



THE ADMINISTRATION OF UNION TERRITORY OF LADAKH
Office of the Superintending Engineer Distribution Circle, Leh
E-mail ID: sepddlada kh@gmail.com Tele/fax 01982-264231

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

No. SEDCL/T-210/ 1181-83

Dated: 11.08.2023


Sub- Submission of Energy Account report for the period from April to June 2023 for Ladakh PDD.

Sir,

Please find attached Energy Account for Ladakh Power Department for 1st quarter (April to June 2023) of FY - 2023-24.

Submitted for further necessary action please.

Yours sincerely


Superintending Engineer
Distribution LPDD, Leh

Copy for information to:

- 1) Chief Engineer, LPDD Ladakh
- 2) Assistant Executive Engineer, SD-I ED Leh

General Information

1	Name of the DISCOM	Power Development Department, Ladakh		
2	i) Year of Establishment			
	ii) Government/Public/Private	Government		
3	DISCOM's Contact details & Address			
i	City/Town/Village	CHOGLAMSAR		
ii	District	LEH		
iii	State	UT LADAKH	Pin	194101
iv	Telephone	8491087034	Fax	
4	Registered Office			
i	Company's Chief Executive Name	Shri TSEWANG PALJOR		
ii	Designation	CHIEF ENGINEER		
iii	Address	CHOGLAMSAR		
iv	City/Town/Village	CHOGLAMSAR	P.O.	CHOGLAMSAR
v	District	LEH		
vi	State	UT LADAKH	Pin	194101
vii	Telephone	9419179868	Fax	
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)	Shri TUNDUP SPALZANG		
ii	Designation	SUPERINTENDING ENGINEER		
iii	Address	CHOGLAMSAR		
iv	City/Town/Village	CHOGLAMSAR	P.O.	
v	District	LEH		
vi	State	UT LADAKH	Pin	194101
vii	Telephone	9596949606	Fax	
6	Energy Manager Details*			
i	Name	Shri TUNDUP SPALZANG		
ii	Designation	SUPERINTENDING	Whether EA or EM	EM
iii	EA/EM Registration No.			
iv	Telephone	9596949606	Fax	
v	Mobile	9596949606	E-mail ID	sepddlada kh@gmail.com
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	1st April, 2023 - 30th June, 2023		

Performance Summary of Electricity Distribution Companies			
1	Period of Information Year of (FY) information including Date and Month (Start & End)	1st April, 2023 - 30th June, 2023	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	46.53
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	65.58
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	48.49
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	17.09
		%	26.06%
	Collection Efficiency	%	107.08%
(c)	Aggregate Technical & Commercial Loss	%	20.83%

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: LADAKH POWER DEVELOPMENT DEPARTMENT

Full Address:- CHOGLAMSAR LEH UT-LADAKH

Superintending Engineer
Distribution Circle DD
Leh (Ladakh)

Seal

Signature:-

Name of AEA*:

Registration Number:

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			
ii	Number of divisions	2			
iii	Number of sub-divisions	4			
iv	Number of feeders	77			
v	Number of DTs	1754			
vi	Number of consumers	65705			
2	Parameters	66kV and above	33kV	11/22kV	LT
a. i.	Number of conventional metered consumers	1	0	132	62729
ii	Number of consumers with 'smart' meters	0	0	0	0
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	2976
vii	Number of total consumers	1	0	132	65705
b.i.	Number of conventionally metered Distribution Transformers	0	0	0	0
ii	Number of DTs with communicable meters	0	0	0	0
iii	Number of unmetered DTs	0	0		
iv	Number of total Transformers				
c.i.	Number of metered feeders	14	0	67	0
ii	Number of feeders with communicable meters	0	0	10	0
iii	Number of unmetered feeders	0	0	0	0
iv	Number of total feeders	14	0	77	0
d.	Line length (ct km)			2400CKM	
e.	Length of Aerial Bunched Cables			164CKM	
f.	Length of Underground Cables			0.5CKM	
3	Voltage level	Particulars	MU	Reference	Remarks (Source of data)
i	66kV and above	Long-Term Conventional		Includes input energy for franchisees	
		Medium Conventional			
		Short Term Conventional			
		Banking			
		Long-Term Renewable energy			
		Medium and Short-Term RE		Includes power from bilateral/ PX/ DEEP	
		Captive, open access input		Any power wheeled for any purchase other than sale to DISCOM. Does not include input for franchisee.	
		Sale of surplus power			
	Quantum of inter-state transmission loss		As confirmed by SLDC, RLDC etc		

		Power procured from inter-state sources	0	Based on data from Form 5
		Power at state transmission boundary	0	
ii	33kV	Long-Term Conventional		
		Medium Conventional		
		Short Term Conventional		
		Banking		
		Long-Term Renewable energy		
		Medium and Short-Term RE		
		Captive, open access input		
		Sale of surplus power		
		Quantum of intra-state transmission loss	0	
				Power procured from intra-state sources
iii		Input in DISCOM wires network	0	
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	
viii		Total Energy Available/ Input	0	
4	Voltage level	Energy Sales Particulars	MU	Reference
i	LT Level	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers
		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	0	
		Quantum of LT level losses	0	
		Energy Input at LT level		
ii	11 kV Level	DISCOM' consumers		Include sales to consumers in franchisee areas, unmetered consumers
		Demand from open access, captive		Non DISCOM's sales
		Embedded generation at 11 kV level used		Demand from embedded generation at 11kV level
		Sales at 11 kV level	0	
		Quantum of Losses at 11 kV	0	
		Energy input at 11 kV level		
iii	33 kV Level	DISCOM' consumers		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
		Sales at 33 kV level	0	

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

Energy Accounting Summary

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

Loss Estimation for DISCOM	
T&D loss	0
D loss	0
T&D loss (%)	#DIV/0!
D loss (%)	#DIV/0!

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

Division Wise Losses																								
Period From 1st April, 2023 To 30th June, 2023																								
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/assessment energy	Total energy								
1	LADAKH		LEH	Residential	28130	1698	29828	79%	27.9	1.5	29.4	43%	40	7.19	0.46	7.65	25%	8.91	22%	2.518	2.333	92.65%		
				Agricultural	20	1	21	0%	0.104	0.002	0.106	0%		0	0	0	0%			0.004	0	0.00%		
				Commercial/Industrial-LT	6692	543	7235	19%	15.304	1.07	16.374	24%		9.57	0.84	10.41	33%			3.574	3.35	93.73%		
				Commercial/Industrial-HT	73	2	75	0%	3.436	0.024	3.46	5%		0.32	0.01	0.33	1%			0.969	1.013	104.54%		
				Others	385	131	516	1%	15.43	3.39	18.82	28%		8.38	4.32	12.7	41%			11.111	11.931	107.38%		
				Sub-total	35300	2375	37675	100%	62.174	5.986	68.16	100%		40	25.46	5.63	31.09			100%	8.91	22%	18.176	18.627
2	LADAKH		KARGIL	Residential	24596	326	24922	85%	44.187	0.378	44.565	71%	25.58	8.27	0.11	8.38	48%	8.181	32%	3.849	3.598	93.48%		
				Agricultural	3	3	6	0%	0.44	0.273	0.713	1%		0	1.819	1.819	10%			0.177	0	0.00%		
				Commercial/Industrial-LT	2328	196	2524	9%	6.123	0.29	6.413	10%		2.62	0.24	2.86	16%			1.149	1.102	95.91%		
				Commercial/Industrial-HT	14	0	14	0%	1.369	0	1.369	2%		0	0	0	0%			0.196	0.191	97.45%		
				Others	488	76	564	2%	8.788	1.007	9.795	16%		3.66	0.68	4.34	25%			3.38	5.315	157.25%		
				Sub-total	27429	601	28030	100%	60.907	1.948	62.855	100%		25.58	14.55	2.849	17.399			100%	8.181	32%	8.751	10.206

76	Total	Residential	52726	2024	54750	83%	72.087	1.878	73.965	56%	65.58	15.46	0.57	16.03	33%	17.091	26%	6.367	5.931	93.15%
		Agricultural	23	4	27	0%	0.544	0.275	0.819	1%		0	1.819	1.819	4%			0.181	0	0.00%
		Commercial/Industrial-LT	9020	739	9759	15%	21.427	1.36	22.787	17%		12.19	1.08	13.27	27%			4.723	4.452	94.26%
		Commercial/Industrial-HT	87	2	89	0%	4.805	0.024	4.829	4%		0.32	0.01	0.33	1%			1.165	1.204	103.35%
		Others	873	207	1080	2%	24.218	4.397	28.615	22%		12.04	5	17.04	35%			14.491	17.246	119.01%
		At company level	62729	2976	65705	100%	123.081	7.934	131.015	100%		65.58	40.01	8.479	48.489			100%	17.091	26%

** 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.

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Authorised Signatory and Seal

Name of Authorised Signatory:

Name of the DISCOM:
Full Address:-

Seal

Signature:-
Name of Energy Manager:
Registration Number:

Form input energy (Details of input energy & infrastructure)		Parameters		Status of State		Priority		Project Name		Project Status		Project Location		Project Details		Project Cost		Project Impact		Project Risk	
Form input energy (Details of input energy & infrastructure)	Parameters	Status of State	Priority	Project Name	Project Status	Project Location	Project Details	Project Cost	Project Impact	Project Risk	Form input energy (Details of input energy & infrastructure)	Parameters	Status of State	Priority	Project Name	Project Status	Project Location	Project Details	Project Cost	Project Impact	Project Risk
1.1	Project Energy (MWh)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1	Project Energy (MWh)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1.2	Transmission loss (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	Transmission loss (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1.3	Transformer loss (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3	Transformer loss (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1.4	Other loss outside the project (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4	Other loss outside the project (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1.5	Losses (MWh)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.5	Losses (MWh)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1.6	Net input energy received at DDC (MWh) (net of 1% distribution loss)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.6	Net input energy received at DDC (MWh) (net of 1% distribution loss)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1.7	Net input energy received at DDC (MWh) (net of 1% distribution loss)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.7	Net input energy received at DDC (MWh) (net of 1% distribution loss)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1.8	1% Distribution loss at 11 kV (MWh) (net of 1% loss)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.8	1% Distribution loss at 11 kV (MWh) (net of 1% loss)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1.9	% of metering available at consumer end	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.9	% of metering available at consumer end	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.0	% of metering available at 11 kV	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.0	% of metering available at 11 kV	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.1	No. of meters at 11 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.1	No. of meters at 11 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.2	No. of meters at 33 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.2	No. of meters at 33 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.3	No. of meters at 11 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.3	No. of meters at 11 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.4	No. of meters at 33 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.4	No. of meters at 33 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.5	Line length (km) at 11 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.5	Line length (km) at 11 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.6	Line length (km) at 33 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.6	Line length (km) at 33 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.7	Line length (km) at 11 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.7	Line length (km) at 11 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.8	Line length (km) at 33 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.8	Line length (km) at 33 kV (voltage level)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.9	Length of underground cables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.9	Length of underground cables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3.0	Length of overhead cables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.0	Length of overhead cables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Details of Input Energy Sources

Period From 1st April, 2023 To 30th June, 2023

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	Voltage Level (At input)	Remarks (Source of data)
1	NBPS	45	Hydro Power Plant		Inter-State		11KV	NHPC
2	Chutuk	44	Hydro Power Plant		Inter-State		11KV	NHPC
3	PDC Dha-Hanu	18	Renewable/ Hydro		Inter-State		11KV	EPD,Leh
4	Iqbal	3.75	Renewable/ Hydro		Inter-State		11KV	EPD,KARGIL
5	Stakna	4	Renewable/ Hydro		Shutdown		11KV	EPD,LEH
6	Igo Martselong	3	Renewable/ Hydro		Inter-State		11KV	EPD,LEH
7	Sanjak	1.26	Renewable/ Hydro		Inter-State		11KV	EPD, KARGIL
8	Haftal	1	Renewable/ Hydro		Inter-State		11KV	EPD, KARGIL
9	Marpucho	0.75	Renewable/ Hydro		Inter-State		11KV	EPD,Leh
10	Hunder	0.4	Renewable/ Hydro		Isolation		11KV	EPD,Leh
11	Basgo	0.3	Renewable/ Hydro		Isolation		11KV	EPD,Leh
12	Summor	0.1	Renewable/ Hydro		Isolation		11KV	EPD,Leh

