.80	6.60	60.00
6	SI-PTRs		01.04.21	31.03.22	56.44	2.49	0.00	0.00	14.94	9.13	83.00
7	SI-DTRs		01.04.21	31.03.22	26.52	1.17	0.00	0.00	7.02	4.29	39.00
8	Release of Agl. Services		01.04.21	31.03.22	59.16	2.61	0.00	0.00	15.66	9.57	87.00
9	T&D other Works		01.04.21	31.03.22	34.00	1.50	0.00	0.00	9.00	5.50	50.00
10	T&D Civil Works		01.04.21	31.03.22	6.80	0.30	0.00	0.00	1.80	1.10	10.00
11	T&D IT Works		01.04.21	31.03.22	6.80	0.30	0.00	0.00	1.80	1.10	10.00
12	MRT divisions		01.04.21	31.03.22	7.48	0.33	0.00	0.00	1.98	1.21	11.00
	Andhra Pradesh 24x7 Power for All										
P155038	The development objective of the project is to increase the delivery of electricity to		6/22/2017	6/30/2022							200.0
Total					611.18	27.08	2.76	0.00	162.50	99.24	1102.75

Year 3

Project Code*	Project Title	SOURCE OF FINANCING							Investments proposed for the year			
		Internal Accrual Component of capex in year	Equity Component of capex in year	Debt Component of capex in year					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
A	SCHEMES APPROVED BY											
	NIL											
B	SCHEMES COSTING LESS											
1	194 DDG (O&M)	0.42		0.05	12.00%	5 Years	10 Years	REC	0.46	0.00	0.01	0.11
2	229 DDG (O&M)	0.19		0.09	10.00%	3 Years	13 years	REC& EPDCL	0.28	0.01	0.01	0.11
3	T&D works (Circle offices)	2.67						EPDCL	2.67	0.00	0.33	0.11
C	SCHEMES WHICH ARE UN											
	NIL											
D	SCHEMES NOT APPROVED											
	NIL											
E	NEW SCHEMES FOR WHIC											
1	33/11KV SS (T&D)			44.50	11%	3 Years	10 Years	Bank/FI	44.50	0.00	5.50	0.11
2	Normal Plan (Release of Services)	356.00						EPDCL	356.00	0.00	44.00	0.11
3	SI-Conductors & SI-Lines			42.62	11%	3 Years	10 Years	Bank/FI	42.62	2.75	5.61	0.11
4	SI-VCBs			42.72	11%	3 Years	10 Years	Bank/FI	42.72	0.00	5.28	0.11
5	SI- Meters			53.40	11%	3 Years	10 Years	Bank/FI	53.40	0.00	6.60	0.11
6	SI-PTRs			73.87	11%	3 Years	10 Years	Bank/FI	73.87	0.00	9.13	0.11
7	SI-DTRs			34.71	11%	3 Years	10 Years	Bank/FI	34.71	0.00	4.29	0.11
8	Release of Agl. Services	77.43						EPDCL	77.43	0.00	9.57	0.11
9	T&D other Works			44.50				EPDCL	44.50	0.00	5.50	0.11
10	T&D Civil Works			8.90				EPDCL	8.90	0.00	1.10	0.11
11	T&D IT Works			8.90				EPDCL	8.90	0.00	1.10	0.11
12	MRT divisions			9.79				EPDCL	9.79	0.00	1.21	0.11
	Andhra Pradesh 24x7 Powe											
P155038	The development objective of the project is to increase the delivery of electricity to	4.40		84.00	2.00%	5 Years	14 Years	IBRD	200.00			
				56.00	2.00%	5 Years	14 Years	AIIB				
				55.60	10.75%	3 Years	10 Years	REC				
Total		441.11	0.00	559.65					1000.75	2.76	99.24	

Year 3

		Amount in Rs Crores								
		Investments incurred in the year				Cumulative progress (Year on year)				Remarks
Project Code*	Project Title	Annual								
		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	
A	SCHEMES APPROVED BY T									
	NIL									
B	SCHEMES COSTING LESS									
1	194 DDG (O&M)	0.46	0.00	0.01	0.11	0.46	0.00	0.01	0.11	
2	229 DDG (O&M)	0.28	0.01	0.01	0.11	0.28	0.01	0.01	0.11	
3	T&D works (Circle offices)	2.67	0.00	0.33	0.11	2.67	0.00	0.33	0.11	
C	SCHEMES WHICH ARE UN									
	NIL									
D	SCHEMES NOT APPROVED									
	NIL									
E	NEW SCHEMES FOR WHIC									
1	33/11KV SS (T&D)	44.50	0.00	5.50	0.11	44.50	0.00	5.50	0.11	
2	Normal Plan (Release of Services)	356.00	0.00	44.00	0.11	356.00	0.00	44.00	0.11	
3	SI-Conductors & SI-Lines	42.62	2.75	5.61	0.11	42.62	2.75	5.61	0.11	
4	SI-VCBs	42.72	0.00	5.28	0.11	42.72	0.00	5.28	0.11	
5	SI- Meters	53.40	0.00	6.60	0.11	53.40	0.00	6.60	0.11	
6	SI-PTRs	73.87	0.00	9.13	0.11	73.87	0.00	9.13	0.11	
7	SI-DTRs	34.71	0.00	4.29	0.11	34.71	0.00	4.29	0.11	
8	Release of Agl. Services	77.43	0.00	9.57	0.11	77.43	0.00	9.57	0.11	
9	T&D other Works	44.50	0.00	5.50	0.11	44.50	0.00	5.50	0.11	
10	T&D Civil Works	8.90	0.00	1.10	0.11	8.90	0.00	1.10	0.11	
11	T&D IT Works	8.90	0.00	1.10	0.11	8.90	0.00	1.10	0.11	
12	MRT divisions	9.79	0.00	1.21	0.11	9.79	0.00	1.21	0.11	
	Andhra Pradesh 24x7 Powe									
P155038	The development objective of the project is to increase the delivery of electricity to	200.00				200.00				
Total		1000.75	2.76	99.24		1000.75	2.76	99.24		

Year 4

Project Details					PLANNED CAPITAL EXPENDITURE						
Project Code*	Project Title	Project Purpose**	Project Start Date (DD-MON-YY)	Project Completion date (DD-MON-YY)	Base Cost	Contingency	IDC	Duties	Taxes	Expense capitalised	TOTAL COST
A	SCHEMES APPROVED BY THE COMMISSION										
	NIL										
B	SCHEMES COSTING LESS THAN Rs.5.00 Cr.										
1	T&D works (Circle offices)		01.04.22	31.03.23	2.72	0.12	0.00	0.00	0.72	0.44	4.00
2	229 DDG (O&M)		05.11.16	30.05.18	0.24	0.01	0.01	0.00	0.06	0.01	0.33
C	SCHEMES WHICH ARE UNDER PROCESS AT COMMISSION AND APPROVAL IS AWAITED										
	NIL										
D	SCHEMES NOT APPROVED BY THE COMMISSION										
	NIL										
E	NEW SCHEMES FOR WHICH INVESTMENT PROPOSALS ARE TO BE SUBMITTED TO THE COMMISSION										
1	33/11KV SS (T&D)		01.04.22	31.03.23	34.00	1.50	0.00	0.00	9.00	5.50	50.00
2	Normal Plan (Release of Services)		01.04.22	31.03.23	306.00	13.50	0.00	0.00	81.00	49.50	450.00
3	SI-Conductors & SI-Lines		01.04.22	31.03.23	50.55	2.42	4.36	0.00	14.54	8.88	80.75
4	SI-VCBs		01.04.22	31.03.23	40.80	1.80	0.00	0.00	10.80	6.60	60.00
5	SI- Meters		01.04.22	31.03.23	54.40	2.40	0.00	0.00	14.40	8.80	80.00
6	SI-PTRs		01.04.22	31.03.23	47.60	2.10	0.00	0.00	12.60	7.70	70.00
7	SI-DTRs		01.04.22	31.03.23	27.20	1.20	0.00	0.00	7.20	4.40	40.00
8	Release of Agl. Services		01.04.22	31.03.23	71.40	3.15	0.00	0.00	18.90	11.55	105.00
9	T&D other Works		01.04.22	31.03.23	45.34	2.00	0.00	0.00	12.00	7.33	66.67
10	T&D Civil Works		01.04.22	31.03.23	6.80	0.30	0.00	0.00	1.80	1.10	10.00
11	T&D IT Works		01.04.22	31.03.23	10.20	0.45	0.00	0.00	2.70	1.65	15.00
12	MRT divisions		01.04.22	31.03.23	13.60	0.60	0.00	0.00	3.60	2.20	20.00
	Andhra Pradesh 24x7 Power for All										
P155038	The development objective of the project is to increase the delivery of electricity to		6/22/2017	6/30/2022							234.0
Total					710.85	31.55	4.37	0.00	189.32	115.67	1285.75

Year 4

		SOURCE OF FINANCING							Investments proposed for the year			
Project Code*	Project Title	Internal Accrual Component of capex in year	Equity Component of capex in year	Debt Component of capex in year					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
A	SCHEMES APPROVED BY											
	NIL											
B	SCHEMES COSTING LESS											
1	T&D works (Circle offices)	3.56						EPDCL	3.56	0.00	0.44	0.11
2	229 DDG (O&M)	0.21		0.10	10.00%	3 Years	13 years	REC& EPDCL	0.31	0.01	0.01	0.11
C	SCHEMES WHICH ARE UN											
	NIL											
D	SCHEMES NOT APPROVED											
	NIL											
E	NEW SCHEMES FOR WHIC											
1	33/11KV SS (T&D)			44.50	11%	3 Years	10 Years	Bank/FI	44.50	0.00	5.50	0.11
2	Normal Plan (Release of Services)	400.50						EPDCL	400.50	0.00	49.50	0.11
3	SI-Conductors & SI-Lines			67.51	11%	3 Years	10 Years	Bank/FI	67.51	4.36	8.88	0.11
4	SI-VCBs			53.40	11%	3 Years	10 Years	Bank/FI	53.40	0.00	6.60	0.11
5	SI- Meters			71.20	11%	3 Years	10 Years	Bank/FI	71.20	0.00	8.80	0.11
6	SI-PTRs			62.30	11%	3 Years	10 Years	Bank/FI	62.30	0.00	7.70	0.11
7	SI-DTRs			35.60	11%	3 Years	10 Years	Bank/FI	35.60	0.00	4.40	0.11
8	Release of Agl. Services	93.45						EPDCL	93.45	0.00	11.55	0.11
9	T&D other Works			59.34				EPDCL	59.34	0.00	7.33	0.11
10	T&D Civil Works			8.90				EPDCL	8.90	0.00	1.10	0.11
11	T&D IT Works			13.35				EPDCL	13.35	0.00	1.65	0.11
12	MRT divisions			17.80				EPDCL	17.80	0.00	2.20	0.11
	Andhra Pradesh 24x7 Powe											
P155038	The development objective of the project is to increase the delivery of electricity to	5.15		98.28	2.00%	5 Years	14 Years	IBRD	234.00			
				65.52	2.00%	5 Years	14 Years	AIIB				
				65.05	10.75%	3 Years	10 Years	REC				
Total		502.87	0.00	662.84					1165.71	4.37	115.67	

Year 4

Amount in Rs Crores

		Investments incurred in the year				Cumulative progress (Year on year)				Remarks
Project Code*	Project Title	Annual								
		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	
A	SCHEMES APPROVED BY									
	NIL									
B	SCHEMES COSTING LESS									
1	T&D works (Circle offices)	3.56	0.00	0.44	0.11	3.56	0.00	0.44	0.11	
2	229 DDG (O&M)	0.31	0.01	0.01	0.11	0.31	0.01	0.01	0.11	
C	SCHEMES WHICH ARE UN									
	NIL									
D	SCHEMES NOT APPROVED									
	NIL									
E	NEW SCHEMES FOR WHIC									
1	33/11KV SS (T&D)	44.50	0.00	5.50	0.11	44.50	0.00	5.50	0.11	
2	Normal Plan (Release of Services)	400.50	0.00	49.50	0.11	400.50	0.00	49.50	0.11	
3	SI-Conductors & SI-Lines	67.51	4.36	8.88	0.11	67.51	4.36	8.88	0.11	
4	SI-VCBs	53.40	0.00	6.60	0.11	53.40	0.00	6.60	0.11	
5	SI- Meters	71.20	0.00	8.80	0.11	71.20	0.00	8.80	0.11	
6	SI-PTRs	62.30	0.00	7.70	0.11	62.30	0.00	7.70	0.11	
7	SI-DTRs	35.60	0.00	4.40	0.11	35.60	0.00	4.40	0.11	
8	Release of Agl. Services	93.45	0.00	11.55	0.11	93.45	0.00	11.55	0.11	
9	T&D other Works	59.34	0.00	7.33	0.11	59.34	0.00	7.33	0.11	
10	T&D Civil Works	8.90	0.00	1.10	0.11	8.90	0.00	1.10	0.11	
11	T&D IT Works	13.35	0.00	1.65	0.11	13.35	0.00	1.65	0.11	
12	MRT divisions	17.80	0.00	2.20	0.11	17.80	0.00	2.20	0.11	
	Andhra Pradesh 24x7 Powe									
P155038	The development objective of the project is to increase the delivery of electricity to	234.00				234.00				
Total		1165.71	4.37	115.67		1165.71	4.37	115.67		

Year 5

Project Details					PLANNED CAPITAL EXPENDITURE						
Project Code*	Project Title	Project Purpose**	Project Start Date (DD-MON-YY)	Project Completion date (DD-MON-YY)	Base Cost	Contingency	IDC	Duties	Taxes	Expense capitalised	TOTAL COST
A	SCHEMES APPROVED BY THE COMMISSION										
	NIL										
B	SCHEMES COSTING LESS THAN Rs.5.00 Cr.										
1	T&D works (Circle offices)		01.04.23	31.03.24	3.40	0.15	0.00	0.00	0.90	0.55	5.00
C	SCHEMES WHICH ARE UNDER PROCESS AT COMMISSION AND APPROVAL IS AWAITED										
	NIL										
D	SCHEMES NOT APPROVED BY THE COMMISSION										
	NIL										
E	NEW SCHEMES FOR WHICH INVESTMENT PROPOSALS ARE TO BE SUBMITTED TO THE COMMISSION										
1	33/11KV SS (T&D)		01.04.23	31.03.24	54.40	2.40	0.00	0.00	14.40	8.80	80.00
2	Normal Plan (Release of Services)		01.04.23	31.03.24	397.80	17.55	0.00	0.00	105.30	64.35	585.00
3	SI-Conductors & SI-Lines		01.04.23	31.03.24	75.59	3.62	6.52	0.00	21.74	13.28	120.75
4	SI-VCBs		01.04.23	31.03.24	48.96	2.16	0.00	0.00	12.96	7.92	72.00
5	SI- Meters		01.04.23	31.03.24	65.28	2.88	0.00	0.00	17.28	10.56	96.00
6	SI-PTRs		01.04.23	31.03.24	81.60	3.60	0.00	0.00	21.60	13.20	120.00
7	SI-DTRs		01.04.23	31.03.24	60.52	2.67	0.00	0.00	16.02	9.79	89.00
8	Release of Agl. Services		01.04.23	31.03.24	102.00	4.50	0.00	0.00	27.00	16.50	150.00
9	T&D other Works		01.04.23	31.03.24	54.40	2.40	0.00	0.00	14.40	8.80	80.00
10	T&D Civil Works		01.04.23	31.03.24	13.60	0.60	0.00	0.00	3.60	2.20	20.00
11	T&D IT Works		01.04.23	31.03.24	13.60	0.60	0.00	0.00	3.60	2.20	20.00
12	MRT divisions		01.04.23	31.03.24	16.32	0.72	0.00	0.00	4.32	2.64	24.00
Total					987.47	43.85	6.52	0.00	263.12	160.79	1461.75

Year 5

Project Code*	Project Title	SOURCE OF FINANCING							Investments proposed for the year			
		Internal Accrual Component of capex in year	Equity Component of capex in year	Debt Component of capex in year					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
A	SCHEMES APPROVED BY											
	NIL											
B	SCHEMES COSTING LESS											
1	T&D works (Circle offices)	4.45						EPDCL	4.45	0.00	0.55	0.11
C	SCHEMES WHICH ARE UN											
	NIL											
D	SCHEMES NOT APPROVED											
	NIL											
E	NEW SCHEMES FOR WHIC											
1	33/11KV SS (T&D)			71.20	11%	3 Years	10 Years	Bank/FI	71.20	0.00	8.80	0.11
2	Normal Plan (Release of Services)	520.65						EPDCL	520.65	0.00	64.35	0.11
3	SI-Conductors & SI-Lines			100.95	11%	3 Years	10 Years	Bank/FI	100.95	6.52	13.28	0.11
4	SI-VCBs			64.08	11%	3 Years	10 Years	Bank/FI	64.08	0.00	7.92	0.11
5	SI- Meters			85.44	11%	3 Years	10 Years	Bank/FI	85.44	0.00	10.56	0.11
6	SI-PTRs			106.80	11%	3 Years	10 Years	Bank/FI	106.80	0.00	13.20	0.11
7	SI-DTRs			79.21	11%	3 Years	10 Years	Bank/FI	79.21	0.00	9.79	0.11
8	Release of Agl. Services	133.50						EPDCL	133.50	0.00	16.50	0.11
9	T&D other Works			71.20				EPDCL	71.20	0.00	8.80	0.11
10	T&D Civil Works			17.80				EPDCL	17.80	0.00	2.20	0.11
11	T&D IT Works			17.80				EPDCL	17.80	0.00	2.20	0.11
12	MRT divisions			21.36				EPDCL	21.36	0.00	2.64	0.11
Total		658.60							1294.44	6.52	160.79	1.43

Year 5

Amount in Rs Crores										
Project Code*	Project Title	Investments incurred in the year				Cumulative progress (Year on year)				Remarks
		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	
A	SCHEMES APPROVED BY									
	NIL									
B	SCHEMES COSTING LESS									
1	T&D works (Circle offices)	4.45	0.00	0.55	0.11	4.45	0.00	0.55	0.11	
C	SCHEMES WHICH ARE UN									
	NIL									
D	SCHEMES NOT APPROVED									
	NIL									
E	NEW SCHEMES FOR WHIC									
1	33/11KV SS (T&D)	71.20	0.00	8.80	0.11	71.20	0.00	8.80	0.11	
2	Normal Plan (Release of Services)	520.65	0.00	64.35	0.11	520.65	0.00	64.35	0.11	
3	SI-Conductors & SI-Lines	100.95	6.52	13.28	0.11	100.95	6.52	13.28	0.11	
4	SI-VCBs	64.08	0.00	7.92	0.11	64.08	0.00	7.92	0.11	
5	SI- Meters	85.44	0.00	10.56	0.11	85.44	0.00	10.56	0.11	
6	SI-PTRs	106.80	0.00	13.20	0.11	106.80	0.00	13.20	0.11	
7	SI-DTRs	79.21	0.00	9.79	0.11	79.21	0.00	9.79	0.11	
8	Release of Agl. Services	133.50	0.00	16.50	0.11	133.50	0.00	16.50	0.11	
9	T&D other Works	71.20	0.00	8.80	0.11	71.20	0.00	8.80	0.11	
10	T&D Civil Works	17.80	0.00	2.20	0.11	17.80	0.00	2.20	0.11	
11	T&D IT Works	17.80	0.00	2.20	0.11	17.80	0.00	2.20	0.11	
12	MRT divisions	21.36	0.00	2.64	0.11	21.36	0.00	2.64	0.11	
Total		1294.44		160.79		6.52	6.52	160.79		

Form 1.1(e) - Voltage wise asset base

This form refers to the gross and net asset base calculation

Particulars	D Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Gross Fixed Assets		7071.44	8089.73	10083.09	12071.02	13481.84	15068.42
33 kV		792.28	906.37	1129.70	1352.43	1510.49	1688.25
11 kV		4207.67	4813.58	5999.68	7182.54	8022.02	8966.07
LT		2071.49	2369.78	2953.71	3536.05	3949.33	4414.10
Accumulated Depreciation		3421.01	3817.70	4266.86	4848.69	5553.96	6349.69
33 kV		383.29	427.73	478.06	543.24	622.26	711.41
11 kV		2035.58	2271.62	2538.88	2885.09	3304.74	3778.22
LT		1002.14	1118.35	1249.92	1420.36	1626.96	1860.06
Net Fixed Assets		3650.43	4272.03	5816.23	7222.32	7927.89	8718.73
33 kV		408.99	478.63	651.65	809.18	888.23	976.84
11 kV		2172.09	2541.96	3460.80	4297.46	4717.28	5187.85
LT		1069.34	1251.44	1703.79	2115.69	2322.37	2554.04

Form1.1 g(i) - New Loans

Please fill in the required details pertaining to each year

Base Year

Amount in Rs. Crores

Particulars	Amount	Purpose	Status	Agency	Agreed Interest Rate	Moratorium Period (Years)	Repayment period (Years)	Remarks
For the works of HVDS, IPDS, , SCADA, DDG Etc.	75.85				12.00%			
Andhra Pradesh 24x7 Power for All	420	The development objective of the project is to increase the delivery of electricity to customers and to improve the operational efficiency and system reliability in distribution of electricity in selected areas in Andhra Pradesh.	signed on 22-06-2017		11.70%	5	14	
	280		signed on 22-06-2017		11.70%	5	14	
	278		Sanctioned on 28-02-2018. To be signed		10.75%	3	10	
Total	1053.85				11.47%			

Year 1

Amount in Rs. Crores

Particulars	Amount	Purpose	Status	Agency	Agreed Interest Rate	Moratorium Period (Years)	Repayment period (Years)	Remarks
For funding Base Investment & 25% of Normal Works	1161.84		To be tied Up	REC/PFC or any other Financial Institution	12%	NIL	10/12 Years	
Total	1161.84							

Year 2

Amount in Rs. Crores

Particulars	Amount	Purpose	Status	Agency	Agreed Interest Rate	Moratorium Period (Years)	Repayment period (Years)	Remarks
For funding Base Investment & 25% of Normal Works	738.54		To be tied Up	REC/PFC or any other Financial Institution	12%	NIL	10/12 Years	
Total	738.54							

Year 3

Amount in Rs. Crores

Particulars	Amount	Purpose	Status	Agency	Agreed Interest Rate	Moratorium Period (Years)	Repayment period (Years)	Remarks
For funding Base Investment & 25% of Normal Works	840.11		To be tied Up	REC/PFC or any other Financial Institution	12%	NIL	10/12 Years	
Total	840.11							

Year 4

Amount in Rs. Crores

Particulars	Amount	Purpose	Status	Agency	Agreed Interest Rate	Moratorium Period (Years)	Repayment period (Years)	Remarks
For funding Base Investment & 25% of Normal Works	985.66		To be tied Up	REC/PFC or any other Financial Institution	12%	NIL	10/12 Years	
Total	985.66							

Year 5

Amount in Rs. Crores

Particulars	Amount	Purpose	Status	Agency	Agreed Interest Rate	Moratorium Period (Years)	Repayment period (Years)	Remarks
For funding Base Investment & 25% of Normal Works	1124.01		To be tied Up	REC/PFC or any other Financial Institution	12%	NIL	10/12 Years	
Total	1124.01							

Form 1.1g - Loans

INDIAN LOANS & DEBENTURES

This form pertains to the Total Indian Loans and Debentures
Please fill in the required details pertaining to each year

Base Year	FY2018-19									
Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Secured Loans			all						3484.73	548.75
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						2543.05	370.00
PFC		PFC						10.20%	947.91	300.00
REC		REC						9.95%	950.00	70.00
PTC		PTC						10.50%	200.00	0.00
Loan Bifurcation from TSNPDCL		TSNPDCL							16.14	0.00
FRP-9.95% Unsecured Bonds - I		A.P.Genco						9.95%	301.49	0.00
FRP- Conversion of STL to Term Loans		Bank of India & IOB						10.38%	127.51	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Secured Loans			all						941.68	178.75
REC Ltd		REC								
JBIC (Monthly)		REC						10.47%	27.51	
JBIC (Qty)		REC						10.12%	37.94	
Indiramma (Monthly)		REC						12.75%	8.01	
LED Light		REC						10.70%	16.09	
HVDS		REC						10.50%	81.75	
Existing schemes		REC								
RGVY		REC						10.28%	11.44	
DDG		REC						10.58%	3.35	
AGL Solar Pumpsets		REC						10.00%	29.96	56.07
Interest free schemes		REC							24.61	0.00
Energy Efficient Pump sets		REC						11.00%	0.00	41.40
DDUCJY		REC						10.25%	0.00	23.00
PFC Ltd.										
R-APDRP (Part -A)		PFC						0.00%	51.16	0.00
R-APDRP (Part -B)-75%		PFC						10.60%	47.50	0.00
R-APDRP (Part -B)-25%		PFC						0.00%	12.05	0.00
R-APDRP SCADA Part-A		PFC						0.00%	2.93	0.00
R-APDRP SCADA Part-B		PFC						0.00%	3.21	0.00

Form 1.1g - Loans

Base Year		Amount in Rs. Crores						
FY2018-19		Amount in Rs. Crores						
Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Secured Loans		403.44	3630.05	311.93	380.46			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Borrowings for working capital		366.79	2546.26	213.13	380.46			
PFC		250.00	997.91	99.24	266.57			
REC		62.50	957.50	94.99	94.99			
PTC		40.00	160.00	18.90	18.90			
Loan Bifurcation from TSNDPCL		0.00	16.14					
FRP-9.95% Unsecured Bonds - I		0.00	301.49					
FRP- Conversion of STL to Term Loans		14.29	113.22					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Other Secured Loans		36.65	1083.78	98.80	0.00			
REC Ltd			0.00					
JBIC (Monthly)		6.23	21.28	2.55				
JBIC (Qty)		5.42	32.52	3.57				
Indiramma (Monthly)		1.20	6.81	0.94				
LED Light		1.79	14.30	1.63				
HVDS		10.02	71.73	8.06				
Existing schemes			0.00					
RGGVY		2.51	8.93	1.05				
DDG		0.32	3.03	0.34				
AGL Solar Pumpsets			86.03	5.80				
Interest free schemes		0.00	24.61	0.00				
Energy Efficient Pump sets		0.00	41.40	2.28				
DDUGJY		0.00	23.00	1.18				
PFC Ltd.			0.00	0.00				
R-APDRP (Part -A)		0.00	51.16	0.00				
R-APDRP (Part -B)-75%		3.47	44.04	4.85				
R-APDRP (Part -B)-25%		0.00	12.05	0.00				
R-APDRP SCADA Part-A		0.00	2.93	0.00				
R-APDRP SCADA Part-B		0.00	3.21	0.00				

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
IPDS		PFC						10.25%	20.00	58.28
PFC GEL (Solar Pumpsets loan)		PFC GEL						9.78%	19.90	
CC Limits for Working capital		SBI & Andhra Bank, Sydicate Bank						11.00%	544.28	0.00
Unsecured Loans			all						0.00	0.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						0.00	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Unsecured Loans			all						0.00	0.00
TOTAL			all						3484.73	548.75

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
IPDS		4.00	74.28	4.83				
PFC GEL (Solar Pumpsets loan)		1.69	18.20	1.86				
			0.00					
CC Limits for Working capital		0.00	544.28	59.87				
			0.00					
Unsecured Loans		0.00	0.00	0.00	0.00			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Borrowings for working capital		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
Other Unsecured Loans		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
TOTAL		403.44	3630.05	311.93	380.46			

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Year 1	FY2019-20									
Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Secured Loans			all						3630.04	500.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						2546.26	500.00
PFC		PFC						10.20%	997.91	0.00
REC		REC						9.95%	957.50	500.00
PTC		PTC						10.50%	160.00	0.00
Loan Bifurcation from TSNPDCL		TSNPDCL							16.14	0.00
FRP-9.95% Unsecured Bonds - I		A.P.Genco						9.95%	301.49	0.00
FRP- Conversion of STL to Term Loans		Bank of India & IOB						10.38%	113.22	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Secured Loans			all						1083.78	0.00
REC Ltd		REC								
JBIC (Monthly)		REC						10.47%	21.28	
JBIC (Qty)		REC						10.12%	32.52	
Indiramma (Monthly)		REC						12.75%	6.81	
LED Light		REC						10.70%	14.30	
HVDS		REC						10.50%	71.73	
Existing schemes		REC							0.00	
RGGVY		REC						10.28%	8.93	
DDG		REC						10.58%	3.03	
AGL Solar Pumpsets		REC						10.00%	86.03	
Interest free schemes		REC							24.61	
Energy Efficient Pump sets		REC						11.00%	41.40	
DDUGJY		REC						10.25%	23.00	
PFC Ltd.										
R-APDRP (Part -A)		PFC						0.00%	51.16	
R-APDRP (Part -B)-75%		PFC						10.60%	44.04	
R-APDRP (Part -B)-25%		PFC						0.00%	12.05	
R-APDRP SCADA Part-A		PFC						0.00%	2.93	

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Year 1	FY2019-20	Amount in Rs. Crores						
Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Secured Loans		539.72	3590.33	318.22	594.66			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Borrowings for working capital		499.29	2546.97	214.20	594.66			
PFC		250.00	747.91	89.04	355.61			
REC		195.00	1262.50	110.46	205.45			
PTC		40.00	120.00	14.70	33.60			
Loan Bifurcation from TSNPDCL		0.00	16.14					
FRP-9.95% Unsecured Bonds - I		0.00	301.49					
FRP- Conversion of STL to Term Loans		14.29	98.93					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Other Secured Loans		40.43	1043.35	104.02	0.00			
REC Ltd			0.00					
JBIC (Monthly)		6.23	15.05	1.90				
JBIC (Qty)		5.42	27.10	3.02				
Indiramma (Monthly)		1.20	5.61	0.79				
LED Light		1.79	12.51	1.43				
HVDS		10.02	61.71	7.01				
Existing schemes			0.00	0.00				
RGVY		2.51	6.42	0.79				
DDG		0.32	2.71	0.30				
AGL Solar Pumpsets			86.03	8.60				
Interest free schemes		0.00	24.61	0.00				
Energy Efficient Pump sets		0.00	41.40	4.55				
DDUGJY		0.00	23.00	2.36				
PFC Ltd.			0.00					
R-APDRP (Part -A)		0.00	51.16	0.00				
R-APDRP (Part -B)-75%		3.47	40.57	4.48				
R-APDRP (Part -B)-25%		0.00	12.05	0.00				
R-APDRP SCADA Part-A		0.00	2.93	0.00				

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
R-APDRP SCADA Part-B		PFC						0.00%	3.21	
IPDS		PFC						10.25%	74.28	
PFC GEL (Solar Pumpsets loan)		PFC GEL						9.78%	18.20	
CC Limits for Working capital		SBI & Andhra Bank, Sydicate Bank						11.00%	544.28	
Unsecured Loans			all						0.00	0.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						0.00	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Unsecured Loans			all						0.00	0.00
TOTAL			all						3630.04	500.00

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
R-APDRP SCADA Part-B		0.00	3.21	0.00				
IPDS		7.78	66.50	7.21				
PFC GEL (Solar Pumpsets loan)		1.69	16.51	1.70				
			0.00					
CC Limits for Working capital		0.00	544.28	59.87				
Unsecured Loans		0.00	0.00	0.00	0.00			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Borrowings for working capital		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
Other Unsecured Loans		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
TOTAL		539.72	3590.33	318.22	594.66			

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Year 2	FY2020-21									
Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Secured Loans			all						3590.32	500.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						2546.97	500.00
PFC		PFC						10.20%	747.91	
REC		REC						9.95%	1262.50	500.00
PTC		PTC						10.50%	120.00	
Loan Bifurcation from TSNDPCL		TSNDPCL							16.14	0.00
FRP-9.95% Unsecured Bonds - I		A.P.Genco						9.95%	301.49	0.00
FRP- Conversion of STL to Term Loans		Bank of India & IOB						10.38%	98.93	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Secured Loans			all						1043.35	0.00
REC Ltd		REC								
JBIC (Monthly)		REC						10.47%	15.05	
JBIC (Qty)		REC						10.12%	27.10	
Indiramma (Monthly)		REC						12.75%	5.61	
LED Light		REC						10.70%	12.51	
HVDS		REC						10.50%	61.71	
Existing schemes		REC								
RGGVY		REC						10.28%	6.42	
DDG		REC						10.58%	2.71	
AGL Solar Pumpsets		REC						10.00%	86.03	
Interest free schemes		REC							24.61	
Energy Efficient Pump sets		REC						11.00%	41.40	
DDUGJY		REC						10.25%	23.00	
PFC Ltd.										
R-APDRP (Part -A)		PFC						0.00%	51.16	
R-APDRP (Part -B)-75%		PFC						10.60%	40.57	
R-APDRP (Part -B)-25%		PFC						0.00%	12.05	
R-APDRP SCADA Part-A		PFC						0.00%	2.93	

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Year 2	FY2020-21	Amount in Rs. Crores						
Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Secured Loans		582.72	3507.60	312.49	807.35			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Borrowings for working capital		542.29	2504.68	212.69	807.35			
PFC		250.00	497.91	63.54	419.15			
REC		238.00	1524.50	138.65	344.10			
PTC		40.00	80.00	10.50	44.10			
Loan Bifurcation from TSNPDCL		0.00	16.14					
FRP-9.95% Unsecured Bonds - I		0.00	301.49					
FRP- Conversion of STL to Term Loans		14.29	84.64					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Other Secured Loans		40.43	1002.92	99.80	0.00			
REC Ltd			0.00					
JBIC (Monthly)		6.23	8.82	1.25				
JBIC (Qty)		5.42	21.68	2.47				
Indiramma (Monthly)		1.20	4.41	0.64				
LED Light		1.79	10.72	1.24				
HVDS		10.02	51.69	5.95				
Existing schemes			0.00					
RGGVY		2.51	3.91	0.53				
DDG		0.32	2.39	0.27				
AGL Solar Pumpsets		0.00	86.03	8.60				
Interest free schemes		0.00	24.61	0.00				
Energy Efficient Pump sets		0.00	41.40	4.55				
DDUGJY		0.00	23.00	2.36				
PFC Ltd.			0.00	0.00				
R-APDRP (Part -A)		0.00	51.16	0.00				
R-APDRP (Part -B)-75%		3.47	37.11	4.12				
R-APDRP (Part -B)-25%		0.00	12.05	0.00				
R-APDRP SCADA Part-A		0.00	2.93	0.00				

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
R-APDRP SCADA Part-B		PFC						0.00%	3.21	
IPDS		PFC						10.25%	66.50	
PFC GEL (Solar Pumpsets loan)		PFC GEL						9.78%	16.51	
CC Limits for Working capital		SBI & Andhra Bank, Sydicate Bank						11.00%	544.28	
Unsecured Loans			all						0.00	0.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						0.00	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Unsecured Loans			all						0.00	0.00
TOTAL			all						3590.32	500.00

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
R-APDRP SCADA Part-B		0.00	3.21	0.00				
IPDS		7.78	58.72	6.42				
PFC GEL (Solar Pumpsets loan)		1.69	14.82	1.53				
			0.00					
CC Limits for Working capital		0.00	544.28	59.87				
			0.00					
			0.00					
Unsecured Loans		0.00	0.00	0.00	0.00			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Borrowings for working capital		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
Other Unsecured Loans		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
TOTAL		582.72	3507.60	312.49	807.35			

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Year 3	FY2021-22									
Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Secured Loans			all						3507.60	700.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						2504.68	700.00
PFC		PFC						10.20%	497.91	0.00
REC		REC						9.95%	1524.50	700.00
PTC		PTC						10.50%	80.00	0.00
Loan Bifurcation from TSNPDCL		TSNPDCCL							16.14	0.00
FRP-9.95% Unsecured Bonds - I		A.P.Genco						9.95%	301.49	0.00
FRP- Conversion of STL to Term Loans		Bank of India & IOB						10.38%	84.64	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Secured Loans			all						1002.92	0.00
REC Ltd		REC								
JBIC (Monthly)		REC						10.47%	8.82	
JBIC (Qty)		REC						10.12%	21.68	
Indiramma (Monthly)		REC						12.75%	4.41	
LED Light		REC						10.70%	10.72	
HVDS		REC						10.50%	51.69	
Existing schemes		REC								
RGGVY		REC						10.28%	3.91	
DDG		REC						10.58%	2.39	
AGL Solar Pumpsets		REC						10.00%	86.03	
Interest free schemes		REC							24.61	
Energy Efficient Pump sets		REC						11.00%	41.40	
DDUGJY		REC						10.25%	23.00	
PFC Ltd.										
R-APDRP (Part -A)		PFC						0.00%	51.16	
R-APDRP (Part -B)-75%		PFC						10.60%	37.11	
R-APDRP (Part -B)-25%		PFC						0.00%	12.05	
R-APDRP SCADA Part-A		PFC						0.00%	2.93	

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Year 3	FY2021-22	Amount in Rs. Crores						
Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Secured Loans		718.62	3488.98	307.83	1020.14			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Borrowings for working capital		667.29	2537.39	212.79	1020.14			
PFC		250.00	247.91	38.04	457.19			
REC		363.00	1861.50	168.45	512.55			
PTC		40.00	40.00	6.30	50.40			
Loan Bifurcation from TSNPDCL		0.00	16.14					
FRP-9.95% Unsecured Bonds - I		0.00	301.49					
FRP- Conversion of STL to Term Loans		14.29	70.35					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Other Secured Loans		51.33	951.59	95.04	0.00			
REC Ltd			0.00					
JBIC (Monthly)		6.23	2.59	0.60				
JBIC (Qty)		5.42	16.26	1.92				
Indiramma (Monthly)		1.20	3.21	0.49				
LED Light		1.79	8.93	1.05				
HVDS		10.02	41.66	4.90				
Existing schemes			0.00					
RGGVY		2.51	1.40	0.27				
DDG		0.32	2.07	0.24				
AGL Solar Pumpsets		8.60	77.43	8.17				
Interest free schemes		0.00	24.61	0.00				
Energy Efficient Pump sets		0.00	41.40	4.55				
DDUGJY		2.30	20.70	2.24				
PFC Ltd.			0.00					
R-APDRP (Part -A)		0.00	51.16	0.00				
R-APDRP (Part -B)-75%		3.47	33.64	3.75				
R-APDRP (Part -B)-25%		0.00	12.05	0.00				
R-APDRP SCADA Part-A		0.00	2.93	0.00				

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
R-APDRP SCADA Part-B		PFC						0.00%	3.21	
IPDS		PFC						10.25%	58.72	
PFC GEL (Solar Pumpsets loan)		PFC GEL						9.78%	14.82	
CC Limits for Working capital		SBI & Andhra Bank, Sydicate Bank						11.00%	544.28	
Unsecured Loans			all						0.00	0.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						0.00	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Unsecured Loans			all						0.00	0.00
TOTAL			all						3507.60	700.00

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
R-APDRP SCADA Part-B		0.00	3.21	0.00				
IPDS		7.78	50.94	5.62				
PFC GEL (Solar Pumpsets loan)		1.69	13.12	1.37				
			0.00					
CC Limits for Working capital		0.00	544.28	59.87				
			0.00					
			0.00					
Unsecured Loans		0.00	0.00	0.00	0.00			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Borrowings for working capital		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
Other Unsecured Loans		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
TOTAL		718.62	3488.98	307.83	1020.14			

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Year 4	FY2022-23									
Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Secured Loans			all						3488.98	1000.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						2537.39	1000.00
PFC		PFC						10.20%	247.91	0.00
REC		REC						9.95%	1861.50	1000.00
PTC		PTC						10.50%	40.00	0.00
Loan Bifurcation from TSNPDCL		TSNPDC							16.14	0.00
FRP-9.95% Unsecured Bonds - I		A.P.Genco						9.95%	301.49	0.00
FRP- Conversion of STL to Term Loans		Bank of India & IOB						10.38%	70.35	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Secured Loans			all						951.59	0.00
REC Ltd		REC								
JBIC (Monthly)		REC						10.47%	2.59	
JBIC (Qty)		REC						10.12%	16.26	
Indiramma (Monthly)		REC						12.75%	3.21	
LED Light		REC						10.70%	8.93	
HVDS		REC						10.50%	41.66	
Existing schemes		REC								
RGGVY		REC						10.28%	1.40	
DDG		REC						10.58%	2.07	
AGL Solar Pumpsets		REC						10.00%	77.43	
Interest free schemes		REC							24.61	
Energy Efficient Pump sets		REC						11.00%	41.40	
DDUGJY		REC						10.25%	20.70	
PFC Ltd.										
R-APDRP (Part -A)		PFC						0.00%	51.16	
R-APDRP (Part -B)-75%		PFC						10.60%	33.64	
R-APDRP (Part -B)-25%		PFC						0.00%	12.05	
R-APDRP SCADA Part-A		PFC						0.00%	2.93	

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Year 4	FY2022-23	Amount in Rs. Crores						
Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Secured Loans		836.77	3652.21	315.40	1245.57			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Borrowings for working capital		790.20	2747.19	225.43	1245.57			
PFC		247.91	0.00	12.64	469.83			
REC		488.00	2373.50	210.69	723.24			
PTC		40.00	0.00	2.10	52.50			
Loan Bifurcation from TSNPDCL		0.00	16.14					
FRP-9.95% Unsecured Bonds - I		0.00	301.49					
FRP- Conversion of STL to Term Loans		14.29	56.06					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Other Secured Loans		46.58	905.01	89.97	0.00			
REC Ltd			0.00					
JBIC (Monthly)		2.59	0.00	0.14				
JBIC (Qty)		5.42	10.84	1.37				
Indiramma (Monthly)		1.20	2.01	0.33				
LED Light		1.79	7.14	0.86				
HVDS		10.02	31.64	3.85				
Existing schemes			0.00					
RGVY		1.40	0.00	0.07				
DDG		0.32	1.75	0.20				
AGL Solar Pumpsets		8.60	68.83	7.31				
Interest free schemes		0.00	24.61	0.00				
Energy Efficient Pump sets		0.00	41.40	4.55				
DDUGJY		2.30	18.40	2.00				
PFC Ltd.			0.00					
R-APDRP (Part -A)		0.00	51.16	0.00				
R-APDRP (Part -B)-75%		3.47	30.18	3.38				
R-APDRP (Part -B)-25%		0.00	12.05	0.00				
R-APDRP SCADA Part-A		0.00	2.93	0.00				

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
R-APDRP SCADA Part-B		PFC						0.00%	3.21	
IPDS		PFC						10.25%	50.94	
PFC GEL (Solar Pumpsets loan)		PFC GEL						9.78%	13.12	
CC Limits for Working capital		SBI & Andhra Bank, Sydicate Bank						11.00%	544.28	
Unsecured Loans			all						0.00	0.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						0.00	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Unsecured Loans			all						0.00	0.00
TOTAL			all						3488.98	1000.00

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
R-APDRP SCADA Part-B		0.00	3.21	0.00				
IPDS		7.78	43.16	4.82				
PFC GEL (Solar Pumpsets loan)		1.69	11.43	1.20				
			0.00					
CC Limits for Working capital		0.00	544.28	59.87				
			0.00					
			0.00					
Unsecured Loans		0.00	0.00	0.00	0.00			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Borrowings for working capital		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
Other Unsecured Loans		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
TOTAL		836.77	3652.21	315.40	1245.57			

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Year 5	FY2023-24									
Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
Secured Loans			all						3652.20	1000.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						2747.19	1000.00
PFC		PFC						10.20%	0.00	0.00
REC		REC						9.95%	2373.50	1000.00
PTC		PTC						10.50%	0.00	0.00
Loan Bifurcation from TSNDPCL		TSNDPCL							16.14	0.00
FRP-9.95% Unsecured Bonds - I		A.P.Genco						9.95%	301.49	0.00
FRP- Conversion of STL to Term Loans		Bank of India & IOB						10.38%	56.06	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Secured Loans			all						905.01	0.00
REC Ltd		REC								
JBIC (Monthly)		REC						10.47%	0.00	
JBIC (Qty)		REC						10.12%	10.84	
Indiramma (Monthly)		REC						12.75%	2.01	
LED Light		REC						10.70%	7.14	
HVDS		REC						10.50%	31.64	
Existing schemes		REC								
RGGVY		REC						10.28%	0.00	
DDG		REC						10.58%	1.75	
AGL Solar Pumpsets		REC						10.00%	68.83	
Interest free schemes		REC							24.61	
Energy Efficient Pump sets		REC						11.00%	41.40	
DDUCY		REC						10.25%	18.40	
PFC Ltd.										
R-APDRP (Part -A)		PFC						0.00%	51.16	
R-APDRP (Part -B)-75%		PFC						10.60%	30.18	
R-APDRP (Part -B)-25%		PFC						0.00%	12.05	
R-APDRP SCADA Part-A		PFC						0.00%	2.93	

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Year 5	FY2023-24	Amount in Rs. Crores						
Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
Secured Loans		669.88	3982.32	340.78	1500.99			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Borrowings for working capital		627.29	3119.90	255.42	1500.99			
PFC		0.00	0.00	0.00	469.83			
REC		613.00	2760.50	255.42	978.66			
PTC		0.00	0.00	0.00	52.50			
Loan Bifurcation from TSNPDCL		0.00	16.14					
FRP-9.95% Unsecured Bonds - I		0.00	301.49					
FRP- Conversion of STL to Term Loans		14.29	41.77					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Other Secured Loans		42.59	862.42	85.36	0.00			
REC Ltd			0.00					
JBIC (Monthly)		0.00	0.00	0.00				
JBIC (Qty)		5.42	5.42	0.82				
Indiramma (Monthly)		1.20	0.81	0.18				
LED Light		1.79	5.35	0.67				
HVDS		10.02	21.62	2.80				
Existing schemes			0.00					
RGGVY		0.00	0.00	0.00				
DDG		0.32	1.43	0.17				
AGL Solar Pumpsets		8.60	60.23	6.45				
Interest free schemes		0.00	24.61	0.00				
Energy Efficient Pump sets		0.00	41.40	4.55				
DDUGJY		2.30	16.10	1.77				
PFC Ltd.			0.00					
R-APDRP (Part -A)		0.00	51.16	0.00				
R-APDRP (Part -B)-75%		3.47	26.71	3.01				
R-APDRP (Part -B)-25%		0.00	12.05	0.00				
R-APDRP SCADA Part-A		0.00	2.93	0.00				

Loan Type	Account Code	Loan Agency (Source of Loan)	Loan Code*	Related Project Code	Year of incurring loan	Moratorium Period (in years)	Tenure of Loan (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year
R-APDRP SCADA Part-B		PFC						0.00%	3.21	
IPDS		PFC						10.25%	43.16	
PFC GEL (Solar Pumpsets loan)		PFC GEL						9.78%	11.43	
CC Limits for Working capital		SBI & Andhra Bank, Sydicate Bank						11.00%	544.28	
Unsecured Loans			all						0.00	0.00
Bonds			all						0.00	0.00
Debentures			all						0.00	0.00
Borrowings for working capital			all						0.00	0.00
Funds from State Government and Institution approved by State Government			all						0.00	0.00
Other Unsecured Loans			all						0.00	0.00
TOTAL			all						3652.20	1000.00

Loan Type	Account Code	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on (if any)	Principle payment defaulted on (if any)	Remarks
R-APDRP SCADA Part-B		0.00	3.21	0.00				
IPDS		7.78	35.38	4.03				
PFC GEL (Solar Pumpsets loan)		1.69	9.74	1.03				
			0.00					
CC Limits for Working capital		0.00	544.28	59.87				
Unsecured Loans		0.00	0.00	0.00	0.00			
Bonds		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
			0.00					
Debentures		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Borrowings for working capital		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
			0.00					
Funds from State Government and Institution approved by State Government		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
Other Unsecured Loans		0.00	0.00	0.00	0.00			
			0.00					
			0.00					
TOTAL		669.88	3982.32	340.78	1500.99			

Form 1.1h - FOREIGN CURRENCY LOANS & CREDIT

This form pertains to the Total Foreign Currency Loans and Debentures

Please fill in the required details pertaining to each year

Base Year

Base Year																Amount in Rs. Crores							
Loan Type	Loan Agency (Source of Loan)	Year of Sanction (DD-MMM-YY)	Reason for incurring Loan*	Related Project Code	Tenure of Loan (in years)	Currency of Loan	Amount sanctioned (in FCY)	Initial Exchange Rate	Current Exchange Rate	Moratorium Period (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on	Principle payment defaulted on	Pcode	Loan Code	Remarks	
Secured Loans												0.00	0.00	0.00	0.00	0.00	0.00						
																0.00							
																0.00							
Unsecured Loans												0.00	0.00	0.00	0.00	0.00	0.00						
																0.00							
																0.00							
TOTAL												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

Year 1

Year 1												Amount in Rs. Crores											
Loan Type	Loan Agency (Source of Loan)	Year of Sanction (DD-MMM-YY)	Reason for incurring Loan*	Related Project Code	Tenure of Loan (in years)	Currency of Loan	Amount sanctioned (in FCY)	Initial Exchange Rate	Current Exchange Rate	Moratorium Period (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on	Principle payment defaulted on	Pcode	Loan Code	Remarks	
Secured Loans												0.00	0.00	0.00	0.00	0.00	0.00						
															0.00								
															0.00								
Unsecured Loans												0.00	0.00	0.00	0.00	0.00	0.00						
															0.00								
															0.00								
TOTAL												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

Year 2

Year 2																Amount in Rs. Crores									
Loan Type	Loan Agency (Source of Loan)	Year of Sanction (DD-MMM-YY)	Reason for incurring Loan*	Related Project Code	Tenure of Loan (in years)	Currency of Loan	Amount sanctioned (in FCY)	Initial Exchange Rate	Current Exchange Rate	Moratorium Period (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on	Principle payment defaulted on	Pcode	Loan Code	Remarks			
Secured Loans												0.00	0.00	0.00	0.00	0.00	0.00								
																0.00									
																0.00									
Unsecured Loans												0.00	0.00	0.00	0.00	0.00	0.00								
																0.00									
																0.00									
TOTAL												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

Year 3

Amount in Rs. Crores

Loan Type	Loan Agency (Source of Loan)	Year of Sanction (DD-MMM-YY)	Reason for incurring Loan*	Related Project Code	Tenure of Loan (in years)	Currency of Loan	Amount sanctioned (in FCY)	Initial Exchange Rate	Current Exchange Rate	Moratorium Period (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on	Principle payment defaulted on	Pcode	Loan Code	Remarks
Secured Loans												0.00	0.00	0.00	0.00	0.00	0.00					
															0.00							
															0.00							
Unsecured Loans												0.00	0.00	0.00	0.00	0.00	0.00					
															0.00							
															0.00							
TOTAL												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

Year 4

Amount in Rs. Crores

Loan Type	Loan Agency (Source of Loan)	Year of Sanction (DD-MMM-YY)	Reason for incurring Loan*	Related Project Code	Tenure of Loan (in years)	Currency of Loan	Amount sanctioned (in FCY)	Initial Exchange Rate	Current Exchange Rate	Moratorium Period (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on	Principle payment defaulted on	Pcode	Loan Code	Remarks
Secured Loans												0.00	0.00	0.00	0.00	0.00	0.00					
															0.00							
															0.00							
Unsecured Loans												0.00	0.00	0.00	0.00	0.00	0.00					
															0.00							
															0.00							
TOTAL												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

Year 5

Amount in Rs. Crores

Loan Type	Loan Agency (Source of Loan)	Year of Sanction (DD-MMM-YY)	Reason for incurring Loan*	Related Project Code	Tenure of Loan (in years)	Currency of Loan	Amount sanctioned (in FCY)	Initial Exchange Rate	Current Exchange Rate	Moratorium Period (in years)	Rate of Interest	Balance at the beginning of the year	Amount received during the year	Amount redeemed during the year	Balance outstanding at the end of the year	Interest Expense incurred during the year	Interest Expense paid till end of the year	Interest payment defaulted on	Principle payment defaulted on	Pcode	Loan Code	Remarks
Secured Loans												0.00	0.00	0.00	0.00	0.00	0.00					
															0.00							
															0.00							
Unsecured Loans												0.00	0.00	0.00	0.00	0.00	0.00					
															0.00							
															0.00							
TOTAL												0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

Form 1.1j - CURRENT ASSETS

This form refers to the total current assets

Please fill in the required details pertaining to each year

Amount in Rs. Crores

PARTICULARS	D Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5	Remarks
MATERIAL STOCK & RELATED ACCOUNTS		188.93	185.84	143.13	162.56	190.49	215.83	
SUNDRY DEBTORS		1855.61	2044.69	2252.68	2481.47	2733.14	3009.97	
CASH AND BANK		299.82	314.81	330.55	347.08	364.43	382.65	
LOANS AND ADVANCES		4.85	5.09	5.35	5.62	5.90	6.19	
OTHER CURRENT ASSETS		1572.19	1691.06	1778.45	1873.94	1979.86	2097.57	
GRAND TOTAL		3921.40	4241.49	4510.16	4870.66	5273.81	5712.21	

Form 1.1k - CURRENT LIABILITIES

This form refers to the total current liabilities

Please fill in the required details pertaining to each year

Amount in Rs. Crores

PARTICULARS	D Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
a) Short term Borrowings		3090.54	3091.25	3048.96	3081.67	3291.47	3664.18
b) Trade Payables		909.49	1061.78	1072.95	1136.61	1246.32	1366.32
c) Other current liabilities		918.16	1110.12	1262.26	1422.98	1598.58	1793.82
d) Short term Provisions		166.88	171.89	177.04	182.35	187.83	193.46
GRAND TOTAL		5085.08	5435.03	5561.22	5823.62	6324.19	7017.78

Form 1.1n - RESERVES**Amount in Rs.Crore**

This form pertains to the total reserves

Please fill in the required details pertaining to each year

PARTICULARS	D Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Consumer Contributions		224	74	108	110	137	162
General Reserve		-3164	-2846	-2701	-2469	-2198	-1874
Contingency Reserve		0	0	0	0	0	0
Grants		24	-36	-33	-30	-28	-26
GRAND TOTAL		-2915.9	-2807.8	-2625.8	-2389.6	-2088.9	-1737.8

Form : 1.2 - Cash Flow Statement

Cash Flows from Operating Activities	D Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Net Profit before Tax		73.79	87.70	133.50	195.88	239.30	268.00
Adjustments for depreciation		371.25	396.69	449.16	581.83	705.26	795.74
Adjustments for foreign exchange loss / (gain)		0.00	0.00	0.00	0.00	0.00	0.00
Provision for diminution in value of investments		0.00	0.00	0.00	0.00	0.00	0.00
Interest expense (income)		207.23	366.55	488.16	584.77	683.91	790.57
Less: Withdrawal of Dep. On CC assets		210.00	172.11	176.73	183.04	190.74	200.78
Operating income before working capital charges		442	679	894	1,179	1,438	1,654
Decrease / (increase) in trade and other receivables		-171.89	-189.08	-207.99	-228.79	-251.67	-276.83
Decrease / (increase) in inventories		16.38	3.09	42.70	-19.43	-27.93	-25.33
Decrease / (increase) in miscellaneous expenditure not written off							
Interest to consumers on security deposit							
Increase/(Decrease) in trade payables		105.32	244.51	225.57	188.26	-30.54	-210.84
Cash generated from operations		392.08	737.35	954.38	1119.49	1127.60	1140.52
Interest paid							
Provision for Income Tax		14.76	17.54	26.70	39.18	47.86	53.60
Extraordinary gain / (loss)							
Net cash from generated from operating activities		406.84	754.89	981.08	1158.67	1175.46	1194.12
Cash Flows from Investing Activities							
Acquisition of subsidiary							
Purchase of Fixed Assets (Including Interest capitalised)		-641.13	-1018.29	-1993.36	-1987.92	-1410.83	-1586.58
Reserves in Government Bonds							
Interest received							
Dividends received							
Purchase of Other Investment Activities		14.58	0.00	0.00	0.00	0.00	4.46
Sale of Other Investment Activities		0.00	0.00	0.00	0.00	0.00	0.00
Increase/(Decrease) in liability for Capital works		-960.53	-575.76	753.93	629.89	-91.53	-87.93
Accumulated interest on investments through contingency reserve							
Net cash used in (from) investment activities		-1587.07	-1594.06	-1239.43	-1358.04	-1502.35	-1670.05
Cash Flows from Financing Activities							
Proceeds from issuance of share capital		0.00	0.00	0.00	0.00	0.00	0.00
Proceeds from Long Term Debt		1232.60	1161.84	738.54	840.11	985.66	1124.01
Repayment of long term debt		-36.65	-40.43	-40.43	-156.72	-268.15	-338.01
Proceeds from Govt. Subsidies and Grants		247.67	37.89	75.27	79.46	109.26	136.72
Payment of financial lease liabilities							
Interest Paid		-207.23	-366.55	-488.16	-584.77	-683.91	-790.57
Dividends paid							
Net cash from (used in) financing activities		1236.40	792.75	285.22	178.08	142.85	132.14
Net Change in Cash Equivalents		-400.72	31.43	96.53	48.99	-109.17	-260.91
Cash and Cash Equivalents at Beginning of Year		285.54	299.82	314.81	330.55	347.08	364.43
Cash and Cash Equivalents at End of Year		299.82	314.81	330.55	347.08	364.43	382.65

Form 1.3a - Operation and Maintenance Expenses
This form pertains to the Operation and Maintenance Expenses

Aggregate of all circles

Amount in Rs crores

Particulars	D-Link	2018-19 (Base Year)	2019-20	2020-21	2021-22	2022-23	2023-24
Operation & Maintenance Expenses		1421.06	1575.89	1787.39	2052.13	2351.41	2670.97
Employee Cost		1,157.00	1,277.65	1,447.54	1,643.80	1,871.72	2,131.33
Administrative & General Expenses		103.30	121.45	137.60	156.26	177.92	202.60
Repair & Maintenance Expenses		160.76	176.79	202.24	252.08	301.78	337.05
Technical Details							
Total No of consumers		5,983,154.00	6,202,996.00	6,361,400.83	6,571,724.95	6,789,501.84	7,015,013.23
LT consumers		5,979,312.00	6,198,851.00	6,357,227.83	6,567,297.23	6,784,798.20	7,010,009.84
HT consumers		3,842.00	4,145.00	4,173.00	4,427.72	4,703.64	5,003.39
HT 11kV Consumers		3,500.00	3,762.00	3,787.00	4,038.72	4,300.64	4,592.39
HT 33 kV consumers		265.00	284.00	286.00	288.00	301.00	308.00
HT132 kV consumers		77.00	99.00	100.00	101.00	102.00	103.00
		-	-	-	-	-	-
Numer of Substations		945.00	1,123.00	1,246.00	1,381.00	1,533.00	1,698.00
Capacity of Substations (MVA)		7,253.10	8,393.10	9,283.10	10,258.10	11,343.10	12,518.10
Peak Demand (MW)		2,804.00	3,162.00	3,409.00	3,683.00	3,989.00	4,322.00
		-	-	-	-	-	-
Total Length (ckt-km)		140,116.26	146,091.26	152,500.26	159,600.26	167,549.26	176,239.26
LT Line Length		84,506.33	86,848.33	89,589.33	92,630.33	96,032.33	99,755.33
11 kV Line Length		48,509.72	50,851.72	53,592.72	56,633.72	60,035.72	63,758.72
33 kV Line Length		7,100.21	8,391.21	9,318.21	10,336.21	11,481.21	12,725.21
		-	-	-	-	-	-
Number of DTRs		195,657.00	202,167.00	209,977.00	218,647.00	228,427.00	239,077.00
Number of PTRs		1,321.00	1,549.00	1,727.00	1,922.00	2,139.00	2,374.00
Number of Feeders		4,166.00	4,937.00	5,470.00	6,055.00	6,714.00	7,429.00
		-	-	-	-	-	-
Energy Input (MU)		-	-	-	-	-	-
Total Sales (MU)		19,666.70	22,171.17	23,962.57	25,904.90	28,043.25	30,402.00
LT Sales		10,295.09	11,225.50	12,460.54	13,598.23	14,858.48	16,258.12
HT Sales		9,371.61	10,945.67	11,502.03	12,306.68	13,184.77	14,143.88
11 kV Sales		2,309.74	2,442.24	3,482.72	3,642.03	3,810.74	3,989.50
33 kV Sales		2,017.85	2,139.53	2,142.57	2,276.14	2,419.43	2,573.21
132 kV Sales		5,044.02	6,363.90	5,876.74	6,388.51	6,954.59	7,581.16

Circle wise Details

Circle 1 (Please enter the circle name below)

Particulars	D-Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Operation & Maintenance Expenses		171.35	192.43	216.33	246.41	280.34	316.01
Employee Cost		138.74	156.02	175.20	197.38	223.15	252.16
Administrative & General Expenses		13.23	14.83	16.65	18.76	21.21	23.97
Repair & Maintenance Expenses		19.38	21.59	24.48	30.27	35.98	39.88
Technical Details							
Total No of consumers		822913	850188	860558	883396	906871	930979
LT consumers		822554	849796	860161	882972	906403	930470
HT consumers		359	392	397	424	468	509
HT 11kV Consumers		338	371	376	403	446	486
HT 33 kV consumers		16	16	16	16	17	18
HT132 kV consumers		5	5	5	5	5	5
Number of Substations		112	123	136	150	166	183
Capacity of Substations (MVA)		653.80	733.80	823.80	923.80	1033.80	1153.80
Peak Demand (MW)		200	218	238	261	285	312
Total Length (ckt-km)		23397.05	24261.05	25235.05	26324.05	27523.05	28849.05
LT Line Length		14939.35	15321.35	15749.35	16230.35	16757.35	17343.35
11 kV Line Length		7441.60	7823.60	8251.60	8732.60	9259.60	9845.60
33 kV Line Length		1016.10	1116.10	1234.10	1361.10	1506.10	1660.10
Number of DTRs		16995	17575	18225	18955	19755	20645
Number of PTRs		136	152	170	190	212	236
Number of Feeders		479	527	583	644	713	787
Energy Input (MU)							
Total Sales (MU)		1359.87	1471.52	1526.94	1649.50	1783.56	1930.47
LT Sales		772.23	839.42	968.31	1063.97	1169.48	1286.08
HT Sales		587.64	632.10	558.63	585.53	614.08	644.39
11 kV Sales		129.90	140.24	144.33	156.57	169.88	184.33
33 kV Sales		182.87	198.22	171.09	179.50	188.33	197.58
132 kV Sales		274.87	293.64	243.22	249.46	255.87	262.47

Circle 2 (Please enter the circle name below)

Particulars	D-Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Operation & Maintenance Expenses		158.96	175.63	199.39	228.84	262.17	298.36
Employee Cost		129.07	142.39	161.48	183.30	208.68	238.08
Administrative & General Expenses		11.91	13.54	15.35	17.42	19.84	22.63
Repair & Maintenance Expenses		17.98	19.70	22.56	28.11	33.65	37.65
Technical Details							
Total No of consumers		667339	688116	701107	719947	739297	759216
LT consumers		667016	687764	700750	719568	738907	758785
HT consumers		323	352	357	379	390	431
HT 11kV Consumers		287	312	317	339	348	388
HT 33 kV consumers		20	22	22	22	24	25
HT132 kV consumers		16	18	18	18	18	18
Number of Substations		112	125	139	154	171	190
Capacity of Substations (MVA)		717.30	807.30	907.30	1012.30	1132.30	1262.30
Peak Demand (MW)		251	273	298	326	356	390
Total Length (ckt-km)		17559.83	18317.83	19162.83	20095.83	21123.83	22266.83
LT Line Length		10697.99	11027.99	11397.99	11807.99	12257.99	12757.99
11 kV Line Length		6019.92	6349.92	6719.92	7129.92	7579.92	8079.92
33 kV Line Length		841.92	939.92	1044.92	1157.92	1285.92	1428.92
Number of DTRs		16725	17385	18125	18945	19845	20845
Number of PTRs		141	159	179	200	224	250
Number of Feeders		471	527	588	653	727	809
Energy Input (MU)							
Total Sales (MU)		2438.08	2679.56	3036.40	3370.50	3744.17	4162.44
LT Sales		658.03	713.42	826.64	907.68	997.12	1096.06
HT Sales		1780.05	1966.14	2209.75	2462.83	2747.05	3066.38
11 kV Sales		199.55	212.82	235.16	253.07	272.48	293.54
33 kV Sales		338.62	358.10	464.30	502.79	544.48	589.63
132 kV Sales		1241.88	1395.22	1510.29	1706.97	1930.08	2183.21

Circle 3 (Please enter the circle name below)

Particulars	D-Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Operation & Maintenance Expenses		302.27	335.81	380.88	436.08	496.93	562.18
Employee Cost		245.19	272.26	308.46	349.31	395.56	448.60
Administrative & General Expenses		22.89	25.88	29.32	33.20	37.60	42.64
Repair & Maintenance Expenses		34.19	37.67	43.10	53.57	63.78	70.94
Technical Details							
Total No of consumers		1382152	1434235	1497433	1556758	1618476	1682713
LT consumers		1380807	1432786	1495976	1555242	1616909	1681074
HT consumers		1345	1449	1457	1516	1567	1639
HT 11kV Consumers		1193	1279	1285	1342	1388	1457
HT 33 kV consumers		118	126	127	128	132	134
HT132 kV consumers		34	44	45	46	47	48
Number of Substations		220	242	266	292	320	351
Capacity of Substations (MVA)		1670.60	1835.60	2015.60	2210.60	2420.60	2650.60
Peak Demand (MW)		696	749	807	870	938	1013
Total Length (ckt-km)		28649.83	30079.83	31657.83	33383.83	35273.83	37342.83
LT Line Length		18874.76	19512.76	20217.76	20989.76	21836.76	22762.76
11 kV Line Length		8233.19	8871.19	9576.19	10348.19	11195.19	12121.19
33 kV Line Length		1541.88	1695.88	1863.88	2045.88	2241.88	2458.88
Number of DTRs		34407	36027	37817	39777	41927	44277
Number of PTRs		300	333	369	408	450	496
Number of Feeders		1007	1102	1206	1319	1440	1575
Energy Input (MU)							
Total Sales (MU)		6576.30	7123.86	7633.07	8252.34	8926.36	9660.95
LT Sales		2011.89	2172.35	2401.93	2609.04	2835.21	3083.07
HT Sales		4564.41	4951.51	5231.14	5643.30	6091.14	6577.88
11 kV Sales		955.04	1007.67	1096.12	1171.44	1252.42	1339.50
33 kV Sales		871.74	928.51	820.08	871.68	926.58	985.00
132 kV Sales		2737.63	3015.33	3314.93	3600.18	3912.14	4253.38

Circle 4 (Please enter the circle name below)

Particulars	D-Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Operation & Maintenance Expenses		337.12	365.85	418.26	485.66	561.81	644.31
Employee Cost		274.42	296.61	338.73	389.02	447.20	514.13
Administrative & General Expenses		24.56	28.20	32.20	36.98	42.51	48.87
Repair & Maintenance Expenses		38.14	41.04	47.33	59.66	72.10	81.30
Technical Details							
Total No of consumers		1720269	1788966	1809750	1865085	1922239	1981288
LT consumers		1719220	1787835	1808615	1863874	1920956	1979929
HT consumers		1049	1131	1135	1211	1283	1359
HT 11kV Consumers		978	1049	1053	1128	1198	1273
HT 33 kV consumers		55	62	62	63	65	66
HT132 kV consumers		16	20	20	20	20	20
Numer of Substations		211	241	274	311	352	397
Capacity of Substations (MVA)		1858.15	2068.15	2298.15	2558.15	2843.15	3158.15
Peak Demand (MW)		739	800	868	943	1027	1119
Total Length (ckt-km)		31675.90	33068.90	34623.90	36353.90	38282.90	40412.90
LT Line Length		18533.48	19106.48	19748.48	20461.48	21257.48	22137.48
11 kV Line Length		11408.75	11981.75	12623.75	13336.75	14132.75	15012.75
33 kV Line Length		1733.67	1980.67	2251.67	2555.67	2892.67	3262.67
		0.00	0.00	0.00	0.00	0.00	0.00
Number of DTRs		48306	50156	52226	54526	57096	59936
Number of PTRs		333	375	421	473	530	593
Number of Feeders		989	1119	1262	1422	1600	1795
Energy Input (MU)							
Total Sales (MU)		4147.72	4454.21	4829.10	5236.52	5686.79	6185.62
LT Sales		3008.75	3255.49	3748.13	4108.41	4508.14	4952.76
HT Sales		1138.97	1198.72	1080.97	1128.12	1178.65	1232.85
11 kV Sales		605.51	634.70	601.83	620.73	640.43	660.94
33 kV Sales		232.94	253.86	293.29	319.21	347.69	378.97
132 kV Sales		300.52	310.16	185.85	188.17	190.53	192.94

Circle 5 (Please enter the circle name below)

Particulars	D-Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Operation & Maintenance Expenses		451.36	506.18	572.53	655.15	750.16	850.11
Employee Cost		369.59	410.38	463.67	524.79	597.13	678.35
Administrative & General Expenses		30.71	39.01	44.08	49.89	56.76	64.48
Repair & Maintenance Expenses		51.06	56.78	64.78	80.48	96.27	107.27
Technical Details							
Total No of consumers		1390481	1441491	1492552	1546539	1602619	1660818
LT consumers		1389715	1440670	1491725	1545641	1601623	1659752
HT consumers		766	821	827	898	996	1065
HT 11kV Consumers		704	751	756	827	921	988
HT 33 kV consumers		56	58	59	59	63	65
HT132 kV consumers		6	12	12	12	12	12
Numer of Substations		290	392	431	474	524	577
Capacity of Substations (MVA)		2353.25	2948.25	3238.25	3553.25	3913.25	4293.25
Peak Demand (MW)		918	1122	1198	1283	1383	1488
Total Length (ckt-km)		38833.65	40363.65	41820.65	43442.65	45345.65	47367.65
LT Line Length		21460.75	21879.75	22475.75	23140.75	23922.75	24753.75
11 kV Line Length		15406.26	15825.26	16421.26	17086.26	17868.26	18699.26
33 kV Line Length		1966.64	2658.64	2923.64	3215.64	3554.64	3914.64
Number of DTRs		79224	81024	83584	86444	89804	93374
Number of PTRs		411	530	588	651	723	799
Number of Feeders		1220	1662	1831	2017	2234	2463
Energy Input (MU)							
Total Sales (MU)		5144.73	6442.02	6937.07	7396.04	7902.38	8462.52
LT Sales		3844.19	4244.82	4515.53	4909.14	5348.52	5840.14
HT Sales		1300.54	2197.20	2421.54	2486.91	2553.86	2622.38
11 kV Sales		419.74	446.81	1405.29	1440.22	1475.54	1511.19
33 kV Sales		391.68	400.84	393.81	402.95	412.35	422.02
132 kV Sales		489.12	1349.55	622.44	643.74	665.97	689.17

Form 1.3(i) - WORKING CAPITAL

Amount in Rs. Crores

PARTICULARS	D Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
O&M expenses		1421.06	1575.89	1787.39	2052.13	2351.41	2670.97
R&M expenses		1157.00	1277.65	1447.54	1643.80	1871.72	2131.33
A&G expenses		103.30	121.45	137.60	156.26	177.92	202.60
Employee expenses		160.76	176.79	202.24	252.08	301.78	337.05
O&M Stores		19.29	21.21	24.27	30.25	36.21	40.45
Working Capital Requirement (1/12th of total O&M Expenses+ O&M Stores)		137.71	152.54	173.22	201.26	232.16	263.03

Form 1.3i - Other Expenses

Particulars	D-Link	Amount in Rs. Crore					
		Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Amortisation of true up gap for second control period							
Other expenses		14.92	15.37	15.83	16.31	16.80	17.30
TOTAL OTHER EXPENSES		14.92	15.37	15.83	16.31	16.80	17.30

Form 3.3

Distribution System Losses

This form Captures the Total Distribution System Losses as incurred due to losses in 33KV, 11KV and LT System

Please fill in the required details pertaining to each year

Particulars		D - Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
I. Losses in 33 KV System and Connected Equipment								
(i)	Total Energy delivered/required into 33 KV Distribution System from EHT SSs	A	16373.21	18681.92	20215.97	21827.26	23642.86	25606.29
(ii)	Energy delivered/required by all other Generating Stations at 33kV	B	0.00	0.00	0.00	0.00	0.00	0.00
(iii)	Energy consumed by HT consumers at 33KV (Sales + Third Party)	X	2366.85	3519.53	2556.57	2727.14	2945.43	3144.21
(iv)	Energy delivered/required into 11 KV and LT System from 33/11 KV SS	C	13544.64	14637.43	17093.36	18491.14	20040.16	21752.78
	Losses (33 kV System)	(A + B) - (C + X)	461.72	524.96	566.05	608.98	657.27	709.29
	% Losses (33 kV System)	100 x [(A+B)-(C+X)] / (A+B)	0.03	0.03	0.03	0.03	0.03	0.03
II. Losses in 11 KV System and Connected Equipment								
(i)	Energy delivered/required into 11 KV system from 33/11kV SSs	C	13544.64	14637.43	17093.36	18491.14	20040.16	21752.78
(ii)	Energy delivered/required into 11 KV Distribution System from EHT SSs	D	0.00	0.00	0.00	0.00	0.00	0.00
(iii)	Energy delivered/required at 11kV from all other Generating Stations	E	0.00	0.00	0.00	0.00	0.00	0.00
(iv)	Total Energy delivered/required into 11 KV and LT Distribution System	C+D+E	13544.64	14637.43	17093.36	18491.14	20040.16	21752.78
(v)	Energy consumed by HT consumers at 11KV (Sales + Third Party)	Y	2351.74	2448.25	3542.72	3723.03	3923.74	4139.50
(vi)	Total Output from 11kV to LT	F	10741.86	11709.06	12995.10	14176.40	15485.15	16938.95
	Losses (11kV System)	(C + D + E) - (Y + F)	451.04	480.11	555.53	591.72	631.26	674.34
	% Losses (11kV System)	[(C+D+E)-(Y+F)] x 100 / (C+D+E)	0.03	0.03	0.03	0.03	0.03	0.03

Particulars		D - Link	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
III. Losses in LT system and connected equipment								
(i)	Energy delivered/required to LT system from 11/400 V DTRs	F	10741.86	11709.06	12995.10	14176.40	15485.15	16938.95
(ii)	Energy sold to metered categories	Z	8278.33	9017.84	10108.00	11162.00	12336.00	13648.00
(iii)	Energy sold to un-metered categories	N	2016.67	2207.64	2353.00	2436.00	2522.00	2610.00
	Losses (LT System)	F-(Z+N)	446.86	483.58	534.10	578.40	627.15	680.95
	% Losses (LT System)	[F-(Z+N)] x 100 / (F)	0.04	0.04	0.04	0.04	0.04	0.04
IV. Total losses in the Distribution System								
(i)	Total Input to the distribution system	A + B + D + E	16373.21	18681.92	20215.97	21827.26	23642.86	25606.29
(ii)	Total Output from the Distribution Sytem	X + Y + Z + N	15013.59	17193.26	18560.29	20048.17	21727.18	23541.71
(iii)	EHT Sales	G	5526.02	6867.91	6403.74	6942.51	7538.59	8197.16
	Distribution System Losses	(A + B + D + E)-(X + Y + Z + N)	1359.62	1488.65	1655.68	1779.09	1915.69	2064.58
	% Distribution System Losses (Excluding EHT Sales)	[(A+B+D+E)-(X+Y+Z+N)] x 100 / (A+B+D+E)	8.30%	7.97%	8.19%	8.15%	8.10%	8.06%
	% Distribution System Losses (Including EHT Sales)	[(A+B+D+E)-(X+Y+Z+N)] x 100 / (A+B+D+E +G)	6.21%	5.83%	6.22%	6.18%	6.14%	6.11%

Form 7.0 - Consumer Contributions and Grants

Base Year

Particulars	D Link	Opening Balance at the beginning of the year	Additions during the year	Deductions during the year	Closing Balance at the End of the Year	Remarks
Consumer Contributions		1411.32	397.67	173.83	1635.16	
Grants		431.31	60.00	36.17	455.14	
Total		1842.63	457.67	210.00	2090.30	

Year 1

Particulars	D Link	Opening Balance at the beginning of the year	Additions during the year	Deductions during the year	Closing Balance at the End of the Year	Remarks
Consumer Contributions		1635.16	210.00	136.43	1708.73	
Grants		455.14	0.00	35.68	419.46	
Total		2090.30	210.00	172.11	2128.19	

Year 2

Particulars	D Link	Opening Balance at the beginning of the year	Additions during the year	Deductions during the year	Closing Balance at the End of the Year	Remarks
Consumer Contributions		1708.73	252.00	143.84	1816.89	
Grants		419.46	0.00	32.89	386.57	
Total		2128.19	252.00	176.73	2203.46	

Year 3

Particulars	D Link	Opening Balance at the beginning of the year	Additions during the year	Deductions during the year	Closing Balance at the End of the Year	Remarks
Consumer Contributions		1816.89	262.50	152.73	1926.66	
Grants		386.57	0.00	30.31	356.27	
Total		2203.46	262.50	183.04	2282.93	

Year 4

Particulars	D Link	Opening Balance at the beginning of the year	Additions during the year	Deductions during the year	Closing Balance at the End of the Year	Remarks
Consumer Contributions		1926.66	300.00	162.81	2063.85	
Grants		356.27	0.00	27.93	328.34	
Total		2282.93	300.00	190.74	2392.19	

Year 5

Particulars	D Link	Opening Balance at the beginning of the year	Additions during the year	Deductions during the year	Closing Balance at the End of the Year	Remarks
Consumer Contributions		2063.85	337.50	175.04	2226.31	
Grants		328.34	0.00	25.74	302.59	
Total		2392.19	337.50	200.78	2528.90	

Form 8

Revenue Surplus / (deficit) at current tariffs

Items of Non - Tariff Income (Rs. Crs.)	Detail Links	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Aggregate Revenue Requirement (Rs. Crs.)		1982.69	2166.95	2505.18	3097.48	3712.79	4235.64
Wheeling revenue from current tariffs (Rs. Cr)*		1759.41	1981.00	2313.55	2898.45	3504.98	4016.67
Non Tariff Income (Rs. Cr)		223.27	185.95	191.63	199.02	207.82	218.96
Revenue Surplus / (deficit) at current tariffs (Rs Cr)		0.00	0.00	0.00	0.00	0.00	0.00

* Wheeling revenue = Revenue from wheeling from third party+Revenue from wheeling revenue from retail supply business

Form 9

Revenue Surplus / (deficit) at Proposed tariffs

Items of Non - Tariff Income (Rs. Crs.)	Detail Links	Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
Aggregate Revenue Requirement (Rs. Crs.)		1982.69	2166.95	2505.18	3097.48	3712.79	4235.64
Wheeling revenue from proposed tariffs (Rs. Cr)*		1759.41	1981.00	2313.55	2898.45	3504.98	4016.67
Non Tariff Income (Rs. Cr)		223.27	185.95	191.63	199.02	207.82	218.96
Revenue Surplus / (deficit) at proposed tariffs (Rs Cr)		0.00	0.00	0.00	0.00	0.00	0.00

* Wheeling revenue = Revenue from wheeling from third party+Revenue from wheeling revenue from retail supply business

Form 10 - Non Tariff Income

This form captures the Total Non-tariff income during a particular year

Please fill in the required details pertaining to each year

Particulars	D-Link	Amount in Rs. Crore					
		Base Year	Year 1	Year 2	Year 3	Year 4	Year 5
a) Staff Loans & Advances		5.37	5.64	6.39	7.14	7.89	8.64
ii) Fines & Penalties from Suppliers & Contractors		0.00	0.00	0.00	0.00	0.00	0.00
iii) Profit on Sale of Scrap		5.00	5.25	5.51	5.79	6.08	6.38
v) Sale of Tender Schedules		0.25	0.25	0.25	0.25	0.25	0.25
vi) Rental from Contractors		0.05	0.05	0.05	0.05	0.05	0.05
xi) Supervision Charges		0.60	0.61	0.62	0.64	0.65	0.66
xiii) Miscellaneous Income		2.00	2.04	2.08	2.12	2.16	2.21
Withdrawal from Consumer Contribution towards Depreciation on Fixed Assets		210.00	172.11	176.73	183.04	190.74	200.78
TOTAL Non Tariff Income		223.27	185.95	191.63	199.02	207.82	218.96