

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

Division Wise Losses																					
Period From 01 January 2024 to 31st March 2024																					
Sl. No.	Name of circle	Circle code	Name of Division	Consumer category	Consumer profile				Energy parameters				Losses		Commercial Parameter			AT & C loss (%)			
					No. of connections installed (Nos)	No. of connection Un-installed (Nos)	Total number of connections (Nos)	% of existing of connections	Connected load (MVA)	Consumed load (MVA)	Total Generated load (MVA)	% of generated load	Nett energy (MWh)	Material energy	Unmetered/ unaccounted energy	Total energy	% of energy consumption		T&D loss (MWh)	T&D loss (%)	AWR Account in Rs. Crore
1		3	Mediterranean Water Authority	Residential	422	0	422	100%	0	0	0	0%	0.25	0*	0.25	2%			0.00	0.00	100.00%
				Commercial	0	0	0	0%	0	0	0%								0.00	0.00	0.00%
				Commercial Industrial	400	0	400	47%	0	0	0%	10.8411	1.31	0	1.31	12%	0.29488	2.6%	1.59	1.59	100.00%
				Commercial Industrial	40	0	40	2%	0	0	0%		1.11	0	1.11	7%			0.42	0.42	100.00%
				Others	281	0	281	100%	0	0	0%		1.28	0	1.28	1%			1.14	1.14	100.00%
Sub-Total					1103	0	1103	100%	0	0	0%	12.9422	12.68109	0	12.68109	100%	0.21488	2.17%	11.56	11.56	100.00%
Sub-Total					0	0	0	0%	0	0	0%	0	0	0	0%	0	0%	0	0	0.00%	
10	Total			Residential	422	0	422	100%	0	0	0%	0.25	0	0.25	2%			0.00	0.00	100.00%	
				Commercial	0	0	0	0%	0	0	0%								0.00	0.00	0.00%
				Commercial Industrial	400	0	400	47%	0	0	0%	10.8411	1.31	0	1.31	12%	0.29488	2.6%	1.59	1.59	100.00%
				Commercial Industrial	40	0	40	2%	0	0	0%		1.11	0	1.11	7%			0.42	0.42	100.00%
				Others	281	0	281	100%	0	0	0%		1.28	0	1.28	1%			1.14	1.14	100.00%
All complete level					1103	0	1103	100%	0	0	0%	12.9422	12.68109	0	12.68109	100%	0.21488	2.17%	11.56	11.56	100.00%

** Note - It shall be mandatory to record the energy related parameters for each category of consumer which is being provided a separate rate of supply 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 each category of consumers by the applicable rate of subsidy notified by the state government.

Circle	Residential
Sl. No.	
1	Please enter name of circle
2	Please enter circle code
3	Please enter number of meter or 0
4	Please enter meter

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 results into loss to the Central Government or State Government or any of the authority under them or any other person affected, I/we shall be held responsible by law.

Name of Authorized Signatory: _____
 Name of the District: _____
 Full Address: _____
SUPERINTENDING ENGINEER (E.L.)
COCHIN PORT AUTHORITY
 29/5



Signature: _____
 Name of Energy Manager:
 Register Number:

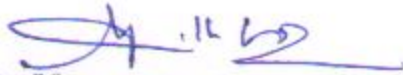
SURE KUMAR VK
 District Energy Auditor
 Reg. No. EA 3662

Performance Summary of Electricity Distribution Companies

1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st January 2024 to 31st March 2024	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	10.94
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	10.94
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded)	Million kwh	10.69
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	0.259
		%	2.37
	Collection Efficiency	%	100
(c)	Aggregate Technical & Commercial Loss	%	2.37

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 the authorised signatory: **SUPERINTENDING ENGINEER (ELE.)**
 Name of the Cochin Port Authority: **COCHIN PORT AUTHORITY**
 Full Address: Walsland, Cochin -682009, Kerala

*Sub
29/5*

Signature:-
 Name of Energy Manager*:
 Registration Number:

1

SUNIL KUMAR V.K
Certified Energy Auditor
Reg. No: EA 3642

Seal

Form-Details of Input Infrastructure					
I	Parameters	Total	Covered during in audit	Verified by Auditor in Sample Check	Remarks (Source of data)
i	Number of circles	1		1	
ii	Number of divisions				
iii	Number of sub-divisions				
iv	Number of feeders	35		35	1 Through AMI meter soft
v	Number of DTs	33		33	1 No meter is installed
vi	Number of consumers	1288		1288	Through SAP
2	Parameters	66kV and above	33kV	11/22kV	LT
a.i.	Number of conventional metered consumers	0	0	0	89
b	Number of consumers with 'smart' meters	0	0	37	1162
iii	Number of consumers with 'smart prepaid' meters	0	0	0	0
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	0
vii	Number of total consumers	0	0	36 *	1252
3.i	Number of conventionally metered Distribution Transformers	0			
ii	Number of DTs with communicable meters	0	0	0	0
iii	Number of unmetered DTs	0	0	33	0
iv	Number of total Transformers	0	0	33	0
a.i.	Number of metered feeders	0	0	11	0
ii	Number of feeders with communicable meters	0	0	0	0
iii	Number of unmetered feeders	0	0	19	0
iv	Number of total feeders	0	0	30	0
v	Line length (±1 km)	0	0	85	0
e	Length of Aerial Bunched Cables	0	0	0	0
f	Length of Underground Cables	0	0	0	105
3	Voltage level	Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long Term Conventional	7.2825	Includes input energy for franchisees	From M/s KSEBL
		Medium Conventional	0		
		Short Term Conventional	0		
		Banking	0		
		Long Term Renewable energy	0		
		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 include input for franchisees.	
		Sale of surplus power	0.00%		

[Handwritten Signature]

SUPERINTENDING ENGINEER (E.E.)
COCHIN PORT AUTHORITY
[Handwritten initials]
 29/5

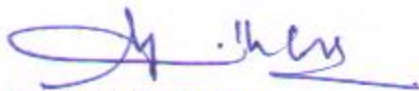
iv	33 kV	Sales at 33 kV level	0	
		Quantum of losses at 33 kV	0	
		Energy input at 33kV Level	0	
		DISCOM consumers	0	Include sales to consumers in franchisee areas, unmetered consumers
		Demand from open access, captive	0	Non-DISCOM's sales
		Cross border sale of energy	0	
		Sale to other DISCOMs	0	
		Banking	0	
		Energy input at > 33kV Level	0	
		Sales at 66kV and above (EHV)	0	
		Total Energy Requirement	10.9445260	
		Total Energy Sales	10.6850384	

Energy Accounting Summary

Sr	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	2.5992867	2.339795	0.2594876	
ii	11 kv	10.86832	8.345239	0	
iii	33 kv	0	0	0	0
iv	> 33 kv	7.283	0	0.000000	0
Open Access, Captive					
i	LT	0	0		
ii	11 kv	0.30000	0		
iii	33 kv	0	0		
iv	> 33 kv	0.000	0		

Loss Estimation for DISCOM	
T&D loss	0.259
D loss	0.259
T&D loss (%)	2.37
D loss (%)	2.37

** Category wise loss couldn't be assessed due to non installation of DTR meters
 * 11 kV loss is assumed as zero for calculating the LT input energy



**SUPERINTENDING ENGINEER (ELE.)
 COCHIN PORT AUTHORITY**

29/15

		Quantum of inter-state transmission loss	0	As confirmed by SLDC, PtDC etc		
		Power procured from inter-state sources	0.0000	Based on data from Form 5		
		Power at state transmission boundary	7.2825			
ii	33kV	Long-Term Conventional	0			
		Medium Conventional	0			
		Short Term Conventional	0			
		Banking	0			
		Long-Term Renewable energy	0			
		Medium and Short-Term RE	0			
		Captive, open access input	0			
		Sale of surplus power	0			
		Quantum of intra-state transmission loss	0			
		Power procured from intra-state sources	0			
iii		Input in DISCOM wires network	0			
iv	33 kV	Renewable Energy Procurement	0			
		Small capacity conventional/ biomass/ hydro plants Procurement	0			
v	11 kV	Captive, open access input	0			
		Renewable Energy Procurement	0			
vi	LT	Small capacity conventional/ biomass/ hydro plants Procurement	0			
		Sales Migration Input	3.5454			
vii	LT	Renewable Energy Procurement	0.079202			
		Sales Migration Input	0			
viii		Energy Embedded within DISCOM wires network	0			
ix	4	Total Energy Available/ Input	10.9445260			
i	LT Level	Energy Sales Particulars		Reference		
		DISCOM consumers	2.340	Include sales to consumers in franchisee areas, unmetered consumers		
		Demand from open access, captive	0	Non DISCOM's sales		
		Embedded generation used at LT level	0	Demand from embedded generation at LT level		
		Sale at LT level	2.340			
		Quantum of LT level losses	0			
		Energy Input at LT level	**			
		ii	11 kV Level	DISCOM consumers	8.345	Include sales to consumers in franchisee areas, unmetered consumers
				Demand from open access, captive	0	Non DISCOM's sales
				Embedded generation at 11 kV level used	0	Demand from embedded generation at 11kV level
Sales at 11 kV level	8.345					
iii	33 kV Level	Quantum of losses at 11 kV	0			
		Energy input at 11 kV level	0			
iv	33 kV Level	DISCOM consumers	0	Include sales to consumers in franchisee areas, unmetered consumers		
		Demand from open access, captive	0	Non DISCOM's sales		
		Embedded generation at 33 kV or below level	0	This is DISCOM and OA demand met via energy generated at same voltage level		

Shikha

SUPERINTENDING ENGINEER (E.L.)
COCHIN PORT AUTHORITY

29/5