

General Information

1	Name of the DISCOM	Nidar Utilities Panvel LLP		
2	i) Year of Establishment	Established in 2015 & Operation starts in 2018		
	ii) Government/Public/Private			
3	DISCOM's Contact details & Address			
i	City/Town/Village	12th floor ,Knowledge park,		
ii	District	Hiranandani garden , powai , Mumbai		
iii	State	Maharashtra	Pin	400 076
iv	Telephone	022 2571 5100	Fax	
4	Registered Office			
i	Company's Chief Executive Name	Mr.Kunal Vohra		
ii	Designation	Chief Operating Officer		
iii	Address	: 514, Dalamal Towers, 211 FPJ Marg, Nariman Point		
iv	City/Town/Village		P.O.	
v	District	Mumbai		
vi	State	Maharashtra	Pin	400 021
vii	Telephone	2287 6060 / 2287 6061	Fax	22832010
5	Nodal Officer Details*			
i	Nodal Officer Name (Designated at DISCOM's)	Bhushan Gujrathi		
ii	Designation	Head Power distribution, O&M		
iii	Address	23/24,first floor ,Retail building ,Near Hiranandani		
iv	City/Town/Village	Village-Bhokharpada	P.O.	
v	District	Panvel		
vi	State	Maharashtra	Pin	
vii	Telephone		Fax	410206
6	Energy Manager Details*			
i	Name	Lokesh Chourasia		
ii	Designation	Energy Manager	Whether EA or EM	EA
iii	EA/EM Registration No.	EA 18663		
iv	Telephone		Fax	
v	Mobile		E-mail ID	
7	Period of Information			
	Year of (FY) information including Date and Month (Start & End)	Q1- 1st April, 2023 to 30th June , 2023		

M. Gujrathi

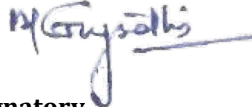
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Performance Summary of Electricity Distribution Companies

1	Period of Information Year of (FY) information including Date and Month (Start & End)	Q1- 1st April, 2023 to 30th June , 2023	
2	Technical Details		
(a)	Energy Input Details		
(i)	Input Energy Purchase (From Generation Source)	Million kwh	8.64
(ii)	Net input energy (at DISCOM Periphery after adjusting the transmission losses and energy traded)	Million kwh	8.47
(iii)	Total Energy billed (is the Net energy billed, adjusted for energy traded))	Million kwh	8.40
(b)	Transmission and Distribution (T&D) loss Details	Million kwh	0.07
		%	0.82%
	Collection Efficiency	%	98.20%
(c)	Aggregate Technical & Commercial Loss	%	2.61%

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: Nidar Utilities Panvel LLP

Full Address:- Corporate Office: 12th Floor, Knowledge Park, Hiranandani Business Park, Powai, Mumbai - 400 076.

Signature:-



Name of AEA*:

Lokesh Chourasia

Registration Number:

EA 18663

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	Assets DATA (Site Inspection)
ii	Number of divisions	1	1	1	Assets DATA (Site Inspection)
iii	Number of sub-divisions	1	1	1	Assets DATA (Site Inspection)
iv	Number of Sub-stations	6	6	6	Assets DATA (Site Inspection)
v	Number of Power Transformers	2	2	2	Assets DATA (Site Inspection)
vi	Total capacity of the PTRs in MVA	50	50	50	Assets DATA (Site Inspection) including Two Feeders 33 kv Incomers
vii	Number of Capacitor banks	2	2	2	Assets DATA (Site Inspection)
viii	Total capacity of the Capacitor Banks				Feeders 33 kv Incomers
ix	Number of feeders	23	5	2	Assets DATA (Site Inspection)
x	Number of DTs	9	9	9	Assets DATA (Site Inspection) including Two Feeders 33 kv Incomers
xi	Total Capacity of DTs in MVA	18.13	18.13	2	Assets DATA (Site Inspection)
xii	Number of consumers	2079	2079	15	Upto June-2023 As Billing software
2	Parameters	66kV and above	33kV	11kV,22kV,20kV,6.6kV,3.3kV	LT
a. i.	Number of conventional metered consumers	0	0	4	0
ii	Number of consumers with 'smart' meters	0	0	0	2074
iii	Number of consumers with 'smart prepaid' meters	0	0	0	0
iv	Number of consumers with 'AMR' meters	0	1	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	1	4	2074
b.i.	Number of conventionally metered Distribution Transformers	0	0	0	0
ii	Number of DTs with communicable meters	0	0	9	0
iii	Number of unmetered DTs	0	0	0	0
iv	Number of total Transformers	0	0	9	0
c.i.	Number of metered feeders	0	4	11	8
ii	Number of feeders with communicable meters	0	4	11	8
iii	Number of unmetered feeders	0	0	0	0
iv	Number of total feeders	0	4	11	8
d.	Line length (ct km)	0.00	0.40	6.60	18.14
e.	Length of Aerial Bunched Cables				
f.	Length of Underground Cables	0.00	0.40	6.60	18.14
3	Voltage levels	Particulars	MU	Reference	Remarks (Source of data)
		Long-Term Conventional	0.00		Includes input energy for franchisees

i	66kV and above	Medium Conventional	0.00			
		Short Term Conventional	0.00			
		Banking	0.00			
		Long-Term Renewable energy	0.00			
		Medium and Short-Term RE	0.00		Includes power from bilateral/ PX/ DEEP	
		Captive, open access input	0.00		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	0.00		As confirmed by SLDC, RLDC etc	
		Power procured from inter-state sources		0.00	Based on data from Form 5	
		Power at state transmission boundary		0.00		
ii	33kV	Long-Term Conventional				
		Medium Conventional				
		Short Term Conventional		8.37		DSM SLDC billing meters readings
		Banking				
		Long-Term Renewable energy				
		Medium and Short-Term RE				
		Captive, open access input				
		Sale of surplus power				
Quantum of intra-state transmission loss		0.00				
Power procured from intra-state sources		8.37				
iii		Input in DISCOM wires network	8.37			
iv	33 kV	Renewable Energy Procurement				
		Small capacity conventional/ biomass/ hydro plants Procurement				
		Captive, open access input				
v	11 kV	Renewable Energy Procurement	0.10		Solar banked units as per billing data under net metering	
		Small capacity conventional/ biomass/ hydro plants Procurement	0.00			
		Sales Migration Input	0.00			
vi	LT	Renewable Energy Procurement	0.00			
		Sales Migration Input	0.00			
vii		Energy Embedded within DISCOM wires network	0.10			
viii		Total Energy Available/ Input	8.47			
4	Voltage level	Energy Sales Particulars	MU	Reference		
i	LT Level	DISCOM' consumers	1.40	Include sales to consumers in franchisee areas, unmetered consumers	As per monthly billing	
		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	1.40		
		Quantum of LT level losses	0.03		
		Energy Input at LT level	1.43		Total input -Ht Consumption -33/11 kV 2 nos transformer losses
ii	11 kV Level	DISCOM' consumers	6.90	Include sales to consumers in franchisee areas, unmetered consumers	As per monthly billing software
		Demand from open access, captive	0.00	Non DISCOM's sales	
		Embedded generation at 11 kV level used		Demand from embedded generation at 11kV level	
		Sales at 11 kV level	6.90		As per monthly billing software
		Quantum of Losses at 11 kV	0.00		
		Energy input at 11 kV level	6.90		Connected on same bus
iii	33 kV Level	DISCOM' consumers	0.096	Include sales to consumers in franchisee areas, unmetered consumers	Only 1 consumer for STU SS Axu power
		Demand from open access, captive		Non DISCOM's sales	
		Embedded generation at 33 kV or below	0.096	This is DISCOM and OA demand met via energy generated at same voltage level	
		Sales at 33 kV level			As per monthly billing software
		Quantum of Losses at 33 kV	0.00		
		Energy input at 33kV Level	0.096		Connected on same bus
iv	> 33 kV	DISCOM' consumers	0.00	Include sales to consumers in franchisee areas, unmetered consumers	
		Demand from open access, captive	0.00	Non DISCOM's sales	
		Cross border sale of energy	0.00		
		Sale to other DISCOMs	0.00		
		Banking	0.00		
		Energy input at > 33kV Level	0.00		
		Sales at 66kV and above (EHV)	0.00		
Total Energy Requirement			8.43		
Total Energy Sales			8.40		

Energy Accounting Summary

5	DISCOM	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	1.43	1.40	0.03	1.84%
ii	11 Kv	6.90	6.90	0.00	0.00%
iii	33 kv	0.10	0.10	0.00	0.00%
iv	> 33 kv	0.00	0.00	0.00	#DIV/0!
6	Open Access, Captive	Input (in MU)	Sale (in MU)	Loss (in MU)	Loss %
i	LT	0.00	0.00	0.00	#DIV/0!
ii	11 Kv	0.00	0.00	0.00	#DIV/0!

iii	33 kv	0.00	0.00	0.00	#DIV/0!
iv	> 33 kv	0.00	0.00	0.00	#DIV/0!

Loss Estimation for DISCOM	
T&D loss	0.03
D loss	0.03
T&D loss (%)	0.31%
D loss (%)	0.31%

Nidar Utilities Panvel LLP (NUPLLP) is Deemed distribution licensee under SEZ norms . 100 % consumer are connected with AMR supported meters and all the feeders are fitted with MFM meters. Initial phase entire system designed to serve 50 MW load with least possible losses . As of now All high rised building flats consumers are fitted with billing meter but occupancy is less than 10 % . Hence observed some error in MFM meters readings due to the % of actual Vs capacity of the network . But total system losess considering overal import power Vs consumer meterd energy found very minimal. The measurement in feerder meters can be considered only when certain load on the feeders increased to measurable load by existing meters .

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

Division Wise Losses

Q1- 1st April, 2023 to 30th June , 2023

S.No	Name of circle	Circle code	Name of Division	Division Type (Urban/Rural)	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	HFC	HFC	HFC	Rural	Residential	2026	0	2026	97%	20.0327	0	20.0327	76%	8.47	1.105106	0	1.105106	13%	0.069278	1%	1.8734684	1.7905243	95.57%										
					Agricultural	0	0	0	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%										
					Commercial/Industrial-LT	44	0	44	2%	0.681	0	0.681	3%		0.186211	0	0.18621057	2%			0.2896285	0.281907	97.33%										
					Commercial/Industrial-HT	5	0	5	0%	5.5305	0	5.5305	21%		6.996687	0	6.99668688	83%			6.8719439	6.799026	98.94%										
					Others	4	0	4	0%	0.122	0	0.122	0%		0.113052	0	0.11305248	1%			0.1219471	0.120423	98.75%										
Sub-total					2079	0	2079	100%	26.3662	0	26.3662	100%	8.470334	8.401056	0	8.40105593	100%	0.069278	0.8%	9.1569879	8.9918803	98.20%	2.61%										
76	Total				Residential	2026	0	2026	97%	20.0327	0	20.0327	76%	8.470334	1.105106	0	1.105106	13%	0.069278	1%	1.8734684	1.7905243	95.57%										
					Agricultural	0	0	0	0%	0	0	0	0%		0	0	0	0%			0	0	0.00%										
					Commercial/Industrial-LT	44	0	44	2%	0.681	0	0.681	3%		0.186211	0	0.18621057	2%			0.2896285	0.281907	97.33%										
					Commercial/Industrial-HT	5	0	5	0%	5.5305	0	5.5305	21%		6.996687	0	6.99668688	83%			6.8719439	6.799026	98.94%										
					Others	4	0	4	0%	0.122	0	0.122	0%		0.113052	0	0.11305248	1%			0.1219471	0.120423	98.75%										
77	At company level				2079	0	2079	100%	26.3662	0	26.3662	100%	8.470334	8.401056	0	8.40105593	100%	0.069278	1%	9.1569879	8.9918803	98.20%	2.61%										

** 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

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Authorised Signatory and Seal

Name of Authorised Signatory: Bhushan Gujrathi



Name of the DISCOM: Nidar Utilities Panvel LLP

Full Address:- Corporate Office: 12th Floor, Knowledge Park, Hiranandani Business Park, Powai, Mumbai - 400 076.

Seal



Signature:-



Name of Energy Manager:
Registration Number:

Lokesh Chourasia
EA 18663

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

A. Summary of energy input & Infrastructure

S.No	Parameters	Q1- 1st April, 2023 to 30th June , 2023	Remarks (Source of data)
A.1	Input Energy purchased (MU)	8.64	Grossup Tr Losses on Import power except internal generation
A.2	Transmission loss (%)	3.28%	Losses % As declared by STU
A.3	Transmission loss (MU)	0.27	Tr. Losses on import power except internal generation
A.4	Energy sold outside the periphery(MU)	0.00	
A.5	Open access sale (MU)	0.00	
A.6	EHT sale	0.10	33 kv consumer sale
A.7	Net input energy (received at DISCOM periphery or at distribution point)-(MU)	8.47	Total import as per STU metrs + Internal generation by Solar net metering
A.8	Is 100% metering available at 66/33 kV (Select yes or no from list)	Yes	
A.9	Is 100% metering available at 11 kV (Select yes or no from list)	Yes	
A.10	% of metering available at DT	100%	All DTS fixed with Communicable MFM Meters
A.11	% of metering available at consumer end	100%	All cosumers are fixed with Smart meters - Communication network under
A.12	No of feeders at 66kV voltage level	0	No 66 Kv feeders
A.13	No of feeders at 33kV voltage level	4	Incoming feeders for in/Out power .Two feeders going to TATA aux consumption
A.14	No of feeders at 11kV voltage level	11	Distribution feeders
A.15	No of LT feeders level	8	LT Distribution feeders
A.16	Line length (ckt. km) at 66kV voltage level	0.00	No 66 Kv system available
A.17	Line length (ckt. km) at 33kV voltage level	0.40	Incoming from TATA S/S to NUPLLP S/S .
A.18	Line length (ckt. km) at 11kV voltage level	6.60	Main substation to distribution SS point
A.19	Line length (km) at LT level	18.14	Total length of LT cable laying under roof /Trench
A.20	Length of Aerial Bunched Cables	0.00	
A.21	Length of Underground Cables	25.14	
A.22	HT/LT ratio	0.385887541	

B. Meter reading of Input energy at injection points

S.No	Zone	Circle	Voltage Level	Division	Sub-Division	Sub-Station	Feeder ID	Feeder Name	Feeder Metering Status (Metered/unmetered/AMI/AMR)	Status of Meter (Functional/Non-functional)	Metering Date Date of last actual meter reading/ communication	Feeder Type (Agri/ Industrial/Mixed)	Status of Communication			Q1- 1st April, 2023 to 30th June , 2023							Sales(MU)	Remarks (Source of data)				
													% data received through automatically if feeder AMR/AMI	Number of hours when meter was unable to communicate in period	Total Number of hours in the period	Meter S.No	External CT ratio	Meter CT ratio	External PT ratio	Meter PT ratio	MF	Import (MU)			Export (MU)			
B.1	SLDC import DSM Meters	SLDC DSM Meters	33	33	33	TATA STU -HFC	-	NIDAR_33kV_IXORA_HI RCO-1	Metered	Functional	Jun-23	Mixed	100.00%	0.00	0	MSETCL 003951	800	1	300	1.00	240000.00	0.00		MSETCL Individual meters readings not accessible. Total imports				
B.2	SLDC import DSM Meters	SLDC DSM Meters	33	33	33	TATA STU -HFC	-	NIDAR_33kV_IXORA_HI RCO-3	Metered	Functional	Jun-23	Mixed	100.00%	0.00	0	MSETCL 003953	800	1	300	1	240000.00	0.00						
B.3	SLDC import DSM Meters	SLDC DSM Meters	33	33	33	TATA STU -HFC	-	NIDAR_33 kV_IXORA_ST-1	Metered	Functional	Jun-23	Mixed	100.00%	0.00	0	MSETCL 006284	400	1	300	1	120000.00	0.00						
B.4	SLDC import DSM Meters	SLDC DSM Meters	33	33	33	TATA STU -HFC	-	NIDAR_33 kV_IXORA_ST-2	Metered	Functional	Jun-23	Mixed	100.00%	0.00	0	MSETCL 006286	400	1	300	1	120000.00	0.00						
B.5	CDSS-E	CDSS-E	11	11	11	MRSS -HFC	-	K9/K25	METERED	Functional	Jun-23	Mixed	100.00%	0.00	0	XD497542	800	1	100	#VALUE!	80000.00	0.10	0.00		Solar Banked units which are received from netmeterin g on 11 kv NUPLLP bus			
B.13401	Total (MU)																			800000.00	8.47							
B.13402	Net input energy at DISCOM periphery (MU)																										8.47	

Color code	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
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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

Bhushan Gujrathi

Name of the DISCOM:

Nidar Utilities Panvel LLP

Full Address:-

Full Address:- Corporate Office: 12th Floor, Knowledge Park, Hiranandani Business Park, Powai, Mumbai – 400 076.

Signature:-



Name of Energy Manager*:

Lokesh Chourasia

Registration Number:

EA 18663



Details of Input Energy Sources

Q1- 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	BCIL	10 MW	Coal	Shot term (from July-23 to Jun-24)	Intra State	0.27	33 Kv	As per PPA GMR
2	VHPL-Hydro	3MW	Hydro	Shot term (from Feb-23 to Jun-24)	Intra State		33 KV	As per PPA VHPL

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/Others)	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	Rooftop solar	0.383 MW	Renewable	Net metering	Renewable Source	11	1.5	200	0.10	0	0	0	0	0	0	One of the consumer having Rooftop solar with 383 kWp . Showing Excess generation is exporting to grid after monthly bill adjustment according to net metering regulations. Month end banked units are considered as a input to Utility .

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(Details of Consumers)						
Summary of Energy						
Q1- 1st April, 2023 to 30th June , 2023						
S.No	Type of Consumers	Category of Consumers (EHT/HT/LT/Others)	Voltage Level (In kV) 220kV/132kV/ 110kV/66kV/33kV/ 22kv/20kV/11kV/6. 6kV/3kV/00.4kV/0. 23kV	No of Consumers	Total Consumption (In MU)	Remarks (Source of data)
1	Domestic	LT	440	2026	1.105106	As per monthly billing data
2	Commercial	LT	440	42	0.144542	As per monthly billing data
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					
8	Public Lighting					
9	HT Water Supply					
10	HT Industrial	HT	11000/33000	2	6.92598	As per monthly billing data
11	Industrial (Small)	LT	440	2	0.041669	Industry /As per monthly billing data
12	Industrial (Medium)					
13	HT Commercial	HT	11000	3	0.07070688	As per monthly billing data
14	Applicable to Government Hospitals & Hospitals					
15	Lift Irrigation Schemes/Lift Irrigation Societies					
16	HT Res. Apartments Applicable to all areas					
17	Mixed Load					
18	Government offices and department					
19	Others-1 (if any , specify in remarks)	LT	440	2	0.11179368	General (STP) /As per monthly billing data
20	Others-2 (if any , specify in remarks)	LT	440	1	0	Temporary /As per billing data
21	Others-3 (if any , specify in remarks)	LT	440	1	0.0012588	Vehicle Charging \As per billing data
22	Others-4 (if any , specify in remarks)					

(Details of Feeder-wise losses)

Q1- 1st April, 2023 to 30th June , 2023

SI No.	Zone	Name of the Circle	Name of the Division	Name of the Sub-division	Name of the Sub-Station	Feeder Code/ID	Feeder Name	Type of Feeder (Urban/Mixed/Industrial/Agricultural/Rural)	Type of feeder meter (AMI/AMR/Other)	Input Energy Received at Feeder (in MU)	Final Net Export at Feeder Level (In MU)	Feeder Consumption (In MU)	Billing Efficiency (%)	Billed Amount (in Rs. Lakhs)	Collected Amount (in Rs. Lakhs)	Collection Efficiency (%)	T&D losses (%)	AT&C losses (%)	% Data Received through Automatically (if feeder AMR/AMI)	Remarks
1	HFC	1	Newcastle	Newcastle	CDSS-E	6	PDPL	Mixed	Other	0.0035	0.0035	0.00	100.00%	1.92	1.94	101.25%	0.00%	-0.012486375		Metering at same BUS Hence no losses considered
2	HFC	YOTTA	YOTTA	YOTTA	MRSS	7	YOTTA	Indurty	Other	6.83	6.83	6.83	100.00%	658.31	642.09	97.54%	0.00%	0.024639461		Metering at same BUS Hence no losses considered
3	HFC	TATA	TATA	TATA	TATA-STU	8	TATA-AUX	Indus	AMR	0.15	0.15	0.15	100.00%	17.01	16.86	99.12%	0.00%	0.008837545		Metering at same BUS Hence no losses considered
4	HFC	MRSS	MRSS	MRSS	MRSS	5	MRSS AUX	Indus	Other	0.04	0.04	0.04	100.00%	2.844694	2.844700	100.00%	0.00%	-2.2498E-06		Metering at same BUS Hence no losses considered
5	HFC	RDSS-1	RDSS-1	RDSS-1&2	RDSS-1		RDSS-1&2	MIXED	Other	0.80	0.74	0.74	92.57%	120.49	120.49	100.00%	7.43%	0.074269027		RDSS 1 & 2 having Total 4 nos DTs(4 X 2.5 MVA). AS on date total load on the cumulative feeders is Just 300 KW. All the consumer feeders having 100% redundancy to serve the un interrupted load to consumers . All consumers fitted with smart merets whereas FDr and DTs mtrs are fitted with 0.5 CL commnicable MFM meters . Due to very low load(Unmeasurabe compared to FDR capacity) meters are not recording the such low quantum of power compared to installed FDR capacity . Hence we have considered calculated values in input energy at FDR s .
6	HFC	Sector-C	Sector-C	RDSS-3&4	RDSS-3&4		RDSS-3&4	MIXED	Other	0.65	0.65	0.65	100.00%	115.13	115.13	100.00%	0.00%	0		RDSS 3 & 4 having Total 2 nos DTs(2 X 2.5 MVA). AS on date total load on the cumulative feeders is Just 100 to 150 KW. All the consumer feeders having 100% redundancy to serve the un interrupted load to consumers . All consumers fitted with smart merets whereas FDr and DTs mtrs are fitted with 0.5 CL commnicable MFM meters . Due to very low load(Unmeasurabe compared to FDR capacity) meters are not recording the such low quantum of power compared to installed FDR capacity . Hence we have considered calculated values in input energy at FDR s .
													#DIV/0!		899.35	#DIV/0!	#DIV/0!	#DIV/0!		
													#DIV/0!			#DIV/0!	#DIV/0!	#DIV/0!		

Note : NUPLLP Is a DEEMED distribution licensee having total load as on date 3.8 MW . Only One Major HT -1 consumer consuming 3.4 MW and rest all 2078 consumers consuming 0.4 MW cumulatively . All the consumers FDRs are fitted with 100% redundancy. Due to very small load (No Occupacy by consumers) load charged from adjacent T/F to reduce the no load losses on the system (3 Nos T/F kept OFF in RDSS1 & 2). Hence above shown feeder consumption Vs Billed units are calculated values .




Details of DT-wise losses (please add more rows as per requirement)

Zone Name	Circle name	Division name	Name of the Sub division.	Name of the Substation	Substation Code	Name of the 11 kV Feeder	Feeder Code	Name of the Location where DT situated	DT code	DT Capacity (kVA)	Predominant consumer type of DT (Domestic/Industrial/Agriculture/Mixed)	Type of metering AMR/AMI/Communicable/Conventional meter/Unmetered.	Status of Meter-whether Functional (Yes/No)	% of data received automatically if AMR/AMI	No of Connected Consumers	Input Energy (MU) (A)	Billed Energy (MU) (B)	Loss (MU) (A-B)	%Loss (A-B)/A
HFC	RDSS1	Sector -A	RDSS-1	RDSS-1	RDSS-1	MRSS-K04	K04	Sector A	RDSS1/TF1	2500	MIXED	Communicable	Yes	Network mapping to SCADA under process	1113	0.787548	0.737168	0.050381	6.40%
HFC	RDSS1	Sector -A	RDSS-1	RDSS-1	RDSS-1	MRSS-K17	K17	Sector A	RDSS1/TF 3	2500	MIXED	Communicable	Yes						
HFC	RDSS2	Sector -A	RDSS-2	RDSS-2	RDSS-2	MRSS-K05	K05	Sector A	RDSS2/TF1	2500	MIXED	Communicable	Yes						
HFC	RDSS2	Sector -A	RDSS-2	RDSS-2	RDSS-2	MRSS-K18	K18	Sector A	RDSS2/TF2	2500	MIXED	Communicable	Yes						
HFC	RDSS3	Sector -C	RDSS3	RDSS3	RDSS3	MRSS-K13	K13	Sector A	RDSS3/TF1	2500	MIXED	Communicable	Yes		959	0.674131	0.649513	0.024618	4%
HFC	RDSS4	Sector -C	RDSS4	RDSS4	RDSS4	MRSS-K20	K20	Sector A	RDSS4/TF1	2500	MIXED	Communicable	Yes						
HFC	CDSS-E	Sector -A	CDSS-E	CDSS-E	CDSS-E	MRSS-K25	K04	Sector A	RDSS1/TF1	2500	MIXED	Communicable	Yes		1		0.01	-0.01	#DIV/0!
HFC	MRSS	MRSS	MRSS	MRSS	MRSS	MRSS-K12	K12	MRSS	MRSS-AUX1	315	Industrial	Communicable	Yes		1		0.03	-0.03	#DIV/0!
HFC	MRSS	MRSS	MRSS	MRSS	MRSS	MRSS-K12	K12	MRSS	MRSS-AUX1	315	Industrial	Communicable	Yes		Stand by Not charged				

Note : Very less load on the each DTs , NUPLLP provided internal loping and providing load from 2 nos DTs instead of 6 Nos . Above input energy details provided as per the MFM meters inputs reading(observed readings are not accurate due to less than 10% power flowing through the feeders) . Above shown 315 kVA DT loaded with only 10 KW load hence DT FDR meters not showing the values . Another 315 kVA not charged and kept for emergency requirement .

M. G. Sathish *Shanmugan*

Annexure - 1 : Proforma for Quarterly Consumer Category-wise Subsidy Billed/Received/Due for period 1st April, 2023 to 30th June , 2023

Note : There is no subsidy consumers are available in NUPLLP network .

Quarter-1

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.	
	Metered	Un- metered*	Total	Metered (out of col.2)	Un-metered* (Out of col.3)	Total	Metered Energy**	Un-metered Energy**	Metered Energy	Un-metered Energy	Total				
	(In kwh)			(In kwh)			(In Rs/Kwh)		(In Rs. Cr.)						
	1	2	3	4=2+3	5	6	7=5+6	8	9	10=5x8	11=6x9				12=10+11
Residential	1105106.00	0.00	1105106	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agriculture	0.00	0.00	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial/Industrial- LT	186210.57	0.00	186211	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial/Industrial- HT	6996686.88	0.00	6996687	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (Specify) WW	113052.48	0.00	113052	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	8401055.93	0.00	8401055.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

M. G. S. S. S. *Sharma*