



COCHIN SPECIAL ECONOMIC ZONE AUTHORITY (CSEZA)  
MINISTRY OF COMMERCE & INDUSTRY  
GOVERNMENT OF INDIA,  
KAKKANAD, COCHIN – 682 037.  
Phone: 2413111, 2413234, Fax: 2413074  
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Website: http://www.csezauthority.in

No. H-2/01/2020:CSEZA | 4768

Dated: 16.12.2021

To

The Director,  
Bureau of Energy Efficiency,  
Ministry of Power, Government of India  
4th Floor, Sewa Bhawan  
R. K. Puram, New Delhi - 110066 (INDIA)  
Fax: +91 11 26178352

Sub: Bureau of Energy Efficiency ( Manner and Intervals for Conduct of Energy Audit in Electricity Distribution Companies) Regulations, 2021- Submitting First periodic Energy Accounting Report ( Periodic Energy Accounting Report of CSEZ Authority( CSEZA) for the quarter ending on 30<sup>th</sup> September 2021)-Reg

Ref: 1. Letter No. 11-10/5/2020-EC dated 27<sup>th</sup> October 2021 from Ministry of Power  
2. Letter F. No.18/1/BEE/DISCOM/20213999-4101 dated 18<sup>th</sup> November , 2021 from BEE  
3. Letter F.No.18/1/BEE/DISCOM/2021/484792-893 dated 9<sup>th</sup> December, 2021 from BEE

Sir,

Please refer to the letters cited above. In this regard, first report of Periodic Energy Accounting of CSEZ Authority (CSEZA) for the quarter ending 30<sup>th</sup> September 2021 is attached herewith. Soft copy in the given Excel format has been sent by Email. The above report has been duly verified and endorsed by Authorized signatory of CSEZ Authority (CSEZA). CSEZA would also like to highlight the following points in respect of the said report, for kind attention of BEE:

1. In the "Summary Sheet", the T & D loss is automatically calculated as 0.01% instead of the actual T&D Loss of 1.45%. Similarly, in "Division Wise Losses" ( Row – 12 Column T) also, the T&D Loss is showing as 1%. Further, Aggregate Technical Loss is shown wrongly as 99 % in "Summary Sheet" as well as in Row 12, Column X of "Division Wise Losses". It is noted that these values are not editable and hence give wrong information.
2. Since 11 KV Ring main feeder system is followed in CSEZ, it appears to be logically incorrect to enter feeder wise details. Moreover, DT metering system of appropriate accuracy class is to be installed. Hence, feeder wise details are not provided.

3. With reference to the 2<sup>nd</sup> cited letter dated 18<sup>th</sup> November, 2021, please note that CSEZA is a small Power Distribution Licensee under Ministry of Commerce and Industry, Government of India operating in a small industrial area of 103 acre with a limited number of consumers (about 167), average yearly sales of 56 MU and T & D loss less than 2%. CSEZA acts as a facilitator for the exporting Units in the Zone and do not have technical manpower in its roll and entire activities are done through outsourced Operation and Maintenance Agency. Hence CSEZA may be permitted to have certified Energy Manager and IT Manager through outsourced Operation and Maintenance Agency. Also, Finance related activities are being done through accounts wing of CSEZA and duly verified by Senior officer. Till Energy Manager is appointed, Energy Accounting Reports and Energy Audit Reports will be duly verified and endorsed by Authorized Signatory of CSEZA.

CSEZA hereby designate Nodal Officer as below:

Name	Designation	Mobile Number	Email	Address
Pramodu S	Secretary in Charge, CSEZA	9497717303	pramodcsez@gmail.com	Cochin Special Economic Zone Authority (CSEZA), Ministry of Commerce and Industry, Government of India, Kakkanad, Kochi, PIN-682 037.

Yours faithfully,

(Pramodu S)

Secretary In Charge- CSEZA

Encl: As above.

Copy to: Energy Management Centre, Sreekrishna Nagar, Sreekariyam P O, Thiruvananthapuram – 695 017.



## General Information

<b>1</b>	<b>Name of the DISCOM</b>	Cochin Special Economic Zone Authority (CSEZA)		
<b>2</b>	<b>i) Year of Establishment</b>	2009		
	<b>ii) Government/Public/Private</b>	Government		
<b>3</b>	<b>DISCOM's Contact details &amp; Address</b>			
<b>i</b>	City/Town/Village	Cochin		
<b>ii</b>	District	Ernakulam		
<b>iii</b>	State	Kerala	Pin	682037
<b>iv</b>	Telephone	0484-2413111	Fax	2413074
<b>4</b>	<b>Registered Office</b>			
<b>i</b>	Company's Chief Executive Name	D.V Swamy		
<b>ii</b>	Designation	Development Comissioner & Chairman CSEZ Authority		
<b>iii</b>	Address	Cochin Special Economic Zone Authority (CSEZA), Ministry of		
<b>iv</b>	City/Town/Village	Cochin	P.O.	CSEZ
<b>v</b>	District	Ernakulam		
<b>vi</b>	State	Kerala	Pin	682037
<b>vii</b>	Telephone	0484-2413222	Fax	2413074
<b>5</b>	<b>Nodal Officer Details*</b>			
<b>i</b>	Nodal Officer Name (Designated at DISCOM's)	Pramodu S, Secretary-in-Charge - CSEZ Authority		
<b>ii</b>	Designation	Secretary-in-Charge		
<b>iii</b>	Address	Cochin Special Economic Zone Authority (CSEZA), Ministry of		
<b>iv</b>	City/Town/Village	Cochin	P.O.	CSEZ
<b>v</b>	District	Ernakulam		
<b>vi</b>	State	Kerala	Pin	682037
<b>vii</b>	Telephone	0484-2413222, 9497717303	Fax	2413074
<b>6</b>	<b>Energy Manager Details*</b>			
<b>i</b>	Name			
<b>ii</b>	Designation	Whether EA or EM		
<b>iii</b>	EA/EM Registration No.			
<b>iv</b>	Telephone	Fax		
<b>v</b>	Mobile	E-mail ID		
<b>7</b>	<b>Period of Information</b>			
	Year of (FY) information including Date and Month (Start & End)	01/07/2021 To 30/09/2021		

**Performance Summary of Electricity Distribution Companies**

<b>1</b>	Period of Information Year of (FY) information including Date and Month (Start & End)	01/07/2021 To 30/09/2021	
<b>2</b>	<b>Technical Details</b>		
<b>(a)</b>	<b>Energy Input Details</b>		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	14.12
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	14.12
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	13.91
<b>(b)</b>	Transmission and Distribution (T&D) loss Details	Million kwh	0.20
		%	0.01
	Collection Efficiency	%	100%
<b>(c)</b>	Aggregate Technical & Commercial Loss	%	99%

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:-

Signature:-

Name of Energy Manager\*:

Registration Number:

Seal

Details of Division Wise Losses (See note below)**																					
Period From 01/07/2021 To 30/09/2021																					
S.No	Name of circle	Circle code	Name of Division	Consumer category	Consumer profile			Energy parameters				Losses		Commercial Parameter		AT & C loss (%)					
					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 (MU)	% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore
1				Residential	0	0	0	0%	0	0	0	0%	0	0	0	0	0	0	0	0.00%	
				Agricultural	1	0	1	1%	0.313	0	0.313	2%	0.334763	0	0.334763	2%	0	0	0.14	0.14	100.00%
				Commercial/Industrial-LT	107	0	107	64%	5.739	0	5.739	31%	14.11614	2.219385	2.219385	16%	0.204849	0	1.83	1.83	100.00%
				Commercial/Industrial-HT	28	0	28	17%	12.55	0	12.55	67%	11.23764	11.23764	0	81%	0	0	7.8	7.8	100.00%
				Others	31	0	31	19%	0.0304	0	0.0304	0%	0.119502	0	0.119502	1%	0	0	0.12	0.12	100.00%
	Sub-total			167	0	167	100%	18.6324	0	18.6324	100%	13.91129	0	0.204849	0	9.89	9.89	100.00%	99%		
2				Residential	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	0.00%
				Commercial/Industrial-LT	0	0	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	0	0.00%
				Others	0	0	0	0%	0	0	0%	0	0	0	0%	0	0	0	0	0	0
	Sub-total			0	0	0	100%	0	0	0	100%	0	0	0	0	0	0	0	0.00%	100%	
3				Residential	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	0.00%
				Commercial/Industrial-LT	0	0	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	0	0.00%
				Others	0	0	0	0%	0	0	0%	0	0	0	0%	0	0	0	0	0	0
	Sub-total			0	0	0	100%	0	0	0	100%	0	0	0	0	0	0	0	0.00%	100%	
4				Residential	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	0.00%
				Commercial/Industrial-LT	0	0	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	0	0.00%
				Others	0	0	0	0%	0	0	0%	0	0	0	0%	0	0	0	0	0	0
	Sub-total			0	0	0	100%	0	0	0	100%	0	0	0	0	0	0	0	0.00%	100%	
76				Residential	0	0	0	0%	0	0	0	0%	0	0	0	0	0	0	0	0.00%	
				Agricultural	1	0	1	1%	0.313	0	0.313	2%	0.334763	0	0.334763	2%	0	0	0.14	0.14	100.00%
				Commercial/Industrial-LT	107	0	107	64%	5.739	0	5.739	31%	14.11614	2.219385	2.219385	16%	0.204849	0	1.83	1.83	100.00%
				Commercial/Industrial-HT	28	0	28	17%	12.55	0	12.55	67%	11.23764	11.23764	0	81%	0	7.8	7.8	100.00%	
				Others	31	0	31	19%	0.0304	0	0.0304	0%	0.119502	0	0.119502	1%	0	0	0.12	0.12	100.00%
	Sub-total			167	0	167	100%	18.6324	0	18.6324	100%	13.91129	0	0.204849	0	9.89	9.89	100.00%	99%		

\*\* 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
0	Please enter name of circle
0	Please enter circle code
0	Please enter numeric value or 0
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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: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Name of Energy Manager: \_\_\_\_\_  
 Registration Number: \_\_\_\_\_

Form-input energy (Details of Input energy & Infrastructure)

S.No	Parameters	Period From	Period To	Remarks (Source of data)
A.1	Input Energy purchased (MU)	01/07/2021 To 31/12/2021	151,131.39	MSB-13.72625+value..(134889)
A.2	Transmission loss (%)	0%	0%	
A.3	Transmission loss (MU)	0	0	
A.4	Energy sold outside the periphery (MU)	0	0	
A.5	Open access sale (MU)	0	0	
A.6	EHT sale	0	0	
A.7	Net input energy (received at DISCOM periphery or at distribution point) (MU)	0.00	0.00	
A.8	% of metering available at 66kV (does not include 11kV/132kV) (does not include 11kV/132kV)	0%	100%	
A.9	% of metering available at 33kV (does not include 11kV/132kV)	0%	100%	
A.10	% of metering available at 66kV	0%	100%	
A.11	% of metering available at consumer end	0%	100%	
A.12	No. of feeders at 66kV voltage level	0	0	
A.13	No. of feeders at 33kV voltage level	0	0	
A.14	No. of feeders at 11kV voltage level	29	29	
A.15	No. of LT feeders level	137	137	
A.16	Line length (kM) at 66kV voltage level	0	0	
A.17	Line length (kM) at 33kV voltage level	0	0	
A.18	Line length (kM) at 11kV voltage level	12.45	12.45	
A.19	Line length (km) at LT level	10.742	10.742	
A.20	Length of Aerial Bunched Cables	23.592	23.592	
A.21	Length of Underground Cables	1.1963	1.1963	
A.22	HT/LT ratio			

S.No	Zone	Circle	Voltage Level (kVA)	Division (kVA)	Sub-Division (kVA)	Feeder ID	Feeder Name	Feeder Status (Aggr./Non-aggr./Other)	Status of Meter (Functional/Non-functional)	Metering Data (Aggr./Non-aggr./Other)	Status of Communication		Meter S.No	Period from, To		Remarks (Source of data)
											% data received automatically if meter A/GU/AMT	Number of hours when meter was unable to communicate		Total Number of hours in the period	Import (MU)	
B.1						Ring 1 A										
B.2						Ring 1 B										
B.3						Ring 2 A										
B.4						Ring 2 B										
B.5						Ring 3 A										
B.6						Ring 3 B										
B.7						W/B based Feeder										
B.8						200 Feeder with Single Pole										
B.9						Carbonadium Universal										
B.10						Multi-pole trip										
B.11						Multi-pole trip										
B.12						Slow tripping										
B.13																

B.1001	Total (MU)															0.00	0.00	0.00
B.1002	Net input energy at DISCOM periphery (MU)															0.00	0.00	0.00

Circle	Parameter
	Please enter voltage level or leave blank
	Please enter feeder id and name or leave blank
	Enter meter no or leave blank
	Enter CT/PT ratio or leave blank
0	Please enter numeric value or 0
	Please select yes or no from list
	Formula protected

I/We undertake that the information supplied in this document and Pre-forms 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 other person affected, I/we undertake to indemnify such loss.

Authorised Signatory and Seal

Name of Authorised Signatory  
Name of the DISCOM:  
Full Address:-

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

Seal

### Details of Input Energy Sources

Period From 01/07/2021 To 30/09/2021

#### A. Generation at Transmission Periphery (Details)

S.No.	Name of Generation Station	Generation Capacity (In MW)	Type of Station (Based- Solid ( Coal, Lignite)/Liquid/Gas/Renewable ( biomass-bagasse)/Others)	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	Voltage Level ( At input)	Remarks (Source of data)

#### 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/Other)	Type of Contract	Type of Grid	Voltage Level (kVA)	Circle Load (MW)	Received at Circle (kVA)	Received at Circle (In MU)	Division Level Load (MW)	Received at Division Level (kVA)	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	ON Grid Tied Roof Top Solar Plant at SDF-43	0.168	Renewable Solar Grid		Self generate source	415			0.035643							
2	ON Grid Tied Roof Top Solar Plant at SDF-16	0.204	Renewable Solar Grid		Self generate source	415			0.064328							
3	ON Grid Tied Roof Top Solar Plant at SDF-17-1	0.144	Renewable Solar Grid		Self generate source	415			0.043905							
4	ON Grid Tied Roof Top Solar Plant at SDF-17-2	0.12	Renewable Solar Grid		Self generate source	415			0.029556							
5	ON Grid Tied Solar Plant at Ground mounted Solar Plant at Ware House SDF-17	0.363	Renewable Solar Grid		Self generate source	415			0.084467							
6		0.29	Renewable Solar Grid		Self generate source	415			0.079191							

