

Form 1

BEFORE THE KERALA STATE ELECTRICITY REGULATORY COMMISSION

Petition No : _____

In the Matter of : _____

Approval of ARR & ERC Petition for the control period 2022-2027 under the Kerala State Electricity Regulatory Commission (Terms and Condition for determination of Tariff) Regulation,2021 and under the KSERC (Conduct of Business) Regulation,2018.

Name(s) and Full address (es) of the Petitioner(s) /Applicant(s) :

SmartCity (Kochi) Infrastructure Pvt Ltd
SmartCity Pavilion
Brahmapuram P.O
Kakkanad, Kochi – 682303

Name(s) and full address (es) of Respondent(s) :

Nil



A handwritten signature in black ink.

Jinu John Jacob
Company Secretary
SmartCity (Kochi) Infrastructure Pvt Ltd

BEFORE THE KERALA STATE ELECTRICITY REGULATORY COMMISSION

Petition No : _____

In the matter of : _____

Approval of ARR & ERC Petition for the years 2022-23 to 2026-27 under the Kerala State Electricity Regulatory Commission (Terms and Condition for determination of Tariff) Regulation, 2021 and under the KSERC (Conduct of Business) Regulation, 2018.

Name(s) and Full address (es) of the Petitioner(s) / name(s) and full address (es) of the respondent(s)

SmartCity (Kochi) Infrastructure Pvt Ltd
SmartCity Pavilion
Brahmapuram P.O
Kakkanad, Kochi – 682303

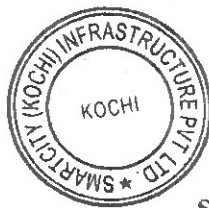
Nil

Affidavit verifying the Application Accompanying filing of ARR & ERC Petition for the control period 2022-27.

I, **Mr. Jinu John Jacob**, S/o. Shri. John Jacob, aged 49 years residing at Kuzhithattil House, No.9, Eastern Villas, T.V. Centre Road, Kakkanad-682037 do solemnly affirm and state as follows:

1. I am the **Company Secretary** of **SmartCity (Kochi) Infrastructure Pvt Ltd**, Kakkanad, Kochi – 682 303 and the Petitioner in the above matter and I am duly authorized to make this affidavit on behalf of the SmartCity(Kochi) Infrastructure Pvt Ltd.
2. The statements made in the accompanying petition application are true to my knowledge and the statements made are based on information received and I believe them to be true.

Solemnly affirmed at Kakkanad on this day of 25th August Twenty Thousand and Twenty Two 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.



Jinu John Jacob
Jinu John Jacob
Company Secretary

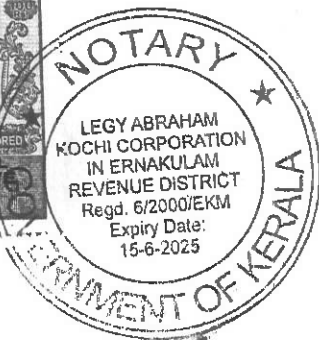
SmartCity (Kochi) Infrastructure Pvt Ltd

Solemnly affirmed and signed before me.

Solemnly affirmed and signed before me by the deponent on this 25th day of August 2022... at my office at Ernakulam.

Legy Abraham

LEGY ABRAHAM
NOTARY - Regd: 6/2000/EKM
MARKET ROAD NORTH
ERNAKULAM, KOCHI-682 018





ARR & ERC PETITION

FOR CONTROL PERIOD 2022-27



**BEFORE THE HONOURABLE
KERALA STATE ELECTRICITY REGULATORY
COMMISSION**

**PETITION IN THE MATTER OF APPROVAL OF
ARR AND ERC PETITION
FOR THE CONTROL PERIOD
FROM FY 2022-23 TO FY 2026-27**

**SUBMITTED BY
SmartCity (Kochi) Infrastructure Pvt Ltd, Kochi**



BEFORE
**THE KERALA STATE ELECTRICITY REGULATORY
COMMISSION**

At its office at C V Raman Pillai Road, Vellayambalam,
Thiruvananthapuram

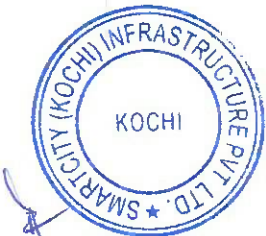
Petition No:

IN THE MATTER OF: **Petition for approval of ARR and ERC for the control period From FY 2022-23 to FY 2026-27 of the Distribution Licensee SmartCity(Kochi) Infrastructure Pvt Ltd..**

Petitioner: M/s. SmartCity (Kochi)Infrastructure Pvt Ltd,
SmartCity Pavilion, Brahmapuram (PO),Kochi-682303

THE PETITIONER RESPECTFULLY SUBMITS THE FOLLOWING FACTS:

1. The Petitioner is an Information Technology Special Economic Zone in Kochi, Kerala, India, formed by Government of Kerala (16% holding) and Dubai Holding (84% holding) to develop infrastructure for knowledge based industries in the State of Kerala and possess Electricity Distribution Licences for supply of electricity within the campus so developed in Kakkand,Kochi. The petitioner has been regularly submitting petitions for approval of Aggregate Revenue Requirement (ARR), Expected Revenue from Charges (ERC), Year-end Truing-Up petitions and other submissions as per the prevailing acts and regulations. Hon'ble Commission had notified in 16th November 2021 by an extraordinary Gazette, called the **Kerala State Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2021** for the five-year control period from FY 2022-23 to FY 2026-27. This petition is submitted in compliance with requirements in the above regulation and for approval of ARR, ERC and determination of Bulk Supply Tariff for the said period.



2. In this petition, the petitioner had made the projections for the said period based on estimation of sales projections considering the historical trend and expectation of future business expansion. The energy sales during the previous and current financial years (FY 2020-21 and FY 2021- 22) suffered substantial loss because of the prevailing Covid-19 pandemic crisis and consequent economic recession. Though the business is expected to recover from the recession during the coming years, the prospects of good business growth seem to be under threat because of the recent situation like covid and war. The conventional statistical approach cannot be applied in making sales and revenue income projections. The petitioner is forced to take a judicious, intuitive reasoning for sales and revenue income projection, whereas for the projection for expenses are done in the conventional way. The estimate of income and expenses thus arrived at for the next five financial years are explained in the following paragraphs and presented in tables in the Formats notified in the regulation.

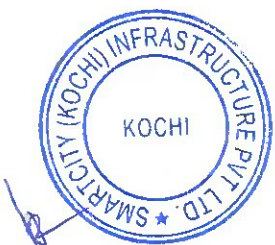
ESTIMATION OF REVENUE INCOME

3. Estimation of Energy Sales and Revenue from Sale of Power:

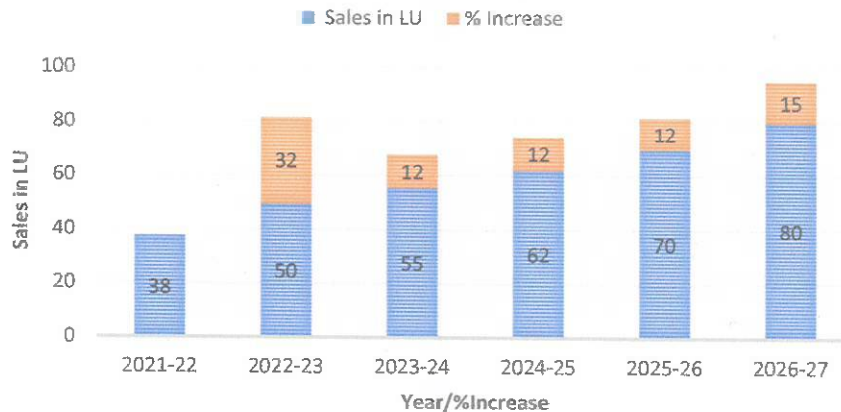
SmartCity is spread over an area of 246 acres (99.6 ha) and envisions a minimum 8.8 million sq ft of built-up space out of which at least 6.21 million sq ft will be specifically for information technology and services. Total 246 acres of land of SCK divided into Land-A-131.41 Acres, land-B-100.66 Acres & Land-C-13.94 Acres. The energy sales in the campus estimated based on expected consumption of new consumers and expected increase in consumption of existing consumers, considering the potential of business growth, and expected economic condition. SmartCity has taken an optimistic growth potential for the next control period in all the phases.

Presently the SmartCity Campus comprises One building and facilities built and owned by SmartCity, One building by individual lessees and One International School. There are Two private buildings (SandsInfiniIT & Prestige) under construction and that are expected to be completed during the next control period. New most of the consumer loads are expected from these buildings. Thus, the total energy Sales to both Low-Tension and High-Tension consumers in this phase are given in the table below. Consumer class wise number of consumers, expected demand, energy sales and revenue expected are given in Format D-2.1 attached to this petition.

Estimation of Sale of Power (in lakh Units)							
Sl. No.	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
1	Sales to LT Consumers	20.033	26.443	29.617	33.171	37.151	42.723
2	Sales to HT consumers	17.470	23.060	25.827	28.927	32.398	37.258
	Total	37.503	49.503	55.444	62.098	69.549	79.981



ENERGY SALES PROJECTION



4. Estimation of revenue from sale of power (SOP)

Sale of power for the control period, based on the sales projection shown above, is given in a set of ARR Format D-2.1 for each year, attached. The rates in the old tariff order considered up to 26th June 2022 and the present tariff order are considered for all the years after that for the estimation. The expected revenue growth for the next control period range between 11% and 22 %. Year 2022-23 expected revenue increase is high due to revision in tariff on June'2022.

Estimation of Revenue from sale of power: in Rs Lakhs							
Sl. No	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
1	LT Consumers	188.332	256.664	304.342	354.790	408.339	473.468
2	HT consumers	176.892	306.491	383.514	487.193	530.036	571.510
	Total Revenue	365.224	563.155	687.856	841.983	938.375	1044.978
	Growth (% , YOY)		54%	22%	22%	11%	11%

5. Estimation of Non-Tariff Income:

All the income earned from sources other than direct sale of power, but incidental to the business of power distribution is included in non-tariff income. Historically, income from such sources were below 1% of the total income. These sources include interest earned from Investments in banks, deposit with KSEB, late payment surcharge from consumers, commission received on electricity duty collection and other miscellaneous sources. A major part of the non-tariff income (90%) was from the interest received from Security deposit at KSEBL and interest of FD. The actual amount of income from such other sources during the last one year of the current control period and estimation for next period is given in ARR Format - D-2.4 and a summary is shown in the table below. Only the interest component of the income can be projected reasonably from historical data and other components are not amenable to such projections but estimated prudently.



Estimation of Non-Tariff Income: in Rs Lakhs							
Sl.No	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
1	Interest on Security deposits	1.252	1,252	1.265	1.265	1.277	1.277
2	Interest on FD	4.145	4.145	4.186	4.186	4.228	4.228
2	Commission for Elec.duty	0.158	0.195	0.218	0.243	0.273	0.314
3	Interest on delayed or deferred payment of bills	0.452	0.443	0.434	0.426	0.417	0.409
	Total NTI	6.007	6.035	6.103	6.120	6.195	6.228

The income from interest on delayed or deferred payment of bills are reducing YOY by 2%. Hence, it is expected that the bill payment by consumers would become more regular in the next period and the late payment surcharge income would progressively get reduced from the present level. Thus, the total income for the control period is shown in the table below.

Estimation of Aggregate Income: SmartCity(Kochi) Infrastructure Pvt Ltd, in Rs Lakhs							
No	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
1	Sale of Power Income	365.225	563.155	687.856	841.983	938.375	1044.978
2	Non-Tariff Income	6.007	6.035	6.103	6.120	6.196	6.228
	Total	371.232	569.190	693.959	848.103	944.571	1051.206
	Revenue growth (% , YOY)		53%	22%	22%	11%	11%

ESTIMATION OF EXPENSES

6. Estimation of losses:

Power purchase expenses constitute the highest contributing component (70-80%) of the petitioner's distribution business. The power purchase expenses are estimated from the energy sales projection and estimated losses. The Aggregate Technical and Commercial (AT&C) Losses for supply area, in turn, is the difference between the total energy purchased in a year and the total energy sold to the consumers. The loss calculation to be exact requires the reading of all the meters taken at the same time. However, the readings of the meters, at present, are taken manually and therefore, obviously, not at the same time. Therefore, the loss figures may not exact. Further, where the consumer load in a supply area is comparatively low because of the external economic and business environment, the no-load technical losses would predominate. Consequently, the percentage losses taken usually for comparison would be high. In such cases the percentage losses cannot be taken for assessing the efficiency of business operations without considering the above effects. Some degree of error is, therefore, natural and can be expected in the computation of losses.

The total losses are the sum of fixed losses and the variable losses proportional to the square of the quantum of energy handles in that year. Hence fixed losses are remain unchanged and the variable loss will be increase as per the increase in the energy



sale. However we will expect a slight reduction in overall distribution loss. The petitioner distribution loss is comparatively high due to sourcing power through Infopark network. SmartCity is sharing the losses of Infopark in proportion to the energy sourced apart from the own distribution loss.

Under such circumstances the petitioner estimates and proposes the following percentage loss figures for the next control period.

Estimation of AT&C losses: in Percentage (%)							
No	Campus	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
1	SmartCity	4.61%	4.31%	4.17%	4.03%	3.89%	3.89%
	Over all Losses	4.61%	4.31%	4.17%	4.03%	3.89%	3.89%

7. Estimation of power purchase requirement:

All the energy required for supplying consumers in SmartCity campus are purchased from the state Utility KSEBL. The Power Purchase requirement for the control period includes consumption of the consumers and losses within the system. The requirement for the control period is thus estimated and shown below.

Energy Purchase Projections-Lakh Unit					
2021-22 (Actual)	2022-23 (Actual+Projected)	2023-24 (Projected)	2024-25 (Projected)	2025-26 (Project)	2026-27 (Projected)
39.318	51.73	57.856	64.706	72.366	83.221

8. Estimation of Power purchase expenses:

The estimated cost of power purchase for the next control period is given in the table shown below. The detailed computation of Power purchase cost is given in ARR Format D-3.1. For the year 2022-23 up to June 2022 old BST and after that new applicable BST is considered for computation.

ESTIMATED POWER PURCHASE COST						
Energy Purchase	2021-22 (Actual)	2022-23 (Actual+Projected)	2023-24 (Projected)	2024-25 (Projected)	2025-26 (Projected)	2026-27 (Projected)
Expenses (Rs Lakhs)	335.571	451.65	581.844	694.834	778.903	917.969

9. Internal Energy Generation:

The energy requirement for the consumers inside the petitioner licensed area is completely met through the power purchased from state utility KSEBL. SmartCity does not possess any generating station to supply continuous power. However Diesel generator sets are installed in the consumer premises for emergency purpose and are metered separately.

As per the co-developer guideline in order to promote the renewable energy utilization SmartCity insisting all co-developers to install maximum capacity solar plants at roof tops and covered parking roof tops. Accordingly following co-developers installed roof top solar PV plants at their buildings.

SCK-01 having capacity- 564 kWp, MariApps Marine Solutions-90.4 kWp & Gems Modern Academy- 63 kWp. Energy generated from these plants is net metered and



adjusted in the invoices. Solar energy thus produced is counted for Renewable Energy Obligation (RPO), but not counted for meeting energy purchase requirement.

10. Estimation of Operation and Maintenance Costs:

Operation and maintenance (O&M) cost constitutes the next highest expense of the distribution business. It comprises three major expense heads, viz, Employee Expenses, Administration and General Expenses and Repairs and maintenance expenses. Estimation of these expenses are described in detail in the following paragraphs.

10.1. Employee Cost:

The petitioner has no permanent employees engaged in the distribution business; but, part services of employees of the principal business are utilised. The employee expenses include salary and benefits to permanent employees engaged in the distribution business. Hon'ble Commission had approved apportioning of Salary expenses in the ratio indicated in the table below in the truing up order for FY 2018-19. The same ratio has been taken for estimating the employee expenses for the next control period.

No	Designation	Posts	Apportioning Ratio
1	Assistant Director-Asset & Infrastructure	1	50%
2	Dy. Manager-MEP	1	50%
3	Dy. Manager- Accounts	1	50%

The Employee Expenses for the next control period are estimated according to the above table and given in the ARR Format-D-3.4 (a) attached to this submission. In April-2022 management approved at salary hike of 7% and 3.5% hike considered in every year after that throughout the control period. A summary of the estimated employee expenses is given below

Estimation Employee Expenses: in Rs Lakhs							
No	Item	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
1	Salary and Benefits	16.4319	17.5821	18.1975	18.8344	19.4936	20.1759
	Total Expenses	46.44	51.78	54.92	58.04	61.23	64.58

10.2. Administration and General Expenses:

Estimation of most of the component expenses of A&G costs are carried out on a yearly percentage increase in line with the method of applying an escalation factor (4.84%) to previous data taken by Hon'ble Commission in the Tariff regulation 2021. The petitioner has applied escalation factors of 5% for various cost components. The expense towards mandatory five yearly audits has also been included for every financial year. The detailed estimation A&G expenses are given in ARR Format D.3.4 (b). This format includes the expense towards payment of duty under Section 3(1) of the Kerala



Electricity Duty Act. Hon'ble Commission had disallowed this component in the past. It may be noted that this amount has to be met from the return that is earned by the petitioner for the investment made in the business. A major part of the returns has been expended towards the payment duty. It is appealed that the Hon'ble Commission may please reconsider the matter and allow genuine expenses. A summary of A&G expenses estimated for future is given in the table below.

Estimation A&G Expenses: in Rs Lakhs							
No	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
1	A&G Expenses	6.7061	7.5414	7.3935	7.9631	8.1513	9.3089
2	Ele Duty - Sec 3 (1)	2.2502	2.9702	3.3267	3.7259	4.1730	4.7989
	Total A&G Expenses	8.9563	10.5116	10.7201	11.6890	12.3242	14.1078

10.3.Repairs and Maintenance Expenses:

The operation, routine repairs and maintenance of the distribution system is carried out through contractors. The contract is awarded after a due transparent process of competitive tendering as per the existing rules of the company. Thus, it is ensured that the contract amount discovered is the lowest possible price.

SmartCity has estimated the future R&M expense based on an average escalation of 4%. The cost for the spares also projected based on the above. However, Hon.Commission may allow actual expense incurred during the truing up accounts.

The R&M expense mainly comprises the remuneration to the employees engaged for Operation and maintenance. At present One Operator employed at substation round the clock. For overall co-ordination one technical executive and for cleaning two no. s HK staff also considered. Also the cost for spares, one time maintenance cost and AMC contracts included in the R&M expense.

The O&M expenses and spares for the maintenance for the next control period are estimated and given in the ARR Format D.3.4(c) and summarised in the table below.

Estimation of R&M Expenses							Rs Lakhs
SLNo	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
1	R&M Contracts	15.40	16.436	16.496	17.605	17.671	18.857
2	R&M materials	1.226	1.287	1.351	1.419	1.490	1.564
	Total Expenses	16.626	17.723	17.847	19.024	19.161	20.421

Hon'ble Commission has taken an escalation factor of 4.84% in arriving at the O&M Costs in the Tariff regulation, 2021. This method presumes that the future expenses are driven by inflation alone and only compensates inflation factor. There are other factors that influence the O&M Cost. Increases in the wages and salaries on account of service length etc are not considered in the above method. It is therefore appealed that Hon'ble Commission may consider and approve the estimated R&M cost as above. Thus, the total O&M Cost for the period is given in the table below.



Estimation of O&M Expenses							Rs Lakhs
Sl. No	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
1	Employee Cost	16.4319	17.5821	18.1975	18.8344	19.4936	20.1759
2	A&G expenses	6.011	6.3116	6.6271	6.9585	7.3064	7.6717
3	R&M Expenses	16.626	17.723	17.847	19.024	19.161	20.421
	O&M Expenses	25.388	28.0937	28.9176	30.5234	31.8178	34.2836

11. Estimation of Depreciation Expenses:

Hon. Commission not allowed depreciation expenses in the past periods since the capital investment was not approved. Therefore, the petitioner filed a separate petition as directed by Hon. Commission for approval of capital investment made since beginning.

The depreciation expense for the next control periods is computed without considering any capital addition during that period. The estimated depreciation expenses are presented in the format D-3.5.A summary of the depreciation expenses is given in the table below.

Estimation of Depreciation Expenses						Rs Lakhs
Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Opening Gross Asset	1609.65	1609.65	1609.65	1609.65	1609.65	1609.65
Depreciation	80.99	80.99	80.87	80.72	80.15	79.59

12. Estimation of Interest expense on long Term Loans:

The Tariff Regulation, 2021 allows interest on the long-term loans on normative basis wherein the maximum equity component of capital investment allowed in 30%, the interest rate considered is the weighted average interest of actual loan portfolio for that year and the repayment is considered equal to the depreciation of that asset.

Estimation of Capital Loan Interests						Rs Lakhs
Item	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Average Normative Loan	910	910	910	910	910	910
Rate of Interest (%)	8.39	7.75	8.00	8.25	8.5	8.75
Interest Amount	76.35	70.53	72.80	75.08	77.35	79.63

13. Return on Equity

The Tariff Regulation, 2021 allows Return on Equity shall be paid in rupee terms, on the paid capital and shall be allowed at the rate of Fourteen Percent (14%) per annum for 30% of the equity. Same tabulated below.

Estimation of Return on Equity						Rs Lakhs
Item	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Equity at the beginning of the year	1300	1300	1300	1300	1300	1300
Rate on Equity for Equity Portion	54.60	54.60	54.60	54.60	54.60	54.60



14. Estimation of Interest payable on Consumer Security deposit:

Petitioner consumers are billed monthly and therefore the security deposit for supply of electricity remitted by them are two times the average monthly bill amount as per Supply Code Regulation 67 (6)(b).

Electricity Act, 2003 mandates payment of interest for Security Deposits held by it. The supply code regulation 72 requires the interest be paid at the **bank rate** notified by RBI and prevailing on April 1st of that year. Now, for estimating the interest amount, a rate of 5.1% is assumed for the entire period. The interest payable to consumers and others are computed and shown in the same D-3.7 Format mentioned above and also shown below.

Estimation of Interest payable on Security Deposit							Rs Lakhs
Sl. No	Particulars	2021-22 (Actua)	2022-23	2023-24	2024-25	2025-26	2026-27
1	Security Deposits (Cash)	69.289	88.76	118.76	124.70	130.93	137.48
2	Interest payable @ 5.1%	2.951	4.527	6.057	6.36	6.678	7.012

15. Capital Investment Plans

SmartCity has a few proposals for capital projects. However, the projects are under preliminary study and the detailed project report have not been prepared. Therefore, no capital investment plan has been included in the submission. The petitioner may submit separate capital investment petition to Hon.Commission after detailed study.

16. Performance:

16.1. Supply availability:

Most of the consumers in SmartCity are information Technology Business and related firms. The continuity and quality of supply is critical for these types of consumers; hence distribution network and related facilities have been built with sufficient redundancy. There has been no incident of major interruption of supply to the consumers during the past years, though the supply from the state grid disrupted several times. SmartCity envisages that continuous supply to customers can also be maintained in the next control period.

16.2. Collection Efficiency:

SmartCity has taken earnest efforts to collect revenue from customers by initiating actions like levying surcharges, disconnections in case of non-payment of electricity dues. The collection efficiency has been almost 100% during the previous years and expected to remain the same during the next control period also.

17. Renewable Purchase Obligation:

Distribution Licensees are obligated entities mandated to fulfil renewable purchase obligation under 'KSERC (Renewable Energy and Net Metering) Regulations, 2022'. As per the notification obligation up to 2023-24 is given. For 2022-23 & 2023-24 the solar obligation is 10.5 % and non-solar obligation is 10.25% & 10.68. However, the petitioner has only limited option to generate solar and non-solar power within the Campuses.



Petitioner has also limited manpower, infrastructure and resources to engage in renewable power purchase contract considering the complexity involved. The RPO requirement and the corresponding purchases are given in the below table. Alternatively, Hon'ble Commission may issue suitable directions to the seller entity (KSEBL) to meet the RPO obligation as envisaged in **Regulation-4 (vi) (i) of RE Regulation, 2020** and claim the respective costs from the petitioner as per sub-section (ii) of the above regulation. In anticipation of above, SmartCity is not claiming any cost towards renewable purchase in the next control period.

Renewable Purchase Obligation						
No	Year	2022-23	2023-24	2024-25	2025-26	2026-27
1	Sales (units)	4950387	5544433	6209765	6954937	7998177
2	Solar RPO					
3	SRPO (%)	10.5	10.5	10.5	10.5	10.5
4	SR PO(units)	519790	582165	652025	730268	839808
5	RE-Generation (units)	-	-	-	-	-
6	Solar Banking(units)	713626	713626	713626	713626	713626
7	Non-Solar RPO	10.25	10.68	10.68	10.68	10.68
8	NSRPO(units)	507415	592145	663202	742787	854205

18. Total Expenditure:

The expected expenditure for the next control period computed is shown in the table below.

Expected Expenditure for control period 2022-2027							Rs Lakhs
No	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
1	Power Purchase Cost	335.57	451.65	581.84	694.83	778.90	917.97
2	Employee Expenses	16.432	17.582	18.197	18.834	19.494	20.176
3	Administration and General	8.956	10.512	10.720	11.689	12.324	14.108
4	Repairs and Maintenance	16.626	17.724	17.848	19.024	19.161	20.422
5	Depreciation	80.99	80.99	80.87	80.72	80.15	79.59
6	Interest on Normative Loan	76.35	70.53	72.8	75.08	77.35	79.63
7	Interest on Security Deposits	2.95	4.53	6.06	6.36	6.68	7.01
8	Total Expenditure	537.88	653.51	788.33	906.53	994.06	1138.90

19. Summary of ARR and ERC:

The estimated expenses and income for the period 2022-27 is provided in the ARR Format D-1.1 and a summary is given in the Table below. The table also contains the net revenue gap for each financial year. It is earnestly appealed that Hon'ble Commission may consider the expenses and income of the petitioner for the next control period and approve the Revenue gap or surplus for the next control period.



SUMMARY OF ESTIMATED ARR & ERC FOR THE PERIOD 2022-27						Rs Lakhs
No	Particulars	2022-23	2023-24	2024-25	2025-26	2026-27
1	Total Expenditure	653.51	788.33	906.53	994.06	1138.90
2	Return on Equity	54.60	54.60	54.60	54.60	54.60
3	ARR	708.012	842.821	961.024	1048.539	1193.379
4	Less: Non-Tariff Income	6.035	6.103	6.120	6.196	6.228
5	ARR from Tariff	701.98	836.72	954.90	1042.34	1187.15
6	Revenue from Sale of power	563.155	687.856	841.983	938.375	1044.978
7	Revenue Gap / Surplus	(138.923)	(148.972)	(113.031)	(104.089)	(142.294)

The petitioner has thus estimated various expenses and income for the ensuing control period, and humbly submits this petition before the Hon'ble Commission for consideration and approval. The Petitioner is submitting the relevant calculations and forms as per the regulation. The petitioner may be allowed to submit further clarifications, if any, required by Hon'ble Commission subsequently and present the case during the public hearing.

20. Bulk supply Tariff:

The computation shown above reveals that the SmartCity distribution licensee would be in substantial revenue gap during the control period. It is appealed that Hon. Commission may please revise the BST to cover the revenue deficit.



PRAYER

21. The Prayer:

The petitioner, therefore, earnestly pleaded that, Hon'ble Commission may please consider the above petition showing the estimated expenditure and income for the Control period of five years starting from April 1, 2022 and

- (1) Approve the ARR, ERC and Revenue gap after the due prudence check
- (2) Revise the Bulk Supply tariff to cover the revenue deficit projected.
- (3) Direct the seller entity to meet the RPO as envisaged in the regulation and
- (4) Consider allowing the Section 3(1) Duty as an expense.

For SmartCity (Kochi) Infrastructure Pvt. Ltd.



Jinu John Jacob
Company Secretary

DEPONENT

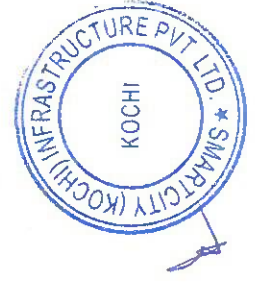




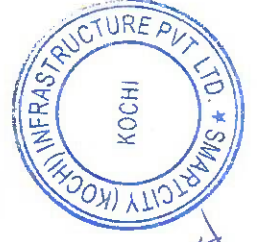
Form D 1.1 : Summary of Aggregate Revenue Requirement

Distribution Licensee : SmartCity(Kochi)Infrastructure Pvt Ltd		(Rs in lakhs)									
No.	Particulars	Ref	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27			
			Estimated	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
1	2	3	4	5	6	7	8	9			
1	Cost of own power generation/power purchase	3.1	335.57	451.65	581.84	694.83	778.90	917.97			
2	Operation & Maintenance Expenses	3.4	42.014	45.817	46.765	49.547	50.979	54.705			
2.1	Employee Expenses	3.4	16.432	17.582	18.197	18.834	19.494	20.176			
2.2	Administration & General Expenses	3.4	8.956	10.512	10.720	11.689	12.324	14.108			
2.3	Repair & Maintenance Expenses	3.4	16.626	17.724	17.848	19.024	19.161	20.422			
4	Depreciation	3.5	80.99	80.99	80.87	80.72	80.15	79.59			
5	Interest and finance charges on long term loans	3.6	76.35	70.53	72.80	75.08	77.35	79.63			
6	Interest on Working Capital	3.7	0.00	0.00	0.00	0.00	0.00	0.00			
7	Interest on consumer security deposits	3.7	2.95	4.53	6.06	6.36	6.68	7.01			
8	Total Revenue Expenditure		537.88	653.51	788.33	906.53	994.06	1138.90			
9	Return on Equity	3.8	54.60	54.60	54.60	54.60	54.60	54.60			
10	Aggregate Revenue Requirement		592.476	708.112	842.931	961.135	1048.660	1193.501			
11	Less: Other Income & non-Tariff Income	2.4	6.007	6.035	6.103	6.120	6.196	6.228			
12	Net ARR		586.47	702.08	836.83	955.01	1042.46	1187.27			
13	Revenue from sale of power		365.225	563.155	687.856	841.983	938.375	1044.978			
14	Net Revenue gap/Surplus		-221.244	-138.923	-148.972	-113.031	-104.089	-142.294			

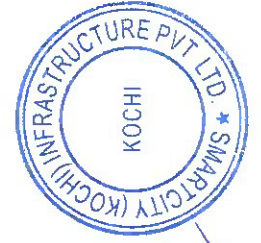
Form D 2.1 : Revenue from Sale of Power for Year 2021-22 (ACTUAL)												
Distribution Licensee : SmartCity(Kochi)Infrastructure Pvt Ltd												
Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd												
No.	Particulars	Consumers	Billed Consumers	Connected/Demand Load	Total Sales	% of total Unit sold	Dem Charges	Dem Charges	Energy Charges	Energy Charges	Total Charges	Average Rate
		Nos	Nos	KW	kWh	%	Rs/kVA	Rs	Rs/kWh	Rs	Rs	Ps/kwh
1	2	3	4	5	6	7	8	9	10	11	12	13
1	LT IV (B) IT & ITS	33	33	1,745	14,94,655	39.9%	170	35,62,167.71	6.25	91,59,502.90	1,27,21,670.61	8.5
2	LT VI (F) General	22	22	770	5,08,635	13.6%	140	12,96,063.92	9.0	48,15,536.22	61,11,600.14	12.0
3	Total Units (LT)	55	55	2,515	20,03,289.96	53.4%		48,58,231.63		1,39,75,039.12	1,88,33,270.75	9.40
4	HT IB- IT& ITS	2	2	650	11,33,743	30.23%	340	35,08,911.00	6.05	68,23,124.73	1,03,32,035.73	9.11
5	HT-II-General (B)	2	2	625	6,13,260	16.35%	440	33,11,588.44	6.2	40,45,577.24	73,57,165.68	12.00
6	Total (HT)	4	4	1,275	17,47,003.00	46.58%		68,20,499.44		1,08,68,701.97	1,76,89,201.41	10.13
7	Total	59	59	3,790	37,50,293	100.00%		1,16,78,731		2,48,43,741	3,65,22,472	9.74
8	Electricity Duty Recovery										15,79,638.12	
9	Gross Sales Revenue										3,81,02,110.28	
10	Less: Electricity Duty										15,79,638.12	
11	Net Sales Revenue										3,65,22,472.16	



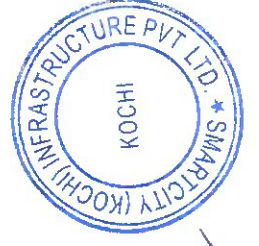
Form D 2.1 : Revenue from Sale of Power for Year 2022-23 (ACTUAL+ESTIMATED)												
Distribution Licensee : SmartCity(Kochi)Infrastructure Pvt Ltd												
Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd												
No.	Particulars	Consumers Nos	Billed Consumers Nos	Connected Load KW	Total Sales kWh	% of total Unit sold	Dem Charges Rs/kVA	Dem Charges Rs	Energy Charges Rs/kWh	Energy Charges Rs	Total Charges Rs	Average Rate Ps/kwh
1	2	3	4	5	6	7	8	9	10	11	12	13
1	LT IV (B) IT & ITS	48	48	2,250	19,72,945	39.9%	200	50,02,164.00	6.60	1,30,21,434.01	1,80,23,598.01	9.1
2	LT VI (F) General	17	17	1,100	6,71,398	13.6%	170	14,32,380.00	9.3	62,10,433.35	76,42,813.35	11.4
3	Total Units (LT)	65	65	3,350	26,44,342.75	53.4%		64,34,544.00		1,92,31,867.36	2,56,66,411.36	9.71
4	HT IB- IT& ITS	2	2	1,050	14,96,541	30.23%	410	52,61,880.00	6.6	1,07,00,266.43	1,59,62,146.43	10.67
5	HT-II-General (B)	2	2	1,550	8,09,503	16.35%	500	93,03,750.00	7.8	53,83,196.28	1,46,86,946.28	18.14
6	Total (HT)	4	4	2,600	23,06,043.96	46.58%		1,45,65,630.00		1,60,83,462.71	3,06,49,092.71	13.29
7	Total	69	69	5,950	49,50,387	100.00%		2,10,00,174		3,53,15,330	5,63,15,504	11.38
8	Electricity Duty Recovery										19,46,247.18	
9	Gross Sales Revenue										5,82,61,751.25	
10	Less: Electricity Duty										19,46,247.18	
11	Net Sales Revenue										5,63,15,504.08	



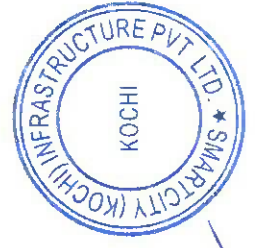
Form D 2.1 : Revenue from Sale of Power for Year 2023-24 (Projected)											
Distribution Licensee : SmartCity(Kochi)Infrastructure Pvt Ltd											
Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd											
No.	Particulars	Consumers	Billed Consumers	Connected Load	Total Sales	% of total Unit sold	Dem Charges	Dem Charges	Energy Charges	Total Charges	Average Rate
		Nos	Nos	KW	kWh	%	Rs/kVA	Rs	Rs/kWh	Rs	Ps/kwh
1	2	3	4	5	6	7	8	9	10	11	13
1	LT IV (B) IT & ITS	63	63	2,250	22,09,698	39.9%	200	64,42,164.00	6.60	1,45,84,006.09	9.5
2	LT VI (F) General	12	12	700	7,51,966	13.6%	170	24,52,380.00	9.3	69,55,685.35	12.5
3	Total Units (LT)	75	75	2,950	29,61,663.88	53.4%		88,94,544.00		2,15,39,691.44	10.28
4	HT IB- IT& ITS	2	2	1,050	16,76,126	30.23%	410	89,51,880.00	6.6	1,19,84,298.41	12.49
5	HT-II-General (B)	2	2	1,550	9,06,644	16.35%	500	1,12,50,000.00	6.8	61,65,176.37	19.21
6	Total (HT)	4	4	2,600	25,82,769.24	46.58%		2,02,01,880.00		1,81,49,474.78	14.85
7	Total	79	79	5,550	55,44,433	100.00%		2,90,96,424		3,96,89,166	12.41
8	Electricity Duty Recovery										
9	Gross Sales Revenue										
10	Less: Electricity Duty										
11	Net Sales Revenue										



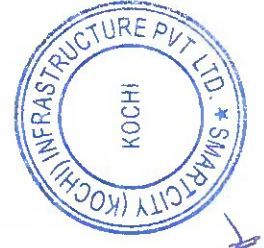
Form D 2.1 : Revenue from Sale of Power for Year 2024-25 (Projected)												
Distribution Licensee : SmartCity(Kochi)Infrastructure Pvt Ltd												
Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd												
No.	Particulars	Consumers	Billed Consumers	Connected Load	Total Sales	% of total	Dem Charges	Dem Charges	Energy Charges	Total Charges	Average Rate	
		Nos	Nos	KW	kWh	%	Rs/kVA	Rs	Rs/kWh	Rs	Ps/kwh	
1	2	3	4	5	6	7	8	9	10	11	12	
1	LT IV (B) IT & ITS	73	73	2,300	24,74,862	39.9%	200	78,82,164.00	6.60	1,63,34,086.82	2,42,16,250.82	9.8
2	LT VI (F) General	7	7	800	8,42,202	13.6%	170	34,72,380.00	9.3	77,90,367.59	1,12,62,747.59	13.4
3	Total Units (LT)	80	80	3,100	33,17,063.54	53.4%		1,13,54,544.00		2,41,24,454.42	3,54,78,998.42	10.70
4	HT IB- IT& ITS	3	3	1,350	18,77,261	30.23%	410	1,26,41,880.00	6.6	1,34,22,414.21	2,60,64,294.21	13.88
5	HT-II-General (B)	2	2	1,550	10,15,441	16.35%	500	1,57,50,000.00	6.8	69,04,997.54	2,26,54,997.54	22.31
6	Total (HT)	5	5	2,900	28,92,701.54	46.58%		2,83,91,880.00		2,03,27,411.75	4,87,19,291.75	16.84
7	Total	85	85	6,000	62,09,765	100.00%		3,97,46,424		4,44,51,866	8,41,98,290	13.56
8	Electricity Duty Recovery										24,41,372.46	
9	Gross Sales Revenue										8,66,39,662.63	
10	Less: Electricity Duty										24,41,372.46	
11	Net Sales Revenue										8,41,98,290.17	

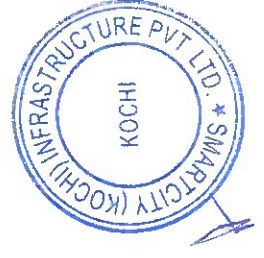


Form D 2.1 : Revenue from Sale of Power for Year 2025-26 (Projected)											
Distribution Licensee : SmartCity(Kochi)Infrastructure Pvt Ltd											
Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd											
No.	Particulars	Consumers	Billed Consumers	Connected Load	Total Sales	% of total Unit sold	Dem Charges	Dem Charges	Energy Charges	Total Charges	Average Rate
		Nos	Nos	KW	kWh	%	Rs/kVA	Rs	Rs/kWh	Rs	Ps/kwh
1	2	3	4	5	6	7	8	9	10	11	13
1	LT IV (B) IT & ITS	80	80	2,800	27,71,845	39.9%	200	93,22,164.00	6.60	1,82,94,177.24	10.0
2	LT VI (F) General	5	5	800	9,43,266	13.6%	170	44,92,380.00	9.3	87,25,211.71	14.0
3	Total Units (LT)	85	85	3,600	37,15,111.17	53.4%		1,38,14,544.00		2,70,19,388.95	10.99
4	HT IB- IT& ITS	3	3	1,350	21,02,532	30.23%	410	1,44,86,880.00	6.6	1,50,33,103.92	14.04
5	HT-II-General (B)	2	2	1,550	11,37,294	16.35%	500	1,57,50,000.00	6.8	77,33,597.24	20.65
6	Total (HT)	5	5	2,900	32,39,825.73	46.58%		3,02,36,880.00		2,27,66,701.16	16.36
7	Total	90	90	6,500	69,54,937	100.00%		4,40,51,424		4,97,86,090	13.49
8	Electricity Duty Recovery									27,34,337.15	
9	Gross Sales Revenue									9,65,71,851.26	
10	Less: Electricity Duty									27,34,337.15	
11	Net Sales Revenue									9,38,37,514.11	



Form D 2.1 : Revenue from Sale of Power for Year 2026-27 (Projected)												
Distribution Licensee : SmartCity(Kochi)Infrastructure Pvt Ltd												
Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd												
No.	Particulars	Consumers	Billed Consumers	Connected Load	Total Sales	% of total Unit sold	Dem Charges	Dem Charges	Energy Charges	Energy Charges	Total Charges	Average Rate
		Nos	Nos	KW	kWh	%	Rs/kVA	Rs	Rs/kWh	Rs	Rs	Ps/kwh
1	2	3	4	5	6	7	8	9	10	11	12	13
1	LT IV (B) IT & ITS	83	83	2,300	31,87,622	39.9%	200	1,07,62,164.00	6.60	2,10,38,303.83	3,18,00,467.83	10.0
2	LT VI (F) General	5	5	800	10,84,756	13.6%	170	55,12,380.00	9.3	1,00,33,993.46	1,55,46,373.46	14.3
3	Total Units (LT)	88	88	3,100	42,72,377.84	53.4%		1,62,74,544.00		3,10,72,297.29	4,73,46,841.29	11.08
4	HT IB- IT& ITS	3	3	1,350	24,17,912	30.23%	410	1,44,86,880.00	6.6	1,72,88,069.51	3,17,74,949.51	13.14
5	HT-II-General (B)	2	2	1,550	13,07,888	16.35%	500	1,57,50,000.00	6.8	96,26,053.98	2,53,76,053.98	19.40
6	Total (HT)	5	5	2,900	37,25,799.59	46.58%		3,02,36,880.00		2,69,14,123.49	5,71,51,003.49	15.34
7	Total	93	93	6,000	79,98,177	100.00%		4,65,11,424		5,79,86,421	10,44,97,845	13.07
8	Electricity Duty Recovery										31,44,487.72	
9	Gross Sales Revenue										10,76,42,332.50	
10	Less: Electricity Duty										31,44,487.72	
11	Net Sales Revenue										10,44,97,844.78	





Form D 2.4 : Non-Tariff Income									
Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd									
Licensed Area of Supply : SmartCity(Kochi) Infrastructure Pvt Ltd					In Rs				
No	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Projected	Projected
1	2	3	4	5	6	7	8		
1	Interest on Security Deposits	1,25,206.00	1,25,206.00	1,26,458.06	1,26,458.06	1,27,722.64	1,27,722.64		
2	Interest on FD	4,14,460.00	4,14,460.00	4,18,604.60	4,18,604.60	4,22,790.65	4,22,790.65		
3	Commission for collection of electricity duty	15,796.38	19,462.47	21,797.97	24,413.72	27,343.37	31,444.88		
4	Interest on delayed or deferred payment of bills	45,231.00	44,326.38	43,439.85	42,571.06	41,719.63	40,885.24		
	Total	6,00,693.38	6,03,454.85	6,10,300.48	6,12,047.44	6,19,576.29	6,22,843.41		

Form D 3.1 : Power Purchase Expenses (Actual) for Year 2021-22

Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd

Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd

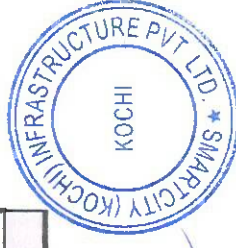
No.	Source of Power	Installed Capacity	Max Demand	Energy received	Annual Fixed charges	Variable Cost	Total Variable Charges	Other Charges-Wheeling Charges	Total Cost	Avg cost of energy
1	2	3	4	5	6	7	8	9	10	11
	Source : KSEB	-	3.00	39.318	91.800	5.650	222.146	21.625	335.571	8.53
	Total	-	3.00	39.318	91.800	5.650	222.146	21.625	335.571	8.535

Form D 3.1 : Power Purchase Expenses (Actual + Projected) for Year 2022-23

Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd

Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd

No.	Source of Power	Installed Capacity	Max Demand	Energy received	Annual Fixed charges	Variable Cost	Total Variable Charges	Other Charges-Wheeling Charge	Total Cost	Avg cost of energy
1	2	3	4	5	6	7	8	9	10	11
	Source : KSEB									
	April-2022 to June-2022		3.00	13.676	23.100	5.650	77.479	7.572	108.151	7.908
	July-2022 to March-2023		3.00	38.06	95.76	5.90	224.53	23.21	343.501	9.026
	Total			51.73	118.86		302.01	30.79	451.65	8.73



Form D 3.1 : Power Purchase Expenses (Projected) for Year 2023-24

Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd

Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd

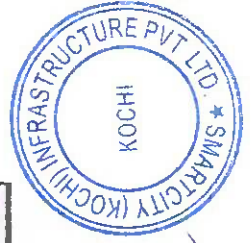
No.	Source of Power	Installed Capacity	Max Demand	Energy received	Annual Fixed charges	Variable Cost	Total Variable Charges	Other Charges-Wheeling Charges	Total Cost	Rs. Lakhs	
										MVA	LU
1	2	3	4	5	6	7	8	9	10	11	
	Source : KSEB		6.00	57.856	205.200	5.900	341.351	35.292	581.844	10.057	
	Total		6.000	57.856	205.200	5.900	341.351	35.292	581.844	10.057	

Form D 3.1 : Power Purchase Expenses (Projected) for Year 2024-25

Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd

Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd

No.	Source of Power	Installed Capacity	Max Demand	Energy received	Annual Fixed charges	Variable Cost	Total Variable Charges	Other Charges-Wheeling Cahrges	Total Cost	Rs. Lakhs	
										MVA	LU
1	2	3	4	5	6	7	8	9	10	11	
	Source : KSEB		6.000	64.706	273.600	5.900	381.764	39.471	694.834	10.738	
	Total		6.000	64.706	273.600	5.900	381.764	39.471	694.834	10.738	



Form D 3.1 : Power Purchase Expenses (Projected) for Year 2025-26

Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd

Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd

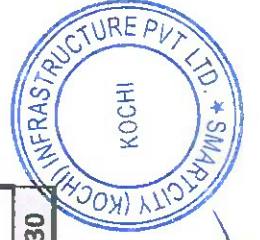
No.	Source of Power	Installed Capacity	Max Demand	Energy received	Annual Fixed charges	Variable Cost	Total Variable Charges	Other Charges-Wheeling Charges	Total Cost	Rs. Lakhs
										Avg cost of energy
1	2	MW 3	MVA 4	LU 5	Rs Lakhs 6	Rs/kWh 7	Rs Lakhs 8	Rs Lakhs 9	Rs Lakhs 10	Rs/kWh 11
	Source : KSEB		9,000	72,366	307,800	5,900	426,960	44,143	778,903	10,763
	Total		9,000	72,366	307,800	5,900	426,960	44,143	778,903	10,763

Form D 3.1 : Power Purchase Expenses (Projected) for Year 2026-27

Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd

Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd

No.	Source of Power	Installed Capacity	Max Demand	Energy received	Annual Fixed charges	Variable Cost	Total Variable Charges	Other Charges-wheeling Charges	Total Cost	Rs. Lakhs
										Avg cost of energy
1	2	MW 3	MVA 4	LU 5	Rs Lakhs 6	Rs/kWh 7	Rs Lakhs 8	Rs Lakhs 9	Rs Lakhs 10	Rs/kWh 11
	Source : KSEB		11,000	83,221	376,200	5,900	491,004	50,765	917,969	11,030
	Total		11,000	83,221	376,200	5,900	491,004	50,765	917,969	11,030

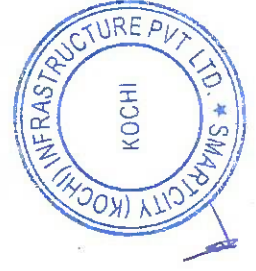


Form D 3.4 : Operations and Maintenance Expenses										
Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd										
S. No.	Particulars	Ref	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	(Rs. Lakhs)	
			Estimated	Projected	Projected	Projected	Projected	Projected	Projected	Projected
1	2	3	4	5	6	7	8	9		
1	Employee Expenses	3.4(a)	16.4319	17.5821	18.1975	18.8344	19.4936	20.1759		
2	A&G Expenses	3.4(b)	8.9563	10.5116	10.7201	11.6890	12.3242	14.1078		
3	R&M Expenses	3.4(c)	16.63	17.72	17.85	19.02	19.16	20.42		
	Total O&M Expenses		25.3881	28.0937	28.9176	30.5234	31.8178	34.2836		



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Form D 3.4(a) : Employee Expenses										
Licensed Area of Supply : SmartCity(Kochi) Infrastructure Pvt Ltd										
Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd										
No.	Particulars	2021-22 Esirnted	2022-23 Projected	2023-24 Projected	2024-25 Projected	2025-26 Projected	2026-27 Projected	Rs. Lakhs	Remarks	
1	2	3	4	5	6	7	8	9		
1	Basic Salary	6.1300	6.5591	6.7887	7.0263	7.2722	7.5267			
2	House Rent Allowance	3.9100	4.1837	4.3301	4.4817	4.6385	4.8009			
3	Conveyance Allowance	1.6820	1.7997	1.8627	1.9279	1.9954	2.0652			
4	Other Allowances	3.5410	3.7889	3.9215	4.0587	4.2008	4.3478			
5	Net Employee Costs	15.2630	16.3314	16.9030	17.4946	18.1069	18.7407			7% hike in Salary from April-22.for year 2022-23 Remaining year considered 3.5% hike in every year considering the increase in DA
6	Provident Fund Contribution	0.7736	0.8278	0.8567	0.8867	0.9178	0.9499			
7	Gratuity Payment	0.1911	0.2045	0.2116	0.2190	0.2267	0.2346			
8	Others (Personal Accident)	0.2042	0.2185	0.2261	0.2340	0.2422	0.2507			
9	Gross Employee Expenses	16.4319	17.5821	18.1975	18.8344	19.4936	20.1759			
10	Less: Expenses Capitalised	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
11	Net Employee Expenses	16.4319	17.5821	18.1975	18.8344	19.4936	20.1759			

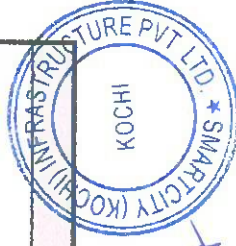


Form D 3.4(B) : Administrative & General Expenses

Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd

Licensed Area of Supply : SmartCity(Kochi) Infrastructure Pvt Ltd

No.	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
		Estimated	Projected	Projected	Projected	Projected	Projected	
1	2	3	4	5	6	7	8	9
1	Insurance	1.1040	1.1592	1.2172	1.2780	1.3419	1.4090	*5% Escalation considered in every year
2	Telephone & Postage, etc.	0.1612	0.1693	0.1777	0.1866	0.1959	0.2057	
3	Audit Fees	0.2500	0.2625	0.2756	0.2894	0.3039	0.3191	
	Periodical Inspection charges	0.8425	0.8846	0.9289	0.9753	1.0241	1.0753	
4	Conveyance / Transportation	0.1429	0.1500	0.1575	0.1654	0.1737	0.1824	
	Water charges	0.0960	0.1008	0.1058	0.1111	0.1167	0.1225	
	Printing & Stationery	0.0803	0.0843	0.0885	0.0929	0.0976	0.1024	
	Bank Charges	1.4563	1.5291	1.6056	1.6859	1.7702	1.8587	
	Office Expenses	0.7020	0.7371	0.7739	0.8126	0.8533	0.8959	
	License Fee and other related fee	0.1050	0.1103	0.1158	0.1216	0.1276	0.1340	
	V-sat, Internet and related charges	0.2025	0.2126	0.2233	0.2344	0.2461	0.2584	
	Books & periodicals	0.0045	0.0047	0.0049	0.0052	0.0054	0.0057	
	Computer Stationery	0.0090	0.0094	0.0099	0.0104	0.0109	0.0114	
	Others -PPA, ARR	0.0000	0.5000	0.0000	0.2000	0.0000	0.7500	
6	Energy Audit Fee	1.5500	1.6275	1.7089	1.7943	1.8840	1.9782	As per Bureau of Energy Efficiency regulations Licensee shall conduct periodical and annual audit through accredited agency
13	A&G Expenses	6.7061	7.5414	7.3935	7.9631	8.1513	9.3089	
14	Ele. Duty u/s 3(i), KED Act	2.2502	2.9702	3.3267	3.7259	4.1730	4.7989	@ 6 paise per dutiable units
15	Total A&G Expenses	8.9563	10.5116	10.7201	11.6890	12.3242	14.1078	

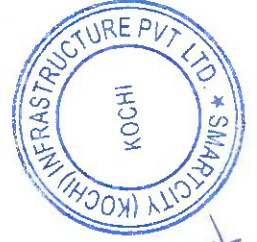


Form D 3.4 (c) : Repair & Maintenance Expenses

Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd

Licensed Area of Supply : SmartCity(Kochi) Infrastructure Pvt Ltd

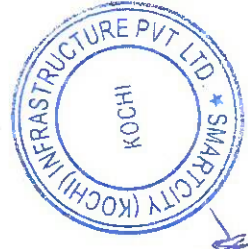
No.	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
		Estimated	Projected	Projected	Projected	Projected	Projected
1	2	3	4	5	6	7	8
1	Plant & Machinery	1.226	1.287	1.351	1.419	1.490	1.564
2	Annual Maintenance Contract	0.600	0.600	0.660	0.660	0.726	0.726
3	Operation & Maintenance contract	14.800	15.836	15.836	16.945	16.945	18.131
4	Gross R&M Expenses	16.63	17.724	17.848	19.024	19.161	20.422
5	Less: Expenses Capitalised	0.00	0.000	0.000	0.000	0.000	0.000
6	Net R&M Expenses	16.626	17.724	17.848	19.024	19.161	20.422



SmartCity(Kochi) Infrastructure Pvt Ltd

Form D 3.5: DEPRECIATION FOR 2021-22

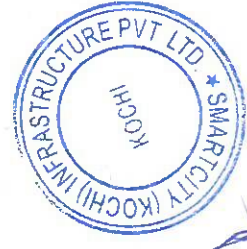
in Rs Lakhs												
No	Description	Rate of Depreciation (%)	Gross Fixed Assets				Provision for depreciation				Net fixed asset at the beginning of the year	Net fixed Assets at the end of the year
			At the Beginning of the year	Addition During the year	Adjustments & Deductions	At the end of the year	Cumulative up to the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of year		
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Land & land rights***	1.01%	21.1382			21.1382	2.17	0.21		2.38	18.9677	18.7542
2	Civil Works	3.34%	206.3844			206.3844	10.91	6.89		17.81	195.4701	188.5769
3	HV Distribution system	5.28%	391.3034			391.3034	106.75	20.66		127.41	284.5558	263.8950
4	Distribution lines Switchgears, Control gear &	5.28%	80.8666			80.8666	22.06	4.27		26.33	58.7989	54.5297
5	Protection	5.28%	900.6265			900.6265	76.25	47.56		123.80	824.3795	776.8264
6	IT Equipments	15%	9.3389			9.3389	3.57	1.40		4.97	5.7658	4.3650
7	Gross Asset Net Asset Considered for		1609.65			1609.65	221.71	80.99		302.70	1387.958	1306.947
8	depreciation		1609.65			1609.65						



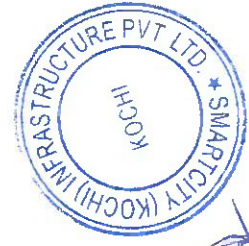


SmartCity(Kochi) Infrastructure Pvt Ltd												
Form D 3.5: DEPRECIATION FOR 2022-23												
No	Description	Rate of Depreciation (%)	Gross Fixed Assets					Provision for depreciation				in Rs Lakhs
			At the Beginning of the year	Addition During the year	Adjustments & Deductions	At the end of the year	Cumulative up to the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of year	Net fixed asset at the beginning of the year	Net fixed Assets at the end of the year
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Land & land rights***	1.01%	21.1382			21.1382	2.38	0.21		2.60	18.7542	18.5407
2	Civil Works	3.34%	206.3844			206.3844	17.81	6.89		24.70	188.5769	181.6836
3	HV Distribution system	5.28%	391.3034			391.3034	127.41	20.86		148.07	263.8950	243.2342
4	Distribution lines Switchgears, Control gear &	5.28%	80.8666			80.8666	26.33	4.27		30.60	54.5297	50.2605
5	Protection	5.28%	900.6265			900.6265	123.80	47.55		171.35	776.8264	729.2733
6	IT Equipments	15%	9.3389			9.3389	4.97	1.40		6.37	4.3650	2.9642
7	Gross Asset Net Asset Considered for		1609.65			1609.65	302.70	80.99		383.69	1306.947	1225.956
8	depreciation		1609.65			1609.65						

SmartCity(Kochi) Infrastructure Pvt Ltd														
Form D 3.5: DEPRECIATION FOR 2023-24														
No	Description	Rate of Depreciation (%)	Gross Fixed Assets			Provision for depreciation			Cumulative up to the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of year	Net fixed asset at the beginning of the year	Net fixed Assets at the end of the year
			At the Beginning of the year	Addition During the year	Adjustments & Deductions	At the end of the year	Cumulative up to the beginning of the year	Additions during the year						
1	2	3	4	5	6	7	8	9	10	11	12	13		
1	Land & land rights***	1.01%	21.1382			21.1382	2.60	0.21		2.81	18.5407	18.3272		
2	Civil Works	3.34%	206.3844			206.3844	24.70	6.89		31.59	181.6836	174.7904		
3	HV Distribution system	5.28%	391.3034			391.3034	148.07	20.66		168.73	243.2342	222.5734		
4	Distribution lines	5.28%	80.8566			80.8566	30.60	4.27		34.87	50.2605	45.9912		
5	Switchgears, Control gear & Protection	5.28%	900.6265			900.6265	171.35	47.55		218.91	729.2733	681.7202		
6	IT Equipments	15%	9.3389			9.3389	6.37	1.28		7.65	2.9642	1.6888		
7	Gross Asset		1609.65			1609.65	383.69	80.87		464.56	1225.956	1145.091		
8	Net Asset Considered for depreciation		1609.65			1609.65								



SmartCity(Kochi) Infrastructure Pvt Ltd													
Form D 3.5: DEPRECIATION FOR 2024-25													
No	Description	Rate of Depreciation (%)	Gross Fixed Assets					Provision for depreciation				Net fixed asset at the beginning of the year	Net fixed Assets at the end of the year
			At the Beginning of the year	Addition During the year	Adjustments & Deductions	At the end of the year	Cumulative up to the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of year			
1	2	3	4	5	6	7	8	9	10	11	12	13	
1	Land & land rights ^{***}	1.01%	21.1382			21.1382	2.81	0.21		3.02	18.3272	18.1137	
2	Civil Works	3.34%	206.3844			206.3844	31.59	6.89		38.49	174.7904	167.8971	
3	HV Distribution system	5.28%	391.3034			391.3034	168.73	20.66		189.39	222.5734	201.9125	
4	Distribution lines Switchgears, Control gear &	5.28%	80.8566			80.8566	34.87	4.27		39.13	45.9912	41.7220	
5	Protection	5.28%	900.6265			900.6265	218.91	47.55		266.46	681.7202	634.1672	
6	IT Equipments	15%	9.3389			9.3389	7.65	1.13		8.78	1.6888	0.5605	
7	Gross Asset		1609.65			1609.65	464.56	80.72		545.27	1145.091	1064.373	
8	Net Asset Considered for depreciation		1609.65			1609.65							



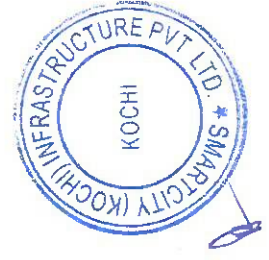
SmartCity(Kochi) Infrastructure Pvt Ltd													
Form D 3.5: DEPRECIATION FOR 2025-26													
No	Description	Rate of Depreciation (%)	Gross Fixed Assets						Provision for depreciation			Net fixed asset at the beginning of the year	Net fixed Assets at the end of the year
			At the Beginning of the year	Addition During the year	Adjustments & Deductions	At the end of the year	Cumulative up to the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of year			
1	2	3	4	5	6	7	8	9	10	11	12	13	
1	Land & land rights***	1.01%	21.1382			21.1382	3.02	0.21		3.24	18.1137	17.9002	
2	Civil Works	3.34%	206.3844			206.3844	38.49	6.89		45.38	167.8971	161.0039	
3	HV Distribution system	5.28%	391.3034			391.3034	189.39	20.66		210.05	201.9125	181.2517	
4	Distribution lines Switchgears, Control gear &	5.28%	80.8566			80.8566	39.13	4.27		43.40	41.7220	37.4528	
5	Protection	5.28%	900.6265			900.6265	266.46	47.55		314.01	634.1672	586.6141	
6	IT Equipments	15%	9.3389			9.3389	8.78	0.66		9.34	0.5605	0.0000	
7	Gross Asset Net Asset Considered for		1609.65			1609.65	646.27	80.15		625.43	1064.873	984.223	
8	depreciation		1609.65			1609.65							



SmartCity(Kochi) Infrastructure Pvt Ltd													
Form D 3.5: DEPRECIATION FOR 2026-27													
No	Description	Rate of Depreciation (%)	Gross Fixed Assets					Provision for depreciation				Net fixed asset at the beginning of the year	Net fixed Assets at the end of the year
			At the Beginning of the year	Addition During the year	Adjustments & Deductions	At the end of the year	Cumulative up to the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of year			
1	2	3	4	5	6	7	8	9	10	11	12	13	
1	Land & land rights ^{with}	1.01%	21,1382			21,1382	3,24	0,21		3,45	17,9002	17,6867	
2	Civil Works	3.34%	206,3844			206,3844	45,38	6,89		52,27	161,0039	154,1107	
3	HV Distribution system	5.28%	391,3034			391,3034	210,05	20,66		230,71	181,2517	160,5909	
4	Distribution lines Switchgears, Control gear &	5.28%	80,8568			80,8568	43,40	4,27		47,67	37,4528	33,1836	
5	Protection	5.28%	900,6265			900,6265	314,01	47,55		361,57	586,6141	539,0610	
6	IT Equipments	15%	9,3389			9,3389	9,34	0,00		9,34	0,0000	0,0000	
7	Gross Asset		1609,65			1609,65	625,43	79,59		705,02	984,223	904,633	
8	Net Asset Considered for depreciation		1608,65			1609,65							



Form D 3.8 : Return on Equity/Return on Net Fixed Assets														
Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd														
Licensed Area of Supply : SmartCity(Kochi) Infrastructure Pvt Ltd														
No.	Particulars	Ref	2021-22		2022-23		2023-24		2024-25		2025-26		2026-27	
			Estimated	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected		
1	Equity at the beginning of the year		1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00
2	Capitalisation													
3	Equity portion of capitalisation		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Equity at the end of the year		1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00	1300.00
	Return Computation													
5	Return on Equity for equity portion(30%)	(1)*30%*14%	54.60	54.60	54.60	54.60	54.60	54.60	54.60	54.60	54.60	54.60	54.60	54.60
6	Return on Equity for normative loan portion(70%)	(1)*70%*8.39%	76.35	70.53	72.80	75.08	77.35	79.63	81.91	84.18	86.45	88.72	90.99	93.26
7	Total Return on Equity	(5)+(6)	130.95	125.13	127.40	129.68	131.95	134.23	136.51	138.78	141.05	143.32	145.59	147.86



Form D 3.7 : Interest on Security Deposit									
Distribution Licensee : SmartCity(Kochi)Infrastructure Pvt Ltd									
Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd									
No	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Rs.Lakhs	
		Estimate	Projected	Projected	Projected	Projected	Projected	Projected	Projected
1	2	3	4	5	6	7	8		
1	O&M expenses - 1 month								
2	Maintenance Spares - 1 month average								
3	Receivables for Two months of ERC								
4	Calculated Working Capital								
5	Less : Security Deposits (Cash)	69.2898	88.76	118.76	124.70	130.93	137.48		
6	Working Capital Allowable	0.00	0.00	0.00	0.00	0.00	0.00		
7	Interest Rate (SBI-1Yr-MCLR+2%)*								
8	Interest on Working Capital (actual)	0.00	0.00	0.00	0.00	0.00	0.00		
9	Interest on Security Deposit -5.1 %	2.9510	4.527	6.057	6.360	6.678	7.012		



Form D 3.6 (b)										
Distribution Licensee : SmartCity(Kochi) Infrastructure Pvt Ltd										Rs.Lakhs
Licensed Area of Supply : SmartCity(Kochi)Infrastructure Pvt Ltd										
Calculation of Interest on Normative Loan										
No	Particulars	2021-22 Estimated	2022-23 Projected	2023-24 Projected	2024-25 Projected	2025-26 Projected	2026-27 Projected			
1	Opening Normative loan	910.00	910.00	910.00	910.00	910.00	910.00			910.00
2	Cumulative repayment of Normative Loan upto previous year	0.00	0.00	0.00	0.00	0.00	0.00			0.00
3	Net Normative loan - Opening	910.00	910.00	910.00	910.00	910.00	910.00			910.00
4	Increase/Decrease due to ACE/de-capitalization during the Year	0.00	0.00	0.00	0.00	0.00	0.00			0.00
	Repayments of Normative Loan during the year	0.00	0.00	0.00	0.00	0.00	0.00			0.00
	Net Normative loan - Closing	910.00	910.00	910.00	910.00	910.00	910.00			910.00
5	Average Normative Loan									
6	Weighted average Rate of Interest of actual Loans	8.39%	7.75%	8.00%	8.25%	8.50%	8.75%			
7	Interest on Normative Loan	76.35	70.53	72.80	75.08	77.35	79.63			

