

General Information				
1	Name of the DISCOM	THRISSUR CORPORATION ELECTRICITY DEPARTMENT (TCED)		
2	i) Year of Establishment	1937		
	ii) Government/Public/Private	GOVERNMENT		
3	DISCOM's Contact details & Address			
i	City/Town/Village	THRISSUR		
ii	District	THRISSUR		
iii	State	KERALA	Pin	680001
iv	Telephone	0487-2422470	Fax	
4	Registered Office			
i	Company's Chief Executive Name	KN Krishnakumar		
ii	Designation	Assistant Secretary		
iii	Address	THRISSUR CORPORATION ELECTRICITY DEPARTMENT, MO ROAD		
iv	City/Town/Village	THRISSUR	P.O.	MO ROAD
v	District	THRISSUR		
vi	State	KERALA	Pin	680001
vii	Telephone	0487-2422470	Fax	
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)	JOSE TS		
ii	Designation	ELECTRICAL ENGINEER		
iii	Address	TCED, THRISSUR CORPORATION ELECTRICITY DEPARTMENT, MO ROAD		
iv	City/Town/Village	THRISSUR	P.O.	MO ROAD
v	District	THRISSUR		
vi	State	KERALA	Pin	680001
vii	Telephone	0487-2423559	Fax	
6	Energy Manager Details*			
i	Name	B NIKHIL		
ii	Designation	ASSISTANT ENGINEER	Whether EA or EM.	EA
iii	EA/EM Registration No.	EA-24811		
iv	Telephone		Fax	
v	Mobile	9037192013	E-mail ID	electricitydepartment@yahoo.co.in
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	01-JAN-2024 TO 31-MAR 2024		

JOSE TS
Electrical Engineer
Electricity Department
Thriassur Corporation
Tel: 2423559

19/5/24
Assistant Engineer
Electricity Department
Thriassur Corporation

ASSISTANT SECRETARY
ELECTRICITY DEPARTMENT
THRISSUR MUNICIPAL CORPORATION

Performance Summary of Electricity Distribution Companies

Performance Summary of Electricity Distribution Companies	
1	Period of Information Year of (FY) information including Date and Month (Start & End)
2	Technical Details
(a)	Energy Input Details
(i)	Input Energy Purchase (From Generation Source)
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded)
(b)	Transmission and Distribution (T & D) loss Details
	Collection Efficiency
(c)	Aggregate Technical & Commercial Loss

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

[Signature]

Signature: *[Signature]*
Name of Assistant Engineer
Name of Electricity Department
Manager, Electricity Corporation
Registration Number: EA-24811

Name of Authorised Signatory

Name of the DISCOM:

Full Address: ASSISTANT SECRETARY
ELECTRICITY DEPARTMENT

Address: ELECTRICITY DEPARTMENT
THRISSUR CORPORATION

Seal

Address: Electricity Department
Thiruvananthapuram

SEALS
Assistant Engineer
Electricity Department
Thiruvananthapuram

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 sub-divisions	1	1	1		
iv	Number of feeders	18	18	18		
v	Number of DTs	504	468			
vi	Number of consumers	42994	42994			
2	Parameters	66kV and above	33kV	11/22kV	LT	
a.i.	Number of conventional metered consumers	-	-	-		8130
ii	Number of consumers with 'smart' meters	-	-	-		
iii	Number of consumers with 'smart prepaid' meters	-	-	-		
iv	Number of consumers with 'AMR' meters	-	-	-		
v	Number of consumers with 'non-smart prepaid' meters	-	-	-		34864
vi	Number of unmetered consumers	-	-	-		
vii	Number of total consumers	-	-	-		42994
b.i.	Number of conventionally metered Distribution Transformers	-	-	-		290
ii	Number of DTs with communicable meters	-	-	-		
iii	Number of unmetered DTs	-	-	-		225
iv	Number of total Transformers	-	-	-		504
c.i.	Number of metered feeders	-	-	-		
ii	Number of feeders with communicable meters	-	-	-		18
iii	Number of unmetered feeders	-	-	-		18
iv	Number of total feeders	-	-	-		117,976
d.	Line length (ct km)	-	4.2	-		285,675
e.	Length of Aerial Bunched Cables	-	-	-		1.85
f.	Length of Underground Cables	-	2.565	-		54.29
3	Voltage level	Particulars	MU	Reference	Remarks (Source of data)	
i	66kV and above	Long-Term Conventional	46,050	Includes input energy for franchisees		
		Medium Conventional	0			
		Short-Term Conventional	0			
		Banking	0			
		Long-Term Renewable energy	0,000			
		Medium and Short-Term RE	0			
		Captive, open access input	0			
		Sale of surplus power	0			
		Quantum of inter-state transmission loss	0			
		Power procured from inter-state sources	46,050			
		Power at state transmission boundary	46,050			
		Renewable Energy Procurement	0.1030	Self generation = solar power plant in own buildings + 11 kV export received		
		Small capacity conventional/ biomass/ hydro plants Procurement	0.00			
		Sales Migration Input	0.00			
		Renewable Energy Procurement	1.073	Total LT export		
vi	LT	Total Energy Available/ Input	1.07			
vii	LT	Energy Sales Particulars	47.23			
4	Voltage level	DISCOM consumers	MU	Reference		
i	LT Level	Demand from open access, captive	37.60	Include sales to consumers in franchisee areas, unmetered consumers	Total LT Sales	
		Embedded generation used at LT level	0.00			
		Sale at LT level	1.073	Demand from embedded generation at LT level	Total LT generation used	
		Quantum of LT level losses	3.913	Included the LT OH line length, LT cable, Switch gear & Commercial losses		
		Energy Input at LT level	41.51			
		DISCOM consumers	8.45	Include sales to consumers in franchisee areas, unmetered consumers		
		Demand from open access, captive	0.00	Non DISCOM's sales		
		Embedded generation at 11 kV level used	0.1030	Demand from embedded generation at 11kV level		
		Sales at 11 kV level	8.45			
		Quantum of Losses at 11 kV	0.1407	EHT + HT losses		
		Energy input at 11 kV level	8.59			
		Total Energy Requirement	50.104			
		Total Energy Sales	46.050			
5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %	
i	LT	41.510	37.60	3.913	9.43	
ii	11 kV	8.59	8.45	0.141	1.64	
iii	33 kV					
iv	> 33 kV					
Loss Estimation for DISCOM						
T&D loss (MU)			4.054			
D loss (MU)			4.054			
T&D loss (%)			8.80			
D loss (%)			8.80			

[Signature]
Assistant Engineer
Electricity Department
Thiruvananthapuram Corporation

[Signature]
Assistant Engineer
Electricity Department
Thiruvananthapuram Corporation
Tel: 242

Details of Division Wise Losses (See note below**)																							
Division Wise Losses																							
Period From JANUARY 2024 to MARCH 2024																							
S.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)	Billed energy (MU)		% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Collection Efficiency		
														Metered energy	Unmetered/a ssessment energy								Total energy
1	TCED	TCED	TCED	Residential	23383	0	23383	54%	109.56216	0	109.562	45.3%	46.05	10.67	0	10.67	25.41%	4.054	8.80%	8.206	7.875	95.97%	
				Agricultural	182	0	182	0.42%	0.43474	0	0.435	0.2%		0.0136	0	0.0136	0.03%			0.0083	0.0064	77.59%	
				Commercial/Industrial-LT	18966	0	18966	44%	87.56815	0	87.568	36.2%		18.27	0	18.27	43.51%			20.988	19.988	95.24%	
				Commercial/Industrial-HT	138	0	138	0.32%	43.36331	0	43.363	17.9%		12.76	0	12.76	30.37%			13.692	13.186	96.30%	
				Others	325	0	325	1%	0.8442	0	0.844	0.3%		0.28	0	0.28	0.67%			0.146	0.000	0.00%	
				Sub-total		42994	0	42994	100%	241.77	0	241.77		100%	46.050	42.00	0			42.00	100%	4.054	
2				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	0.00%	
				Commercial/Industrial-LT	0	0	0	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%	
				Commercial/Industrial-HT	0	0	0	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%	
				Others	0	0	0	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%	
				Sub-total		0	0	0	100%	0	0	0		100%	0	0	0			0	100%	0	
76	Total			Residential	23383	0	23383	54.39%	109.56	0	109.562	45.3%	46.050	10.67	0	10.67	25.41%	4.054	8.80%	8.206	7.875	95.97%	
				Agricultural	182	0	182	0.42%	0.435	0	0.435	0.2%		0.0136	0	0.0136	0.03%			0.008	0.006	77.59%	
				Commercial/Industrial-LT	18966	0	18966	44.11%	87.568	0	87.568	36.2%		18.27	0	18.27	43.51%			20.988	19.988	95.24%	
				Commercial/Industrial-HT	138	0	138	0.32%	43.363	0	43.363	17.9%		12.76	0	12.76	30.37%			13.692	13.186	96.30%	
				Others	325	0	325	0.76%	0.844	0	0.844	0.3%		0.28	0	0.28	0.67%			0.146	0.000	0.00%	
				Sub-total		42994	0	42994	100%	241.77	0	241.77		100%	46.050	42.00	0			42.00	100%	4.054	
77	At company level				42994	0	42994	100%	241.77	0	241.77	100%	46.050	42.00	0	42.00	100%	4.054	8.80%	43.04	41.06	95.39%	13.01%
** Note : Usual loss has been assumed for the un-metered connections for the purpose of calculation of T&D loss.																							

** 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.

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:

Name of the DISCOM:

Full Address:-

Seal

Signature:

Name of Energy Manager:

Registration Number:

ASSISTANT Engineer
Electricity Department
Thrissur Corporation
24811

JOSE TS
Electrician Engineer
Electricity Department
Thrissur Corporation
T-2-13569

Form-Input energy (Details of Input energy & Infrastructure)		
A. Summary of energy input & Infrastructure		
S.No	Parameters	Period From JAN 2024 to MAR 24 2024
A.1	Input Energy purchased (MU)	46.05
A.2	Transmission loss (%)	0%
A.3	Transmission loss (MU)	0
A.4	Energy sold outside the periphery (MU)	0.00
A.5	Open access sale (MU)	0
A.6	EHT sale	0
A.7	Net input energy (received at DISCOM periphery or at distribution point) (MU)	46.05
A.8	Is 100% metering available at 66/33 kV (Select yes or no from list)	
A.9	Is 100% metering available at 11 kV (Select yes or no from list)	
A.10	% of metering available at DT	55%
A.11	% of metering available at consumer end	100%
A.12	No of feeders at 66kV voltage level	0
A.13	No of feeders at 33kV voltage level	0
A.14	No of feeders at 11kV voltage level	18
A.15	No of LT feeders level	0
A.16	Line length (ckt. km) at 66kV voltage level	0
A.17	Line length (ckt. km) at 33kV voltage level	4.2
A.18	Line length (ckt. km) at 11kV voltage level	117.976
A.19	Line length (km) at LT level	285.675
A.20	Length of Aerial Bunched Cables	1.85
A.21	Length of Underground Cables	61.38
A.22	HT/LT ratio	0.428

B. Meter reading of input energy at injection points																										
S.No	Zone	Circle	Voltage Level (KV)	Division (KVA)	Sub-Division (KVA)	Feeder ID	Feeder Name	Feeder Metering Status (Metered/ unmetered/ AMU/AMR)	Status of Meter (Functional/Non-functional)	Metering Date	Feeder Type (Agri/ Industrial/Mixed)	Status of Communication			Period From JAN 24 to MAR 24				Sales	Remarks (Source of data)						
										Date of last actual meter reading/ communication		% data received through automatically if feeder AMR	Number of hours when meter was unable to communicate in period	Total Number of hours in the period	Meter S.No	CT/PT ratio	Import (MU)	Export (MU)								
B.1	TCED	TCED	110			21/Thrissur corp	VIPL	Metered	Functioning	01/04/2024	Mixed	0	0	NA	X2005320	200/1	26.13	-		110 KV s/s						
B.2	TCED	TCED	66			21/1025	OLVI	Metered	Functioning	01/04/2024	Mixed	0	0	NA	17052040	200/1	19.92	-		66 KV s/s						
B.3																										
B.4																										
B.5																										
B.6																										
B.7																										
B.8																										
B.1001	Total (MU)																									
B.1002	Net input energy at DISCOM periphery (MU)																					46.05	0.00			46.05

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Authorised Signatory and Seal
 Name of Authorised Signatory
 Name of the DISCOM: K. KRISHNAKUMAR M.A., M.A.
 Full Address: ASSISTANT SECRETARY
 Seal: ELECTRICITY DEPARTMENT
 THRISSUR CORPORATION
 പൊതുമതി/ Pen No: 743648
 ഫോൺ/ Phone - 0487 2422470
 മൊബൈൽ/ Mobile - 8921037758
 E-mail: electricitydepartment@ysha.co.in
 ഫാക്സ്/ FAX : 609 601

Signature:
 Name of Energy Engineer
 Manager:
 Registration Number:
 Electricity Department
 Thrissur Corporation

Handwritten signature/initials.

Details of Input Energy Sources							
Period From Jan 24 to Mar 24							
A. Generation at Transmission Periphery (Details)							
S.No.	Name of Generation Station	Generation Capacity (In MW)	Type of Station Generation (Based- Solid / Coal / Lignite/ Liquid/ Gas/ Renewable / biomass/ bagasse/ Others)	Type of Contract (In years/months/days)	Type of Grid (Intra-state/Inter-state)	Point of Connection (POC) Loss MU	Remarks (Source of data)
1	NIL						
2	NO GENERATION BY TCED. AVAILING POWER FROM KSEB via 110kV & 66kV BULK						

B. Embedded Generation in DISCOM Area																
S.No	Name of Generation Station	Generation Capacity (In MW)	Type of Station (Generation Based Solid/Liquid/Gas/Renewable/Others)	Type of Contract	Type of Grid	Voltage Level (KV)	Circle Load (MW)	Received at Circle (KV)	Received at Circle (In MU)	Division Level Load (MW)	Received at Division Level (KV)	Received at Division Level (In MU)	Sub-Division Level Load (MW)	Received at Sub-Division Level (KVA)	Received at Sub-Division Level (In MU)	Remarks (Source of data)
1	Own generation	0.103214	Renewable	Net metering	Renewable Source	11		11	0.103							Manual measurement - Excel sheet
2	From consumers	1.073312	Renewable	Net metering	Renewable Source	0.415		0.415	1.073							Manual measurement - Excel sheet

[Signature]
Assistant Engineer
Electricity Department
Thrissur Corporation

[Signature]
JOSE.T.S
Electrical Engineer
Electricity Department
Thrissur Corporation
Tel:2422559

[Signature]

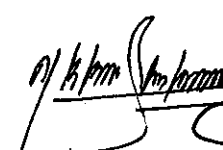
ASSISTANT SECRETARY
ELECTRICITY DEPARTMENT
THRISSUR MUNICIPAL CORPORATION

(Details of Feeder-wise losses)																
Period From Jan 24 to Mar 24																
Sl 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 (AM/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	TCED						Mission quarters	Urban	Others					0.00	nil	
2	TCED						Veliyanoor	Urban	Others					0.00	nil	
3	TCED						Koorkenchery	Urban	Others					0.00	nil	
4	TCED						Paravattani	Urban	Others					0.00	nil	
5	TCED						Aranattukara	Urban	Others					0.00	nil	
6	TCED						Jubilee medical college	Urban	Others					0.00	nil	
7	TCED						Vivekodayam	Urban	Others					0.00	nil	
8	TCED						Bini	Urban	Others					0.00	nil	
9	TCED						Punkunnam	Urban	Others					0.00	nil	
10	TCED						Keralavarma	Urban	Others					0.00	nil	
11	TCED						Ramanilayam	Urban	Others					0.00	nil	
12	TCED						MO road	Urban	Others					0.00	nil	
13	TCED						Kottappuram	Urban	Others					0.00	nil	
14	TCED						Chembukavu	Urban	Others					0.00	nil	
15	TCED						Shornur road	Urban	Others				#DIV/0!	0.00	nil	
16	TCED						DH feeder	Urban	Others					0.00	nil	
17	TCED						East fort	Urban	Others					0.00	nil	
18	TCED						Vanjikulam	Urban	Others					0.00	nil	
AS TCED IS IN CORPORATION AREA, ALMOST ALL FEEDERS ARE BACKFED REGULARLY TO MEET UNINTERRUPTED SUPPLY. HENCE FEEDER WISE LOSS CALCULATION IS DIFFICULT																


 Assistant Engineer
 Electricity Department
 Thrissur Corporation



RECEIVED
 IN THE OFFICE OF
 THE ASSISTANT ENGINEER
 ELECTRICITY DEPARTMENT
 THRISUR CORPORATION
 DATE:


 ASSISTANT SECRETARY
 ELECTRICITY DEPARTMENT
 THRISUR MUNICIPAL CORPORATION

a. Division wise status of DT level metering															
Zone name	Circle name	Division name	Feeder name	Total no of DT on feeder	No of unmetered DTs	No of metered DTs			No. of DTs with						
						AMR metered (communicable)	AMI metered (communicable)	Non-AMR / AMI metered (non-communicable)	Communicating (Total No out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)					
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11					
TCED	TCED		Ramanilayam	28	8		20		20						
TCED	TCED		Bini	17	7		10		10						
TCED	TCED		Chembukavu	24	4		20		20						
TCED	TCED		Shornur Road	43	15		28		28						
TCED	TCED		East Fort	29	18		11		11						
TCED	TCED		Koorkenchery	23	7		16		16						
TCED	TCED		Veliyanoor	19	9		10		10						
TCED	TCED		Vivekodhayam	21	7		14		14						
TCED	TCED		Arnattukkara	34	15		19		19						
TCED	TCED		DH	35	16		19		19						
TCED	TCED		Kottappuram	42	12		30		30						
TCED	TCED		M O Road	31	17		14		14						
TCED	TCED		Mission Quarters	30	5		25		25						
TCED	TCED		Paravattani	26	5		21		21						
TCED	TCED		Poonkunam	33	13		20		23						
TCED	TCED		Vanjikulam	29	5		24		24						
TCED	TCED		Keralavarma	38	18		20		20						279
TCED	TCED		Jubilee Mission	2	0		2		2						
				504	225		279		279						
b. Details of DT-wise losses															
Sub-station ID	Feeder ID	Feeder Name	DT Id no	DT Capacity (kVA)	Predominant consumer type of DT (Domestic/Industrial /A griculture/Mixed)	Type of metering (Unmetered/AMI /AMR /Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss		
		1	2						3	4	5	6=4-5	(7)= [(6)/(4)] *100		
Not available as 100% DT metering not done, also the DT measurement not yet commenced, may complete once RDSS projects are implemented during the FY 2025-26															

[Signature]
Assistant Engineer
Electricity Department
Thrissur Corporation

[Signature]
JOSE.T.S
Electrical Engineer
Electricity Department
Thrissur Corporation

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ASSISTANT SECRETARY
ELECTRICITY DEPARTMENT
MUNICIPAL CORPORATION

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
	(in kWh)			(in kWh)			(in Rs/kWh)		(in Rs Cr)			(in Rs Cr)	(in Rs Cr)	(in Rs Cr)
	Metered	Unmetered	Total	Metered (out of col 2)	Unmetered* (out of col 3)	Total	Metered energy*	Unmetered energy	Metered energy	Unmetered energy	Total			
1	2	3	4 = 2 + 3	5	6	7 = 5 + 6	8	9	10 = 5 x 8	11 = 6 x 9	12 = 10 + 11	13	14	15 = 13 + 14
Residential		0	0.0000	0	0	0	0	0	0	0	0	0	0	0
Agricultural		0	0.0000	0	0	0	0	0	0	0	0	0	0	0
Commercial/Industrial-LT		0	0.0000	0	0	0	0	0	0	0	0	0	0	0
Commercial/Industrial-HT		0	0.0000	0	0	0	0	0	0	0	0	0	0	0
Others + feedback		0	0.0000	0	0	0	0	0	0	0	0	0	0	0
Total	0.00		0.00											
*Basis of assessment of energy to be provided in the notes along with relevant Government Orders														
** Provide copy of relevant work orders														
NO SUBSIDY IN TCED														

(Signature)
Assistant Engineer,
Electricity Department
Thrissur Corporation

(Signature)
Assistant Engineer,
Electricity Department
Thrissur Corporation
Tel: 2423559

(Signature)
ASSISTANT SECRETARY,
ELECTRICITY DEPARTMENT
THRISSUR MUNICIPAL CORPORATION