

MEGHALAYA POWER DISTRIBUTION CORPORATION LIMITED
OFFICE OF THE CHIEF ENGINEER (COMMERCIAL)
LUMJINGSHAI, SHORT ROUND ROAD, SHILLONG – 793001

Phone : (0364) 2590955

CIN: U40101ML2009SGC008374

email:

cemoneva.meecl@gmail.com

No. MePDCL/CE (Comm.)/Tech-078/Pt-I/2024-25/79

Dated. 15th November, 2024

To

The Director,
Bureau of Energy Efficiency,
Government of India,
4th Floor, Sewa Bhawan, R.K. Puram,
New Delhi-110066.

Sub: Submission of the Energy Accounting for 2nd quarter of the Financial Year 2024-25 of the Meghalaya Power Distribution Corporation Limited (MePDCL).

Sir,

With reference to the subject above, I have the honour to append herewith the Energy Accounting report for 2nd quarter of the Financial Year 2024-25 i.e. 1st July, 2024 to 30th September, 2024 in respect of Meghalaya Power Distribution Corporation Limited (MePDCL) as per the Bureau of Energy Efficiency (Manner and Intervals for conduct of Energy Audit in electricity Distribution Companies) Regulation, 2021.

This is for favour of your kind information and necessary action.

Encl: As above.

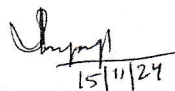
Yours faithfully,

(I. Lyngdoh)
Chief Engineer (Comm.)

No. MePDCL/CE (Comm.)/Tech-78/ Pt-I/2024-25/ 79 (a)
Copy to:

Dated. 15th November, 2024.

- 1) The Director (Distribution), MePDCL, Shillong, for favour of your kind information.
- 2) The Chief Engineer (Project), MePDCL, Shillong your kind information.
- 3) The Superintendent Engineer (RA), MePDCL, Shillong for necessary action.
- 4) All Members, Energy Audit Cell (EAC), MePDCL.
- 5) ☒ The Executive Engineer (MIS), MePDCL, Shillong with request to upload and publish this report at the website of the MeECL.
- 6) The Deputy Electrical Inspector & Nodal officer (Head), State Designated Agency on Energy Conservation, O/o the Inspectorate of Electricity, Lower Lachumiere, Shillong, for information. A copy of the report is enclosed herewith.
- 7) The IIT, Guwahati Team Email: beeiitg02@gmail.com for necessary action.


15/11/24
Chief Engineer (Comm.)

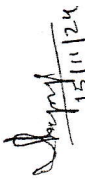
General Information

1	Name of the DISCOM	Meghalaya Power Distribution Corporation Limited (MePDCL)		
2	i) Year of Establishment	18.12.2009		
	ii) Government/Public/Private	Government Enterprise		
3	DISCOM's Contact details & Address			
i	City/Town/Village	Lum Jingshai, Short Round Road		
ii	District	East Khasi Hills		
iii	State	Meghalaya	Pin	793001
iv	Telephone	(0364) 2590610	Fax	(0364) 2590355
4	Registered Office			
i	Company's Chief Executive Name	Shri Sanjay Goyal, IAS		
ii	Designation	Chairman Cum Managing Director		
iii	Address	Lum Jingshai, Short Round Road		
iv	City/Town/Village	Shillong	P.O.	Shilling GPO
v	District	East Khasi Hills		
vi	State	Meghalaya	Pin	793001
vii	Telephone	(0364) 2590610	Fax	(0364) 2590355
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)	Smti. I. Lyngdoh		
ii	Designation	Chief Engineer (Comm.)		
iii	Address	Lum Jingshai, Short Round Road		
iv	City/Town/Village	Shillong	P.O.	Shillong GPO
v	District	East Khasi Hills		
vi	State	Meghalaya	Pin	793001
vii	Telephone	6009027660	Fax	
6	Energy Manager Details*			
i	Name			
ii	Designation	Energy Manager	Whether EA or EM	EM
iii	EA/EM Registration No.			
iv	Telephone		Fax	
v	Mobile		E-mail ID	
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	1st July, 2024 - 30th September, 2024		

Performance Summary of Electricity Distribution Companies		
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st July, 2024 - 30th September, 2024
2	Technical Details	
(a)	Energy Input Details	
(i)	Input Energy Purchase (From Generation Source)	Million kwh 868.35
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh 445.86
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh 371.04
(b)	Transmission and Distribution (T&D) loss Details	Million kwh 74.82 % 16.78%
	Collection Efficiency	% 81.36%
(c)	Aggregate Technical & Commercial Loss	% 32.30%

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


15/11/24

Name of Authorised Signatory S.M.T. I. Lyngdoh

Name of the DISCOM:

Full Address:-

Signature:-

Name of AEA*:

Registration Number:

Seal
Chief Engineer (Commercial)
Meghalaya Power Distribution Corporation Limited
Lumingshai, Shillong - 793001

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

Division Wise Losses																								
Period From 1st July, 2024 -30th September, 2024																								
S.No	Name of circle	Circle code	Name of Division	Consumer profile				Energy parameters					Losses		Commercial Parameter		AT & C loss (%)							
				No of connection metered (Nos)	No of connection Un-metered	Total Number of connections	% of connections	Connected load (MW)	Un-metered load (MW)	Total Connected load (MW)	% of connected load	Input energy (MU)	Metered energy	Unmetered/assess smt energy	Billed energy (MU)	Total energy		% of energy consumption	T&D loss (MU)	T&D loss (%)	Billed Amount in Rs. Crore	Collected Amount in Rs. Crore	Efficiency	
1	Shillong Distribution Circle			Residential	119670	4	119674	86%	267.418	0.004	267.422	68%	55.028	0.00034	55.0283	57%			36.6769	34.4312	93.88%			
				Agricultural	1	0	1	0%	0.008	0	0.008	0%	0.00095	0	0.00095	0%			0.0066	0.00724	109.65%			
				Commercial/Industrial-LT	15107	0	15107	11%	52.9748	0	52.9748	13%	102.87	0	11.1565	12%	6.40216	6%			10.0672	9.57475	89.72%	
				Commercial/Industrial-HT	135	0	135	0%	22.9343	0	22.9343	6%	8.47112	0	8.47112	9%			8.88211	10.2489	115.39%			
	Sub-total			Others	1125	0	1125	1%	50.1439	0	50.1439	13%	21.8114	0	21.8114	23%			20.5113	16.4003	79.96%			
					136048	4	136042	100%	393.479	0.004	393.483	100%	102.87	96.468	0.00034	96.4683	100%	6.40216	6%	76.7429	70.6624	92.08%	14%	
				Residential	66556	2008	68564	96%	79.6528	2.018	81.6708	81%	9.89779	0.18515	10.0829	67%			6.14051	5.22454	85.08%			
				Agricultural	1	0	1	0%	0.02	0	0.02	0%	0.00058	0	0.00058	0%			0.00112	0	0.00%			
2	Khasi Hills Distribution Circle			Commercial/Industrial-LT	2440	0	2440	3%	10.0581	0	10.0581	10%	19.2961	0	2.08575	14%	4.36951	23%	1.95728	1.54987	79.18%			
				Commercial/Industrial-HT	9	0	9	0%	2.493	0	2.493	2%	0.31833	0	0.31833	2%			0.40738	0.77401	190.00%			
				Others	269	0	269	0%	6.72753	0	6.72753	7%	2.45904	0	2.45904	16%			2.22154	2.23307	100.52%			
					69275	2008	71283	100%	98.9514	2.018	100.969	100%	19.2961	14.7615	0.16515	14.9266	100%	4.36951	23%	10.7278	9.87149	91.18%	29%	
	Sub-total			Residential	57659	429	58088	95%	66.2698	0.429	66.6988	80%	6.78984	0.00735	6.79719	63%			4.4989	4.00864	89.08%			
				Agricultural	1	0	1	0%	0.03	0	0.03	0%	0.00081	0	0.00081	0%			0.00156	0.00156	100.00%			
				Commercial/Industrial-LT	2991	0	2991	5%	11.4996	0	11.4996	14%	13.9177	0	1.80349	18%	4.04039	29%	1.80569	1.67949	90.24%			
				Commercial/Industrial-HT	24	0	24	0%	2.34851	0	2.34851	3%	0.55487	0	0.55487	6%			0.70102	0.5278	75.29%			
3	Khasi Hills Distribution Circle			Others	262	0	262	0%	2.76446	0	2.76446	3%	0.7209	0	0.7209	7%			0.80143	0.34701	43.30%			
					60937	429	61366	100%	87.9123	0.429	88.3413	100%	13.9177	9.86991	0.00735	9.87726	100%	4.04039	29%	7.8096	6.51451	83.47%	41%	
				Residential	16133	22	16155	96%	20.887	0.022	20.909	87%	1.86906	0	1.86906	76%			1.25646	0.57531	45.79%			
				Agricultural	0	0	0	0%	0	0	0	0%	0	0	0	0%			0	0	0.00%			
4	Khasi Hills Distribution Circle			Commercial/Industrial-LT	630	0	630	4%	1.618	0	1.618	7%	6.39917	0	0.28137	12%	4.0031	63%	0.26233	0.18804	71.68%			
				Commercial/Industrial-HT	0	0	0	0%	0	0	0	0%	0	0	0	0%			0.29565	0.35742	120.89%			
				Others	83	0	83	0%	1.4398	0	1.4398	6%	6.39917	0	0.24563	10%	4.0031	63%	1.81444	1.12077	61.77%	77%		
					16846	22	16868	100%	23.9448	0.022	23.9668	100%							2.68945	1.44857	53.86%			
	Sub-total			Residential	29102	296	29398	95%	35.6178	0.296	35.9138	50%	5.0863	0.01915	5.10545	22%			2.68945	1.44857	53.86%			
				Agricultural	2	0	2	0%	0.005	0	0.005	0%	0.00015	0	0.00015	0%			0.00016	0	0.00%			
				Commercial/Industrial-LT	1361	0	1361	4%	5.4562	0	5.4562	8%	30.8301	0	1.25505	5%	7.69543	25%	1.13068	0.86543	78.31%			
				Commercial/Industrial-HT	56	0	56	0%	25.5943	0	25.5943	35%	14.3533	0	14.3533	62%			10.5856	9.31367	87.98%			
5	Ri-Bhoi Distribution Circle			Others	125	0	125	0%	5.3835	0	5.3835	7%	2.42075	0	2.42075	10%			2.20981	2.03234	91.97%			
					30646	296	30942	100%	72.0568	0.296	72.3528	100%	30.8301	23.1155	0.01915	23.1347	100%	7.69543	25%	16.6157	13.68	82.33%	38%	
				Residential	22666	237	22893	94%	26.3999	0.237	26.6369	79%	3.39734	0.0213	3.41865	72%			1.91238	1.42985	74.77%			
				Agricultural	2	0	2	0%	0.017	0	0.017	0%	0.00555	0	0.00555	0%			0.00205	0.00092	44.99%			
	Sub-total			Commercial/Industrial-LT	1254	0	1254	5%	4.3395	0	4.3395	13%	5.547	0	0.95732	20%	0.76902	14%	0.84345	0.82489	97.80%			
				Commercial/Industrial-HT	6	0	6	0%	0.4959	0	0.4959	1%	0.13726	0	0.13726	3%			0.15397	0.13037	84.67%			
				Others	154	0	154	1%	2.2	0	2.2	7%	0.2592	0	0.2592	5%			0.37938	0.21124	55.68%			
					24082	237	24319	100%	33.4523	0.237	33.6893	100%	5.547	4.75667	0.0213	4.77798	100%	0.76902	14%	3.29123	2.99728	78.92%	32%	
	Sub-total			Residential	5932	1	5933	86%	8.0113	0.001	8.0123	4%	2.11143	0	2.11143	2%			1.27859	0.7381	57.73%			
				Agricultural	0	0	0	0%	0	0	0	0%	0	0	0	0%			0	0	0.00%			
				Commercial/Industrial-LT	803	0	803	12%	4.207	0	4.207	2%	111.78	1.25621	0	1.25621	1%	-0.85393	-1%	1.16811	0.81635	69.89%		
				Commercial/Industrial-HT	116	0	116	2%	201.733	0	201.733	94%	109.221	0	109.221	97%			71.4001	56.0649	78.52%			
7	Ri-Bhoi Distribution Circle			Others	26	0	26	0%	0.3221	0	0.3221	0%	0.04501	0	0.04501	0%			0.05159	0.02351	45.58%			
					6877	1	6878	100%	214.273	0.001	214.274	100%	111.78	112.634	0	112.634	100%	-0.85393	-1%	73.8984	57.6428	78.00%	21%	
				Residential	23645	134	23779	92%	27.2763	0.134	27.4123	28%	4.74556	0.0127	4.75626	20%			2.66183	2.10655	79.14%			
				Agricultural	0	0	0	0%	0	0	0	0%	0	0	0	0%			0	0	0.00%			
8	Jaintia Hills Distribution Circle			Commercial/Industrial-LT	1798	0	1798	7%	7.4282	0	7.4282	7%	32.216	1.6677	0	1.6677	7%	8.23756	26%	1.45988	1.10433	75.65%		
				Commercial/Industrial-HT	64	0	64	0%	60.0041	0	60.0041	60%	17.2863	0	17.2863	72%			17.7375	11.0868	62.51%			
				Others	114	0	114	0%	4.4121	0	4.4121	4%	0.26819	0	0.26819	1%			0.53254	0.59799	112.29%			
					25621	134	25755	100%	99.1227	0.134	99.2567	100%	32.216	23.9657	0.0127	23.9704	100%	8.23756	26%	22.3917	14.9957	66.52%	50%	
	Sub-total			Residential	25009	1	25010	92%	36.8124	0.001	36.8134	71%	6.08893	0	6.08893	63%			3.86877	4.76642	123.20%			
				Agricultural	0	0	0	0%	0	0	0	0%	0	0	0	0%			0	0	0.00%			
				Commercial/Industrial-LT	2085	0	2085	8%	8.496	0	8.496	16%	11.9558	1.49264	0	1.49264	15%	2.249	19%	1.37985	1.08289	78.48%		
				Commercial/Industrial-HT	7	0	7	0%	0.791	0	0.791	2%	0.20006	0	0.20006	2%			0.21993	0.1178	53.56%			
9	Jaintia Hills Distribution Circle			Others	154	0	154	1%	5.7129	0	5.7129	11%	1.94932	0	1.94932	20%			2.02768	1.04953	51.76%			
					27255	1	27256	100%	51.8173	0.001	51.8183	100%	11.9558	9.73095	0	9.73095	100%	2.249	19%	7.49623	7.01664	93.60%	24%	
				Residential	37508	0	37508	97%	40.4098	0	40.4098	80%	3.65768	0	3.65768	71%			2.06503	1.97582	95.68%			

		Sales at 11 kV level	99.222		
		Quantum of Losses at 11 kV	6.333		
		Energy input at 11 kV level	105.555		
		DISCOM' consumers	30.801	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 33 kV or below level		This is DISCOM and OA demand met via energy generated at same voltage level	
iii	33 kV Level	Sales at 33 kV level	30.801		
		Quantum of Losses at 33 kV	1.283		
		Energy input at 33kV Level	32.084		
		DISCOM' consumers	91.836	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
		Cross border sale of energy	400.207		
		Sale to other DISCOMs			
		Banking			
		Energy input at > 33kV Level	492.043		
		Sales at 66kV and above (EHV)	492.043		
		Total Energy Requirement	846.066		
		Total Energy Sales	771.246		
Energy Accounting Summary					
S	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	216.3833364	149.1799848	67.20335165	31.0575448
ii	11 Kv	105.5554532	99.22212605	6.333327195	6
iii	33 kv	32.08396826	30.80060953	1.28335873	4
iv	> 33 kv	91.83595649	91.83595649	0	0

Signature
15/11/24

Chief Engineer (Commercial)
Meghalaya Power Distribution Corporation Limited
Lumjingshai, Shillong - 793001

	Voltage level	Energy Purchase Particulars	MU	Reference	Remarks (Source of data)
3		Long-Term Conventional	394.656	Includes input energy for franchisees	Central Generating Stations
		Medium Conventional	0.000		
		Short-Term Conventional	9.754		LEX & DSM
		Banking	0.000		
		Long-Term Renewable energy	0.000		
		Medium and Short-Term RE	0.000		
i	66kV and above	Captive, open access input	0.000	Includes power from bilateral/ PX/ DEEP Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee.	
		Sale of surplus power	400.207		
		Quantum of inter-state transmission loss	13.986	As confirmed by SLDC, RLDC etc	
		Power procured from inter-state sources	390.424	Based on data from Form 5	
		Power at state transmission boundary	-9.783		
		Long-Term Conventional	463.935		MePGCL
		Medium Conventional			
		Short-Term Conventional			
		Banking			
ii	33kV	Long-Term Renewable energy			
		Medium and Short-Term RE			
		Captive, open access input			
		Sale of surplus power			
		Quantum of intra-state transmission loss	8.293		
		Power procured from intra-state sources	455.642		
iii		Input in DISCOM wires network	437.565		
iv	33 kV	Renewable Energy Procurement			
		Small capacity conventional/ biomass/ hydro plants Procurement			
		Captive, open access input			
v	11 kV	Renewable Energy Procurement			
		Small capacity conventional/ biomass/ hydro plants Procurement			
		Sales Migration Input			
vi	LT	Renewable Energy Procurement			
		Sales Migration Input			
vii		Energy Embedded within DISCOM wires network	0.000		
viii		Total Energy Available/ Input	437.565		
4	Voltage level	Energy Sales Particulars	MU	Reference	
		DISCOM' consumers	149.180	Include sales to consumers in franchisee areas, unmetered consumers	
i	LT Level	Demand from open access, captive		Non DISCOM's sales	
		Embedded generation used at LT level		Demand from embedded generation at LT level	
		Sale at LT level	149.180		
		Quantum of LT level losses	67.203		
		Energy Input at LT level	216.383		
		DISCOM' consumers	99.222	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive		Non DISCOM's sales	
ii	11 kV Level	Embedded generation at 11 kV level used		Demand from embedded generation at 11kV level	

(Details of Consumers)

Summary of Energy

Period From 1st July, 2024 - 30th September, 2024

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	HT/LT	LT/11/33	551934	122.050207	
2	Commercial	LT	LT	34695	25.82917327	
3	IP Sets					
4	Hor. & Nur. & Coffee/Tea & Rubber (Metered)					
5	Hor. & Nur. & Coffee/Tea & Rubber (Flat)					
6	Heating and Motive Power					
7	Water Supply	LT	LT	509	2.671848994	
8	Public Lighting	LT	LT	71	0.353331982	
9	HT Water Supply	HT	11 or 33	109	9.969306465	
10	HT Industrial	HT	11 or 33	211	141.2422204	
11	Industrial (Small)	LT	LT	619	1.180674202	
12	Industrial (Medium)					
13	HT Commercial	HT	11 or 33	233	9.72828683	
14	Applicable to Government Hospitals & Hospitals					
15	Lift Irrigation Schemes/Lift Irrigation Societies					
16	HT Res. Apartments Applicable to all areas					
17	Mixed Load	HT/LT	LT, 11 or 33	2415	3.508034833	
18	Government offices and department	HT/LT	LT, 11 or 33	212	16.86282054	
19	Agriculture	LT	LT	21	0.021610332	
20	EV	LT	LT	2	0.000255	
21	Distribution Franchisee-1_FEDCO	HT/LT	LT, 11 or 33	77295	31.97218	
22	Distribution Franchisee-2_SAI	HT/LT	LT, 11 or 33	27916	5.648727	
23						
			Total	696242	371.04	

[Signature]
15/11/24

Chief Engineer (Commercial)
Meghalaya Power Distribution Corporation Limited
Lumingshai, Shillong - 793001