

CIN: U70101KL2006FTC019125

SmartCity (Kochi) Infrastructure Pvt. Ltd.  
SmartCity Pavilion,  
Brahmapuram P.O., Kochi 682 303,  
Kerala, India

Telephone +91 484 668 9800  
www.smartcity-kochi.in



SCK/P16-P290/142/2023  
19<sup>th</sup> October 2023

**The Director  
Bureau of Energy Efficiency,  
Ministry of Power, Government of India  
4<sup>th</sup> Floor, Sewa Bhawan  
R K Puram, New Delhi-110066**

Sir

**Sub: Submission of Energy Accounting Report for SmartCity (Kochi) Infrastructure Pvt Ltd for Q2 for the Year 2023-24 (July-2023 to September-2023)**

Please find the Periodic Energy Accounting Report for SmartCity (Kochi) Infrastructure Pvt Ltd for Q2 for the year 2023-24 is attached herewith.

Soft copy of the report send through email.

Thanking You

Regards

A handwritten signature in blue ink, appearing to read "Ranjithlal K L", is written over a horizontal line.

**Ranjithlal K L  
Assistant Director- Asset & Infrastructure**



Copy to: Energy Management Centre, Sreekrishna Nagar, Sreekariyam  
(PO), Thiruvananthapuram-695017

**Form for Energy Accounting - to be completed by the Accredited Energy Auditor and Energy Manager of the Electrical Distribution Company**

**General Information**

1	Name of the discom	SmartCity(Kochi)Infrastructure Pvt Ltd		
2	i) Year of Establishment	2016		
	ii) Governemnt/Public/private	Private		
3	<b>Discom's Contact Details &amp; Address</b>			
i	City/Town/Village	Brahamapuram (PO),Kakkanad		
ii	District	Ernakulam		
iii	State	Kerala	Pin	682303
iv	Telephone	0484-6689800	Fax	
4	<b>Registered Office</b>			
i	Company Chief Executive Name	Mr.Jinu John Jacob		
ii	Designation	Company Secretary		
iii	Address	SmartCity Pavilion		
iv	City/Town/Village	Kakkanad	PO	Brahamapuram
v	District	Ernakulam		
vi	State	Kerala	Pin	682303
vii	Telephone	0484-6689800	Fax	
5	<b>Nodal Officer Details</b>			
i	Nodal officer Name (Designated at Discom)	Ranjithlal K L		
ii	Designation	Assistant Director-Asset & Infra		
iii	Address	SmartCity Pavilion		
iv	City/Town/Village	Kakkanad	PO	Brahamapuram
v	District	Ernakulam		
vi	State	Kerala	Pin	682303
viii	Telephone	0484-6689808	Fax	
6	<b>Energy Manager Details</b>			
i	Name	Ranjithlal K L		
ii	Designation	Assistant Director-Asset & Infra	Whether EA or EM	Both
iii	EA/EM Registration number	EA-11343		
iv	Telephone	0484-6689808	Fax	
v	Mobile	9387357718	E-mail ID	ranjithlal.kl@smartcity-kochi.in
7	<b>Period of Information</b>			
	Year of (FY) information including date and month (Start & End)	July-2023-Sept-2023 (Q2)		



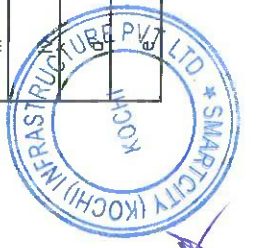
Performance Summary of Electricity Distribution Company			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	July-2023-Sept-2023 (Q2)	
2	<b>Technical Details</b>		
(a)	<b>Energy Input Details</b>		
i	Input Energy Purchase (From Generation Source)	Million KWH	1.7819
ii	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million KWH	1.7050
iii	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million KWH	1.6756
(b)	<b>Transmission and Distribution (T&amp;D) loss Details</b>	Million KWH	0.0294
		%	1.72%
	Collection Efficiency	%	100%
(c)	Aggregate Technical & Commercial Loss	%	1.72%

**I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/we undertake to indemnify such loss.**

Authorized Signatory and Seal		Signature:-	
		Name of Energy Manager:	Ranjithlal K L
		Registration Number:	EA-11343
Name of Authorized Signatory	Ranjithlal K L, Assistant Director-Asset & Infra		
Name of the DISCOM:	SmartCity(Kochi) Infrastructure Pvt Ltd		
Full Address:	SmartCity(Kochi) Infrastructure Pvt Ltd SmartCity Pavillion, Brahmapuram (PO) Ernakulam-682303		
Seal			

**Form-Details of Input Infrastructure**

1	Parameters	Total	Covered during in audit	Verified by Auditor in Sample Check	Remarks (Source of data)
i	Number of circles	1	1	1	
ii	Number of divisions	1	1	1	
iii	Number of subdivisions	0	0	0	
iv	Number of feeders	4	4	4	
v	Number of DTs	6	3	3	
vi	Number of consumers	66	66	66	
<b>2</b>	<b>Parameters</b>	<b>66 kV and above</b>	<b>33 kV</b>	<b>11/22 kV</b>	<b>LT</b>
a.i	Number of conventional metered consumers	0	0	0	0
ii	Number of consumers with 'smart' meters	0	1	3	21
iii	Number of consumers with 'smart prepaid' meters	0	0	0	41
iv	Number of consumers with 'AMR' meters	0	0	0	0
v	Number of consumers with 'non-smart prepaid' meters	0	0	0	0
vi	Number of unmetered consumers	0	0	0	
vii	<b>Number of total consumers</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>62</b>
b.i	Number of conventionally metered Distribution Transformers	0	0	0	3
ii	Number of DTs with communicable meters	0	0	0	0
iii	Number of unmetered DTs	0	0	0	0
iv	<b>Number of total Transformers</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>2</b>	<b>Parameters</b>	<b>66 kV and above</b>	<b>33 kV</b>	<b>11/22 kV</b>	<b>LT</b>
c.i	Number of metered feeders communicable	0	1	3	62
ii	meters	0	0	0	0
iii	Number of unmetered feeders	0	0	0	0
	<b>Number of total feeders</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>62</b>
	Line length (ct km)	0	1	2.5	2
	Length of Aerial Bunched Cables	0	0	0	0



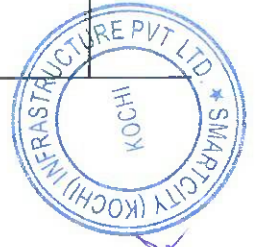
f	Length of Underground Cables	0	1	2.5	2
3	Voltage level	Input Energy Particulars		Reference	Remarks (Source of data)
			MU		
		Long-Term Conventional	0	Includes input energy for franchisees	
		Medium Conventional	0		
		Short-Term Conventional	0		
		Banking	0		
		Long-Term Renewable energy	0		
	66kV and above	Medium and Short-Term RE	0	Includes power from bilateral/ PX/ DEEP	
		Captive, open access input	0	Any power wheeled for any purchase other than sale to DISCOM. Does not	
		Sale of surplus power	0		
		Quantum of inter-state transmission loss	0	As confirmed by SLDC, RLDC etc	
		<b>power procured from inter-state sources</b>	0	Based on data from Form 5	
		<b>Power at state transmission boundary</b>	0		

		Long-Term Conventional	0	Includes input energy for franchisees	
		Medium Conventional	0		
		Short-Term Conventional	0		
		Banking	0		
		Long-Term Renewable energy	0	Includes power from bilateral/ PX/ DEEP	
	33 kV	Medium and Short-Term RE	0	Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee	
		Captive, open access input	0		
		Sale of surplus power	0		
		Quantum of inter-state transmission loss	0	As confirmed by SLDC, RLDC etc	
		<b>Power procured from inter-state sources</b>	0	Based on data from Form 5	
		<b>Input in DISCOM wires network</b>	0		
iii		Renewable energy	0		
iv	33 kV	Small capacity conventional/ biomass/ hydro plants Procurement	0		
		Captive, open access input	0		
	11 kV	Renewable energy	0		
		Small capacity conventional/ biomass/ hydro plants Procurement	0		



		Captive, open access input	0	
vi	LT	Renewable energy Small capacity conventional/ biomass/ hydro plants Procurement	0	
		Captive, open access input	0	
vii		<b>Energy Embedded within DISCOM wires network</b>	0	
viii		<b>Total Energy Available/ Input</b>	1.7050	

4	Voltage level	Energy sales Particulars	MU	Reference	Remarks (Source of data)
		DISCOM' consumers	62	Include sales to consumers in franchisee areas, unmetered consumers	
i	LT level	Demand from open access, captive Embedded generation used at LT level Sale at LT Level	0 0 0.7668	Non DISCOM's sales Demand from embedded generation at LT level	
		Quantum of LT level losses	0.0138		
		Energy Input at LT level	0.7806		
4	Voltage level	Energy sales Particulars	MU	Reference	Remarks (Source of data)
		DISCOM' consumers	3	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	
ii	11 kV level	Embedded generation at 11 kV level used Sale at 11 kV Level	0 0.6549	Demand from embedded generation at 11kV level	
		Quantum of losses at 11 kV level	0.0113		
		Energy Input at 11 kV level	0.6661		
		DISCOM' consumers	1	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales This is DISCOM and OA demand met via energy generated at same voltage level	
iii	33 kV level	Embedded generation at 33 kV or below level Sale at 33 kV Level	0 0.25392		
		Quantum of losses at 33 kV level	0.0044		
		Energy Input at 33 kV level	0.2583		
		DISCOM' consumers	0	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0	Non DISCOM's sales	



iv	>33 kV	Cross border sale of energy			This is DISCOM and OA demand met via energy generated at same voltage level
		Sale to other DISCOMs	0		
		Banking	0		
		<b>Sales at 66kV and above (EHV)</b>	0		
		<b>Total Energy Requirement</b>	1.7050		
		<b>Total Energy Sales</b>	1.6756		

Energy Accounting Summary						
		Input (In MU)	Sale (In MU)	Loss (In MU)	Loss %	
5	DISCOM					
i	LT		0.7668			
ii	11 kV	1.7050	0.6549	0.0294	1.72	
iii	33 kV		0.2539			
iv	>33 kV					
6	DISCOM	Input (In MU)	Sale (In MU)	Loss (In MU)		
i	LT					
ii	11 kV					
iii	33 kV					
iv	>33 kV					

Loss Estimation for DISCOM	
T&D loss	0
D loss	0.0294
T&D loss (%)	0
D loss (%)	1.72



**Details of Division Wise Losses (See note below)\*\***

Division Wise Losses

July-2023-Sept-2023 (Q2)

Sl.No	Name of circle	Circle code	Name of Division	Consumer profile						Energy parameters				Losses		Commercial Parameter			AT & C loss (%)				
				Consumer category	No of connection metered (Nos)	No of connection Un-metered (Nos)	Total Number of connections (Nos)	% of number of connections	Connected Load metered (MW)	Connected Load Un-metered (MW)	Total Connected Load (MW)	% of connected load	Input energy (MU)	Metered energy	Unmetered/assessment energy	Total energy	% of energy consumption	T&D loss (MU)		T&D loss (%)	Billed Amount in Rs. Core	Collected Amount in Rs. Core	Collection Efficiency
1	SCK-01	A-01	SCK	Residential	0	0	0	0%	0	0	0	0	0	0	0%	0	0	0	0	0	0.00%	1.72%	
				Agricultural	0	0	0	0%	0	0	0	0	0	0	0	0%	0	0	0	0	0		0.00%
				Commercial/Industrial-LT	62	0	62	94%	3000	0	3000	60%	1.7050	0.7668	0	0.7668	46%	0.0294	1.72%	0.7220	0.7220		100.00%
				Commercial/Industrial-HT	4	0	4	6%	2000	0	2000	40%	0.9088	0.9088	0	0.9088	54%	0.0294	1.72%	1.0625	1.0625		100.00%
Sub-total				66	0	66	100%	5000	0	5000	100%	1.7050	1.6756	0	1.6756	100%	0.0294	1.72%	1.7845	1.7845	100.00%		
Sub-total				0	0	0	100%	0	0	0	100%	0	0	0	0	0%	0	0%	0	0	0.00%	100%	
Residential				0	0	0	0%	0	0	0	0%	0	0	0	0%	0	0	0	0	0	0.00%		
Agricultural				0	0	0	0%	0	0	0	0%	0	0	0	0%	0	0	0	0	0	0.00%		
Commercial/Industrial-LT				62	0	62	94%	3000	0	3000	60%	1.705	0.7668	0	0.7668	46%	0.0294	1.72%	0.7220	0.7220	100.00%		
Commercial/Industrial-HT				4	0	4	6%	2000	0	2000	40%	0.9088	0.9088	0	0.9088	54%	0.0294	1.72%	1.0625	1.0625	100.00%		
Others				0	0	0	0%	0	0	0	0%	0	0	0	0%	0	0	0	0	0	0.00%		
77	At company level			66	0	66	100%	5000	0	5000	100%	1.705	1.6756	0.0000	1.6756	100%	0.0294	1.72%	1.7845	1.7845	100.00%	1.72%	

\*\* Note - It shall be mandatory to record the energy supplied separately for each category of consumers which is being provided a separate rate of subsidy in the tariff, by the state government, so that the subsidy due for the electricity distribution company is quarterly calculated by multiplying the energy supplied to each of such category of consumers by the applicable rate of subsidy notified by the state government.

Color code	Parameter
	Please enter name of circle
	Please enter circle code
0	Please enter numeric value or 0
	Formula protected

I/We undertake that the information supplied in this Document and Pro-forma is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information result into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/We undertake to indemnify such loss.

Authorised Signatory and Seal  
 Name of Authorised Signatory: Ranjithal K L  
 Signature:   
 Name of Energy Manager:   
 Registration Number:   
 Ranjithal K L  
 EA-11343

Name of the DISCOM: SmartCity(Kochi) Infrastructure Pvt Ltd  
 Full Address:-  
 Smartcity Pavillion  
 Brahmapuram(PO)  
 Kochi-682303



Seal









(Details of Feeder-wise losses)

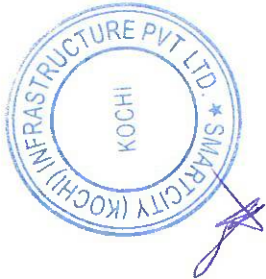
July-2023-Sept-2023 (Q2)

SI No.	Zone	Received at Circle (in MU)	Received at Division (in MU)	Received at Sub-division (in MU)	Name of the Station	Feeder Code/ID	Feeder Name	Type of Feeder (Urban/Mixed/Industrial/Agricultural/Rural)	Type of feeder meter (AMI/AMR/Other)	Received at Feeder (Final in MU)	Feeder Consumption (in MU)	Final Net Export at Feeder Level (in MU)	T&D losses	AT&C losses	% Data Received through Automatically (if feeder AMR/AMI)	Remarks
1	SmartCity					HT-01	SCK01	Mixed	Others	0.2904	0.2855		0.0049	0.0049		
2	SmartCity					HT-02	Gems Modern Academy	Mixed	Others	0.1689	0.1611		0.0028	0.0028		
3	SmartCity					HT-03	Lulu Infiniti	Mixed	Others	0.2583	0.2539		0.0044	0.0044		
4	SmartCity					HT-04	Manjappa Marine solutions India Pvt Ltd	Mixed	Others	0.2119	0.2083		0.0036	0.0036		
5	SmartCity					HT-05	2000 KVA-SCK01	Mixed	Others	0.6270	0.6158		0.0112	0.0112		
6	SmartCity					HT-06	800 KVA-WA	Mixed	Others	0.1596	0.1510		0.0026	0.0026		



Details of DT-wise losses (please add more rows as per requirement)

Zone Name	Circle name	Division name	Name of the Sub-division	Name of the Sub-station	Substation Code	Name of the 11 KV/33 Feeder	Feeder Code	Name of the Location where DT situated	DT code	DT Capacity (KVA)	Predominant consumer type of DT (Domestic/Industrial/Agriculture/Mixed)	Type of metering AMR/AMI/Communicable/Conventional metered/Unmetered	Status of Meter-whether Functional (Yes/No)	% of data received automatically (if AMR/AMI)	No. of Connected Consumers	Input Energy (MU) (A)	Billed Energy (MU) (B)	Loss (MU) (A-B)	% DT Loss (A-B)/A
SmartCity	SCK01	SCK	SCK01	SCK Substation-1	SCKSS-1	SCK01	HT-05	SCK01	SCK DT-1	2000	Industrial	Communicable	Yes		50	0.6270	0.6158	0.0112	1.7850
SmartCity	SCK01	SCK	Marlapps	SCK Substation-1	SCKSS-1	Marlapps	HT-06	Marlapps	SCK DT-2	800	Industrial	Communicable	Yes		12	0.1536	0.1510	0.0026	1.6909
SmartCity	SCK01	SCK	Gems	SCK Substation-2	SCKSS-2	Gems	HT-02	Gems	SCK DT-3	500	Industrial	Communicable	Yes		1	0.1639	0.1611	0.0028	1.6909
SmartCity	SCK01	SCK	Lulu Infnit	SCK Substation-1	SCKSS-1	Lulu Infnit	HT-03	Lulu Infnit	SCK DT-4	2000	Industrial	Communicable	Yes		1	0.2583	0.2539	0.0044	1.6909
SmartCity	SCK01	SCK	SCK01	SCK Substation-1	SCKSS-1	SCK01	HT-05	SCK01	SCK DT-1	2000	Industrial	Communicable	Yes		1	0.2903831	0.2855	0.0049	1.6909
SmartCity	SCK01	SCK	Marlapps	SCK Substation-1	SCKSS-1	Marlapps	HT-06	Marlapps	SCK DT-2	800	Industrial	Communicable	Yes		1	0.2118665	0.2083	0.0036	1.6909



**Annexure - 1 : Proforma for Quarterly Consumer Category-wise Subsidy Billed/Received/Due for period July 2023 to Aug 2023**

S.N.	Division Name	Consumer Category (Separate for each subsidized consumer category)	Billed Energy			Subsidized Billed Energy			Applicable rate of Subsidy as notified by State Govt.			Subsidy Due from State Govt.			Subsidy Actually Billed/Claimed from State Govt. (As against col.12)	Subsidy Received from State Govt. (As against col.13)	Balance Subsidy yet to be Received from State Govt.		
			Metered	Un-metered*	Total	Metered (out of col.2)	Un-metered* (Out of col.3)	Total	Metered Energy**	Un-metered Energy**	Total	Metered Energy	Un-metered Energy	Total					
																		(In kwh)	(In kwh)
2	3	4=2+3	5	6	7=5+6	8	9	10=5*8	11=6*9	12=10+11	13	14	15=13-14						
1		Residential																	
		Agriculture																	
		Commercial/Industrial- LT	0.7668		0.7668	NA		NA				NA		NA		NA		NA	
		Commercial/Industrial- HT	0.9088		0.9088	NA		NA				NA		NA		NA		NA	
		Other (Specify) WW																	
		<b>Total</b>	<b>1.6756</b>	<b>0.00</b>	<b>1.6756</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
2		Residential																	
		Agriculture																	
		Commercial/Industrial- LT																	
		Commercial/Industrial- HT																	
		Other (Specify) WW																	
		<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
3		Residential																	
		Agriculture																	
		Commercial/Industrial- LT																	
		Commercial/Industrial- HT																	
		Other (Specify) WW																	
		<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total for DISCOM</b>			<b>1.6756</b>	<b>0.00</b>	<b>1.6756</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

