


General Information

1	Name of the DISCOM	Cochin Port Authority		
2	i) Year of Establishment	1936		
	ii) Government/Public/Private	Public		
3	DISCOM's Contact details & Address			
i	City/Town/Village	Cochin		
ii	District	Ernakulam		
iii	State	Kerala	Pin	682009
iv	Telephone	0484-2668200	Fax	0484-2666512
4	Registered Office			
i	Company's Chief Executive Name			
ii	Designation	Chairman		
iii	Address	Cochin Port Authority, W.Island		
iv	City/Town/Village	Cochin	P.O.	W.Island
v	District	Ernakulam		
vi	State	Kerala	Pin	682009
vii	Telephone	0484-2668566	Fax	0484-2668163
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)			
ii	Designation	Deputy Chief Mechanical Engineer(Ele)		
iii	Address	Cochin Port Authority, W.Island		
iv	City/Town/Village	Cochin	P.O.	W. Island
v	District	Ernakulam		
vi	State	Kerala	Pin	682009
vii	Telephone	0484-2582350/2351	Fax	0484-2666639
6	Energy Manager Details*			
i	Name	Jayalakshmy.S		
ii	Designation	Asst. Exe. Engineer(Ele)	Whether EA or EM	EM
iii	EA/EM Registration No.	Nil		
iv	Telephone	0484-2382360	Fax	0484-2666639
v	Mobile	9496450704	E-mail ID	jayalakshmi@cochinport.gov.in
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	1st July 2022 to 30th Sep 2022		

Performance Summary of Electricity Distribution Companies			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st July 2022 to 30th Sep 2022	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	8.15
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	8.15
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded)	Million kwh	7.95
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	0.19
		%	2.39
	Collection Efficiency	%	100%
(c)	Aggregate Technical & Commercial Loss	%	2%

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 At Ajayakumar R.S
 Name of th Cochin Port Authority
 Full Addre: W.Island , Cochin -682009, Kerala

Signature:-
 Name of Energy Manag
 Registration Number:


 N.ponraja
 CEA-24097

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	yes	
ii	Number of divisions				
iii	Number of sub-divisions				
iv	Number of feeders	15	15		1
v	Number of DTs	36	46		1
vi	Number of consumers	1202	1202		5
2	Parameters	66kV and above	33kV	11/22kV	LT
a. i.	Number of conventional metered consumers	0	0	0	0
ii	Number of consumers with 'smart' meters	0	0	34	1168
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	34	1168
b.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	36	0
iv	Number of total Transformers	0	0	36	
c.i.	Number of metered feeders	0	0		0
ii	Number of feeders with communicable meters	0	0	11	0
iii	Number of unmetered feeders	0	0	4	
iv	Number of total feeders	0	0	15	
d.	Line length (ct km)		85		
e.	Length of Aerial Bunched Cables		0		
f.	Length of Underground Cables		155		
3	Voltage level	Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long-Term Conventional	6	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 franchisee.	
		Sale of surplus power	0.00%		
		Quantum of inter-state transmission loss	0	As confirmed by SLDC, RLDC etc	
		Power procured from inter-state sources	6	Based on data from Form 5	
Power at state transmission boundary	6				
		Long-Term Conventional	0		

ii	33kV	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	0.00%	
		Quantum of intra-state transmission loss	0	
		Power procured from intra-state sources	0	
iii		Input in DISCOM wires network	6	
iv	33 kV	Renewable Energy Procurement	0.08085	
		Small capacity conventional/ biomass/ hydro plants Procurement	0	
		Captive, open access input	0.00000	
v	11 kV	Renewable Energy Procurement	0	
		Small capacity conventional/ biomass/ hydro plants Procurement	0	
		Sales Migration Input	2	
vi	LT	Renewable Energy Procurement	0	
		Sales Migration Input	0	
vii		Energy Embedded within DISCOM wires network	2.12717	
viii		Total Energy Available/ Input	8	
4	Voltage level	Energy Sales Particulars	MU	Reference
i	LT Level	DISCOM' consumers	2	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	
		Quantum of LT level losses	0	
		Energy Input at LT level	2	
ii	11 kV Level	DISCOM' consumers	6	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	6	
		Quantum of Losses at 11 kV	0	
		Energy input at 11 kV level	6	
iii	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
		Sales at 33 kV level	0	
		Quantum of Losses at 33 kV	0	
		Energy input at 33kV Level	0	
iv	> 33 kV	DISCOM' consumers		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			8.1472700		
Total Energy Sales			7.9525410		

Energy Accounting Summary

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	0	1.728257		
ii	11 Kv	2.12717	6.224284		
iii	33 kv	0	0		
iv	> 33 kv	6.020	0		
6	Open Access, Captive	Input (in MU)	Sale (in MU)	Loss (in MU)	
i	LT	0	0	0	
ii	11 Kv	0	0	0	
iii	33 kv	0	0	0	
iv	> 33 kv	0	0	0	

Loss Estimation for DISCOM

T&D loss	0
D loss	0
T&D loss (%)	2.390113498
D loss (%)	2.390113498

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

Division Wise Losses																							
Period From 1st July 2022...To 30 th sep 2022...																							
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	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
													Input energy (MU)	Metered energy	Unmetered/assessment energy	Total energy							
1				Residential	433	0	433	36%	0	0	0	0%	8.14727	0.210166	0	0.210166	3%	0.194729	2%	0.12904683	0.12904683	100.00%	
				Agricultural	0	0	0	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%	
				Commercial/Industrial-LT	580	0	580	48%	0	0	0	0%		0.870673	0	0.870673	11%			1.15613575	1.15613575	100.00%	
				Commercial/Industrial-HT	27	0	27	2%	0	0	0	0%		5.743311	0	5.743311	72%			6.2006237	6.2006237	100.00%	
				Others	162	0	162	13%	0	0	0	0%		1.128391	0	1.128391	14%			0.97010768	0.97010768	100.00%	
Sub-total				1202	0	1202	100%	0	0	0	100%	8.14727	7.952541	0	7.952541	100%	0.194729	2%	8.45591396	8.45591396	100.00%		
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	0%	0	0	0.00%		
3				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	0%	0	0	0.00%		
4				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	0%	0	0	0.00%		
5				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	0%	0	0	0.00%		
6				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	0%	0	0	0.00%		
7				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	0%	0	0	0.00%		
8				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	0%	0	0	0.00%		
9				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	0%	0	0	0.00%		
10				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	0%	0	0	0.00%		
11				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	0%	0	0	0.00%		

(Details of Consumers)

Summary of Energy

Period From 1 st July 2021 to Sept 2021

S.No	Type of Consumers	Category of Consumers (EHT/HT/LT/Others)	Voltage Level (In Voltage)	No of Consumers	Total Consumption (In MU)	Remarks (Source of data)
1	Domestic	LT	240/415	485	0.210166	
2	Commercial	LT	240/415	51	0.47806	
3	IP Sets	0				
4	Hor. & Nur. & Coffee/Tea & Rubber (Metered)	0				
5	Hor. & Nur. & Coffee/Tea & Rubber (Flat)	0				
6	Heating and Motive Power	0				
7	Water Supply	0				
8	Public Lighting	LT	415	3	0.002632	
9	HT Water Supply	0				
10	HT Industrial	HT	11 kV	1	0.145612	
11	Industrial (Small)	LT	415	2	0.00545	
12	Industrial (Medium)	0				
13	HT Commercial	HT	11 kV	27	5.597699	
14	Applicable to Government Hospitals & Hospitals	0				
15	Lift Irrigation Schemes/Lift Irrigation Societies	0				
16	HT Res. Apartments Applicable to all areas	0				
17	Mixed Load		11 kV/415 V	544	0.837743	
18	Government offices and department	Ht/LT	11 kV/415 V	89	0.675179	
19	Others-1 (if any , specify in remarks)					
20	Others-2 (if any , specify in remarks)					
21	Others-3 (if any , specify in remarks)					
22	Others-4 (if any , specify in remarks)					
23	Others-5 (if any , specify in remarks)					
24						
25						
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