



Ref. No. EG.10/2964

November 17, 2023

M/S. Surya Yadav, Project Engineer,
Bureau of Energy Efficiency,
(Ministry of power, Government of India)
4th Floor Sewa Bhawan,
R.K Puram, Sector-1,
New Delhi – 110066.

Dear Sir,

Energy Accounting Report

We enclose herewith the quarterly energy accounting report for the period July to September 2023.

Also, we wish to inform you that we have not offered any subsidy to any category of our consumers in our distribution area; hence we have not claimed any amount from the State Government.

Thanking you,

Yours faithfully,

^ Head – Engineering Department.

Cc: The Director, Bureau of Energy Efficiency.

General Information	
1	Name of the DISCOM KANAN DEVAN HILLS PLANTATIONS COMPANY PRIVATE LIMITED
2	i) Year of Establishment 2007 ii) Government/Public/Private PRIVATE
3	DISCOM's Contact details & Address
i	City/Town/Village MUNNAR
ii	District IDUKKI
iii	State KERALA
iv	Telephone 04868 255000
v	Fax 685612
4	Registered Office
i	Company's Chief Executive Name K.MATHEW ABRAHAM
ii	Designation MANAGING DIRECTOR
iii	Address K.D.H.P HOUSE,
iv	City/Town/Village MUNNAR TOWN
v	District IDUKKI
vi	State KERALA
vii	Telephone 04868 255000
viii	Fax 685612
5	Nodal Officer Details*
i	Nodal Officer Name (Designated at DISCOM's) RAJU U. WARRIER
ii	Designation HEAD - ENGINEERING DEPARTMENT
iii	Address ENGINEERING DEPARTMENT
iv	City/Town/Village MUNNAR
v	District IDUKKI
vi	State KERALA
vii	Telephone 04868 255101
viii	Fax 685612
6	Energy Manager Details*
i	Name Mr. R. JAYARAMAN
ii	Designation EXECUTIVE
iii	EA/EM Registration No. Whether EA or EM EM
iv	Telephone 04868 255107
v	Fax 04868 255107
vi	Mobile 9446130623
vii	E-mail ID jayaraman.r@kdhptca.co.in
7	Period of Information
i	Year of (FY) information including Date and Month (Start & End) 1st July 2023 to 30th September 2023



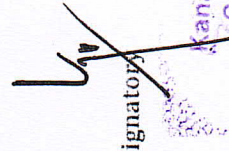
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Kanan Devan Hills Plantations
Company Private Limited
ENGINEERING DEPARTMENT
MUNNAR P.O.
KERALA - 685 612

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


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:-

Kanah Devan Hills Plantations
Company Private Limited
ENGINEERING DEPARTMENT
MUNNAR P.O.
KERALA - 685 612


Signature:- 
Name of energy manager: DELLA DAVID
Registration Number: EM - 11489/21



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	1	1
ii	Number of divisions	1	1	1	1
iii	Number of sub-divisions	1	1	1	1
iv	Number of feeders	7	7	7	7
v	Number of DTs	133	133	133	Including HT consumers
vi	Number of consumers	16061	16061	16061	16061
2	Parameters	66kV and above	33kV	11/22kV	LT
a.i.	Number of conventional metered consumers	-	-	-	6248
ii	Number of consumers with 'smart' meters	-	-	-	-
iii	Number of consumers with 'smart prepaid'	-	-	-	-
iv	Number of consumers with 'AMR' meters	-	-	-	-
v	Number of consumers with 'non-smart prepaid'	-	-	36	9777
vi	Number of unmetered consumers	-	-	-	-
vii	Number of total consumers	-	-	36	16025
	Number of conventionally metered Distribution Transformers	-	-	-	63
b.i.	Number of DTs with communicable meters	-	-	-	-
ii	Number of unmetered DTs	-	-	-	70
iii	Number of total Transformers	-	-	-	133
c.i.	Number of metered feeders	-	-	-	-
ii	Number of feeders with communicable meters	-	-	7	-
iii	Number of unmetered feeders	-	-	-	-
iv	Number of total feeders	-	-	7	-
d.	Line length (ct km)	-	-	180.23	193.8
e.	Length of Aerial Bunched Cables (km)	-	-	-	-
f.	Length of Underground Cables (km)	-	-	0.405	4.525
3	Voltage level	Particulars	MU	Reference	Remarks (Source of data)
v	11 kV	Renewable Energy Procurement	0	-	-
		Small capacity conventional/ biomass/ hydro plants Procurement	13.435	-	Purchase unit excluding feedback
		Sales Migration Input	1.35	-	Feedback
vi	LT	Renewable Energy Procurement	0	-	-
		Sales Migration Input	0	-	-
vii		Energy Embedded within DISCOM wires network	14.785	-	-
viii		Total Energy Available/ Input Energy Sales Particulars	14.785	Reference	-
4	Voltage level	DISCOM' consumers	MU	Reference	Total LT sales
		DISCOM' consumers	3.67	Include sales to consumers in franchisee areas, unmetered consumers	Total LT sales


 15/11/2023

i	LT Level	Demand from open access, captive Embedded generation used at LT level	0.00	Non DISCOM's sales Demand from embedded generation at LT level
		Sale at LT level	0.000084 3.67	
ii		Quantum of LT level losses	1.01	Included the LT OH line length, LT cable, Switch gear, Commercial & Transformer losses
		Energy input at LT level	4.68	
		DISCOM's consumers	8.43	Include sales to consumers in franchisee areas, un-metered consumers
		Demand from open access, captive	1.35	HT sales
		Embedded generation at 11 kv level used	0.01	Feedback
		Sales at 11 kv level	9.78	Demand from embedded generation at 11kv
	Quantum of Losses at 11 kv	0.32		
	Energy input at 11 kv level	10.11		
	Total Energy Requirement	14.785		
	Total Energy Sales	13.454		

Energy Accounting Summary

	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
5					
i	LT				
ii	11 Kv	14.785	13.454	1.331	9.01
iii	33 kv				
iv	> 33 kv				

Loss Estimation for DISCOM

T&D loss (MU)	1.331
D loss (MU)	1.331
T&D loss (%)	9.01
D loss (%)	9.01



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Company Private Limited
ENGINEERING DEPARTMENT
MUNNAR P.O.
KERALA - 685 012

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

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 (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 (MJ)	Metered energy	Unmetered/assessment energy	Total energy (MJ)	% of energy consumption	T&D loss (MJ)	T&D loss (%)	Billed Amount in Rs. Crore		Collected Amount in Rs. Crore
1	KDHP	KDHP	Residential	13560	0	13560	84.43%	16.26	0	16.26	48.02%	1.95	0	1.95	15%	0	0.95	0.94	99.47%	9.21%	
			Agricultural	6	0	6	0.04%	0.04	0	0.04	0.13%	0.03	0	0.03	0.01%	0	0.03	0.00	28.96%		
			Commercial/Industrial-LT	1278	0	1278	7.96%	4.96	0	4.96	14.63%	0.69	0	0.69	7%	0.64	0.95	101.27%			
			Commercial/Industrial-HT	31	0	31	0.19%	9.69	0	9.69	28.63%	8.43	0	8.43	63%	6.37	6.35	99.77%			
			Others + feedback	1186	0	1186	7.38%	2.92	0	2.92	8.61%	2.08	0	2.08	15%	0.60	0.59	97.96%			
			Sub-total	16061	0	16061	100%	33.87	0	33.87	100%	14.785	13.454	0.00	13.454	100%	8.855	8.835	99.77%		
2			Residential	0	0	0	0%	0	0	0	0%	0	0	0%	0	0	0	0.00%	100%		
			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	100%	0	0	0		0.00%	
76			Residential	13560	0	13560	84.43%	16.26	0	16.26	48.02%	1.95	0	1.95	15%	0	0.950	0.945		99.47%	100%
			Agricultural	6	0	6	0.04%	0.04	0	0.04	0.13%	0.03	0	0.03	0.01%	0	0.0306	0.0302		28.96%	
			Commercial/Industrial-LT	1278	0	1278	7.96%	4.96	0	4.96	14.63%	0.69	0	0.69	7%	0.937	0.9483	101.27%			
			Commercial/Industrial-HT	31	0	31	0.19%	9.69	0	9.69	28.63%	8.43	0	8.43	63%	6.366	6.3510	99.77%			
			Others	1186	0	1186	7.38%	2.92	0	2.92	8.61%	2.08	0	2.08	15%	0.602	0.5993	97.96%			
			Sub-total	16061	0	16061	100%	33.87	0	33.87	100%	14.785	13.454	0	13.454	100%	8.855	8.835	99.77%		
77			At company level																9.21%		

** 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.

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 subsidiary under them or any other person affected, I/We undertake to indemnify such loss.

Authorised Signatory and Seal
 Signature: 
 Name of Energy Manager: **DELLA DAVID**
 Registration Number: **EM - 11489/21**

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

Seal



Kanan Devan Hills Plantations
Company Private Limited
ENGINEERING DEPARTMENT
MUNNAR P.O.
KERALA - 685 612

Details of Jajait Energy Sources

Period From 1st July 2022 to 30th September 2022

A. Generation at Transmission Voltage (KV/110)

S.No.	Name of Generation Station	Generation Capacity (In MW)	Type of Station (Thermal, Solar, Coal, Hydro, Wind, Gas, Biogas, etc.)	Type of Contract (PPA, Short Term, etc.)	Type of Grid (Inter-Regional, State, etc.)	Point of Connection/Voltage Level (KV)	Remarks (Source of data)
1	Thalassery	37.5	Hydro	PPA Agreement	Inter-state	11 KV	Not available
2	Madhupatty	2	Bio-diesel	PPA Agreement	Intra-state	11 KV	Not available

B. Distribution Generation or DISCOM Area

S.No.	Name of Generation Station	Generation Capacity (In MW)	Type of Station (Generation Based, Solar/Wind/Gas/Biomass/Water/Other)	Type of Contract (Net metering, etc.)	Type of Grid	Voltage level (KV)	Circle Load (MW)	Received at Circle (In MW)	Received at Division Level (In MW)	Received at Sub-Division Level (In MW)	Received at Sub-Division Level (KVA)	Received at Sub-Division Level (In MW)	Remarks (Source of data)
1	Roost Top solar power plant	0.15	Renewable	Net metering	Self generate source	0.415		0.004256					Manual measurement - Field level
2	Roost Top solar power plant	0.045	Renewable	Net metering	Self generate source	0.230		0.000064					Manual measurement - Field level

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15/11/2023
Della David.



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Sl. No.	Zone	Circle	Voltage Level (KV)	Division (KV)	Sub-Division (KV)	Feeder ID	Feeder Name	Feeder Status (A/Covered/uncovered/AMU/AMU)	Status of Meter (functional/non-functional)	Metering Date	Date of last actual meter reading/communication	Feeder Type (Rural/Industrial/Other)	% data received through AMR if feeder AMR	Number of meters with meter was tampered in	Number of meters with meter was tampered in	Period From July 2024 to September 2024	Period From July 2023 to September 2023	Remarks (Address of meter)
A.1	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.2	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.3	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.4	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.5	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.6	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.7	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.8	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.9	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.10	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.11	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.12	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.13	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.14	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.15	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.16	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.17	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.18	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.19	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.20	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.21	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
A.22	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
B.1	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
B.2	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
B.3	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
B.4	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH

Sl. No.	Zone	Circle	Voltage Level (KV)	Division (KV)	Sub-Division (KV)	Feeder ID	Feeder Name	Feeder Status (A/Covered/uncovered/AMU/AMU)	Status of Meter (functional/non-functional)	Metering Date	Date of last actual meter reading/communication	Feeder Type (Rural/Industrial/Other)	% data received through AMR if feeder AMR	Number of meters with meter was tampered in	Number of meters with meter was tampered in	Period From July 2024 to September 2024	Period From July 2023 to September 2023	Remarks (Address of meter)	
B.1	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
B.2	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
B.3	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
B.4	CHP	CHP	11	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH

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 other person affected, I/we undertake to indemnify ourselves.

Signature: [Signature]
 Name of Energy Metering: 15/11/2024
 Registration Number: DELLA DAVID
EM - 11489/21

[Signature]
Kanan Devan Hills Plantations
Company Private Limited
ENGINEERING DEPARTMENT
MUNNAR P.O.
KERALA - 685 612



(Details of Feeder-wise losses)

Period From 1st July 2023 to 30th September 2023

Sl No.	Zone	Received at Circle (In MU)	Received at Division (In MU)	Received at Sub-division (In MU)	Name of the Station	Feeder Code/ID	Feeder Name	Type of Feeder (Urban/Mixed/Industrial/Agricultural/Rural)	Type of feeder meter (AMI/AMR/Other)	Received at Feeder (Final In MU)	Feeder Consumption (In MU)	Final Net Export at Feeder Level (In MU)	T&D losses	AT&C losses	% Data Received through Automatically (if feeder AMR/AMI)	Remarks
1	KDHP						Nayamakad	Mixed	Others	2.60	2.30	0	11.62	11.82	nil	Madupatty 2 MW gets exported
2	KDHP						Madupatty	Mixed	Others	3.76	3.20	0	14.86	15.05	nil	
3	KDHP						Nettigudi	Mixed	Others	2.63	2.48	0	5.74	5.96	nil	
4	KDHP						Town	Mixed	Others	2.52	2.19	0	13.22	13.42	nil	
5	KDHP						ITD	Auxiliary	Others	2.52	2.38	0	5.88	6.10	nil	
6	KDHP						Pullivasal	Mixed	Others	0.90	0.86	0	4.77	4.99	nil	
7	KDHP						Station	Mixed	Others	0.00	0.00	0	0.00	0.00	nil	



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15/11/2023
Della David

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Company Private Limited
ENGINEERING DEPARTMENT
MUNNAR P.O.
KERALA - 585 612

Consumer category (Separate for each subsidized consumer category)	Billed energy		Subsidized billed energy		Applicable rate of subsidy as notified by state govt		Subsidy due from state govt		Subsidy actually billed/claimed from state govt (As against col 12)	Subsidy received from state govt (As against col 13)	Balance subsidy yet to be received from state govt
	(In Rs/Ct)		(In Rs/Ct)		(In Rs/Ct)		(In Rs/Ct)				
	Metered	Unmetered	Metered	Unmetered	Metered energy**	Unmetered energy	Metered energy	Unmetered energy			
	1	2	3	4	5	6	7	8	9	10	11
Residential	1954913	0	1954913	0	0	0	0	0	0	0	0
Agricultural	1089	0	1089	0	0	0	0	0	0	0	0
Commercial/Industrial-LT	991016	0	991016	0	0	0	0	0	0	0	0
Commercial/Industrial-HT	8431529	0	8431529	0	0	0	0	0	0	0	0
Others - Feedback	2075326	0	2075326	0	0	0	0	0	0	0	0
Total	1,34,53,873	0	1,34,53,873	0	0	0	0	0	0	0	0



15/11/2023
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ENGINEERING DEPARTMENT
MUNNAR P.O.
KERALA-685 612

**Basis of assessment of energy to be provided in the notes along with relevant government orders

*** Provide copy of relevant work orders

a. Division wise status of DT level metering													
Zone name	Circle name	Division name	Feeder name	Total no of DT on feeder	No of unmetered DTs	No of metered DTs			No. of DTs with functional meters				
						AMR metered (communicable)	AMI metered (communicable)	Non-AMR / AMI metered (non-communicable)	Communicating (Total No out of 7 and 8)	Non-communicating (Total No. out of 7,8 and 9)			
1	2	3	4	5=(6+7+8+9)	6	7	8	9	10	11			
KDHP	KDHP	KDHP	Nayamakad	31	16			15					
KDHP	KDHP	KDHP	Madupatty	41	25			16					
KDHP	KDHP	KDHP	Nettiguudi	24	12			12					
KDHP	KDHP	KDHP	Town	18	9			9					
KDHP	KDHP	KDHP	ITD	16	8			8					
KDHP	KDHP	KDHP	Pullivasal	3	0			3					
b. Details of DT-wise losses													
Sub-station ID	Feeder ID	Feeder Name	DT Id no	DT Capacity (KVA)	Predominant consumer type of DT (Domestic/Industrial/Agriculture/Mixed)	Type of metering (Unmetered/A MI/AMR/Other)	Status of meter (functional/non-functional)	% of data received automatically (if AMI/AMR)	No. of connected consumers	Input Energy (MU)	Billed Energy (MU)	Loss of Energy (MU)	% Loss
	1		2						3	4	5	6 = 4-5	(7) = [(6)/(4)] * 100

Not available as 100% DT metering not done also the DT measurement not yet commenced

David
15/11/2023
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Kanan Devan Hills Plantations
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