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**Bhutan Power Corporation
Limited**



POWER DATA BOOK

2025

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LIST OF ABBREVIATIONS

ADSS	-	All Dielectric Self-Supporting
BHP	-	Basochhu Hydropower Plant
BPC	-	Bhutan Power Corporation Limited
BPSO	-	Bhutan Power System Operator
CHP	-	Chukha Hydropower Plant
D/C	-	Double Circuit
DG	-	Diesel Generator
DGPC	-	Druk Green Power Corporation Limited
DSP	-	Desuung Skilling Program
ESD	-	Electricity Services Division
GENCOs	-	Generating Companies
GWh	-	Gigawatt Hour
HV	-	High Voltage
KHP	-	Kurichhu Hydropower Plant
KM	-	Kilometer
kV	-	Kilovolt
kW	-	Kilowatt
kWh	-	Kilowatt Hour
LV	-	Low Voltage
MHPA	-	Mangdechhu Hydropower Plant
MU	-	Million Unit
MV	-	Medium Voltage
NHP	-	Nikachhu Hydropower Plant
OPGW	-	Optical Ground Wire
PDB	-	Power Data Book
PHP II	-	Punatsangchhu Hydropower Project
S/C	-	Single Circuit
SHP	-	Suchhu Hydropower Project
THP	-	Tala Hydropower Plant
TOMS	-	Transmission Operation and Maintenance Section



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Bhutan Power Corporation limited

(An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company)

Registered Office, Thimphu

Thimphu : Bhutan



EXECUTIVE SUMMARY

Bhutan Power Corporation (BPC) is pleased to publish the 'Power Data Book (PDB) 2025'. The PDB 2025 presents a comprehensive overview of BPC's operational performance, network expansion, and system status. The publication serves as a key reference for understanding trends in electricity demand, system performance, and infrastructure development.

In 2025, BPC continued to experience steady growth in electricity demand, with coincidental peak load rising to 1,477MW, representing an increase of approximately 43% compared to last year. BPC served a total of 262,234 customers, reflecting a 2.63% increase from the previous year and with workforce strength of 2,357 only. The growth rate of total assets was 1.82% in 2021, peaking at 22.95% in 2022, and reaching 20.07% in 2025. Total electricity sales reached 8,677.62 million units (MU), indicating a 21.79% growth, while energy purchases increased to 9,160.12 MU (21.34%) indicating sustained growth in domestic consumption. BPC also facilitated cross-border energy trade by wheeling 7,924.69 MU of electricity for export to India, contributing to regional energy cooperation. Financial ratios such as current ratio, quick ratio, and interest coverage ratio showed stability and improvement. Gearing ratio increased from 32.63% to 44.25%, and debt-equity ratio from 88.88% to 158.20%. Return on assets and equity improved, reaching 5.87% and 13.47% respectively in 2025.

In terms of electricity access and infrastructure, BPC accomplished 100% grid integration of previously off-grid systems and maintained 99.97% rural electrification, demonstrating its sustained commitment to prevalent electricity access and expansion.

As of December 2025, transmission line length reached to 1,847.12 KM with Transformation capacity reaching 3,848 MVA and distribution line length reaching 18,106.28 KM (33kV, 11kV, 6.6 KV and LV line) with transformation capacity of 1,708.121 MVA. The total Optical Ground Wire (OPGW) line length coverage reached 1,731.50 KM (table 7.1).

BPC also achieved improved power reliability, power quality and reduced global energy loss through continued system upgrade, modernization and digitization.

CHAPTER 1

OVERVIEW OF BPC SYSTEM PERFORMANCE AND INFRASTRUCTURE PROFILE

This chapter provides yearly performance over a five-year period as presented in Table 1.0. Energy Sale, Purchase and System Losses is presented in plot. Statistics on transmission and distribution infrastructures of BPC showing the complete technical data of transmission are presented in table from 1.1 to 1.4 and distribution network in table 1.5 to 1.7. Primary transmission voltages in Bhutan are 66kV, 132kV, 220kV and 400kV. Transmission voltages are stepped down or stepped up to suitable secondary voltages which are distributed or transmitted to the load centres. The distribution MV network comprises 33kV and 11kV lines. Some isolated segments of the network continue to use 6.6 kV circuits in a few places. The Low voltage (LV) system are at 415 volts (three phase) and 230 volts (single phase).

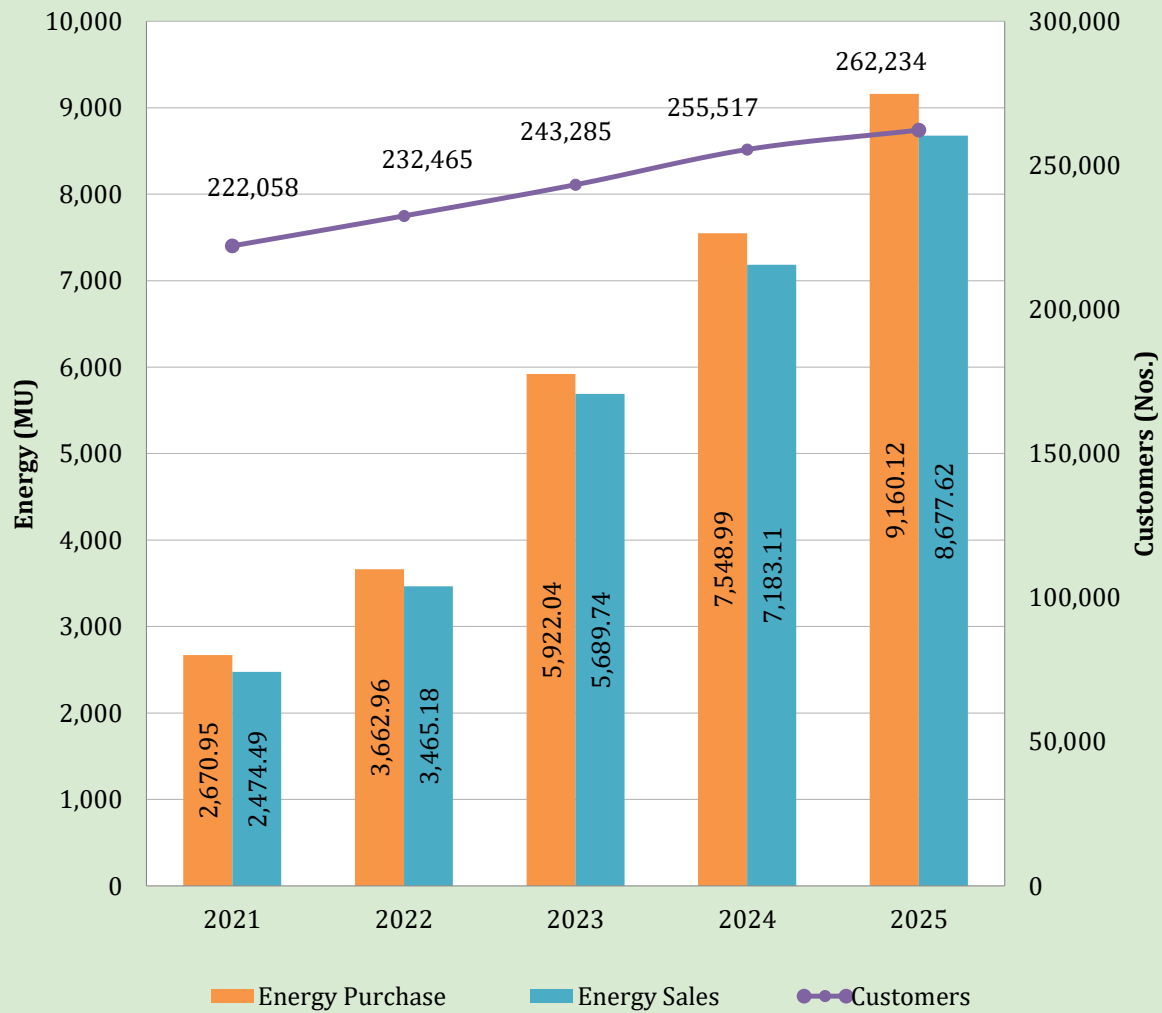
1.0 OVERVIEW OF BPC SYSTEM PERFORMANCE

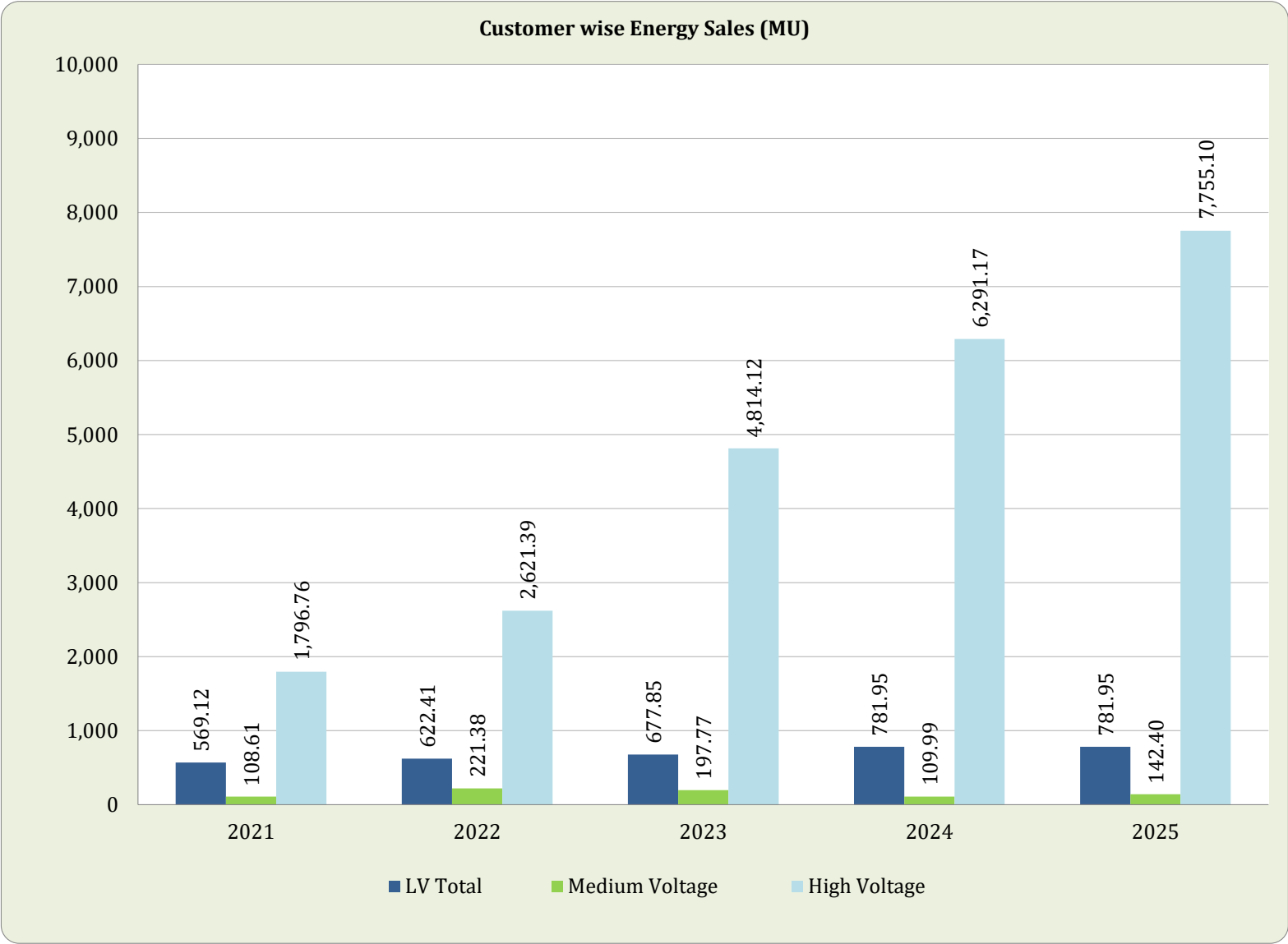
Table 1.0 : OVERVIEW OF BPC SYSTEM PERFORMANCE

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement (MU)					
	Purchase from Generating Companies by BPC	2,649.54	3,439.59	5,304.09	6,122.49	8,038.89
	Import of power		203.92	597.68	1,406.38	1,102.38
	Purchase from Solar			0.62	3.23	18.85
	Mini/Micro Hydel Generation	21.41	19.45	19.64	16.90	16.95
	Diesel Generation	0.00	0.00	0.01	0.000	0.000
	Import (From ASEB &WBESB) through DCSD	0.00	0.00	0.00	0.00	0.00
	Total	2,670.95	3,662.96	5,922.04	7,548.99	9,160.12
	% growth over previous year	24.00%	37.14%	61.67%	27.47%	21.34%
2	Purchase from TD by DCSD	2,518.12	3,535.59	5,744.01	7,231.69	8,786.76
	Energy purchased from TD (MV &LV)	719.59	912.49	931.29	927.17	1,032.59
	Energy purchased from TD (HV)	1,798.52	2,623.10	4,812.72	6,304.53	7,754.16
3	Energy Wheeled	8,074.27	7,240.21	5,135.06	5,456.44	7,924.69
4	Energy Sales in MU (Category Wise)					
	Rural Residential	146.15	161.29	170.23	194.11	194.11
	Rural Cooperatives	0.43	0.50	0.54	0.74	0.74
	Rural Micro Trade	2.62	2.84	2.89	2.99	2.99
	Rural Community Lhakhangs	2.54	2.71	2.94	3.48	3.48
	Highlanders	1.56	1.62	1.76	1.99	1.99
	Urban	168.22	182.13	189.28	215.12	215.12
	Religious Institutions	5.40	5.12	5.29	6.75	6.75
	Cottage and Small Scale Industries	7.15	8.03	9.28	9.71	9.71
	Commercial	59.02	67.25	77.54	97.43	97.43
	Industrial	8.07	8.71	10.10	11.48	11.48
	Agriculture	2.35	2.39	2.32	2.72	2.72
	Institutions	74.92	78.77	88.41	103.78	103.78
	Street lighting	5.15	5.49	6.01	6.45	6.45
	Power house auxiliaries	1.22	1.16	1.02	1.17	1.17
	Temporary connections	18.54	24.06	24.75	27.19	27.19
	Bulk	65.77	70.34	84.14	94.59	94.59
	EVCS			1.37	2.25	2.25
	LV Total	569.12	622.41	677.85	781.95	781.95
	Medium Voltage	108.61	221.38	197.77	109.99	142.40
	High Voltage	1,796.76	2,621.39	4,814.12	6,291.17	7,755.10
	Total Energy Sales	2,474.49	3,465.18	5,689.74	7,183.11	8,677.62
	% Growth over previous year	26.17%	40.04%	64.20%	65.34%	20.81%

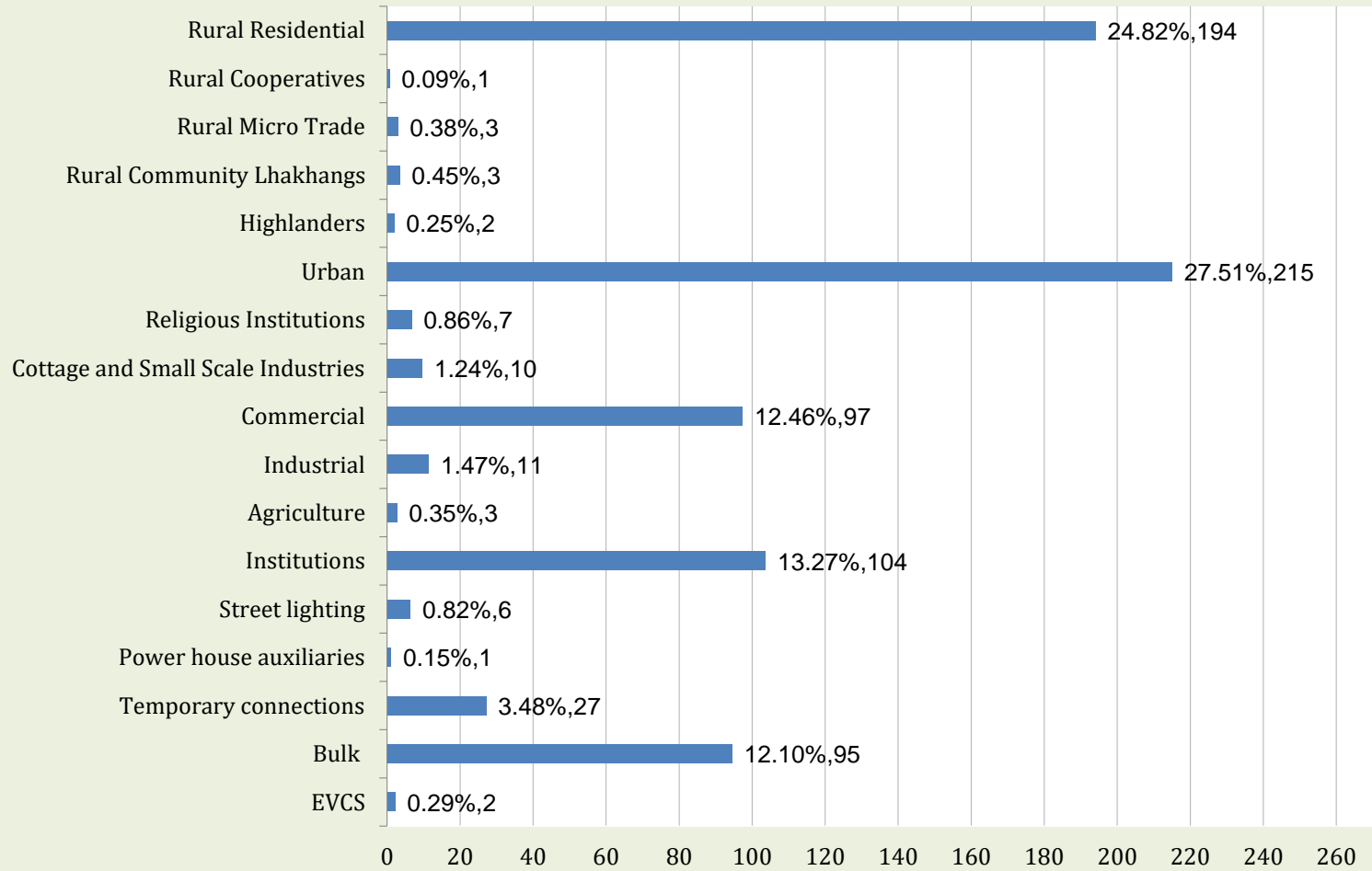
SN	Particulars	2021	2022	2023	2024	2025
4	Number of Customers (Categorywise)					
	Rural Residential	122,574	128,111	133,481	139,173	141,586
	Rural Cooperatives	454	489	554	584	605
	Rural Micro Trade	1,463	1,484	1,508	1,503	1,538
	Rural Community Lhakhangs	1,586	1,632	1,695	1,785	1,844
	Highlanders	1,385	1,478	1,631	1,656	1,732
	Urban	59,101	62,145	65,160	69,184	71,618
	Religious Institutions	719	707	754	777	840
	Cottage and Small Scale Industries	1,731	1,783	1,835	1,769	1,627
	Commercial	15,246	16,065	17,602	18,731	19,934
	Industrial	274	462	284	290	307
	Agriculture	2,906	3,190	3,174	3,276	3,334
	Institutions	9,042	9,283	10,242	11,140	11,636
	Street lighting	732	716	823	850	943
	Power house auxiliaries	47	81	48	48	51
	Temporary connections	3,953	4,067	3,636	3,876	3,734
	Bulk	751	683	721	728	741
	EVCS			40	51	56
	LV Total	221,964	232,376	243,188	255,421	262,126
	Medium Voltage	75	70	75	73	79
	High Voltage	19	19	22	23	29
	Total Customers	222,058	232,465	243,285	255,517	262,234
	% growth over previous year	3.95%	4.69%	4.65%	9.92%	2.63%
5	Loss (%)					
	Global System losses including Wheeling (%)	1.83%	1.81%	2.14%	2.15%	1.90%
	Transmission Loss including wheeling (%)	1.23%	1.21%	1.49%	1.49%	1.44%
	Distribution Losses including HV Industries (%)	2.30%	1.98%	1.35%	1.17%	0.91%
	Distribution Losses excluding HV Industries (%)	7.51%	7.30%	7.86%	8.05%	7.69%

Energy Purchase Vs Sales (MU) with Customer over past 5 years



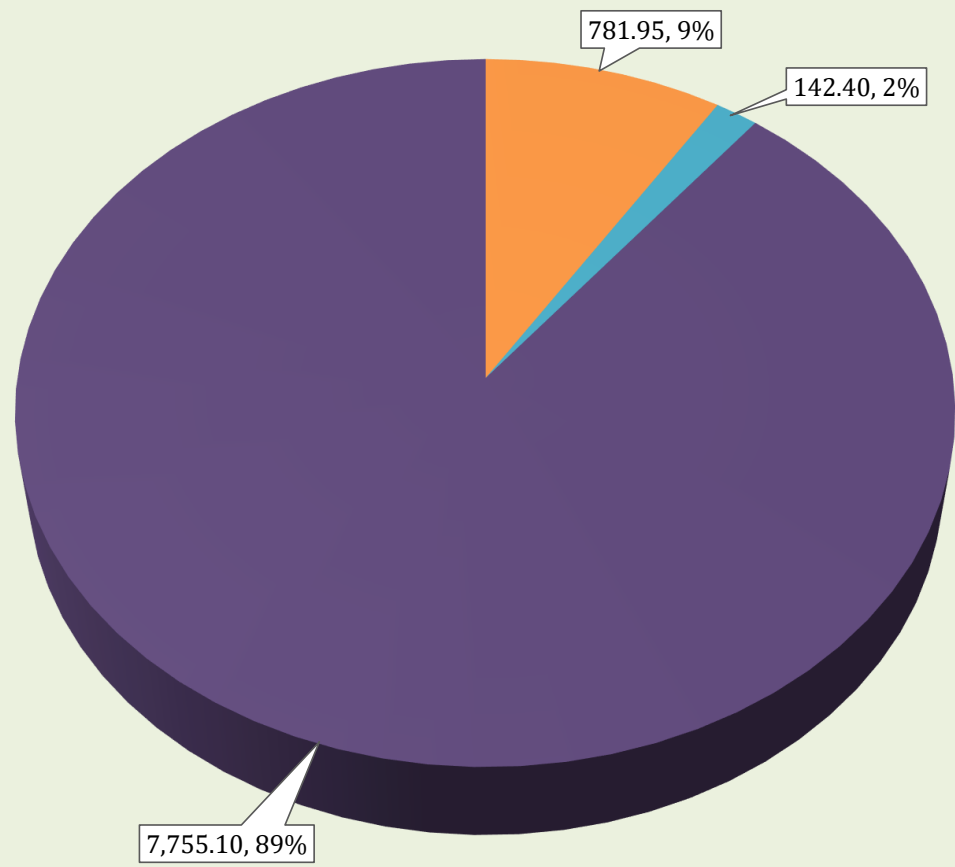


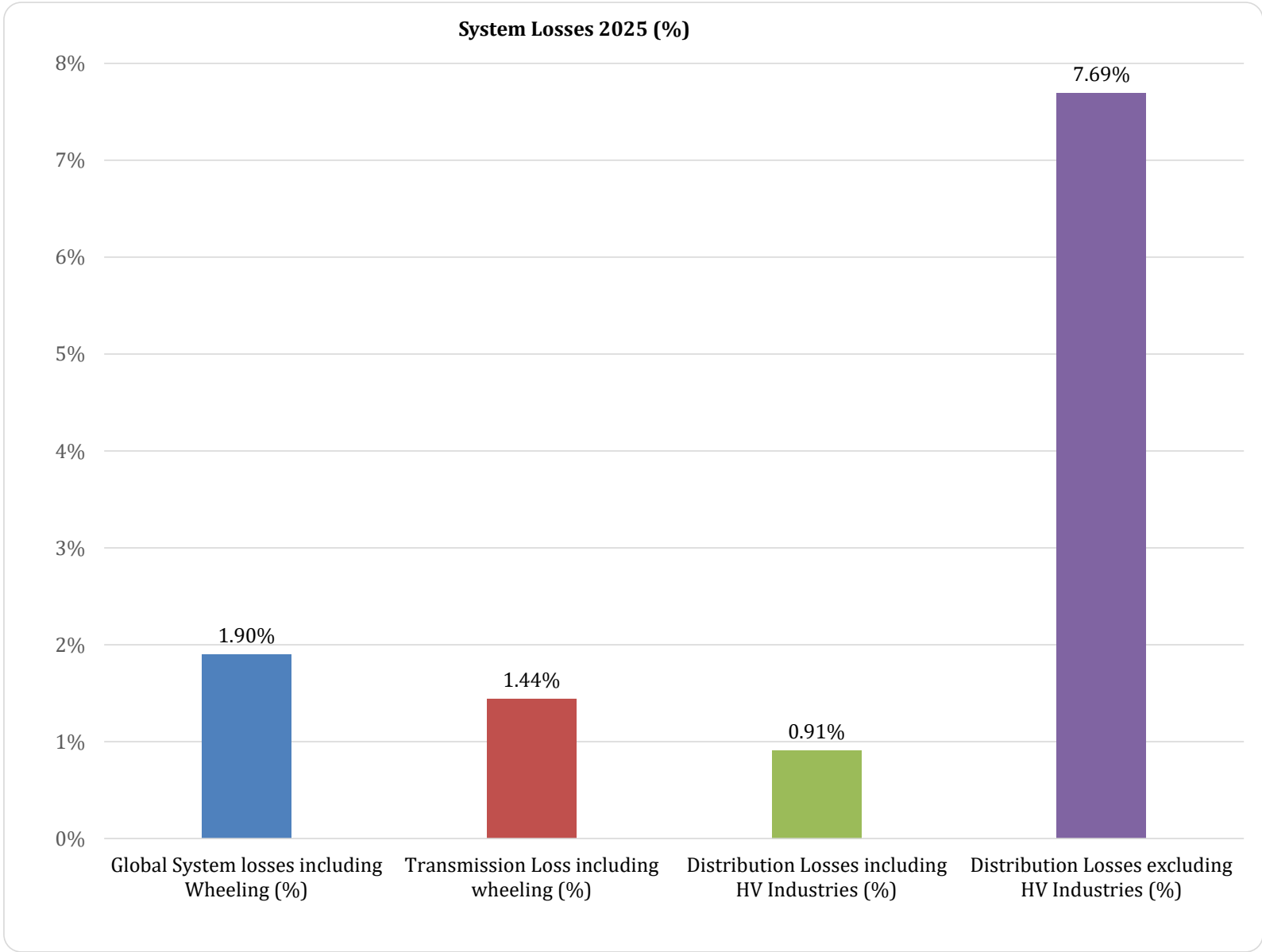
Energy Sales to LV Customers 2025 (MU)



Energy Sales 2025 (MU)

- LV Total
- Medium Voltage
- High Voltage





**1.1 MAJOR TRANSMISSION LINES (ROUTE LENGTH IN KM), SUBSTATION CAPACITY (MVA)
AND TOWERS NUMBERS**

**Table 1.1 : MAJOR TRANSMISSION LINES (ROUTE LENGTH IN KM), SUBSTATION
CAPACITY (MVA) AND TOWERS NUMBERS**

SN	Description	2021	2022	2023	2024	2025
A	Transmission Line Length (KM)					
1	400 kV (D/C) - Twin Moose	496.11	496.11	496.11	496.11	523.74
2	400kV Quad Moose ACSR	4.75	4.75	4.75	4.75	4.75
3	220 kV (S/C)	182.03	181.72	181.74	181.74	186.60
4	220 kV (D/C)	143.51	137.48	136.98	136.98	187.75
5	132 kV (S/C)	343.44	344.65	344.65	344.65	345.73
6	132 kV (D/C)	128.53	156.89	156.89	156.89	157.96
7	66 kV (S/C)	345.25	349.80	345.70	345.70	342.10
8	66 kV (D/C)	59.92	59.92	59.92	59.92	88.36
9	66 kV (Q/C)	3.41	3.41	3.41	3.41	3.41
10	UG	6.72	6.72	6.72	6.72	6.72
	Total	1,713.64	1,741.44	1,736.86	1,836.97	1,847.12
B	Transformation Capacity of Transmission Substation (MVA)	1,900.50	1,910.50	2,735.50	3,435.50	3,848.00
C	Transmission Towers (Nos)	4,869	4,925	4,946	5,050	5,089

1.2 MAJOR TRANSMISSION LINES (ROUTE LENGTH IN KM) AS OF DECEMBER 2025

Table 1.2: TRANSMISSION LINES AS ON DECEMBER 2025

SN	Transmission Line	Length as per tower schedule (km) 2025
I	400 kV	
A	D/C Twin	
1	400kV Tala-Khogla-Siliguri line-1 & 2	24.62
2	400kV Tala-Pugli-Siliguri line 3 & 4	49.53
3	400kV Pugli-Norbugang 1&2	27.63
4	400kV PHP-I-Lhamoizinkha-Alipurduar-1 & 2	93.38
5	400kV PHP-II-PHP-II line-1 & 2	13.03
6	400kV PHP-II-Alipurduar line-1 & 2	80.85
7	400kV Kamichhu-Jigmeling line-1 & 2	64.98
8	400kV Mangdechhu-Jigmeling line-1 & 2	85.07
9	400kV Mangdechhu-Jigmeling line-3 & 4	84.65
	Sub- total A	523.74
B	D/C Quad	
1	400kV Jigmeling-Alipurduar line-1 & 2	4.75
	Sub - total I	528.49
II	220 kV	
A	S/C	
1	220kV Chukha-Bitdeer Gedu	17.95
2	220kV Bitdeer Gedu-Malbase	11.62
3	220kV Malbase-Birpara	2.81
4	220kV Singhigaon-Dhamdum	1.46
5	220kV Chhukha-Jamjee	38.11
6	220kV Jamjee to Semtokha	21.42
7	220kV Semtokha-Rurichhu	44.90
8	220kV Rurichhu- Tsirang	48.33
	Sub- total A	186.60
B	D/C	
1	220kV Chukha-Birpara	35.46
2	220kV Chukha-Jamjee	34.95
3	220kV Malbase- Singhigaon	2.04
4	220kV Malbase-Dhamdum	41.64
5	220kV Dhamdum-Norbugang	6.45
6	220kV Dagachhu-Tsirang	23.14
7	220kV Tshendagang-Dagapela LILO	4.40
8	220kV Rurichhu-PHP-1 LILO	2.37
9	220kV Tsirang-Bitdeer Jigmeling	32.50
10	220kV Jigmeling-Bitdeer Jigmeling line 1&2	4.80
	Sub- total B	187.75
	Sub-total II	374.35

SN	Transmission Line	Length as per tower schedule (km) 2025
III	132 kV	
A	S/C	
1	132kV Kurichhu-Kilikhar	10.06
2	132kV Kilikhar-Kanglung	29.71
3	132kV Kilikhar-Lhuentse	42.80
4	132kV Kurichhu-Nangkhor	31.08
5	132kV Nangkhor-Deothang	23.67
6	132kV Nangkhor-Nganglam	33.69
7	132kV Nganglam-Tintibi	83.30
8	132kV Deothang-Motanga	10.45
9	132kV Nganglam- DCCL Line	1.08
10	132kV Motanga-Rangia	1.77
11	132kV Tintibi-Yurmoo	31.55
12	132kV Motanga-DML	0.53
13	132kV Gelephu-Tintibi	45.96
14	132kV Gelephu-Salakati	0.10
	Sub- total A	345.73
B	D/C	
1	132kV Jigmeling-Pelrithang (Lodrai)	10.39
2	132kV Jigmeling-Bitdeer Jigmeling	1.10
3	132kV Motanga-Phuntshothang	21.63
4	132kV Merung-Corlung LILO	18.68
5	132kV Kanglung-Phuntshothang (Single strung)	51.43
6	132kV Nganglam-Motanga (Single strung)	34.92
7	132kV Mangdechhu-Yurmoo	1.86
8	132kV Nikachhu-Mangdechhu	17.96
	Sub- total B	157.96
	Sub-total III	503.69
IV	66 kV	
A	S/C	
1	66kV Jamjee-Pangbesa	11.57
2	66kV Pangbesa-Haa	23.78
3	66kV Jamjee-Jemina	4.78
4	66kV Jamjee-Paro	22.46
5	66kV Changedaphu-Olakha	11.74
6	66kV Semtokha-Dechencholing	11.90
7	66kV Dechencholing-Damji	47.23
7	66kV Semtokha-Olakha	1.65
8	66kV Semtokha-Dochula	10.76
9	66kV Dochula-Lobeysa	15.87
11	66kV Gewathang-Basochhu	0.83
12	66kV Lobesa-Basochu	19.28
13	66kV Hebesa-Rurichhu	3.08
14	66kV Chhukha-Gedu	20.49
15	66kV Gedu-Phuentsholing	17.77

SN	Transmission Line	Length as per tower schedule (km) 2025
16	66kV Phuentsholing-Gomtu	27.35
17	66kV Malbase-Phuentsholing	8.69
18	66kV Dhamdum-Jamtsholing	27.08
19	66kV Yurmoo-Kewathang (charged at 33 kV)	20.94
20	66kV Yurmoo-Garpang (charged at 33 kV)	34.86
	Sub- total A	342.10
B	D/C	
1	66kV Jamjee-Pangbesa	3.74
2	66kV Jamjee-Jemina	6.60
3	66kV Jemina- Changedaphu	9.52
4	66kV Changedaphu-Olakha	16.16
5	66kV Jamjee-Paro	1.79
6	66kV Dhamdum-Gomtu	14.80
7	66kV Dhamdum-Jamtsholing-Norbugang	1.37
8	66kV Suchhu-Dhamdum	34.38
	Sub- total B	88.36
C	66 kV (Q/C)	
	66kV Malbase-Pasakha Multi Circuit	3.41
IV	Total Transmission Line length	1,840.40
V	HV Cable	
A	66kV UG Cables	
1	66kV Khasadrapchu-Olakha	1.00
2	66kV Pasakha Industrial Area	5.02
3	66kV Semtokha-Dochula (SW31 to Dochula Substation)	0.70
	Sub- total V	6.72
	GRAND TOTAL	1,847.12

Table 1.3 TRANSFORMATION CAPACITY OF HV SUBSTATIONS AS ON DECEMBER 2025

SN	Substation Location	Substation Type	Voltage Ratio (kV)	No. of trf	Transformer No. & Capacity (No. x MVA)	Maximum Capacity (MVA)	Section
1	Semtokha	AIS	220/66	2	2 x 50/63	176	TOMS Semtokha
			220/66	1	1 x 40/ 50		
			66/11	2	2 x 20		
2	Olakha	AIS	66/33	2	2 x 20	40	
3	Dechencholing	AIS	66/33	2	2 x 30	60	
			33/11	2	2 x 5		
4	Changedaphu	AIS	66/33	2	2 x 20	40	
5	Jemina	AIS	66/33	1	1 x 10	10	
			33/11	1	1 x 5		
6	Dochula	GIS	66/11	4	4 x 25	100	
7	Jamjee	GIS	220/33	3	3 x 80	300	
			220/66	2	2 x 30		
			66/33	2	2 x 5		
8	Paro	AIS	66/33	2	2 x 20	40	
9	Pangbesa	AIS	66/33	2	2 x 10	20	
			33/11	2	2 x 5		
10	Haa	AIS	66/11	2	2 x 5	10	
11	Lobeysa	AIS	66/33	2	2 x 5	20	
			66/11	2	2 x 5		
12	Damji	GIS	66/33	3	3 x 10	30	
13	Gewathang	AIS	66/33	2	2 x 10	20	
14	Gedu	AIS	66/33	2	2 x 6.3/8	26	
			66/11	2	2 x 4/5		
15	BitDeer Gedu	GIS	220/66	2	2 x 80	160	
16	Malbase	AIS	400/220/33	1	1 x 120/160/200	500	
			400/220	1	1 x 300		
			220/66	3	3 x 50/63		
			66/11	2	2 x 10		
17	Singhigaon	GIS	220/66	3	3 x 50/63	189	
			66/11	2	2 x 10		
18	Phuentsholing	GIS	66/33	2	2 x 30	60	
			33/11	2	2 x 5		
19	Gomtu	AIS	66/33	1	1 x 5	20	
			66/11	1	1 x 5		
			66/11	1	1 x 10		
20	Dhamdum	AIS	220/66	2	2 x 50/63	126	
			66/33	2	2 x 5		
21	Jamtsholing	AIS	66/33	2	2 x 15	30	
22	Norbugang	GIS	400/220	1	1 x 300	300	
			220/66	3	3 x 100		
			66/33	2	2 x 5		
23	Darjay	AIS	220/33	2	2 x 10	20	
24	Dagapela	AIS	220/33	2	2 x 40	80	

SN	Substation Location	Substation Type	Voltage Ratio (kV)	No. of trf	Transformer No. & Capacity (No. x MVA)	Maximum Capacity (MVA)	Section	
25	Gelephu	AIS	132/33	2	2 x 25	50	TOMS Jigmeling	
			33/11	2	2 x 10			
26	Jigmeling	GIS	400/220	1	1 x 500	500		
		AIS	220/132	2	2 x 63/80			
			132/33	1	1 x 15			
27	BitDeer Jigmeling	GIS	220/33	5	5 x 100	700		
			132/33	2	2 x 100			
28	Tintibi	AIS	132/33	2	2 x 3	6		TOMS Tintibi
			33/11	2	2 x 1.5			
29	Panbang	GIS	132/33	2	2x10	20		
30	Yurmoo	AIS	132/33	2	2 x 40	80		
31	Kilikhar	AIS	132/33	1	1 x 10	20	TOMS Gyelpozhing	
			33/11	2	2 x 2.5			
			132/33	1	1 x 10			
32	Kanglung	AIS	132/33	2	2 x 5	10		
			33/11	2	2 x 2.5			
33	Corlung	AIS	132/33	2	2 x 10	20		
34	Deothang	AIS	132/33	2	2 x 5	10	TOMS Deothang	
			33/11	2	2 x 2.5			
35	Nangkhor	AIS	132/33	2	2 x 5	10		
			33/11	2	2 x 2.5			
36	Nganglam	AIS	132/33	1	1 x 5	10		
			132/33	1	1 x 3			
			33/11	2	2 x 1.5			
37	Motanga	AIS	132/33	1	1 x 15	15		
38	Phuntshothang	AIS	132/33	2	2 x 10	20		
Total Capacity(MVA)				132		3,848.00		

Table 1.4 TRANSMISSION TOWERS AS OF DECEMBER 2025

SN	Line Section		Tower Type							Voltage (kV)	Conductor	Ckt
	From	To	A	B	C	D	SPL	Q	Total			
1	Tala	Khogla (direct)	-	9	12	14	13	-	48	400	Twin Moose ACSR	D/C
2	Tala-Pugli	Siliguri (with Malbase LILO)	-	28	27	34	15	-	104	400	Twin Moose ACSR	D/C
3	Pugli	Norbugang		3	10	22	11		46	400	Twin Moose ACSR	D/C
4	Puna I	Alipurduar 1 & 2	-	71	59	84	15	-	229	400	Twin Moose ACSR	D/C
5	Puna I	Puna II	-	17	11	8	1		37	400	Twin Moose ACSR	D/C
5	Puna II	Alipurduar 1 & 2	-	53	59	82	15	-	209	400	Twin Moose ACSR	D/C
6	Kamichhu	Jigmeling 1 & 2	-	39	41	67	-	-	147	400	Twin Moose ACSR	D/C
7	Mangdechhu	Jigmeling (Line A)		27	42	81	35		185	400	Twin Moose ACSR	D/C
8	Mangdechhu	Jigmeling (Line-B)		36	37	75	37		185	400	Twin Moose ACSR	D/C
9	Jigmeling	Alipurduar					12		12	400	Quad Moose ACSR	D/C
	Total 400 kV		-	283	298	467	154	-	1,202			
1	Chhukha	Bitdeer Gedu	-	29	12	14		-	55	220	Zebra ACSR	S/C
2	Bitdeer Gedu	Malbase		19	13	4			36	220	Zebra ACSR	S/C
3	Chhukha	Jamjee LILO		54	23	14	3		94	220	Zebra ACSR	S/C
4	Jamjee (LILO)	Semtokha		30	17	4	-		51	220	Zebra ACSR	S/C
5	Semtokha	Rurichhu	-	51	26	26	7	-	110	220	Zebra ACSR	S/C
7	Rurichhu	Tsirang	-	87	17	5	8	-	117	220	Zebra ACSR	S/C
8	Malbase	Birpara	-	2	3	2	-	1	8	220	Zebra ACSR	S/C
9	Singhigaon	Dhamdum	-	-	3	2	-	-	5	220	Zebra ACSR	S/C
10	Chhukha	Birpara	-	52	27	12	6	-	97	220	Zebra ACSR	D/C
11	Chhukha	Jamjee (New DC line)		33	34	12	10		89	220	Zebra ACSR	D/C
12	Malbase	Singhigaon		1	3	5	1		10	220	Zebra ACSR	D/C
13	Malbase	Dhamdum	-	40	29	35	2	-	106	220	Zebra ACSR	D/C
14	Dhamdum	Norbugang		5	4	3	8		20	220	Zebra ACSR	D/C
15	Tsirang	BitDeer Jigmeling	-	34	19	10	5	-	68	220	Zebra ACSR	D/C
16	BitDeer Jigmeling	Bitdeer Jigmeling		2		3			5	220	Zebra ACSR	D/C
17	Dagachhu	Tsirang	-	25	21	6	4	-	56	220	Zebra ACSR	D/C
18	Tshendengang	Dagapela (LILO)	-	8	7	5	-	-	20	220	Zebra ACSR	D/C
19	Rurichhu-PHP-1 LILO	PHPA (LILO)				3	4	-	7	220	Zebra ACSR	D/C
20	Chhukha	Jamjee (LILO)				5	1		6	220	Zebra ACSR	D/C
	Total 220 kV		-	472	258	170	59	1	960			

SN	Line Section		Tower Type							Voltage (kV)	Conductor	Ckt
	From	To	A	B	C	D	SPL	Q	Total			
1	Kurichhu	Kilikhar	-	6	9	10	3	-	28	132	Panther ACSR	S/C
2	Kilikhar	Kanglung	-	27	26	15	13	-	81	132	Panther ACSR	S/C
3	Kilikhar	Lhuentse	-	63	40	9	3	-	115	132	Panther ACSR	S/C
4	Kurichhu	Nangkhoh	-	52	14	25	7	-	98	132	Panther ACSR	S/C
5	Nangkhoh	Deothang	-	17	16	12	15	-	60	132	Panther ACSR	S/C
6	Nangkhoh	Nganglam	-	62	23	10	7	-	102	132	Panther ACSR	S/C
7	Nganglam	Tintibi	-	95	34	57	60	-	246	132	Panther ACSR	S/C
8	Gelephu	Tintibi	-	62	25	23	32	-	142	132	Panther ACSR	S/C
9	Gelephu	Salakati						1	1	132	Panther ACSR	S/C
10	Deothang	Montanga		9	1	4	16		30	132	Panther ACSR	S/C
11	Motanga	Rangia					6		6	132	Panther ACSR	S/C
12	Motanga	DML							4	132	Panther ACSR	S/C
13	Tintibi	Yurmoo	-	30	10	32	5	2	79	132	Panther ACSR	S/C
14	Jigmeling	Pelrithang (Lodrai)		13	2	5	8	-	28	132	Panther ACSR	D/C
15	Jigmeling	Bitdeer Jigmeling					6		6	132	Panther ACSR	D/C
16	Motanga	Phuntshothang		16	21	24			61	132	Panther ACSR	D/C
17	Merung	Corlung (LILO)	-	19	17	14	-	-	50	132	Panther ACSR	D/C
18	Nganglam	Motanga		27	42	23	2		94	132	Panther ACSR	D/C
19	Nganglam	DCCL		1		3	2		6	132	Panther ACSR	S/C
20	Kanglung	Phuntshothang		33	26	33	21		113	132	Panther ACSR	D/C
21	Mangdechhu	Yurmoo		2	4	1			7	132	Panther ACSR	D/C
22	Nikachhu	Mangdechhu		18	14	23			55	132	Panther ACSR	D/C
	Total 132 kV		-	552	324	323	206	3	1,412			
1	Jamjee	Pangbesa	1	16	7	8			32	66	Wolf ACSR	SC
2	Pangbesa	Haa	1	18	9	14	19	25	86	66	Wolf ACSR	SC
3	Jamjee	Jemina		21	6				27	66	Wolf ACSR	SC
4	Jamjee	Paro	-	42	20	16	-	-	78	66	Dog ACSR	SC
5	Changedaphu	Olakha	2	25	6	3			36	66	Wolf ACSR	SC
6	Semtokha	Dechencholing		34	2	3	5		44	66	Wolf ACSR	SC
7	Dechencholing	Damji	-	63	75	63	-	-	201	66	Wolf ACSR	SC
8	Semtokha	Olakha		2	1	4			7	66	Dog ACSR +HTLS	S/C
9	Semtokha	Dochula		18	4	8			30	66	Dog ACSR +HTLS	SC
10	Dochula	Lobeysa	-	24	11	14	2	-	51	66	Dog ACSR +HTLS	SC
11	Gewathang	Basochhu		2	2	1			5	66	Dog ACSR	SC

SN	Line Section		Tower Type							Voltage (kV)	Conductor	Ckt	
	From	To	A	B	C	D	SPL	Q	Total				
12	Lobeysa	Basochhu	1	44	16	10				71	66	Dog ACSR	SC
13	Hebesa Rurichhu	Rurichhu	-	7	1	6	-	-		14	66	Dog ACSR	S/C
14	Chhukha	Gedu	6	44	23		1			74	66	Dog ACSR	S/C
15	Gedu	Phuentsholing	2	49	17					68	66	Dog ACSR	S/C
16	Phuentsholing	Gomtu	-	39	30	23	3	-		95	66	Dog ACSR	S/C
17	Malbase	Phuentsholing	-	9	4	10	-	-		23	66	Dog ACSR	S/C
18	Dhamdum	Jamtsholing		42	39	14				95	66	Dog ACSR	S/C
19	Yurmoo	Kewathang (charged at 33 kV)	-	20	17	13	28			78	66	Wolf ACSR	S/C
20	Yurmoo	Garpang (charged at 33 kV)	-	93	14	13	6	8		134	66	Wolf ACSR	S/C
21	Pangbesa	Haa (LILO)					9			9	66	Wolf ACSR	D/C
22	Jamjee	Jemina		12	2	7		6		27	66	Wolf ACSR	D/C
23	Changedaphu	Jemina		20	7	8				35	66	Wolf ACSR	D/C
24	Jamjee	Paro (LILO)				7				7	66	Wolf ACSR	D/C
25	Dhamdum	Gomtu	-	19	22	12	-	-		53	66	Wolf ACSR	D/C
26	Dhamdum	Norbugang					4			4	66	Wolf ACSR	D/C
27	Malbase	Pasakha Industrial Area (multicircuit)	-	-	6	4	7			17	66	Panther ACSR	Quad
28	Suchhu	Dhamdum		15	40	61	2			118	66	Wolf ACSR	D/C
	Total 66 kV		13	678	381	322	86	39		1,519			
	Total		13	1,985	1,261	1,282	505	43		5,089			

A type tower- angle of deviation: 0-2 degree
B type tower- angle of deviation: 2-15 degree
C type tower- angle of deviation: 15-30 degree

D type tower- angle of deviation: 30-60 degree
SPL tower- Special tower
Q- Snow Zone tower

1.5 DISTRIBUTION LINES (ROUTE LENGTH IN KM) AND SUBSTATION CAPACITY (kVA)

TABLE 1.5 DISTRIBUTION LINES (ROUTE LENGTH IN KM) AND SUBSTATION CAPACITY (kVA)

SN	Description	2021	2022	2023	2024	2025
A	Distribution Lines					
1	33 kV	4,149.48	4,185.73	4,412.40	4,500.18	4,585.23
2	11 kV	2,686.44	2,696.46	2,786.77	2,901.71	3,181.86
3	6.6 kV	85.02	80.14	86.79	85.47	77.37
4	LV line	10,036.20	10,426.12	9,966.43	10,018.37	10,261.82
	Total Line length	16,957.14	17,388.44	17,252.39	17,505.73	18,106.28
B	Transformer capacity (kVA)	959,187	1,046,742	1,157,581	1,344,651	1,708,121

Table 1.6 DISTRIBUTION NETWORK (LINE LENGTH IN KM) AS OF DECEMBER 2025

SN	Dzongkhag	33 kV	11 kV	6.6 kV	Total MV line	Total LV line	Total Line length
1	Bumthang	104.60	98.52	10.03	213.15	212.11	425.26
2	Chhukha	355.30	297.20	-	652.50	1,039.00	1,691.50
3	Dagana	276.76	-	37.10	313.87	500.63	814.50
4	Haa	124.18	61.83	-	186.01	269.13	455.14
5	Lhuntse	100.80	183.43	-	284.23	301.70	585.93
6	Mongar	361.24	156.10	-	517.34	879.79	1,397.13
7	Paro	232.41	178.67	-	411.08	461.37	872.45
8	Pemagatsel	266.97	59.05	-	326.02	408.39	734.41
9	Punakha	268.50	32.10	-	300.60	400.27	700.87
10	Samtse	172.33	468.61	-	640.94	1,046.68	1,687.62
11	S/ Jongkhar	407.71	108.70	-	516.41	536.80	1,053.21
12	Sarpang	116.06	387.84	-	503.90	688.86	1,192.76
13	Thimphu	167.50	544.06	2.87	714.43	484.00	1,198.42
14	Trongsa	231.11	10.77	-	241.88	252.56	494.44
15	Trashigang	178.67	316.99	-	495.66	808.10	1,303.76
16	Trashigang	218.94	8.80	-	227.74	333.55	561.29
17	Tsirang	220.24	10.46	3.89	234.59	566.45	801.04
18	Wangdue	335.41	248.39	1.48	585.27	708.63	1,293.90
19	Zhemgang	446.50	10.34	22.00	478.84	363.81	842.65
	Total	4,585.23	3,181.86	77.37	7,844.46	10,261.82	18,106.28

Table 1.7 DISTRIBUTION SUBSTATION (kVA) AS OF DECEMBER 2025

SN	Dzongkhag	Voltage Ratio (kV)	Number of Transformers under BPC	Total Installed Capacity (kVA) under BPC	Remarks	Total No of Transformers Installed in the system (pvt. Xmers included)	Total Capacity (kVA)
1	Bumthang	33/11	4	10,000	Power Transformer	196	35,607
		33/6.6	-	-			
		33/0.240	1	63	Distribution Transformers		
		33/0.415	43	3,698			
		11/0.240	3	70			
		6.35/0.415	1	10			
		6.35/0.240	1	63			
		11/0.415	109	14,785			
		6.6/0.415	11	559			
		TOTAL	173	29,248			
		0.415/6.6	-	-	Generating Transformer (Ura) and Chumey . Asset with DGPC		
0.6/11	3	800					
TOTAL	176	30,048					
2	Chhukha	33/11	4	20,000	Power Transformer	577	173,442
		33/0.240	63	1,137	Distribution Transformers		
		33/0.415	153	7,378			
		11/0.415	174	54,994			
		11/0.240	5	74			
TOTAL	399	83,583					
3	Dagana	33/0.240	46	857	Distribution Transformers	253	17,895
		33/0.415	193	14,648			
		33/6.6	1	750			
		6.6/0.415	8	699			
		TOTAL	248	16,954			
0.415/6.6	1	250	Generating Transformer. Asset with DGPC				
TOTAL	249	17,204					
4	Sarpang	33/11	6	30,500	Power Transformer	351	76,828
		33/0.240	26	434	Distribution Transformer		
		33/0.415	15	1,681			
		11/0.240	25	373			
		11/0.415	223	25,035			
		TOTAL	295	58,023			
TOTAL	295	58,023					
5	Haa	33/11	1	2,500	Power Transformer	176	24,373
		33/0.240	30	453	Distribution Transformer		
		33/0.415	62	4,537			
		11/0.415	77	14,383			
TOTAL	170	21,873					

SN	Dzongkhag	Voltage Ratio (kV)	Number of Transformers under BPC	Total Installed Capacity (kVA) under BPC	Remarks	Total No of Transformers Installed in the system (pvt. Xmers included)	Total Capacity (kVA)
6	Lhuntse	33/11	2	3,000	Power Transformers	231	16,391
		33/0.240	74	1,680	Distribution Transformers		
		33/0.415	29	3,318			
		11/0.415	104	5,473			
		11/0.240	7	157			
		TOTAL	216	13,628			
TOTAL	216	13,628					
7	Mongar	33/11	1	2,500	Power Transformer	439	41,802
		33/0.240	93	1,580	Distribution Transformers		
		33/0.415	188	8,328			
		11/0.240	7	100			
		11/0.415	128	22,709			
		TOTAL	417	35,217			
0.415/11			Generating Transformer				
TOTAL	417	35,217					
8	Paro	33/11	7	30,000	Power Transformer	351	118,611
		33/0.240	31	427	Distribution Transformers		
		33/0.400	3	626			
		33/0.415	76	8,845			
		11/0.240	8	113			
		11/0.400	13	4,298			
		11/0.415	120	43,259			
		11/0.420	7	365			
11/0.433	26	4,807					
TOTAL	291	92,740					
9	Pemagatsel	33/11	3	6,500	Distribution Transformer	264	26,013
		33/0.240	82	1,942			
		33/0.415	106	5,730			
		11/0.415	53	5,622			
		11/0.240	1	16			
		TOTAL	245	19,810			
0.415/11			Generating Transformer for DG set				
TOTAL	245	19,810					
10	Punakha	33/11	1	2,500	Power Transformer	260	67,894
		33/0.240	39	1,253	Distribution Transformer		
		33/0.415	136	12,466			
		11/0.240					
		11/0.415	50	12,872			
TOTAL	226	29,091					

SN	Dzongkhag	Voltage Ratio (kV)	Number of Transformers under BPC	Total Installed Capacity (kVA) under BPC	Remarks	Total No of Transformers Installed in the system (pvt. Xmers included)	Total Capacity (kVA)
11	Samtse	33/11	5	18,500	Power Transformer	768	414,741
		33/0.240	34	544	Distribution Transformer		
		33/0.415	124	5,340			
		11/0.240	57	840			
		11/0.415	417	47,991			
TOTAL	637	73,215					
12	S/ Jongkhar	33/11	4	8,000	Power Transformer	431	69,099
		33/0.240	138	2,867	Distribution Transformers		
		33/0.415	150	15,888			
		11/0.415	77	16,770			
		11/0.240	2	26			
TOTAL	371	43,551					
13	Thimphu	33/11	21	109,800	Power Transformer	679	462,491
		33/0.415	58	16,140	Distribution Transformer		
		33/0.400	12	603			
		11/0.433	45	13,389			
		11/0.420	15	755			
		11/0.415	268	155,560			
		11/0.400	65	26,057			
		6.35/0.220	2	41			
		6.35/0.233	1	63			
		6.35/0.240	6	188			
		TOTAL	493	322,596			
0.415/11			Generating Transformer				
TOTAL	493	322,596					
14	Trongsa	33/11	2	5,000	Distribution Transformers	168	20,924
		33/0.415	117	10,235			
		33/0.240	26	362			
		11/0.415	17	4,263			
		TOTAL	162	19,860			
15	Trashigang	33/11	4	10,000	Power Transformer	332	39,105
		33/0.230	24	605	Distribution Transformers		
		33/0.415	45	2,827			
		11/0.230	3	36			
		11/0.415	242	22,896			
TOTAL	318	36,364					

SN	Dzongkhag	Voltage Ratio (kV)	Number of Transformers under BPC	Total Installed Capacity (kVA) under BPC	Remarks	Total No of Transformers Installed in the system (pvt. Xmers included)	Total Capacity (kVA)
16	Trashiyangtse	33/0.415	138	10,226	Distribution Transformer	195	14,695
		33/0.240	38	523			
		11/0.415	7	495			
		TOTAL	183	11,244			
		0.415/33	1	400	Generating Transformer		
		33/11	1	500			
TOTAL	185	12,144					
17	Tsirang	33/0.415	193	15,104	Distribution Transformer	259	18,209
		33/0.240	55	901			
		11/0.415	5	863			
		11/0.240	2	41			
		6.6/0.415	1	50			
		TOTAL	256	16,959			
		0.415/6.6	1	250	Generating Transformer		
		6.6/33	1	250	Interconnecting Transformer		
TOTAL	258	17,459					
18	Wangdue	33/11	2	5,000	Power Transformer	373	53,398
		33/0.240	37	933	Distribution Transformers		
		33/0.415	129	12,109			
		11/0.240	7	118			
		11/0.415	167	23,610			
		TOTAL	342	41,770			
19	Zhemgang	33/6.6	1	1,500	Power Transformer	282	16,603
		11/6.6	1	500			
		33/0.240	140	2,668	Distribution Transformer		
		33/0.415	99	7,778			
		11/0.415	6	264			
		6.6/0.415	23	2,040			
		TOTAL	270	14,750			
		0.415/6.6			Generating Transformer. Takeh by DGPC		
TOTAL	270	14,750					
Total		5,720	982,926		6,585	1,708,121	

CHAPTER 2

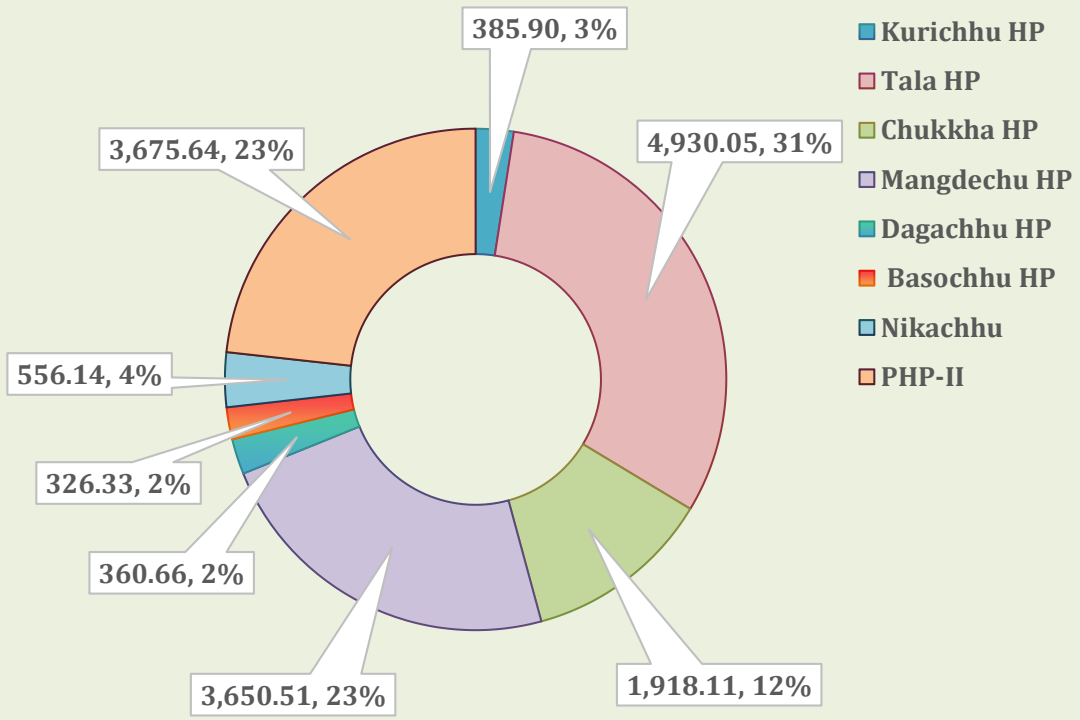
POWER GENERATION AND SUPPLY

This chapter provides information on power generation by Generating plants of DGPC (Druk Green Power Corporation), other Domestic Hydro/Solar/Wind Generatros and also indicates energy export from Bhutan. Detail presented in Table 2.1.

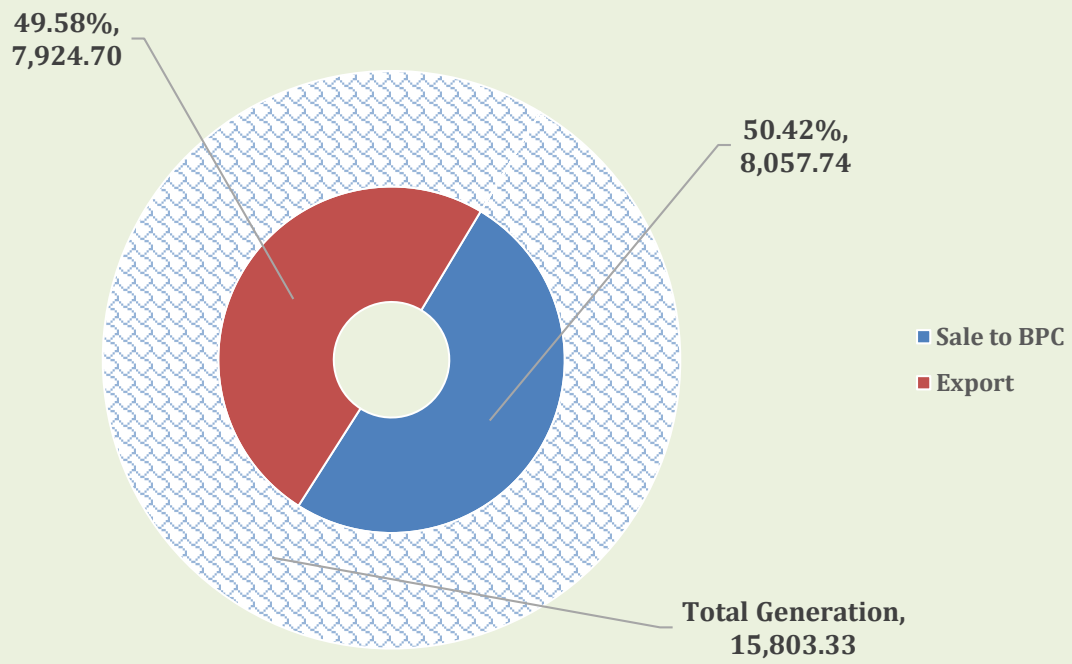
Table 2.1 Major Hydropower Generation, Embedded Generations and Solar Power(MU)

Plant	Particulars	2021	2022	2023	2024	2025
4x15MW Kurichhu HP	Generation	386.29	407.92	385.84	393.33	385.90
	Export to India	46.93	19.7	26.1	0.00	106.63
6x170 MW Tala HP	Generation	4,619.77	4,539.01	4,454.24	4,642.17	4,930.05
	Export to India	2,761.82	2,384.83	1,235.42	809.04	1,987.50
4x84 MW Chhukha HP	Generation	1966.308	1,915.92	1,775.37	1,770.94	1,918.11
	Export to India	1,835.82	1,624.87	967.14	1,035.89	1,231.84
2x12MW & 2x20MW Basochhu HP	Generation	339.17	354.59	311.38	303.10	326.33
	Export to India			40.92	159.34	132.40
4x180MW Mangdechhu HP	Generation	2,988.89	3,084.96	3,145.05	3,564.59	3,650.51
	Export to India	2,944.29	2,772.89	2,435.53	2,590.21	2,850.94
2x126 MW Dagachhu HP	Generation	499.87	451.65	444.14	449.18	360.66
	Export to India	485.41	437.49	429.95	430.13	351.09
2x59 MW Nikachhu HP	Generation				513.15	556.14
	Export to India				431.83	435.95
6x170MW PHP-II HP	Generation					3,675.64
	Export to India					815.65
20MW, Suchhu HP	Generation					41.09
	Export to India					12.69
Embedded generation (mini/micro hydro, wind)	Generation					16.95
22.3MW, Sephu Solar Plant	Generation					9.90
DSP Solar Plant	Generation					7.55
TOTAL	Actual Generation:	10,800.30	10,754.05	10,516.02	11,636.46	15,803.33
	Energy Purchase by BPC from DGPC:	2,649.54	3,654.00	5,323.73	6,142.61	8,057.74
	Energy Wheeled by BPC:	8,074.27	7,240.21	5,135.06	5,456.44	7,924.70

Energy Generation 2025 (MU)



Energy Distributions (MU) 2025



CHAPTER 3
ENERGY PURCHASE, IMPORT AND WHEELED

BPC purchases electricity from domestic power generators including DGPC, MHPA, DSP Solar, PH-II, NHP, Succhu HP, Sephu Solar and embedded generators. BPC also imports electricity from India during the lean seasons to meet domestic demand requirements. However, during 2025, energy imports have reduced due to the addition of more domestic generation sources into BPC power network. After meeting Bhutan's internal demand, all surplus power generated by the Domestic Power Generators are exported to India. The data on energy wheeled for the export of excess power is also included.

Table 3.1 ENERGY PURCHASED FROM GENCOS BY BPC (MU)

SN	Generation Plant	2021	2022	2023	2024	2025
1	KHP	2,649.54	3450.08	5297.40	6025.74	4123.85
2	THP					
3	CHP					
4	BHP					
5	MHPA					
6	DSP Solar					
7	PHP-II					
8	Embeded Generation			26.32	16.90	16.94
9	NHP				99.98	132.57
10	Succhu HP					28.70
11	Sephu Solar					11.30
12	Import from India		203.92	597.68	1406.38	1102.38
	Total	2,649.54	3654.00	5921.40	7548.99	9160.11

Table 3.2 ENERGY TRANSFERRED BY TD TO DCSD (MU)

SN	DZONGKHAG	2021	2022	2023	2024	2025
1	Chhukha	1,230.07	1,297.04	1,853.70	2,762.86	2,717.30
2	Haa	16.04	17.23	16.65	16.70	17.51
3	Paro	59.04	98.31	128.97	83.70	86.73
4	Punakha	25.66	53.59	159.62	190.32	169.93
5	Samtse	80.49	67.74	94.69	99.83	459.90
6	Thimphu	585.37	944.53	1,924.23	2,524.00	2,485.41
7	Wangdue	48.79	46.41	49.63	50.67	42.42
8	Tsirang	9.68	10.39	10.65	12.04	13.61
9	Dagana	27.68	296.53	500.43	474.94	414.84
10	Sarpang	35.30	38.34	48.13	52.73	1,218.21
11	Mongar	16.14	17.69	17.74	17.88	18.91
12	Pemagatsel	91.68	93.68	90.02	82.17	90.62
13	Samdrupjongkhar	221.21	235.83	240.20	242.52	366.32
14	Trashigang	16.16	17.75	14.68	16.96	17.10
15	Zhemgang	5.16	5.95	6.60	7.69	8.01
16	Lhuntse	5.65	6.41	7.47	7.99	7.63
17	Trongsa	37.05	254.89	559.70	530.57	528.70
18	Bumthang			12.49	10.61	8.18
19	Trashiyangtse	6.95	9.22	8.40	8.74	13.23
	Total	2,518.12	3,511.52	5,743.97	7,192.92	8,684.56

3.3 ENERGY WHEELED (MU)

SN	Plant	2021	2022	2023	2024	2025
1	Chukkha HP	1,835.82	1,624.87	967.13	1,035.89	1,231.84
2	Kurichhu HP	46.93	19.70	26.10	0.00	106.63
3	Tala HP	2,761.82	2,384.83	1,235.42	809.04	1,987.50
4	Dagachhu HP	485.41	437.91	429.95	430.13	351.09
5	Mangdechhu HP	2,944.29	2,772.89	2,435.53	2,590.21	2,850.94
6	Basochhu HP			40.92	159.34	132.40
7	Nikachhu HP				431.83	435.95
8	PHP-II					815.65
9	Suchhu					12.69
10	Import from India					1,102.38
	Total wheeled:	8,074.27	7,240.21	5,135.06	5,456.44	7,924.69
	Total wheeled including import from India:	8,074.27	7,240.21	5,135.06	5,456.44	9,027.07

CHAPTER 4 PEAK DEMAND

This chapter shows the national coincidental peak load and the transmission substation wise peak load from 2021 to 2025. The Coincident peak load during 2025 has increased by more than 450.56 MW from last year as shown in Table 4.1. BitDeer Jigmeling had the highest peak consumption with 428.16 MW followed by 220 kV Jamee with 194.38 MW respectively as shown in Table 4.2.

Table 4.1 NATIONAL COINCIDENTAL LOAD (MW)

SN	Particulars	2021	2022	2023	2024	2025
1	Load	435.35	629.23	955.51	1026.44	1477
2	Date and Month	27-Dec	28-Dec	30-Dec	25-Dec	8-Nov
3	Time	18:02	18:00	18:00	18:38.16	19:00:00

Table 4.2 SUBSTATION WISE PEAK LOAD (MW)

SN	Substation	2021	2022	2023	2024	2025
1	Semtokha	19.16	19.28	17.25	17.35	20.98
2	Olakha	38.14	38.61	36.18	37.49	35.96
3	Dechencholing	38.06	39	28.65	42.57	41.9
4	Changedaphu	3.05	11.28	13.07	17.19	27.15
5	Jemina	5.45	9.9	7.36	7.08	7.06
6	Jamjee			177.75	192.04	194.38
7	Paro	16.41	17.74	19.27	22.06	23.1
8	Pangbesa	2.78	12.59	14.26	11.66	8.16
9	Haa	3.49	3.53	9.6	6.92	4.59
10	Dochula	66.69	66.18	84.33	66.22	64.61
11	Lobeysa	12.33	12.31	14.03	15.02	16.19
12	Damji	2.13	5.44	22.11	21.69	19.77
13	Gewathang					4.85
14	Gedu	4.34	17.39	17.59	8.25	4.59
15	BitDeer Gedu			153.66	149.1	147.5
16	Malbase	94.82	137.17	115	92.8	122.06
17	Singhigaon	117	100.2	111.3	170.1	132.84
18	Phuentsholing	7.39	7.38	9.37	10.08	11.76
19	Gomtu	14.13	13.49	16.92	6.14	8.531
20	Dhamdum	6.61	14.6	6.99	8.98	73.4
21	Jamtsholing				3.76	11.49
22	Norbugang					151.41
23	Darjay	4.7	9.66	6.5	4.43	5.26
24	Dagapela	16.73	54.35	67.1	61.2	62.22
25	Jigmeling	0	0.6	4.1	6.57	3.71
26	Gelephu	10.2	12.6	16	11.44	14.09
27	BitDeer Jigmeling					428.16
28	Tintibi	1.66	3.48	1.98	2.07	2.34
29	Yurmoo	10.5	73.9	79.6	73.92	73.4
30	Panbang					
31	Kilikhar	6.31	7.43	7.05	7.16	8.032
32	Corlung	2.2	2.89	2.75	2.63	4.53
33	Kanglung	7.71	7.26	5.62	9.68	6.648
34	Nangkhor	2.87	3.21	2.91	3.04	3.4
35	Nganglam	18.81	20.73	6.66	19.9	18.2
36	Deothang	2.8	3.3	2.61	3.24	2.28
37	Motanga	31.38	30.92	30.93	38.64	54.26
38	Phuntshothang	1.7	2.25	14.26	10.08	2.61

CHAPTER 5

ESD-WISE SYSTEM PERFORMANCE

This chapter provides information/data on the dzongkhag-wise system performance and thier growth in terms of power demand. This includes the energy requirement/sale of the each Dzongkhag along with energy purchased from DGPC, DG generation and import of power from India. The pattern of daily load profile during a typical summer and winter are also presented in this chapter to comprehend the load curve. Energy sales are segmented into client categories. The numbers of customers in each category are are also mentioned. The losses in each district are determined using the energy demand and energy sales which are presented in Table 5.1 to table 5.19.

The Figure shows the Dzongkhag wise performance (Loss vs Customers) during 2025.

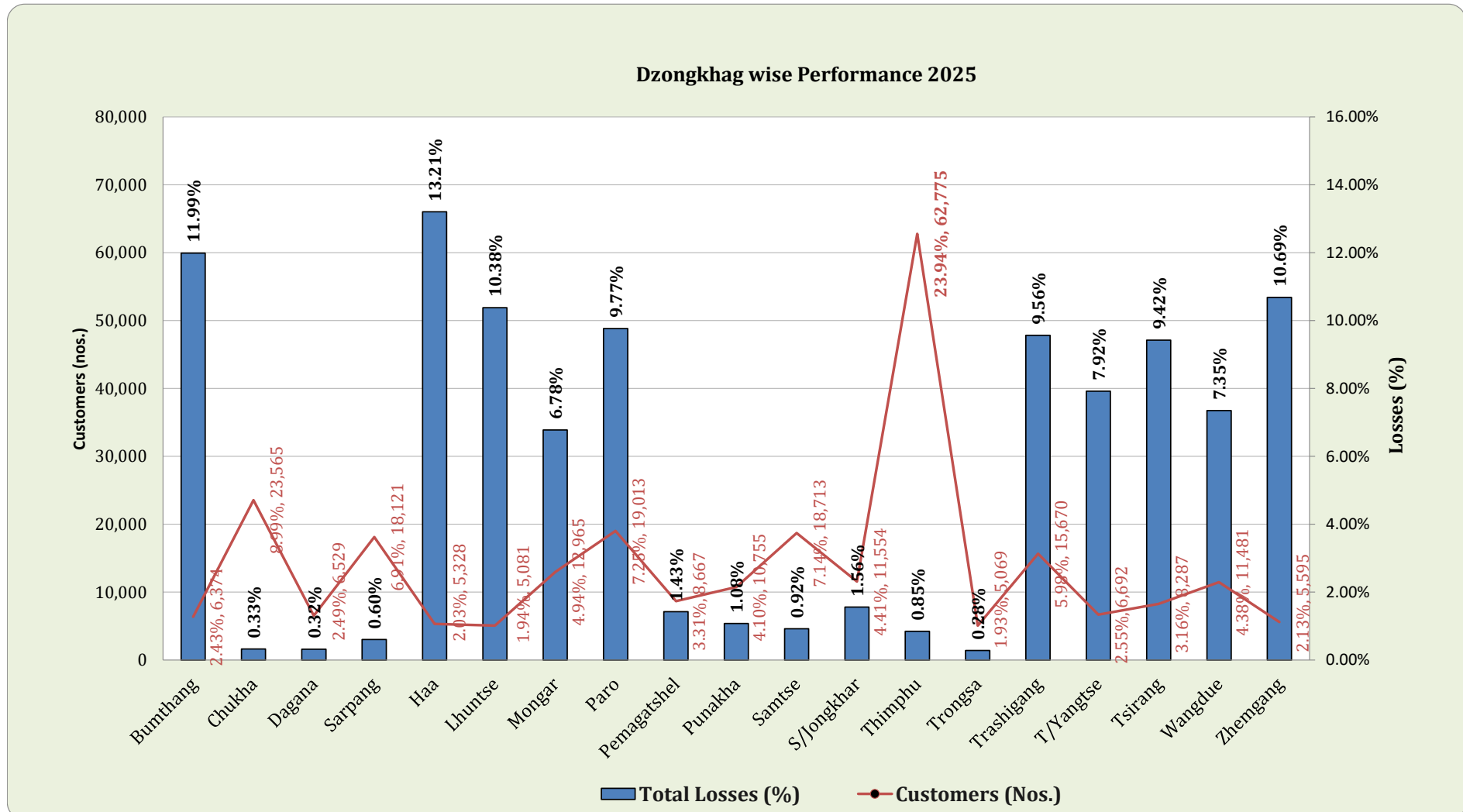


Table 5.1. BUMTHANG

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD			12,486,224.80	10,614,849.20	8,180,610.84
ii)	Mini/Micro Hydel Generation	5,179,655.38	15,377,176.87	5,242,559.45	4,408,400.00	4,427,600.00
iii)	Diesel Generation	-	-	-	-	-
iv)	Net Import from Trongsa	8,916,137.79		787,150.00	2,751,100.00	6,647,010.00
v)	Net Export to Trongsa	(515,394.05)	(318,650.00)	(1,749,450.00)	(2,650.00)	(63,647.00)
	Total	13,580,399.12	15,058,526.87	16,766,484.25	17,771,699.20	19,255,220.84
	% growth over previous year	0.05	0.11	0.11	0.06	0.08
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	3,088,286.00	3,553,559.37	3,750,519.80	3,867,473.83	4,163,905.00
ii)	Rural Cooperatives	17,403.00	21,964.00	20,114.00	23,270.00	26,111.00
iii)	Rural Micro Trade	40,851.00	44,587.00	42,450.00	42,164.00	36,733.00
iv)	Rural Community Lhakhangs	156,327.00	195,558.00	198,383.00	188,564.00	194,544.00
v)	Highlanders	-	-	-	-	-
vi)	Urban	2,579,952.00	2,744,902.98	2,831,084.02	3,035,119.12	3,565,043.00
vii)	Religious Institutions	848,270.00	795,423.00	871,166.00	965,111.00	962,442.00
viii)	Cottage and Small Scale Industries	686,143.00	713,128.00	736,610.00	707,047.00	527,455.00
ix)	Commercial	639,314.00	714,545.41	798,629.59	796,537.00	866,235.00
x)	Industrial	29,904.00	24,575.00	20,686.00	21,923.00	29,471.00
xi)	Agriculture	64,609.00	59,006.00	21,926.00	39,862.00	28,924.00
xii)	Institutions	1,663,551.00	1,642,777.87	1,881,378.13	2,047,399.00	2,085,360.00
xiii)	Street lighting	36,421.00	100,388.00	111,045.00	111,398.00	109,281.00
xiv)	Power house auxiliaries	20,019.00	22,503.00	19,021.00	20,900.00	29,259.00
xv)	Temporary connections	322,733.00	355,686.00	472,587.00	408,465.00	415,703.00
xvi)	Bulk	1,956,100.00	2,243,294.00	3,212,665.00	3,417,498.00	3,803,150.00
xvii)	EVCS (Electric Vehicle charging station)			10,998.00	7,655.00	15,420.00
xviii)	Rooftop solar					23,857.00
	LV Total	12,149,883.00	13,231,897.63	14,988,264.54	15,700,385.95	16,882,893.00
xviii)	Medium Voltage					
ix)	High Voltage					
	Total Energy Sales	12,149,883.00	13,231,897.63	14,988,264.54	15,700,385.95	16,946,540.00
	% growth over previous year	4.87%	8.91%	13.27%	4.75%	7.94%
3	Number of Customers					
i)	Rural Residential	2,778	2,956	3,184	3,251	3,382
ii)	Rural Cooperatives	51	55	58	59	61
iii)	Rural Micro Trade	31	31	33	33	32
iv)	Rural Community Lhakhangs	93	94	96	98	103
v)	Highlanders	-	-	-	-	-
vi)	Urban	1,419	1,478	1,616	1,721	1,843
vii)	Religious Institutions	45	46	49	48	45
viii)	Cottage and Small Scale Industries	177	189	189	133	103
ix)	Commercial	251	257	264	242	240
x)	Industrial	13	14	14	14	13
xi)	Agriculture	32	35	34	38	35
xii)	Institutions	210	219	228	222	216
xiii)	Street lighting	12	15	15	15	16
xiv)	Power house auxiliaries	4	4	4	4	4
xv)	Temporary connections	147	197	231	258	174
xvi)	Bulk	105	105	110	107	106
xvii)	EVCS (Electric Vehicle charging station)			2	1	1
	LV Total	5,368	5,695	6,127	6,244	6,374
ix)	Medium Voltage					
x)	High Voltage					
	Total Customers	5,368	5,695	6,127	6,244	6,374
	% growth over previous year	4.97%	6.09%	7.59%	9.64%	2.08%
4	Total Loss (%)	10.53%	11.88%	9.51%	11.66%	11.99%

Table 5.2: CHHUKHA

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	1,230,069,319.00	1,300,027,355.92	1,853,698,840.49	2,762,861,231.40	2,717,302,288.48
ii)	Mini/Micro Hydel Generation	-	-	-	-	-
iii)	Diesel Generation	-	-	-	-	-
iv)	Import	1,798,603.48	-	3,602,578.00	5,242,086.17	5,264,177.09
v)	Export	(450,790.38)	(262,963.75)	-	(889,920.00)	(1,519,100.00)
vi)	HV Purchase	1,139,872,100.00	1,183,048,227.00	1,671,545,581.00	2,642,886,040.29	2,584,491,260.86
	Total	1,231,417,132.10	1,299,764,392.17	1,857,301,418.49	2,767,213,397.57	2,721,047,365.57
	% growth over previous year	6.74%	5.55%	42.90%	48.99%	-1.67%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	7,786,876.00	8,363,657.18	8,660,637.80	9,193,142.72	9,707,939.28
ii)	Rural Cooperatives	88,781.00	92,113.00	117,842.00	179,815.00	256,621.00
iii)	Rural Micro Trade	102,849.00	107,341.00	98,400.00	109,773.00	102,746.00
iv)	Rural Community Lhakhangs	86,777.00	88,246.00	99,386.00	110,547.00	129,861.00
v)	Highlanders	-	-	-	-	-
vi)	Urban	17,199,976.00	17,438,342.30	18,416,678.43	110,547.00	20,068,694.25
vii)	Religious Institutions	255,870.00	259,993.00	277,561.00	353,934.00	381,355.00
viii)	Cottage and Small Scale Industries	283,641.00	307,755.00	352,966.00	343,181.00	320,602.00
ix)	Commercial	7,642,497.00	9,363,802.23	11,494,611.65	12,549,429.05	14,256,919.09
x)	Industrial	3,767,440.00	4,049,684.00	3,940,244.50	3,918,764.50	3,968,448.00
xi)	Agriculture	44,681.00	48,417.00	54,577.00	106,075.00	110,679.00
xii)	Institutions	10,514,997.00	11,288,933.00	12,832,709.00	13,723,419.10	14,015,520.00
xiii)	Street lighting	1,158,862.00	1,229,552.00	1,224,221.00	1,223,388.00	1,225,541.00
xiv)	Power house auxiliaries	111,407.00	100,289.00	107,452.00	91,793.00	87,135.00
xv)	Temporary connections	2,795,031.00	3,264,953.19	3,620,741.81	3,715,205.70	3,612,292.00
xvi)	Bulk Consumption	5,329,134.00	4,763,946.00	4,965,120.00	6,444,786.00	6,078,110.00
xvii)	EVCS (Electric Vehicle charging station)			316,356.00	317,883.00	378,291.00
	LV Total	57,168,819.00	60,767,023.90	66,579,504.19	52,491,683.07	74,700,753.62
xviii)	Medium Voltage	28,225,191.00	48,877,479.00	108,985,495.75	44,596,638.99	53,086,978.61
ix)	High Voltage	1,139,872,100.00	1,184,350,100.00	1,671,359,752.74	2,632,985,017.25	2,584,404,168.87
	Total Energy Sales	1,225,266,110.00	1,293,994,602.90	1,846,924,752.68	2,730,073,339.31	2,712,191,901.10
	% growth over previous year	6.68%	5.61%	42.73%	47.82%	-0.65%
3	Number of Customers (Category wise)					
i)	Rural Residential	8,514	8,485	8,746	9,092	9,318
ii)	Rural Cooperatives	63	60	74	88	96
iii)	Rural Micro Trade	71	63	66	68	68
iv)	Rural Community Lhakhangs	54	54	47	51	53
v)	Highlanders	-	-	-	-	-
vi)	Urban	9,141	9,400	9,547	9,699	9,940
vii)	Religious Institutions	24	23	38	41	41
viii)	Cottage and Small Scale Industries	75	70	110	97	93
ix)	Commercial	1,510	1,660	1,784	1,849	1,919
x)	Industrial	69	73	72	72	66
xi)	Agriculture	38	42	51	75	88
xii)	Institutions	869	882	952	1,151	1,194
xiii)	Street lighting	86	94	97	99	99
xiv)	Power house auxiliaries	4	4	4	3	3
xv)	Temporary connections	466	441	441	441	465
xvi)	Bulk	102	75	75	84	79
xvii)	EVCS (Electric Vehicle charging station)			7	7	8
	LV Total	21,086	21,426	22,111	22,917	23,530
ix)	Medium Voltage	30	29	30	21	22
x)	High Voltage	11	11	12	13	13
	Total Customers	21,127	21,466	22,153	22,951	23,565
	% growth over previous year	1.67%	1.60%	3.20%	3.60%	2.68%
4	Total Loss (%)	0.50%	0.52%	0.56%	1.34%	0.33%

Table 5.3: Dagana

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in					
i)	Purchase from TD	27,678,172.50	297,478,668.90	500,427,147.70	474,944,173.60	414,764,684.90
ii)	Mini/Micro Hydel Generation	297,717.00		152,350.00	98,420.00	32,660.00
iii)	Diesel Generation	-				-
iv)	Import	-				-
v)	Export	(1,798,603.48)	(1,313,237.36)	(2,412,250.00)	(3,035,000.00)	(3,429,351.00)
vi)	HV Purchase	-		488,927,100.00	462,485,100.00	401,534,670.00
	Total	26,177,286.02	296,165,431.54	498,167,247.70	472,007,593.60	414,797,344.90
	% growth over previous year	224.66%	1031.38%	68.21%	-5.25%	-12.12%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	5,186,101.00	5,583,925.00	5,434,165.00	5,436,578.00	5,410,679.00
ii)	Rural Cooperatives	10,300.00	12,819.00	16,915.00	21,004.00	16,676.00
iii)	Rural Micro Trade	129,781.00	157,244.00	133,844.00	100,150.00	77,321.00
iv)	Rural Community Lhakhangs	48,377.00	46,369.00	48,695.00	58,586.00	72,037.00
v)	Highlanders	-	-	-	-	-
vi)	Urban	295,348.00	313,502.00	317,099.00	319,442.00	329,850.00
vii)	Religious Institutions	41,270.00	39,149.00	36,993.00	36,638.00	43,405.00
viii)	Cottage and Small Scale Industries	172,161.00	151,041.00	155,184.00	145,344.00	114,128.00
ix)	Commercial	118,155.00	126,776.00	200,990.00	382,397.00	552,747.00
x)	Industrial	-	-	-	-	1,550.00
xi)	Agriculture	73,783.00	49,178.00	36,742.00	49,748.00	87,437.00
xii)	Institutions	885,868.00	987,608.54	1,031,822.00	1,075,368.64	1,122,752.36
xiii)	Street lighting	35,473.00	37,669.00	41,948.00	42,502.00	41,107.00
xiv)	Power house auxiliaries	8,943.00	12,283.00	13,392.00	14,258.00	37,420.00
xv)	Temporary connections	123,595.00	131,940.00	74,622.00	89,692.00	141,182.00
xvi)	Bulk	464,490.00	470,832.94	393,296.13	412,036.62	403,975.68
xvii)	EVCS (Electric Vehicle charging station)			900.00	5,820.00	5,400.00
xviii)	Rooftop solar					45,357.28
	LV Total	7,593,645.00	8,120,336.48	7,936,607.13	8,189,564.26	8,503,024.32
xviii)	Medium Voltage	18,276,734.00	38,926,508.40			
ix)	High Voltage	-	246,126,834.20	490,655,139.80	460,048,880.00	401,530,670.00
	Total Energy Sales	25,870,379.00	293,173,679.08	498,591,746.93	468,238,444.26	413,463,045.32
	% growth over previous year	266.95%	1033.24%	70.07%	-6.09%	-11.70%
3	Number of Customers					
i)	Rural Residential	5,016	5,161	5,238	5,423	5,208
ii)	Rural Cooperatives	22	22	22	24	21
iii)	Rural Micro Trade	89	92	92	60	40
iv)	Rural Community Lhakhangs	46	49	50	57	58
v)	Highlanders	-	-	-	-	-
vi)	Urban	194	198	208	212	206
vii)	Religious Institutions	8	8	8	9	9
viii)	Cottage and Small Scale Industries	73	70	73	64	36
ix)	Commercial	101	116	176	297	427
x)	Industrial	-	-	-	-	11
xi)	Agriculture	47	49	54	68	92
xii)	Institutions	251	278	309	345	335
xiii)	Street lighting	9	10	12	12	12
xiv)	Power house auxiliaries	4	4	4	5	6
xv)	Temporary connections	34	45	48	66	58
xvi)	Bulk	9	9	9	9	8
xvii)	EVCS (Electric Vehicle charging station)			1	1	1
	LV Total	5,903	6,111	6,304	6,652	6,528
ix)	Medium Voltage	1				
x)	High Voltage	-	1	1	1	1
	Total Customers	5,904	6,112	6,305	6,653	6,529
	% growth over previous year	2.43%	3.52%	3.16%	5.52%	-1.86%
4	Total Loss (%)	1.17%	1.01%	-0.09%	0.80%	0.32%

* The increase is due to commissioning of DHI project

Table 5.4: SARPANG

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	35,296,604.00	38,389,458.00	48,126,469.90	52,733,311.51	1,218,210,700.70
ii)	Mini/Micro Hydel Generation					
iii)	Diesel Generation					
iv)	Import					
v)	Export					
vi)	HV Purchase					1,151,956,725.80
	Total	35,296,604.00	38,389,458.00	48,126,469.90	52,733,311.51	1,218,210,700.70
	% growth over previous year	1.89%	8.76%	25.36%	37.36%	2210.14%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	10,492,554.00	11,153,368.76	12,103,650.15	12,981,269.09	13,747,729.00
ii)	Rural Cooperatives	85,266.00	85,824.00	88,074.00	92,292.00	75,170.00
iii)	Rural Micro Trade	444,242.00	467,835.00	458,687.00	458,024.00	479,099.00
iv)	Rural Community Lhakhangs	58,055.00	74,887.00	105,800.00	119,209.00	121,245.00
v)	Highlanders	-	-	-	-	-
vi)	Urban	6,184,119.00	6,797,465.55	7,683,322.28	8,821,597.17	9,948,915.00
vii)	Religious Institutions	152,328.00	146,019.00	172,321.00	201,623.00	232,881.00
viii)	Cottage and Small Scale Industries	648,407.00	572,863.00	668,505.00	707,664.00	733,196.00
ix)	Commercial	2,256,006.00	2,351,978.86	2,705,256.14	2,934,405.00	3,422,925.00
x)	Industrial	59,503.00	91,249.00	799,067.42	240,085.20	198,233.80
xi)	Agriculture	671,232.00	593,098.00	545,722.00	261,849.00	227,150.00
xii)	Institutions	3,413,961.00	3,894,171.32	4,034,034.12	4,395,556.70	4,995,803.36
xiii)	Street lighting	586,119.00	698,875.00	797,563.00	1,017,157.00	999,427.00
xiv)	Power house auxiliaries	305,040.00	297,395.00	230,684.00	267,107.00	291,990.00
xv)	Temporary connections	958,360.00	1,136,249.00	1,362,711.00	1,051,270.00	1,215,669.00
xvi)	Bulk	4,286,449.00	4,222,815.00	5,268,859.00	6,320,003.00	7,677,342.00
xvii)	EVCS (Electric Vehicle charging station)			16,020.00	39,660.00	108,360.00
	LV Total	30,601,641.00	32,584,093.49	37,040,276.11	39,908,771.16	44,475,135.16
xviii)	Medium Voltage	4,493,222.00	3,393,209.00	6,923,667.00	7,500,485.00	14,432,741.50
ix)	High Voltage	-	-	-	-	1,151,956,725.80
	Total Energy Sales	35,094,863.00	35,977,302.49	43,963,943.11	47,409,256.16	1,210,864,602.46
	% growth over previous year	11.14%	2.51%	22.20%	7.84%	2454.07%
3	Number of Customers (Categorywise)					
i)	Rural Residential	8,746	9,145	9,553	9,880	9,983
ii)	Rural Cooperatives	44	32	50	51	53
iii)	Rural Micro Trade	256	255	256	254	248
iv)	Rural Community Lhakhangs	34	23	36	38	40
v)	Highlanders	-	-	-	-	-
vi)	Urban	3,738	4,110	4,461	4,905	4,917
vii)	Religious Institutions	43	35	48	49	52
viii)	Cottage and Small Scale Industries	152	155	156	156	153
ix)	Commercial	752	769	815	840	870
x)	Industrial	14	16	19	17	14
xi)	Agriculture	309	313	329	335	322
xii)	Institutions	589	623	649	917	771
xiii)	Street lighting	105	90	135	148	227
xiv)	Power house auxiliaries	3	2	3	3	3
xv)	Temporary connections	403	390	372	364	404
xvi)	Bulk	42	37	51	55	57
xvii)	EVCS (Electric Vehicle charging station)			1	1	1
	LV Total	15,230	15,995	16,934	18,013	18,115
ix)	Medium Voltage	2	2	4	4	5
x)	High Voltage	-	-	-	-	1
	Total Customers	15,232	15,997	16,938	18,017	18,121
	% growth over previous year	4.34%	5.02%	5.88%	12.63%	0.58%
4	Total Loss (%)	0.57%	6.28%	8.65%	10.10%	0.60%

Table 5.5 : HAA

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	16,036,865.00	17,131,027.90	16,647,897.00	16,700,000.00	17,514,670.00
ii)	Mini/Micro Hydel Generation					-
iii)	Diesel Generation					-
iv)	Import	358,933.00		1,356,020.00	1,960,501.40	1,055,591.00
v)	Export			(1,229,132.00)	(904,840.17)	(176,684.00)
	Total	16,395,798.00	17,131,027.90	16,774,785.00	17,755,661.23	18,393,577.00
	% growth over previous year	7.98%	4.48%	-2.08%	3.65%	3.59%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	4,119,953.00	4,521,871.00	4,528,243.00	4,780,813.00	4,959,201.00
ii)	Rural Cooperatives	54,832.00	54,966.00	43,224.00	36,740.00	42,966.00
iii)	Rural Micro Trade	125,933.00	131,652.00	113,382.00	117,413.00	97,110.00
iv)	Rural Community Lhakhangs	38,202.00	36,106.00	35,981.00	40,817.00	37,145.00
v)	Highlanders	-	-	-	-	-
vi)	Urban	908,854.00	1,018,059.00	1,033,730.00	1,092,230.00	1,151,059.00
vii)	Religious Institutions	136,172.00	164,300.00	179,479.00	189,085.00	171,691.00
viii)	Cottage and Small Scale Industries	2,164.00	10,412.00	9,854.00	9,124.00	5,394.00
ix)	Commercial	945,287.00	1,102,818.00	1,162,905.00	1,153,125.00	1,214,566.00
x)	Industrial	-	-	-	-	-
xi)	Agriculture	59,023.00	77,601.00	76,775.00	72,500.00	84,044.00
xii)	Institutions	2,713,647.00	2,660,209.00	2,495,692.00	2,556,615.00	2,753,443.00
xiii)	Street lighting	39,197.00	43,106.00	47,570.00	47,095.00	44,737.00
xiv)	Power house auxiliaries	57,090.00	39,128.00	32,330.00	42,168.00	39,782.00
xv)	Temporary connections	478,499.00	642,349.00	985,645.60	1,118,984.00	848,866.00
xvi)	Bulk	4,765,923.00	5,036,610.00	4,834,180.00	4,553,253.00	4,507,667.00
xvii)	EVCS (Electric Vehicle charging station)			5,180.00	3,400.00	6,520.00
	LV Total	14,444,776.00	15,539,187.00	15,584,170.60	15,813,362.00	15,964,191.00
xviii)	Medium Voltage					
ix)	High Voltage					
	Total Energy Sales	14,444,776.00	15,539,187.00	15,584,170.60	15,813,362.00	15,964,191.00
	% growth over previous year	4.69%	7.58%	0.29%	1.76%	0.95%
3	Number of Customers (Categorywise)					
i)	Rural Residential	3,252	3,364	3,715	3,837	3,895
ii)	Rural Cooperatives	10	11	10	12	13
iii)	Rural Micro Trade	50	51	51	53	51
iv)	Rural Community Lhakhangs	28	29	33	35	36
v)	Highlanders	-	-	-	-	-
vi)	Urban	484	485	517	545	558
vii)	Religious Institutions	25	29	29	32	34
viii)	Cottage and Small Scale Industries	3	6	6	7	7
ix)	Commercial	237	245	280	299	315
x)	Industrial		-	-	-	-
xi)	Agriculture	66	77	84	79	78
xii)	Institutions	168	189	223	234	256
xiii)	Street lighting	10	11	12	12	12
xiv)	Power house auxiliaries	1	1	1	1	1
xv)	Temporary connections	44	54	58	67	61
xvi)	Bulk	10	10	10	10	10
xvii)	EVCS (Electric Vehicle charging station)			1	1	1
	LV Total	4,388	4,562	5,030	5,224	5,328
ix)	Medium Voltage					
x)	High Voltage					
	Total Customers	4,388	4,562	5,030	5,224	5,328
	% growth over previous year	4.55%	3.97%	10.26%	14.51%	1.99%
4	Total Loss (%)	11.90%	9.29%	7.54%	10.94%	13.21%

Table 5.6: LHUNTSE

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	5,650,758.00	6,562,305.27	7,470,842.00	7,992,365.00	7,625,109.00
ii)	Mini/Micro Hydel Generation	815,818.00	343,845.00	511,055.75	791,830.80	768,184.58
iii)	Diesel Generation					-
iv)	Import					-
v)	Export					-
	Total	6,466,576.00	6,906,150.27	7,981,897.75	8,784,195.80	8,393,293.58
	% growth over previous year	2.87%	6.80%	15.58%	27.19%	-4.45%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	3,277,267.00	3,451,982.43	3,506,741.57	3,673,451.00	3,638,697.00
ii)	Rural Cooperatives	-	654.00	1,188.00	964.00	4,258.00
iii)	Rural Micro Trade	35,377.00	36,989.00	35,156.00	35,750.00	35,146.00
iv)	Rural Community Lhakhangs	67,644.00	75,007.86	74,707.14	77,630.00	97,856.00
v)	Highlanders	-	-	-	-	-
vi)	Urban	681,599.00	717,615.91	706,206.09	739,136.00	710,189.00
vii)	Religious Institutions	181,957.00	165,057.00	195,252.00	200,734.00	268,985.00
viii)	Cottage and Small Scale Industries	-	-	-	-	89.00
ix)	Commercial	227,815.00	285,561.00	333,541.00	380,196.00	382,015.00
x)	Industrial	10,914.00	15,449.00	12,247.00	12,583.00	6,672.00
xi)	Agriculture	14,575.00	12,557.00	6,610.00	13,857.00	38,254.00
xii)	Institutions	858,396.00	890,900.54	958,800.96	1,014,006.06	1,246,296.60
xiii)	Street lighting	47,846.00	44,500.00	72,049.00	96,992.00	97,619.00
xiv)	Power house auxiliaries	-	702.00	384.00	1,736.00	2,271.00
xv)	Temporary connections	72,336.00	196,386.00	164,257.00	153,652.00	217,843.00
xvi)	Bulk	129,359.00	181,923.00	791,937.00	1,040,191.77	709,604.00
xvii)	EVCS (Electric Vehicle charging station)			80.00	760.00	800.00
xviii)	Rooftop Solar					65,574.19
	LV Total	5,605,085.00	6,075,284.74	6,859,156.76	7,441,638.83	7,522,168.79
xviii)	Medium Voltage					
ix)	High Voltage					
	Total Energy Sales	5,605,085.00	6,075,284.74	6,859,156.76	7,441,638.83	7,522,168.79
	% growth over previous year	3.22%	8.39%	12.90%	22.49%	1.08%
3	Number of Customers (Categorywise)					
i)	Rural Residential	3,622	3,706	3,864	3,928	3,726
ii)	Rural Cooperatives	-	1	1	1	2
iii)	Rural Micro Trade	28	28	28	27	34
iv)	Rural Community Lhakhangs	98	98	98	101	120
v)	Highlanders	-	-	-	-	-
vi)	Urban	399	399	414	429	414
vii)	Religious Institutions	38	39	39	41	58
viii)	Cottage and Small Scale Industries	-	-	-	-	-
ix)	Commercial	60	74	79	80	140
x)	Industrial	7	8	8	8	3
xi)	Agriculture	124	123	123	124	124
xii)	Institutions	254	260	282	290	333
xiii)	Street lighting	19	20	25	30	29
xiv)	Power house auxiliaries	-	2	2	2	2
xv)	Temporary connections	43	42	49	62	74
xvi)	Bulk	5	7	17	21	21
xvii)	EVCS (Electric Vehicle charging Station)			1	1	1
	LV Total	4,697	4,807	5,030	5,145	5,081
xviii)	Medium Voltage					
xix)	High Voltage					
	Total Customers	4,697	4,807	5,030	5,145	5,081
	% growth over previous year	1.87%	2.34%	4.64%	7.03%	-1.24%
4	Total Loss (%)	13.32%	12.03%	14.09%	15.28%	10.38%

Table 5.7: MONGAR

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	16,139,270.00	20,973,699.07	17,735,777.40	17,882,260.00	18,907,137.00
ii)	Mini/Micro Hydel Generation	1,561,311.00	701,376.00	871,712.35	1,154,611.12	855,605.13
iii)	Diesel Generation	-	-	-	-	-
iv)	Import	1,563,592.00	-	2,586,488.00	2,933,420.00	3,223,620.00
v)	Export	-	(135,058.00)	-	-	-
	Total	19,264,173.00	21,540,017.07	21,193,977.75	21,970,291.12	22,986,362.13
	% growth over previous year	4.45%	11.81%	8.96%	2.00%	4.62%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	6,470,210.00	7,343,997.00	7,662,841.00	7,984,165.00	8,414,182.00
ii)	Rural Cooperatives	2,380.00	6,997.00	8,487.00	8,684.00	8,729.00
iii)	Rural Micro Trade	70,661.00	76,014.00	76,521.00	81,607.00	86,521.00
iv)	Rural Community Lhakhangs	227,082.00	235,590.00	233,087.00	271,482.00	267,752.00
v)	Highlanders	-	-	-	-	-
vi)	Urban	3,677,674.00	3,836,936.00	3,547,747.00	3,613,403.72	3,627,281.28
vii)	Religious Institutions	167,593.00	210,594.00	227,178.00	240,695.00	263,586.00
viii)	Cottage and Small Scale Industries	450,470.00	531,760.69	552,628.05	586,352.00	590,454.00
ix)	Commercial	1,091,220.00	1,243,581.62	1,361,403.12	1,447,935.47	1,517,956.00
x)	Industrial	-	12,360.00	20,504.00	80,370.00	10,183.00
xi)	Agriculture	221,910.00	190,633.80	127,472.09	277,714.63	405,820.70
xii)	Institutions	1,662,424.00	1,931,718.00	2,299,960.00	2,802,802.00	3,265,698.00
xiii)	Street lighting	52,376.00	50,380.00	68,824.00	64,098.00	81,614.00
xiv)	Power house auxiliaries	16,045.00	17,201.00	16,228.00	15,002.00	11,573.00
xv)	Temporary connections	415,222.00	621,220.00	757,132.11	642,600.00	538,912.00
xvi)	Bulk	2,106,151.00	2,210,801.28	2,300,700.69	2,206,260.79	2,324,335.72
xvii)	EVCS (Electric Vehicle charging station)			1,940.00	9,920.00	13,100.00
	LV Total	16,631,418.00	18,519,784.39	19,262,653.06	20,333,091.61	21,427,697.70
xviii)	Medium Voltage	556,400.00	710,666.00	508,986.00	32,371.00	
ix)	High Voltage					
	Total Energy Sales	17,187,818.00	19,230,450.39	19,771,639.06	20,365,462.61	21,427,697.70
	% growth over previous year	7.61%	11.88%	13.44%	16.52%	5.22%
3	Number of Customers (Categorywise)					
i)	Rural Residential	7,650	7,900	8,474	8,774	9,044
ii)	Rural Cooperatives	21	27	27	27	28
iii)	Rural Micro Trade	48	49	50	51	52
iv)	Rural Community Lhakhangs	180	184	187	187	188
v)	Highlanders	-	-	-	-	-
vi)	Urban	1,868	1,895	1,938	2,005	2,010
vii)	Religious Institutions	60	62	62	62	61
viii)	Cottage and Small Scale Industries	123	121	119	118	112
ix)	Commercial	342	348	412	438	440
x)	Industrial	-	3	4	4	4
xi)	Agriculture	112	115	122	130	140
xii)	Institutions	517	572	652	686	715
xiii)	Street lighting	23	23	27	27	26
xiv)	Power house auxiliaries	3	3	3	3	3
xv)	Temporary connections	94	112	130	142	121
xvi)	Bulk	28	28	27	26	19
xvii)	EVCS (Electric Vehicle charging station)			2	2	2
	LV Total	11,069	11,442	12,236	12,682	12,965
ix)	Medium Voltage	1	1	1		
x)	High Voltage					
	Total Customers	11,070	11,443	12,237	12,682	12,965
	% growth over previous year	4.66%	3.37%	6.94%	10.83%	2.23%
4	Total Loss (%)	10.78%	10.66%	6.71%	7.30%	6.78%

Table 5.8 Paro

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	59,041,640.00	98,661,640.73	128,967,185.60	83,701,197.80	86,549,389.92
ii)	Mini/Micro Hydel Generation/DSP Solar					3,194,441.18
iii)	Diesel Generation					-
iv)	Import	-		724,630.00	758,721.00	1,494,490.59
v)	Export			(30,196,163.00)	(1,153,199.40)	(127,468.00)
	Total	59,041,640.00	98,661,640.73	99,495,652.60	83,306,719.40	91,238,321.69
	% growth over previous year	0.09%	67.11%	0.85%	-15.56%	9.52%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	23,392,312.00	26,812,426.91	29,928,531.75	32,428,284.48	36,220,842.49
ii)	Rural Cooperatives	36,122.00	65,561.00	85,971.00	97,565.00	105,377.00
iii)	Rural Micro Trade	77,054.00	146,871.00	162,967.00	168,819.00	209,755.00
iv)	Rural Community Lhakhangs	488,117.00	471,828.00	455,269.00	502,347.00	463,196.00
v)	Highlanders	632,249.00	630,572.00	577,863.00	387,150.00	272,429.00
vi)	Urban	1,481,865.00	1,733,752.00	1,743,799.00	1,903,443.52	2,143,274.48
vii)	Religious Institutions	901,353.00	776,921.00	769,327.00	802,314.00	1,110,929.00
viii)	Cottage and Small Scale Industries	517,058.00	724,713.60	945,793.00	1,034,156.00	1,036,357.00
ix)	Commercial	6,142,323.00	6,665,930.07	7,944,347.18	9,194,857.13	10,421,202.46
x)	Industrial	380,784.00	503,711.81	649,114.88	905,523.98	515,394.00
xi)	Agriculture	143,701.00	148,907.67	163,526.33	171,925.00	194,216.00
xii)	Institutions	8,394,282.00	8,765,419.46	10,598,193.74	11,389,210.00	11,988,477.98
xiii)	Street lighting	62,644.00	87,861.49	193,171.48	209,302.00	196,991.00
xiv)	Power house auxiliaries		12,732.00	-	-	-
xv)	Temporary connections	2,689,141.00	3,538,423.95	1,559,664.00	1,062,171.00	1,123,371.00
xvi)	Bulk	5,530,735.00	7,169,061.88	11,745,210.36	13,007,012.77	13,500,874.75
xvii)	EVCS (Electric Vehicle charging station)			136,266.00	150,582.00	225,079.00
	LV Total	50,869,740.00	58,254,693.84	67,659,014.72	73,414,662.88	79,727,766.16
xviii)	Medium Voltage	918,035.00	32,599,580.00	20,692,729.00	1,877,508.00	2,470,622.50
ix)	High Voltage					
	Total Energy Sales	51,787,775.00	90,854,273.84	88,351,743.72	75,292,170.88	82,325,856.66
	% growth over previous year	-3.05%	75.44%	-2.75%	-17.13%	9.34%
3	Number of Customers					
i)	Rural Residential	11,288	12,316	13,465	14,608	15,110
ii)	Rural Cooperatives	51	85	103	109	114
iii)	Rural Micro Trade	39	48	54	71	69
iv)	Rural Community Lhakhangs	118	117	123	123	121
v)	Highlanders	255	259	280	242	247
vi)	Urban	507	535	564	626	631
vii)	Religious Institutions	60	46	39	39	47
viii)	Cottage and Small Scale Industries	92	106	112	117	110
ix)	Commercial	1,452	1,554	1,630	1,708	1,637
x)	Industrial	54	52	47	46	42
xi)	Agriculture	167	167	157	155	150
xii)	Institutions	377	419	504	546	586
xiii)	Street lighting	12	13	18	18	20
xiv)	Power house auxiliaries		2	-	-	-
xv)	Temporary connections	518	547	103	120	64
xvi)	Bulk	47	54	57	56	56
xvii)	EVCS (Electric Vehicle charging station)			2	4	4
	LV Total	15,037	16,320	17,258	18,588	19,008
ix)	Medium Voltage	2	3	2	2	5
x)	High Voltage					
	Total Customers	15,039	16,323	17,260	18,590	19,013
	% growth over previous year	7.15%	8.54%	5.74%	13.89%	2.28%
4	Total Loss (%)	12.29%	7.92%	8.67%	9.62%	9.77%

Table 5.9 Pemagatshel

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	91,679,930.00	93,825,695.00	90,016,019.00	82,165,619.00	90,620,004.00
ii)	Mini/Micro Hydel Generation					
iii)	Diesel Generation	-				-
iv)	Import					-
v)	Export to Trashigang and Zhemgang	(2,982,774.00)	(3,455,966.00)	(4,020,723.00)	(4,228,884.00)	(4,826,482.00)
vi)	HV Purchase	77,861,707.00	79,018,540.00	73,967,455.00	64,217,613.30	72,286,975.60
	Total	88,697,156.00	90,369,729.00	85,995,296.00	77,936,735.00	90,620,004.00
	% growth over previous year	-0.47%	1.89%	-4.84%	-13.76%	16.27%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	4,366,806.00	4,753,737.06	4,541,393.94	4,599,202.00	4,738,837.14
ii)	Rural Cooperatives	31,281.00	33,926.00	22,557.00	24,961.00	38,599.00
iii)	Rural Micro Trade	105,138.00	100,119.00	99,556.00	96,338.00	97,939.00
iv)	Rural Community Lhakhangs	102,868.00	125,145.00	131,308.00	164,593.00	185,295.00
v)	Highlanders	-	-	-	-	-
vi)	Urban	1,230,706.00	1,238,039.00	1,314,262.00	1,648,365.00	2,029,623.00
vii)	Religious Institutions	136,155.00	151,603.00	118,773.00	111,379.00	122,203.00
viii)	Cottage and Small Scale Industries	23,071.00	27,165.00	21,637.00	18,376.00	15,230.00
ix)	Commercial	689,854.00	738,279.20	735,409.79	763,643.00	825,766.00
x)	Industrial	51,435.00	46,291.00	40,654.00	38,627.00	31,323.00
xi)	Agriculture	14,607.00	11,043.00	3,938.00	4,171.00	6,788.00
xii)	Institutions	1,035,072.00	1,135,592.18	1,081,236.82	1,236,501.00	1,404,149.00
xiii)	Street lighting	30,230.00	37,234.00	52,259.00	54,741.00	50,845.00
xiv)	Power house auxiliaries	8,800.00	3,550.00	3,350.00	15,800.00	16,900.00
xv)	Temporary connections	363,223.00	416,144.00	558,190.00	549,445.00	462,422.00
xvi)	Bulk	807,815.00	860,307.00	923,034.00	904,628.00	676,346.00
xvii)	EVCS (Electric Vehicle charging station)			80.00	120.00	1,480.00
	LV Total	8,997,061.00	9,678,174.44	9,647,638.55	10,230,890.00	10,703,745.14
xviii)	Medium Voltage	530,604.00	452,765.00	1,314,436.30	1,867,142.70	1,464,936.00
ix	High Voltage	77,861,707.00	79,018,540.00	73,470,042.10	64,390,112.70	72,286,975.60
	Solar					44,032.10
	Total Energy Sales	87,389,372.00	89,149,479.44	84,432,116.95	76,488,145.40	89,326,170.84
	% growth over previous year	-0.27%	2.01%	-5.29%	-14.20%	16.78%
3	Number of Customers (Categorywise)					
i)	Rural Residential	6,227	6,352	6,182	6,367	6,226
ii)	Rural Cooperatives	50	53	60	62	69
iii)	Rural Micro Trade	78	78	80	82	79
iv)	Rural Community Lhakhangs	121	134	140	147	145
v)	Highlanders	-	-	-	-	-
vi)	Urban	710	766	879	1,222	1,188
vii)	Religious Institutions	42	53	49	51	59
viii)	Cottage and Small Scale Industries	6	7	8	10	12
ix)	Commercial	231	229	249	252	219
x)	Industrial	7	7	7	7	8
xi)	Agriculture	28	27	27	28	27
xii)	Institutions	439	448	451	449	417
xiii)	Street lighting	7	7	10	10	15
xiv)	Power house auxiliaries	1	1	1	1	1
xv)	Temporary connections	155	199	228	235	169
xvi)	Bulk	37	32	30	29	29
xvii)	EVCS (Electric Vehicle charging station)			1	1	1
	LV Total	8,139	8,393	8,402	8,953	8,664
xvii)	Medium Voltage	3	2	3	3	2
xviii)	High Voltage	1	1	1	1	1
	Total Customers	8,143	8,396	8,406	8,957	8,667
	% growth over previous year	2.72%	3.11%	0.12%	6.68%	-3.24%
4	Total Loss (%)	1.47%	1.27%	1.74%	1.86%	1.43%

Table 5.10: PUNAKHA

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	25,664,234.10	53,676,782.20	159,623,057.58	190,315,894.92	169,933,193.95
ii)	Mini/Micro Hydel Generation					
iii)	Diesel Generation					
iv)	Import					
v)	Export					
vi)	HV Purchase				159,640,722.00	137,270,515.00
	Total	25,664,234.10	53,676,782.20	159,623,057.58	190,315,894.92	169,933,193.95
	% growth over previous year	15.66%	109.15%	197.38%	254.56%	-10.71%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	8,988,238.00	9,798,888.00	10,268,601.97	10,744,387.02	11,645,008.10
ii)	Rural Cooperatives	3,639.00	22,180.00	18,908.00	16,445.00	18,738.00
iii)	Rural Micro Trade	149,969.00	152,430.00	160,544.00	163,706.00	221,100.00
iv)	Rural Community Lhakhangs	49,883.00	40,798.00	41,374.00	46,707.00	56,509.00
v)	Highlanders	326,341.00	338,729.00	439,936.00	450,042.00	606,508.00
vi)	Urban	1,837,876.00	1,928,880.00	1,831,887.00	1,799,144.59	1,566,339.67
vii)	Religious Institutions	851,185.00	731,983.40	749,844.00	821,453.60	888,139.60
viii)	Cottage and Small Scale Industries	583,454.00	653,937.20	648,113.80	657,638.60	655,471.40
ix)	Commercial	1,568,306.00	1,847,213.00	2,287,745.60	2,798,445.20	3,253,702.20
x)	Industrial		-		-	-
xi)	Agriculture	302,502.00	368,251.00	419,360.00	462,014.00	509,066.00
xii)	Institutions	3,484,578.00	3,454,799.80	3,606,488.00	4,029,971.40	4,092,596.80
xiii)	Street lighting	60,315.00	91,816.00	116,427.00	124,201.00	78,033.00
xiv)	Power house auxiliaries	6,070.00	5,110.00	6,960.00	8,290.00	6,100.00
xv)	Temporary connections	279,824.00	363,812.00	514,326.00	449,625.00	411,175.00
xvi)	Bulk	2,323,082.00	2,833,515.60	4,922,090.80	5,589,886.60	4,490,726.40
xvii)	EVCS (Electric Vehicle charging station)			72,948.80	42,148.00	44,717.20
	LV Total	20,815,262.00	22,632,343.00	26,105,554.97	28,204,105.01	28,543,930.37
xviii)	Medium Voltage	3,426,450.00	29,283,180.00	7,755,975.00	1,403,950.00	2,288,457.00
ix)	High Voltage			124,054,290.00	159,642,053.00	137,268,784.00
	Total Energy Sales	24,241,712.00	51,915,523.00	157,915,819.97	189,250,108.01	168,101,171.37
	% growth over previous year	16.31%	114.16%	204.18%	264.53%	-11.18%
3	Number of Customers					
i)	Rural Residential	6,008	6,347	6,732	7,323	7,469
ii)	Rural Cooperatives	10	9	9	9	11
iii)	Rural Micro Trade	65	67	73	77	115
iv)	Rural Community Lhakhangs	36	38	38	39	45
v)	Highlanders	337	347	371	376	398
vi)	Urban	879	867	873	709	728
vii)	Religious Institutions	77	70	78	74	74
viii)	Cottage and Small Scale Industries	103	102	102	98	84
ix)	Commercial	466	519	597	652	773
x)	Industrial	-	-		-	-
xi)	Agriculture	382	402	421	431	425
xii)	Institutions	380	375	387	386	421
xiii)	Street lighting	7	7	7	7	7
xiv)	Power house auxiliaries	1	1	1	1	1
xv)	Temporary connections	107	119	131	146	174
xvi)	Bulk	27	25	24	25	26
	EVCS (Electric Vehicle charging station)			2	2	2
	LV Total	8,885	9,295	9,846	10,355	10,753
xvii)	Medium Voltage	1	1		1	1
xviii)	High Voltage			1	1	1
	Total Customers	8,886	9,296	9,847	10,357	10,755
	% growth over previous year	2.93%	4.61%	5.93%	11.41%	9.22%
4	Total Loss (%)	5.54%	3.28%	1.07%	0.56%	1.08%

Table 5.11: SAMTSE

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	80,493,957.00	67,860,994.25	94,692,098.00	99,834,181.00	459,897,516.00
ii)	Mini/Micro Hydel Generation					37,909,644.98
iii)	Diesel Generation					-
iv)	Import from WBSEB	-	-			-
v)	Import from Chukhha	450,790.38				1,519,100.00
vi)	Export to Haa	(358,933.00)	(415,894.00)	(750,196.00)	(1,249,132.00)	(1,007,335.00)
vii)	HV Purchase	28,540,400.00	16,481,500.00	39,108,000.00	41,065,095.00	431,844,465.01
	Total	80,585,814.38	67,445,100.25	93,941,902.00	98,585,049.00	498,318,925.98
	% growth over previous year	16.39%	-16.31%	19.80%	46.17%	405.47%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	11,685,976.00	12,224,138.00	12,742,525.00	13,870,040.50	15,938,213.09
ii)	Rural Cooperatives	13,256.00	12,267.00	11,248.00	14,814.00	21,428.00
iii)	Rural Micro Trade	53,881.00	61,900.00	75,084.00	104,922.00	113,479.00
iv)	Rural Community Lhakhangs	13,286.00	18,732.00	18,170.00	18,643.00	20,222.00
v)	Highlanders	-	-	-	-	-
vi)	Urban	2,126,286.00	2,198,945.25	2,213,616.48	2,511,278.30	2,757,425.53
vii)	Religious Institutions	32,573.00	40,208.00	56,821.00	63,461.00	59,994.00
viii)	Cottage and Small Scale Industries	167,914.00	184,222.00	214,367.00	235,840.00	292,095.00
ix)	Commercial	1,307,724.00	1,593,759.77	1,895,416.44	2,352,550.00	3,072,725.00
x)	Industrial	387,765.00	399,684.00	553,176.00	1,933,342.00	2,447,103.00
xi)	Agriculture	101,633.00	115,371.64	148,887.47	185,876.77	189,318.12
xii)	Institutions	2,577,091.00	2,882,195.08	3,362,175.81	4,965,778.04	5,886,508.87
xiii)	Street lighting	152,268.00	175,211.00	205,512.00	226,780.00	240,773.00
xiv)	Power house auxiliaries		-	-	-	-
xv)	Temporary connections	427,690.00	643,863.00	1,009,315.00	2,619,235.00	3,401,374.00
xvi)	Bulk	5,268,752.00	5,625,682.50	5,557,729.50	3,601,127.00	4,290,295.00
	EVCS (Electric Vehicle charging station)			1,560.00	8,040.00	24,316.00
	LV Total	24,316,095.00	26,176,179.24	28,064,043.70	32,703,687.61	38,755,269.61
xvii)	Medium Voltage	23,660,685.00	20,885,329.00	24,059,023.00	22,544,236.94	23,118,126.68
xviii)	High Voltage	28,540,400.00	16,294,500.00	39,123,470.00	41,091,105.00	431,845,115.01
	Total Energy Sales	76,517,180.00	63,356,008.24	91,246,536.70	96,339,029.55	493,718,511.30
	% growth over previous year	15.61%	-17.20%	19.25%	52.06%	412.48%
3	Number of Customers					
i)	Rural Residential	12,684	13,424	13,525	13,846	14,308
ii)	Rural Cooperatives	24	26	25	25	21
iii)	Rural Micro Trade	46	53	58	62	61
iv)	Rural Community Lhakhangs	20	19	19	20	22
v)	Highlanders	-	-	-	-	-
vi)	Urban	1,150	1,217	1,278	1,451	1,527
vii)	Religious Institutions	19	20	24	24	19
viii)	Cottage and Small Scale Industries	88	94	95	96	102
ix)	Commercial	620	755	833	939	989
x)	Industrial	15	16	17	25	26
xi)	Agriculture	212	220	225	235	235
xii)	Institutions	594	637	657	839	895
xiii)	Street lighting	33	34	44	43	43
xiv)	Power house auxiliaries		-	-	-	-
xv)	Temporary connections	173	211	242	311	379
xvi)	Bulk	68	70	64	56	61
xvii)	EVCS (Electric Vehicle charging station)			1	1	2
	LV Total	15,746	16,796	17,107	17,973	18,690
xvii)	Medium Voltage	11	14	14	19	17
xviii)	High Voltage	1	1	1	1	6
	Total Customers	15,758	16,811	17,122	17,993	18,713
	% growth over previous year	3.45%	6.68%	8.66%	7.03%	4.00%
4	Total Loss (%)	5.05%	5.60%	2.84%	2.28%	0.92%

Table 5.12: SAMDRUP JONGKHAR

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	221,210,919.00	236,156,435.00	240,197,512.00	242,516,556.00	366,318,819.00
ii)	Mini/Micro Hydel Generation					-
iii)	Diesel Generation					-
iv)	Export to Zhemgang	-	-			-
v)	Import from ASEB	-	-			-
vi)	HV Purchase	199,947,486.00	210,716,819.00	209,888,154.00	207,055,042.00	322,682,424.00
	Total	221,210,919.00	236,156,435.00	240,197,512.00	242,516,556.00	366,318,819.00
	% growth over previous year	37.21%	6.76%	1.71%	2.69%	51.05%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	5,169,714.00	5,580,823.16	6,072,972.84	6,966,805.00	7,351,354.00
ii)	Rural Cooperatives	18,299.00	17,532.00	23,312.00	32,311.00	25,001.00
iii)	Rural Micro Trade	85,847.00	92,035.00	111,903.00	110,054.00	109,891.00
iv)	Rural Community Lhakhangs	128,843.00	137,093.04	159,670.96	154,839.00	181,528.00
v)	Highlanders	6,431.00	5,481.00	7,312.00	11,666.00	15,845.00
vi)	Urban	3,541,692.00	3,647,530.39	3,854,993.61	4,267,495.00	4,499,277.74
vii)	Religious Institutions	202,345.00	180,308.00	173,503.00	228,873.00	224,920.00
viii)	Cottage and Small Scale Industries	202,614.00	206,855.00	239,151.00	262,868.00	273,720.00
ix)	Commercial	1,421,867.00	1,748,473.11	2,074,709.00	2,426,321.00	2,494,810.00
x)	Industrial	52,993.00	56,312.00	61,200.00	73,712.00	202,519.00
xi)	Agriculture	14,046.00	16,249.00	12,131.00	14,002.00	17,409.00
xii)	Institutions	2,153,469.00	2,658,117.00	2,833,190.00	3,315,924.00	4,020,233.00
xiii)	Street lighting	250,359.00	271,075.00	301,188.00	345,636.00	419,826.00
xiv)	Power house auxiliaries			-	-	-
xv)	Temporary connections	654,123.00	584,847.00	636,620.00	906,790.00	1,295,639.00
xvi)	Bulk	3,458,292.00	3,581,242.00	4,655,721.00	4,164,531.00	3,992,058.00
xvii)	EVCS (Electric Vehicle charging station)			-	3,200.00	11,440.00
	LV Total	17,360,934.00	18,783,972.70	21,217,577.41	23,281,827.00	25,135,470.74
xvii)	Medium Voltage	1,614,397.00	4,426,150.00	6,675,321.00	9,582,454.00	13,854,883.00
xviii)	High Voltage	199,947,486.00	210,716,819.00	209,907,556.00	206,826,280.00	321,612,890.00
	Total Energy Sales	218,922,817.00	233,926,941.70	237,800,454.41	239,690,561.00	360,603,243.74
	% growth over previous year	38.37%	6.85%	1.66%	2.46%	50.45%
3	Number of Customers					
i)	Rural Residential	6,189	6,436	6,720	7,116	7,403
ii)	Rural Cooperatives	33	33	34	37	37
iii)	Rural Micro Trade	68	68	68	71	77
iv)	Rural Community Lhakhangs	120	122	123	131	141
v)	Highlanders	12	12	31	31	31
vi)	Urban	2,137	2,205	2,187	2,296	2,239
vii)	Religious Institutions	17	18	18	22	21
viii)	Cottage and Small Scale Industries	32	38	38	37	32
ix)	Commercial	400	405	448	487	468
x)	Industrial	17	17	18	18	23
xi)	Agriculture	11	9	9	14	16
xii)	Institutions	458	482	524	570	721
xiii)	Street lighting	72	76	78	84	88
xiv)	Power house auxiliaries		-	-	-	-
xv)	Temporary connections	138	133	158	193	189
xvi)	Bulk	77	40	42	42	59
	EVCS (Electric Vehicle charging station)			-	1	1
	LV Total	9,781	10,094	10,496	11,150	11,546
xvii)	Medium Voltage	4	4	2	5	6
xviii)	High Voltage	1	1	1	2	2
	Total Customers	9,786	10,099	10,499	11,157	11,554
	% growth over previous year	3.20%	3.20%	3.96%	10.48%	3.56%
4	Total Loss (%)	1.03%	0.94%	0.99%	1.17%	1.56%

Table 5.13: THIMPHU

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	585,367,333.06	950,317,415.31	1,924,226,446.32	2,523,998,613.70	2,485,409,163.94
ii)	Mini/Micro Hydel Generation/DSP solar	3,624,580.00		1,970,636.10	1,519,085.00	5,704,875.00
iii)	Diesel Generation	950.00		8,027.20		8,859.39
iv)	Import			29,651,873.00		-
v)	Export			(445,533.00)	(1,619,140.00)	(2,966,010.68)
vi)	HV Purchase	324,877,912.00	664,606,231.00	1,647,912,900.00	2,203,294,954.00	2,142,925,359.00
	Total	588,992,863.06	950,317,415.31	1,955,411,449.62	2,523,898,558.70	2,491,122,898.33
	% growth over previous year	139.10%	61.35%	105.76%	165.58%	-1.30%
2	Energy Sales in kWh (Category)					
i)	Rural Residential	17,674,913.00	20,787,373.55	22,369,325.94	25,157,382.42	28,272,163.33
ii)	Rural Cooperatives	10,732.00	21,773.00	24,097.00	30,431.00	39,045.00
iii)	Rural Micro Trade	474,128.00	481,783.78	505,185.69	512,231.00	547,013.00
iv)	Rural Community Lhakhangs	458,944.00	494,257.00	581,382.00	698,399.00	687,588.00
v)	Highlanders	-	43,368.00	19,073.00	21,620.00	45,336.00
vi)	Urban	117,150,182.00	128,610,974.56	134,186,190.57	140,330,648.65	152,622,945.62
vii)	Religious Institutions	97,799.00	82,644.00	71,421.00	80,575.00	112,867.00
viii)	Cottage and Small Scale Industries	1,748,952.00	2,082,502.00	2,441,854.00	2,499,191.43	2,577,805.57
ix)	Commercial	30,217,296.00	34,137,017.73	38,502,895.96	42,880,112.63	47,314,725.57
x)	Industrial	3,173,297.00	3,320,756.00	3,823,001.00	3,874,894.00	3,831,058.00
xi)	Agriculture	104,559.00	118,963.00	81,428.00	77,667.00	102,862.00
xii)	Institutions	26,694,129.00	27,381,002.65	31,666,165.71	33,175,602.57	36,142,514.85
xiii)	Street lighting	1,859,100.00	1,840,125.00	1,850,738.00	1,992,448.00	2,015,414.00
xiv)	Power house auxiliaries	440,483.00	421,985.00	364,532.82	347,846.75	373,632.71
xv)	Temporary connections	5,523,304.00	7,621,473.00	7,787,966.00	7,081,309.00	7,702,064.00
xvi)	Bulk	22,347,520.00	23,651,131.60	25,613,683.60	27,323,647.60	30,130,335.90
xvii)	EVCS (Electric Vehicle charging station)			726,038.20	688,957.80	1,252,324.00
	LV Total	227,975,338.00	251,097,129.87	270,614,978.49	286,772,963.85	313,769,694.55
xvii)	Medium Voltage	12,681,764.00	8,861,300.00	9,965,536.00	10,392,978.00	10,304,483.00
xviii)	High Voltage	324,877,912.00	664,605,465.00	1,648,489,223.00	2,202,673,141.00	2,142,920,838.00
	Total Energy Sales	565,535,014.00	924,563,894.87	1,929,069,737.49	2,499,839,082.85	2,469,961,026.23
	% growth over previous year	155.79%	63.48%	108.65%	170.38%	-1.20%
3	Number of Customers (Categorywise)					
i)	Rural Residential	6,851	7,627	8,352	9,094	9,610
ii)	Rural Cooperatives	18	18	20	19	19
iii)	Rural Micro Trade	145	145	143	143	144
iv)	Rural Community Lhakhangs	84	88	96	94	95
v)	Highlanders	-	62	64	64	58
vi)	Urban	31,314	33,342	35,303	37,848	39,922
vii)	Religious Institutions	9	9	9	14	13
viii)	Cottage and Small Scale Industries	336	346	346	350	346
ix)	Commercial	7,383	7,766	8,378	8,857	9,367
x)	Industrial	28	28	27	27	27
xi)	Agriculture	42	43	44	45	42
xii)	Institutions	1,572	1,680	1,866	1,930	2,074
xiii)	Street lighting	141	143	141	141	142
xiv)	Power house auxiliaries	13	12	12	12	12
xv)	Temporary connections	1,016	945	848	808	808
xvi)	Bulk	67	62	63	66	66
xvii)	EVCS (Electric Vehicle charging station)			14	21	22
	LV Total	49,019	52,316	55,726	59,533	62,767
xvii)	Medium Voltage	6	5	5	5	5
xviii)	High Voltage	4	2	3	3	3
	Total Customers	49,029	52,323	55,734	59,541	62,775
	% growth over previous year	5.31%	6.72%	6.52%	13.80%	12.63%
4	Total Loss (%)	3.98%	2.70%	1.39%	0.95%	0.85%

Table 5.14: TRONGSA

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	37,045,447.00	251,182,850.78	559,702,255.77	530,572,830.70	528,697,901.00
ii)	Mini/Micro Hydel Generation	21,476.78	-			-
iii)	Diesel Generation					-
iv)	Net Import Bumthang	518,135.05	318,650.00	2,072,000.00	71,722.00	3,871,600.00
v)	Net Import Zhemgang	223,233.00	548,795.00	72,325.00		
vi)	Net Import Zhemgang			260,980.00		
vii)	Net Export to Bumthang	(13,382,514.69)	-10,234,968.25	(3,127,283.00)	(3,316,135.00)	(7,470,110.00)
viii)	Net Export to Wangdue					
xi)	HV Purchase				512,206,807.00	509,169,032.00
	Total	24,425,777.14	240,947,882.53	558,980,277.77	527,328,417.70	525,099,391.00
	% growth over previous year	-14.17%	886.45%	131.99%	118.86%	-0.42%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	3,879,657.00	3,996,107.00	3,910,560.00	3,804,938.00	3,668,592.00
ii)	Rural Cooperatives	12,674.00	3.00	170.00	755.00	288.00
iii)	Rural Micro Trade	106,406.00	107,258.00	112,400.00	79,634.00	74,882.00
iv)	Rural Community Lhakhangs	15,187.00	21,827.00	31,300.00	47,920.00	34,512.00
v)	Highlanders		-	-	-	-
vi)	Urban	1,307,907.00	1,314,850.00	1,335,072.00	1,361,913.02	1,349,989.98
vii)	Religious Institutions	126,507.00	101,771.00	99,402.00	127,268.00	156,400.00
viii)	Cottage and Small Scale Industries	89,425.00	84,778.00	68,121.00	78,097.00	75,432.00
ix)	Commercial	409,227.00	444,100.00	531,661.00	536,084.10	604,410.00
x)	Industrial	47,285.00	41,195.00	31,296.00	28,205.00	23,760.00
xi)	Agriculture	7,985.00	21,937.00	56,108.00	25,260.00	28,269.00
xii)	Institutions	837,172.00	1,050,665.00	1,113,847.00	1,063,962.00	1,063,638.00
xiii)	Street lighting	98,462.00	107,664.00	115,123.00	124,529.00	107,128.00
xiv)	Power house auxiliaries	48,378.00	30,084.00	28,313.00	49,877.00	15,772.00
xv)	Temporary connections	173,649.00	292,692.00	263,064.00	328,977.00	357,703.00
xvi)	Bulk	876,863.00	748,305.00	959,857.00	1,006,872.00	1,003,967.00
xvi)	EVCS (Electric Vehicle charging station)			2,400.00	14,880.00	20,840.00
	LV Total	8,036,784.00	8,363,236.00	8,658,694.00	8,679,171.12	8,585,582.98
xviii)	Medium Voltage	13,685,976.00	32,587,478.71	10,747,021.66	5,312,150.77	5,854,509.46
ix)	High Voltage		198,311,834.50	537,544,146.80	512,210,095.80	509,169,018.00
	Total Energy Sales	21,722,760.00	239,262,549.21	556,949,862.46	526,201,417.69	523,609,110.44
	% growth over previous year	-14.10%	1001.44%	132.78%	-5.52%	-0.49%
3	Number of Customers					
i)	Rural Residential	3,047	3,191	3,235	3,269	3,236
ii)	Rural Cooperatives	5	4	7	5	5
iii)	Rural Micro Trade	56	54	54	53	50
iv)	Rural Community Lhakhangs	14	19	20	22	22
v)	Highlanders		-	-	-	-
vi)	Urban	683	684	690	717	727
vii)	Religious Institutions	47	40	37	37	38
viii)	Cottage and Small Scale Industries	29	30	29	28	28
ix)	Commercial	106	121	129	131	153
x)	Industrial	10	10	9	9	8
xi)	Agriculture	236	258	272	291	292
xii)	Institutions	281	301	312	311	318
xiii)	Street lighting	21	22	22	22	24
xiv)	Power house auxiliaries	3	3	3	2	2
xv)	Temporary connections	54	75	77	93	100
xvi)	Bulk	53	57	56	56	54
xvii)	EVCS (Electric Vehicle charging station)			1	1	1
	LV Total	4,645	4,869	4,953	5,047	5,058
xvii)	Medium Voltage	12	6	13	10	10
xviii)	High Voltage		1	1	1	1
	Total Customers	4,657	4,876	4,967	5,058	5,069
	% growth over previous year	3.93%	4.70%	1.87%	3.73%	0.22%
4	Total Loss (%)	11.07%	0.67%	0.30%	0.21%	0.28%

Table 5.15: TRASHIGANG

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	16,161,991.00	25,692,873.00	14,679,817.00	16,961,029.00	17,092,893.00
ii)	Mini/Micro Hydel Generation	7,861,759.00		9,115,225.00	7,606,195.00	8,334,580.00
iii)	Diesel Generation					
iv)	Import from Pemagatshel & Trashigang Yangtse	910,250.00		2,457,344.00	2,159,617.00	2,733,864.00
v)	Export to Trashigang Yangtse & Mongar	(3,549,170.00)	(3,138,579.00)	(2,869,524.00)	(3,130,078.00)	(3,303,132.00)
	Total	21,384,830.00	22,554,294.00	23,382,862.00	23,596,763.00	28,161,337.00
	% growth over previous year	1.51%	5.47%	3.67%	4.62%	19.34%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	9,397,583.00	10,122,611.00	10,947,162.00	9,915,736.20	10,098,321.80
ii)	Rural Cooperatives	17,241.00	18,341.00	24,638.00	20,836.00	20,482.00
iii)	Rural Micro Trade	216,707.00	249,438.00	244,554.00	261,874.00	252,671.00
iv)	Rural Community Lhakhangs	293,079.00	320,248.00	361,570.00	381,059.00	439,802.00
v)	Highlanders	597,554.00	599,618.00	713,740.00	798,638.00	954,549.00
vi)	Urban	1,446,032.00	1,621,279.88	1,543,196.95	1,630,427.17	1,721,076.00
vii)	Religious Institutions	338,575.00	350,752.00	346,096.00	428,776.00	499,050.00
viii)	Cottage and Small Scale Industries	296,299.00	303,864.00	301,293.00	307,723.00	319,339.00
ix)	Commercial	894,565.00	996,991.80	1,027,194.20	1,121,278.00	1,290,845.00
x)	Industrial	8,764.00	7,097.00	6,985.00	14,885.00	17,489.00
xi)	Agriculture	68,027.00	41,969.00	44,218.00	55,036.00	54,948.00
xii)	Institutions	2,799,688.00	2,677,402.60	2,855,917.58	2,979,396.82	3,009,974.00
xiii)	Street lighting	127,579.00	127,498.00	131,211.00	120,272.00	145,705.00
xiv)	Power house auxiliaries	32,345.00	34,957.00	33,323.00	28,108.00	34,197.00
xv)	Temporary connections	113,463.00	193,531.00	262,389.00	261,273.00	320,260.00
xvi)	Bulk	2,246,426.00	2,333,637.00	2,502,071.00	2,308,640.00	2,956,135.00
xvi)	EVCS (Electric Vehicle charging station)			-	8,088.00	29,827.00
	LV Total	18,893,927.00	19,999,235.28	21,345,558.73	20,642,046.19	22,164,670.80
xvii)	Medium Voltage					
xviii)	High Voltage					
	Total Energy Sales	18,893,927.00	19,999,235.28	21,345,558.73	20,642,046.19	25,467,802.80
	% growth over previous year	6.04%	5.85%	6.73%	-3.30%	23.38%
3	Number of Customers					
i)	Rural Residential	10,635	10,838	11,086	11,216	11,341
ii)	Rural Cooperatives	21	23	23	24	23
iii)	Rural Micro Trade	140	142	143	143	141
iv)	Rural Community Lhakhangs	238	244	251	272	276
v)	Highlanders	781	798	885	943	998
vi)	Urban	916	927	967	980	914
vii)	Religious Institutions	55	56	67	70	59
viii)	Cottage and Small Scale Industries	112	111	118	120	116
ix)	Commercial	369	398	390	416	420
x)	Industrial	12	14	14	15	14
xi)	Agriculture	394	397	425	424	427
xii)	Institutions	657	691	735	738	738
xiii)	Street lighting	54	54	56	57	58
xiv)	Power house auxiliaries	3	3	3	3	4
xv)	Temporary connections	57	74	89	111	107
xvi)	Bulk	31	33	35	31	32
xvii)	EVCS (Electric Vehicle charging station)			-	1	2
	LV Total	14,475	14,803	15,287	15,564	15,670
xvii)	Medium Voltage					
xviii)	High Voltage					
	Total Customers	14,475	14,803	15,287	15,564	15,670
	% growth over previous year	1.87%	2.27%	3.27%	5.14%	0.68%
4	Total Loss (%)	11.65%	9.94%	7.01%	12.52%	9.56%

Table 5.16: TRASHI YANGTSE

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	6,953,369.50	9,392,575.50	8,398,487.50	8,735,621.25	13,234,370.75
ii)	Mini/Micro Hydel Generation					-
iii)	Diesel Generation					-
iv)	Import from Trashigang (Chenary & Jamkhar)	802,709.00		488,797.00	382,235.00	496,872.00
v)	Export to Trashigang (Chenary & Jamkhar)	(285,924.00)	(205,022.00)	(188,487.00)	(43,093.00)	(378,625.00)
	Total	7,470,154.50	9,187,553.50	8,698,797.50	9,074,763.25	13,731,242.75
	% growth over previous year	-2.74%	22.99%	-5.32%	-1.23%	51.31%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	3,324,117.00	3,786,031.00	3,584,135.00	3,674,408.00	3,884,838.00
ii)	Rural Cooperatives	1,878.00	1,915.00	2,049.00	3,189.00	2,632.00
iii)	Rural Micro Trade	65,097.00	72,127.00	69,637.00	68,621.00	73,975.00
iv)	Rural Community Lhakhangs	59,852.00	65,212.00	59,576.00	64,811.00	81,573.00
v)	Highlanders	-	-	-	-	96,826.00
vi)	Urban	1,266,322.00	1,411,675.00	1,329,087.00	1,340,152.91	1,385,916.00
vii)	Religious Institutions	122,956.00	128,406.00	114,340.00	136,380.00	164,106.00
viii)	Cottage and Small Scale Industries	111,856.00	108,917.00	113,780.00	107,471.00	266,388.00
ix)	Commercial	491,130.00	573,464.00	615,061.00	669,538.00	763,793.00
x)	Industrial	40,526.00	51,826.00	52,436.00	49,774.00	43,758.00
xi)	Agriculture	32,609.00	34,844.00	34,703.00	28,070.00	109,962.00
xii)	Institutions	934,729.00	1,033,964.00	1,101,056.00	1,228,277.00	1,070,954.00
xiii)	Street lighting	91,081.00	102,045.00	101,734.00	72,395.00	62,927.00
xiv)	Power house auxiliaries	73,280.00	73,240.00	72,640.00	73,400.00	126,111.00
xv)	Temporary connections	207,661.00	342,508.00	216,224.00	281,793.00	792,203.00
xvi)	Bulk	115,360.00	120,320.00	126,700.00	103,400.00	87,951.00
xvii)	EVCS (Electric Vehicle charging station)			4,387.00	4,681.00	9,604.00
	LV Total	6,938,454.00	7,906,494.00	7,597,545.00	7,906,360.91	9,023,517.00
xvii)	Medium Voltage	97,604.00	145,023.00	49,113.00	123,416.00	3,241,370.00
xviii)	High Voltage					
	Total Energy Sales	7,036,058.00	8,051,517.00	7,646,658.00	8,029,776.91	12,643,512.00
	% growth over previous year	4.54%	14.43%	-5.03%	-0.27%	57.46%
3	Number of Customers (Categorywise)					
i)	Rural Residential	4,210	4,382	4,448	4,612	4,692
ii)	Rural Cooperatives	5	4	5	5	5
iii)	Rural Micro Trade	58	59	56	55	58
iv)	Rural Community Lhakhangs	70	72	74	77	76
v)	Highlanders	-	-	-	-	-
vi)	Urban	772	794	832	872	959
vii)	Religious Institutions	27	30	30	30	31
viii)	Cottage and Small Scale Industries	60	62	62	65	68
ix)	Commercial	143	169	165	175	210
x)	Industrial	22	24	21	21	26
xi)	Agriculture	133	135	141	139	146
xii)	Institutions	356	365	354	337	317
xiii)	Street lighting	17	17	16	15	17
xiv)	Power house auxiliaries	2	2	2	2	2
xv)	Temporary connections	105	114	105	105	77
xvi)	Bulk	5	5	4	4	3
xvii)	EVCS (Electric Vehicle charging station)			1	1	1
	LV Total	5,985	6,234	6,316	6,515	6,688
xvii)	Medium Voltage	1	2	1	1	4
xviii)	High Voltage					
	Total Customers	5,986	6,236	6,317	6,516	6,692
	% growth over previous year	4.50%	4.18%	1.30%	4.49%	2.70%
4	Total Loss (%)	5.81%	11.97%	11.84%	11.52%	7.92%

Table 5.17: TSIRANG

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	9,680,711.00	11,129,939.59	10,651,328.00	12,041,636.00	13,607,635.00
ii)	Mini/Micro Hydel Generation	523,695.00		538,695.24	461,326.09	420,763.27
iii)	Diesel Generation		-			-
iv)	Import from Wangdue	139,518.00	187,840.00	177,328.30	229,160.00	208,295.00
v)	Export					-
	Total	10,343,924.00	11,129,939.59	11,367,351.54	12,732,122.09	14,236,693.27
	% growth over previous year	8.32%	7.60%	2.13%	14.40%	11.82%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	5,924,219.00	6,700,690.45	6,826,306.55	7,247,346.74	7,648,225.24
ii)	Rural Cooperatives	10,563.00	14,269.00	13,942.00	18,368.00	14,514.00
iii)	Rural Micro Trade	157,110.00	161,299.00	168,635.00	168,804.00	168,677.00
iv)	Rural Community Lhakhang	26,259.00	30,185.00	38,099.00	38,870.00	46,473.00
v)	Highlanders		-	-	-	-
vi)	Urban	1,246,470.00	1,371,448.00	1,476,337.00	1,574,716.91	1,614,190.00
vii)	Religious Institutions	85,765.00	83,605.00	68,432.00	74,254.00	85,344.00
viii)	Cottage and Small Scale Ind	407,198.00	409,806.00	422,521.00	429,402.00	316,422.00
ix)	Commercial	407,093.00	467,775.00	585,974.00	693,839.13	846,055.00
x)	Industrial	57,827.00	87,975.00	91,872.00	134,303.00	133,019.00
xi)	Agriculture	122,255.00	206,540.00	142,453.00	140,940.00	158,458.00
xii)	Institutions	715,479.00	790,535.00	802,044.00	799,549.00	1,000,874.00
xiii)	Street lighting	108,128.00	98,925.00	100,914.00	104,196.00	116,613.00
xiv)	Power house auxiliaries	79,193.00	83,333.00	81,782.00	64,285.00	57,777.00
xv)	Temporary connections	135,873.00	103,664.00	57,646.00	46,335.00	75,451.00
xvi)	Bulk	601,516.00	598,042.00	526,087.00	525,875.00	586,964.00
xvii)	EVCS (Electric Vehicle charging station)			47,220.00	10,380.00	26,280.00
xviii)	Solar					
	LV Total	10,084,948.00	11,208,091.45	11,450,264.55	12,071,463.78	12,895,336.24
xvii)	Medium Voltage					
xviii)	High Voltage					
	Total Energy Sales	10,084,948.00	11,208,091.45	11,450,264.55	12,071,463.78	12,895,336.24
	% growth over previous year	7.88%	11.14%	2.16%	7.70%	6.82%
3	Number of Customers					
i)	Rural Residential	5,721	5,865	6,045	6,267	6,326
ii)	Rural Cooperatives	9	9	9	9	9
iii)	Rural Micro Trade	103	104	103	104	106
iv)	Rural Community Lhakhang	19	20	26	27	41
v)	Highlanders	-	-	-	-	-
vi)	Urban	623	679	721	770	752
vii)	Religious Institutions	20	20	20	20	23
viii)	Cottage and Small Scale Ind	109	107	104	101	43
ix)	Commercial	174	4	230	279	429
x)	Industrial	4	180	7	7	7
xi)	Agriculture	119	280	134	137	144
xii)	Institutions	269	29	285	290	334
xiii)	Street lighting	29	3	29	30	33
xiv)	Power house auxiliaries	3	35	3	3	3
xv)	Temporary connections	32	6	18	23	30
xvi)	Bulk	6	6	6	6	6
xvii)	EVCS (Electric Vehicle charging station)			1	1	1
	LV Total	7,240	7,347	7,741	8,074	8,287
xvii)	Medium Voltage					
xviii)	High Voltage					
	Total Customers	7,240	7,347	7,741	8,074	8,287
	% growth over previous year			5.36%	9.90%	2.64%
4	Total Loss (%)	2.50%	-0.70%	-1.07%	5.19%	9.42%

Table 5.18: WANGDUE PHODRANG

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	48,788,021.20	52,215,417.41	49,629,176.00	50,671,219.60	42,415,879.00
ii)	Mini/Micro Hydel Generation/Sephu Solar	911,639.00		789,175.06	387,968.17	11,616,646.62
iii)	Diesel Generation					-
iv)	Import from Trongsa	4,466,372.90		2,338,700.00	409,477.00	764,340.00
v)	Export to Tsirang	(139,518.00)	(177,415.00)	(177,328.34)	(346,095.00)	(4,014,455.00)
vi)	HV Purchase	25,659,641.00	22,032,200.00	19,766,711.00	11,287,863.25	-
	Total	54,026,515.10	52,038,002.41	52,579,722.72	51,122,569.77	54,796,865.62
	% growth over previous year	-7.05%	-3.68%	1.04%	-1.76%	7.19%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	9,165,760.00	9,728,683.00	9,943,884.00	10,352,103.01	10,750,031.00
ii)	Rural Cooperatives	15,687.00	19,001.00	12,751.00	17,960.00	24,062.00
iii)	Rural Micro Trade	125,898.00	141,751.00	167,870.00	143,182.00	153,536.00
iv)	Rural Community Lhakhangs	167,127.00	171,261.00	194,298.00	247,452.00	261,588.00
v)	Highlanders	-	-	-	-	-
vi)	Urban	3,035,904.00	3,140,522.00	2,898,928.00	2,912,002.00	2,967,429.00
vii)	Religious Institutions	628,940.00	614,112.00	663,495.00	724,138.00	856,407.00
viii)	Cottage and Small Scale Industries	652,255.00	838,230.00	1,238,575.00	1,403,542.00	1,519,499.00
ix)	Commercial	2,171,208.00	2,390,366.60	2,813,593.00	3,307,329.65	3,741,646.20
x)	Industrial		-	-	-	-
xi)	Agriculture	270,531.00	260,916.00	331,356.00	343,770.00	355,755.00
xii)	Institutions	2,355,951.00	2,349,861.00	2,474,930.89	2,423,719.00	2,779,335.00
xiii)	Street lighting	255,602.00	238,852.00	339,697.00	378,868.00	253,269.00
xiv)	Power house auxiliaries	8,068.00	8,270.00	6,707.00	19,697.00	44,019.00
xv)	Temporary connections	2,710,068.00	3,496,917.00	4,347,652.00	4,680,648.00	4,094,682.00
xvi)	Bulk	2,868,208.00	3,455,937.70	4,085,149.00	4,725,977.70	6,533,015.60
xvii)	EVCS (Electric Vehicle charging station)			29,540.00	41,100.00	77,660.00
	LV Total	24,431,207.00	26,854,680.30	29,548,425.89	31,721,488.36	34,411,933.80
xvii)	Medium Voltage	444,581.00	234,556.00	91,737.00	4,755,470.94	12,343,399.20
xviii)	High Voltage	25,659,641.00	21,969,000.00	19,516,695.00	11,301,543.00	-
	Total Energy Sales	50,535,429.00	49,058,236.30	49,156,857.89	47,778,502.30	50,769,788.00
	% growth over previous year	-8.31%	-2.92%	0.20%	-2.61%	6.26%
3	Number of Customers					
i)	Rural Residential	6,829	6,991	7,153	7,337	7,419
ii)	Rural Cooperatives	6	6	6	6	9
iii)	Rural Micro Trade	53	56	59	55	66
iv)	Rural Community Lhakhangs	134	136	143	166	167
v)	Highlanders	-	-	-	-	-
vi)	Urban	1,480	1,487	1,489	1,493	1,470
vii)	Religious Institutions	67	66	74	78	99
viii)	Cottage and Small Scale Industries	130	137	137	136	153
ix)	Commercial	528	537	592	621	698
x)	Industrial	1	-	-	-	-
xi)	Agriculture	419	463	485	491	505
xii)	Institutions	476	493	512	521	584
xiii)	Street lighting	37	37	37	37	37
xiv)	Power house auxiliaries	2	2	2	3	3
xv)	Temporary connections	339	340	272	280	230
xvi)	Bulk	24	24	29	32	36
xvii)	EVCS (Electric Vehicle charging station)			2	2	3
	LV Total	10,525	10,775	10,992	11,258	11,479
xvii)	Medium Voltage	1	1	-	2	2
ix)	High Voltage	1	1	1		
	Total Customers	10,527	10,777	10,993	11,260	11,481
	% growth over previous year	2.83%	2.37%	2.00%	4.48%	1.96%
4	Total Loss (%)	6.46%	5.81%	6.49%	6.54%	7.35%

Table 5.19: ZHEMGANG

SN	Particulars	2021	2022	2023	2024	2025
1	Energy Requirement in kWh					
i)	Purchase from TD	5,159,205.00		6,595,189.50	7,688,260.50	8,023,107.54
ii)	Mini/Micro Hydel Generation	707,814.04	7,942,376.53	449,472.36	468,187.41	22,458.68
iii)	Diesel Generation					-
iv)	Import from Pema Gatshel/Trongsa	1,606,470.00		1,473,428.00	1,788,948.00	1,852,890.00
v)	Export to Trongsa	(223,053.00)	(233,351.00)	(72,325.00)	(48,620.00)	(1,890.00)
	Total	7,250,436.04	7,709,025.53	8,445,764.86	9,896,775.91	9,896,566.22
	% growth over previous year	10.3%	6.3%	9.6%	28.4%	-0.002%
2	Energy Sales in kWh (Category Wise)					
i)	Rural Residential	2,756,224.00	3,021,357.28	3,446,570.24	3,814,952.48	3,719,223.00
ii)	Rural Cooperatives	2,380.00	2,648.00	3,016.00	4,091.00	4,321.00
iii)	Rural Micro Trade	55,403.00	56,163.00	57,577.00	61,444.00	62,135.00
iv)	Rural Community Lhakhangs	57,559.00	63,173.00	73,641.00	84,149.00	102,691.00
v)	Highlanders		-	-	-	-
vi)	Urban	1,025,081.00	1,041,098.99	1,013,909.67	1,063,526.72	1,068,172.67
vii)	Religious Institutions	88,872.00	101,097.00	100,756.00	108,384.00	154,649.00
viii)	Cottage and Small Scale Industries	105,228.00	117,018.00	146,768.00	104,045.00	78,295.00
ix)	Commercial	381,501.00	455,015.25	466,723.99	512,047.00	594,581.00
x)	Industrial	2,533.00	42.00	-	-	25,641.00
xi)	Agriculture	19,271.00	10,672.00	7,772.00	7,353.00	14,262.00
xii)	Institutions	1,223,588.00	1,291,001.69	1,375,623.00	1,475,138.76	1,836,630.24
xiii)	Street lighting	102,244.00	104,156.00	134,071.00	156,422.00	168,223.00
xiv)	Power house auxiliaries		-	-	-	82.00
xv)	Temporary connections	96,474.00	114,667.00	97,606.00	265,711.00	170,768.00
xvi)	Bulk	287,871.00	229,842.00	754,777.00	1,089,120.00	839,144.00
xvii)	Electric Vehicle			-	160.00	240.00
	LV Total	6,204,229.00	6,607,951.21	7,678,810.90	8,746,383.96	8,839,057.91
xvii)	Medium Voltage					
xviii)	High Voltage					
	Total Energy Sales	6,204,229.00	6,607,951.21	7,678,810.90	8,746,383.96	8,839,057.91
	% growth over previous year	8.8%	6.5%	16.2%	32.4%	1.1%
3	Number of Customers (Categorywise)					
i)	Rural Residential	3,307	3,625	3,764	3,933	3,890
ii)	Rural Cooperatives	11	11	11	12	9
iii)	Rural Micro Trade	39	41	41	41	47
iv)	Rural Community Lhakhangs	79	92	95	100	95
v)	Highlanders	-	-	-	-	-
vi)	Urban	687	677	676	684	673
vii)	Religious Institutions	36	37	36	36	57
viii)	Cottage and Small Scale Industries	31	32	31	36	29
ix)	Commercial	121	139	151	169	220
x)	Industrial	1	-	-	-	15
xi)	Agriculture	35	35	37	37	46
xii)	Institutions	325	340	360	378	411
xiii)	Street lighting	38	40	42	43	38
xiv)	Power house auxiliaries		-	-	-	1
xv)	Temporary connections	28	23	36	51	50
xvi)	Bulk	8	4	12	13	13
xvii)	EVCS (Electric Vehicle charging station)			-	1	1
	LV Total	4,746	5,096	5,292	5,534	5,595
xvii)	Medium Voltage					
xviii)	High Voltage					
	Total Customers	4,746	5,096	5,292	5,534	5,595
	% growth over previous year	4.72%	7.37%	3.85%	8.59%	1.10%
4	Total Loss (%)	14.43%	12.77%	9.00%	11.62%	10.69%

5.20: PATTERN OF DAILY ELECTRICITY USE

Comparison of domestic load consumption pattern of Thimphu and Phuentsholing during summer and winter for year 2025 is shown in Table 5.20. Thimphu has huge energy demand variances during winter and summer while Phuentsholing has negligible variances.

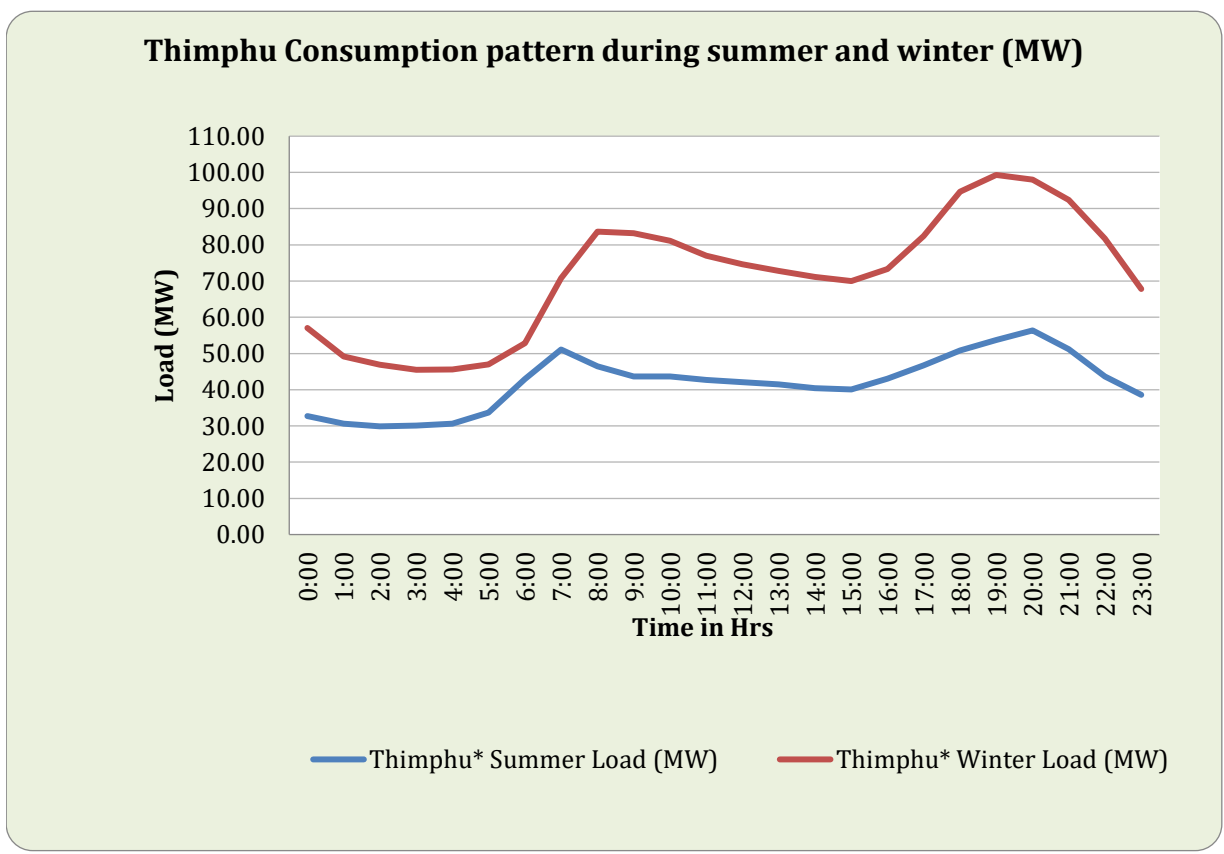
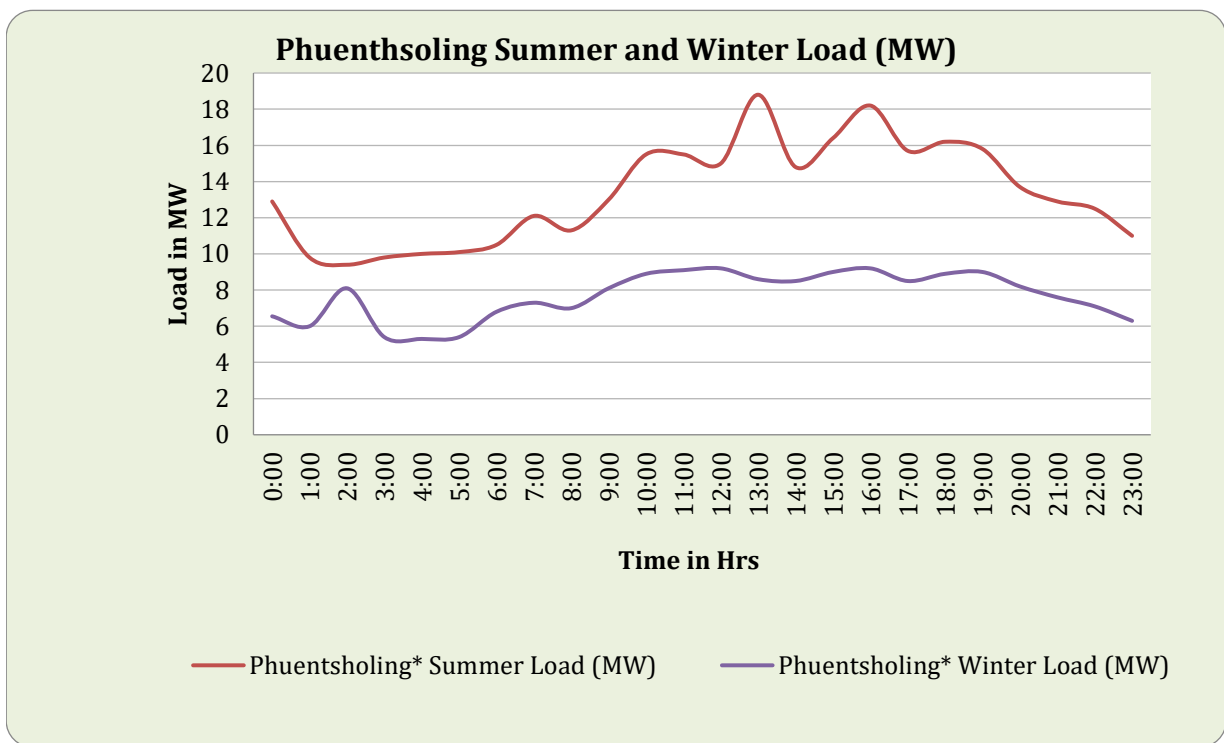
Table 5.20 shows Comparison of daily electricity consumption in Thimphu and Phuentsholing

Time	Thimphu Load		Phuentsholing Load*	
	Jun/25	Dec/25	Jun/25	Dec/25
	Summer Load (MW)	Winter Load (MW)	Summer Load (MW)	Winter Load (MW)
0:00	32.74	57.04	12.9	6.55
1:00	30.60	49.19	9.8	6.00
2:00	29.88	46.88	9.40	8.10
3:00	30.08	45.50	9.8	5.40
4:00	30.6	45.6	10	5.30
5:00	33.72	47.02	10.1	5.40
6:00	43.00	52.86	10.5	6.80
7:00	51.09	70.78	12.1	7.30
8:00	46.50	83.64	11.3	7.00
9:00	43.62	83.19	13	8.10
10:00	43.68	81.13	15.5	8.90
11:00	42.70	77.02	15.5	9.10
12:00	42.05	74.65	15	9.20
13:00	41.46	72.76	18.8	8.60
14:00	40.40	71.12	14.8	8.50
15:00	40.04	70.01	16.4	9.00
16:00	43.05	73.35	18.2	9.20
17:00	46.76	82.46	15.7	8.50
18:00	50.80	94.66	16.2	8.90
19:00	53.75	99.3	15.8	9.00
20:00	56.37	97.99	13.7	8.20
21:00	51.17	92.38	12.9	7.60
22:00	43.67	81.76	12.5	7.1
23:00	38.59	67.79	11	6.3

 - Minimum load  - Maximum load

Note : * Only from Phuentsholing Substation

Daily electricity consumptions during winter and summer month in Phuentsholing and Thimphu is presented in the figures below.



5.3 : Yearly Overall Reliability Indices for Year 2024 and 2025

SAIFI

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	AVG	Total
2024	1.03	1.35	2.11	3.16	4.24	3.29	3.72	3.27	2.57	2.29	1.02	0.76	2.4	28.82
2025	0.92	1.13	1.83	2.73	2.52	2.63	2.56	1.82	1.85	1.36	0.97	0.97	1.77	21.28

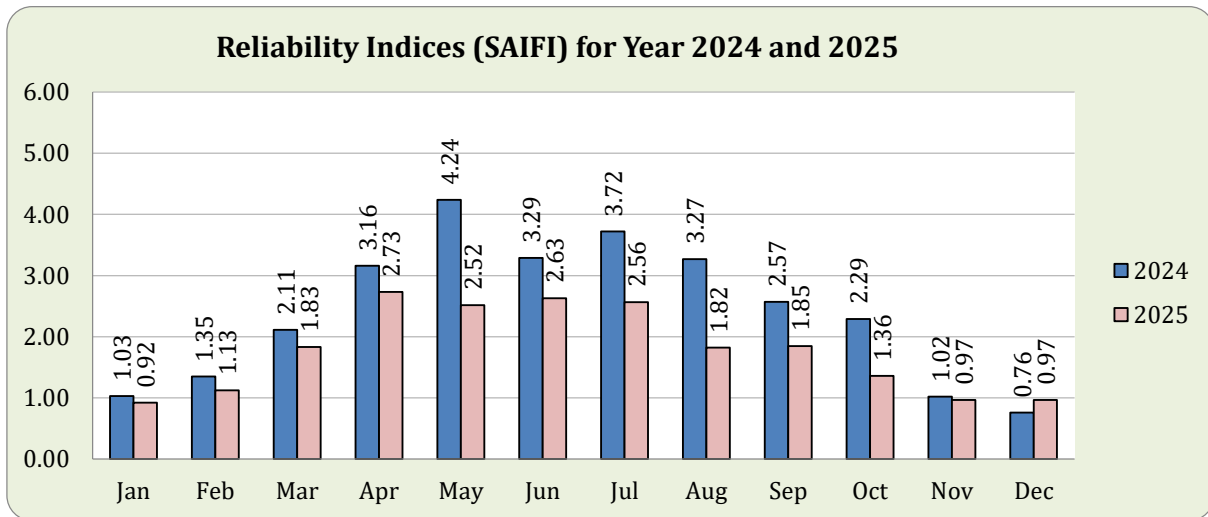
SAIDI

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	AVG	Total
2024	1.15	1.5	2.94	4.48	8.56	5.86	5.99	4.9	2.92	2.86	0.95	0.93	3.59	43.03
2025	1.29	1.82	2.99	2.85	6.38	2.80	4.09	2.70	2.17	1.93	1.84	2.02	2.74	32.88

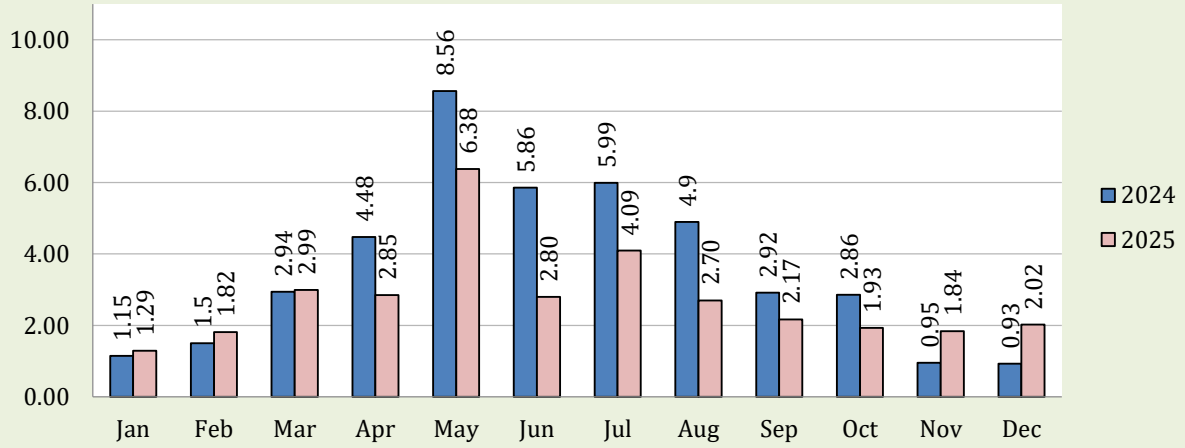
MAIFI

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	AVG	Total
2024	0.37	0.45	1.2	1.5	1.5	1.86	1.92	1.46	1.63	1.39	0.61	0.69	1.21	14.58
2025	0.46	0.68	0.88	1.82	1.14	0.05	0.05	0.07	0.05	1.22	0.79	0.82	0.67	8.01

Figures shows the SAIFI, SADI and MAIFI comparison during Year 2024 and 2025



Reliability Indices (SAIDI) for Year 2024 and 2025



Reliability Indices (MAIFI) for Year 2024 and 2025

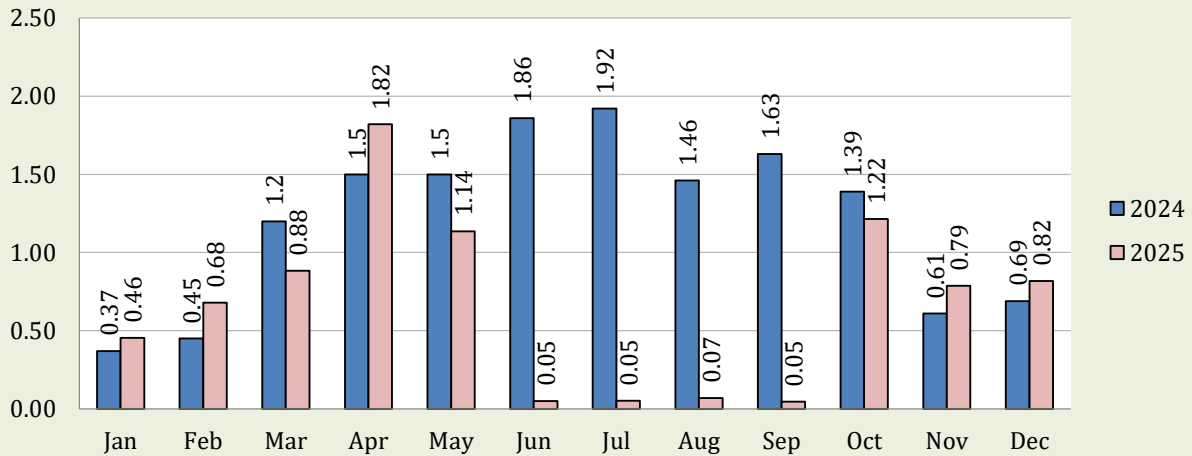
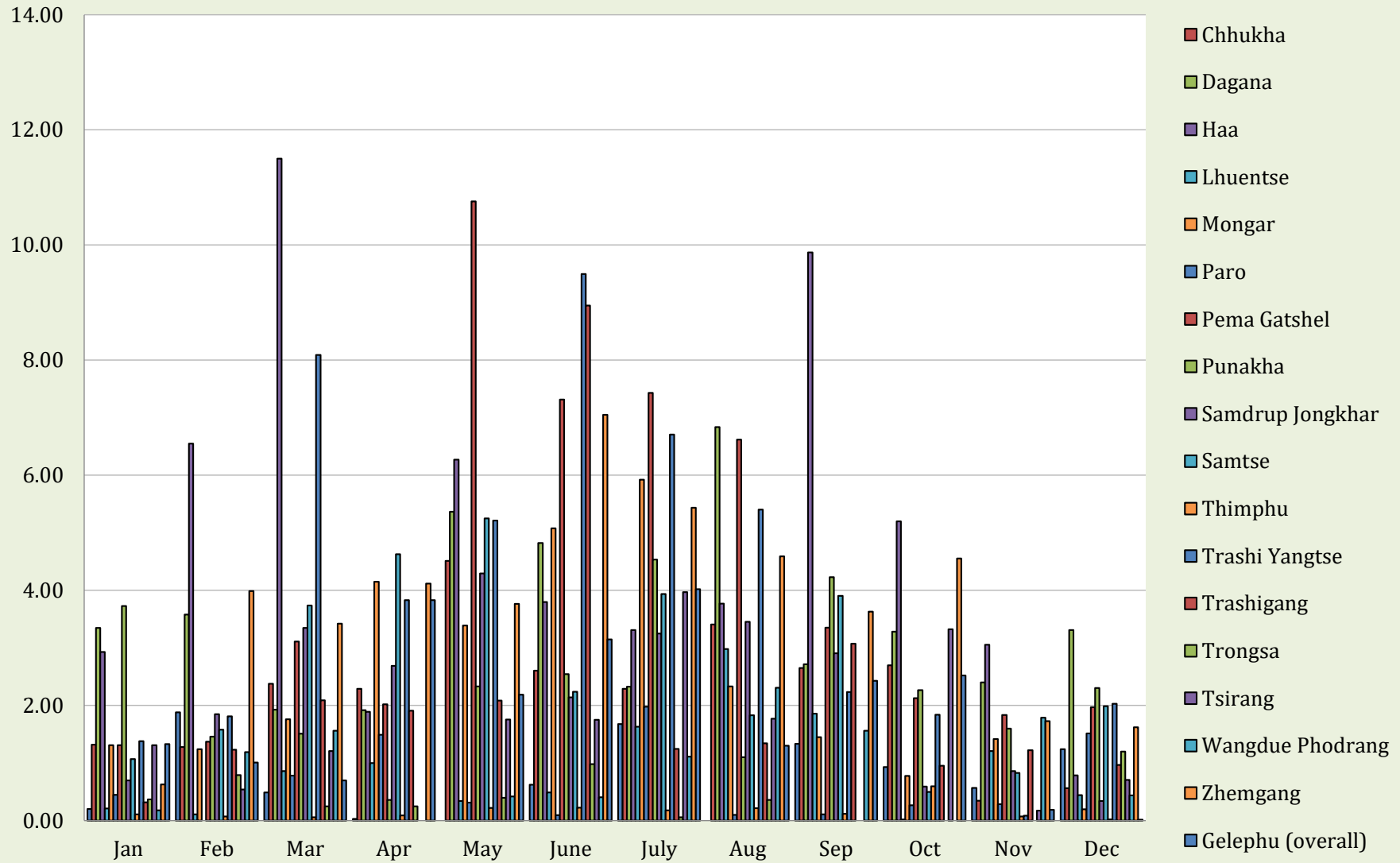


Table 5.4 : ESD-wise Reliability Indices (SAIFI) for Year 2025

SN	Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Bumthang	0.20	1.88	0.49	0.03	0.00	0.63	1.68	0.00	1.33	0.93	0.57	1.24
2	Chhukha	1.32	1.28	2.38	2.29	4.51	2.61	2.29	3.41	2.65	2.70	0.35	0.57
3	Dagana	3.35	3.58	1.93	1.92	5.37	4.82	2.33	6.84	2.72	3.28	2.40	3.31
4	Haa	2.93	6.55	11.50	1.89	6.27	3.80	3.31	3.77	9.87	5.20	3.06	0.79
5	Lhuentse	0.21	0.11	0.86	1.00	0.34	0.49	1.63	2.98	1.86	0.02	1.21	0.44
6	Mongar	1.31	1.24	1.76	4.15	3.39	5.08	5.92	2.33	1.45	0.78	1.42	0.20
7	Paro	0.45	0.00	0.78	1.49	0.31	0.09	1.98	0.10	0.11	0.27	0.29	1.52
8	Pema Gatshel	1.31	1.37	3.11	2.02	10.76	7.31	7.43	6.62	3.35	2.13	1.84	1.97
9	Punakha	3.73	1.46	1.51	0.36	2.33	2.54	4.54	1.10	4.23	2.27	1.60	2.31
10	Samdrup Jongkhar	0.70	1.85	3.35	2.69	4.29	2.14	3.25	3.45	2.91	0.59	0.86	0.34
11	Samtse	1.07	1.58	3.74	4.63	5.25	2.24	3.94	1.83	3.91	0.50	0.83	1.99
12	Thimphu	0.11	0.07	0.06	0.09	0.22	0.23	0.18	0.21	0.12	0.59	0.07	0.02
13	Trashigang	1.38	1.81	8.09	3.83	5.21	9.49	6.71	5.41	2.23	1.84	0.09	2.03
14	Trashigang	0.32	1.23	2.09	1.91	2.09	8.95	1.25	1.34	3.08	0.96	1.22	0.97
15	Trongsa	0.37	0.79	0.25	0.25	0.40	0.98	0.06	0.36	0.00	0.00	0.00	1.20
16	Tsirang	1.31	0.54	1.21	0.00	1.76	1.75	3.97	1.77	0.00	3.33	0.17	0.71
17	Wangdue Phodrang	0.18	1.19	1.56	0.00	0.42	0.40	1.11	2.31	1.56	0.00	1.79	0.44
18	Zhemgang	0.63	3.99	3.42	4.12	3.77	7.05	5.44	4.59	3.63	4.56	1.73	1.62
19	Gelephu (overall)	1.33	1.01	0.70	3.83	2.19	3.15	4.02	1.30	2.43	2.52	0.19	0.02
	BPC Overall	0.92	1.13	1.83	2.73	2.52	2.63	2.56	1.82	1.85	1.36	0.97	0.97

ESD-wise Reliability Indices (SAIFI) for Year 2025



5.5 : ESD-wise Reliability Indices (SAIDI) for Year 2025

SN	Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Bumthang	0.08	8.97	2.68	0.11	0.00	0.64	7.59	0.00	3.64	2.59	2.81	7.766
2	Chhukha	2.87	2.60	3.67	13.64	13.12	4.47	3.23	7.28	6.83	5.03	0.76	0.861
3	Dagana	5.47	3.92	0.87	0.28	8.60	4.44	2.89	3.78	1.08	7.57	2.27	4.122
4	Haa	2.25	3.01	20.60	3.25	19.24	9.36	10.14	9.97	7.10	14.27	4.22	1.928
5	Lhuentse	1.82	0.31	1.02	1.01	3.97	3.34	3.63	4.07	9.98	0.17	5.11	0.122
6	Mongar	0.81	1.46	1.38	1.36	1.64	1.59	4.82	1.36	1.05	0.30	3.37	0.153
7	Paro	0.41	0.00	0.74	3.09	0.20	0.03	3.11	0.40	0.93	0.25	1.80	10.339
8	Pema Gatshel	2.49	1.03	4.79	4.43	19.03	1.50	18.18	7.66	5.10	1.59	1.29	4.067
9	Punakha	2.25	3.39	1.32	0.54	2.23	1.50	3.10	0.63	1.79	1.21	0.70	1.321
10	Samdrup Jongkhar	0.87	3.69	5.69	7.08	15.83	3.56	4.96	8.91	1.84	0.48	0.92	0.173
11	Samtse	1.64	5.52	10.24	11.27	9.98	2.91	9.10	5.57	5.41	0.78	3.09	1.915
12	Thimphu	0.56	0.06	0.07	0.42	5.68	0.33	0.09	0.64	0.49	0.44	0.33	0.013
13	Trashigang	3.28	1.16	11.22	2.2	1.53	3.62	11.62	1.93	1.96	1.80	0.14	4.390
14	Trashigang	0.40	1.82	3.44	0.8	2.08	2.69	0.40	0.52	0.80	1.18	3.54	0.437
15	Trongsa	0.60	0.29	0.10	0.04	0.05	1.82	0.11	0.05	0.00	0.00	0.00	2.450
16	Tsirang	1.65	1.90	3.06	0	5.11	1.93	7.10	2.85	0.96	6.90	0.02	0.734
17	Wangdue Phodrang	0.02	1.97	0.67	0	0.31	0.39	0.84	3.29	0.97	0.00	0.52	2.479
18	Zhemgang	2.30	1.00	2.03	2.93	5.81	23.20	8.40	4.09	3.55	2.81	5.81	2.384
19	Gelephu (overall)	0.85	1.02	1.88	4.59	6.75	7.24	5.84	1.3	2.160	3.200	0.900	0.084
	BPC Overall	1.29	1.82	2.99	2.85	6.38	2.80	4.09	2.70	2.17	1.93	1.84	2.02

ESD-wise Reliability Indices (SAIDI) for Year 2025

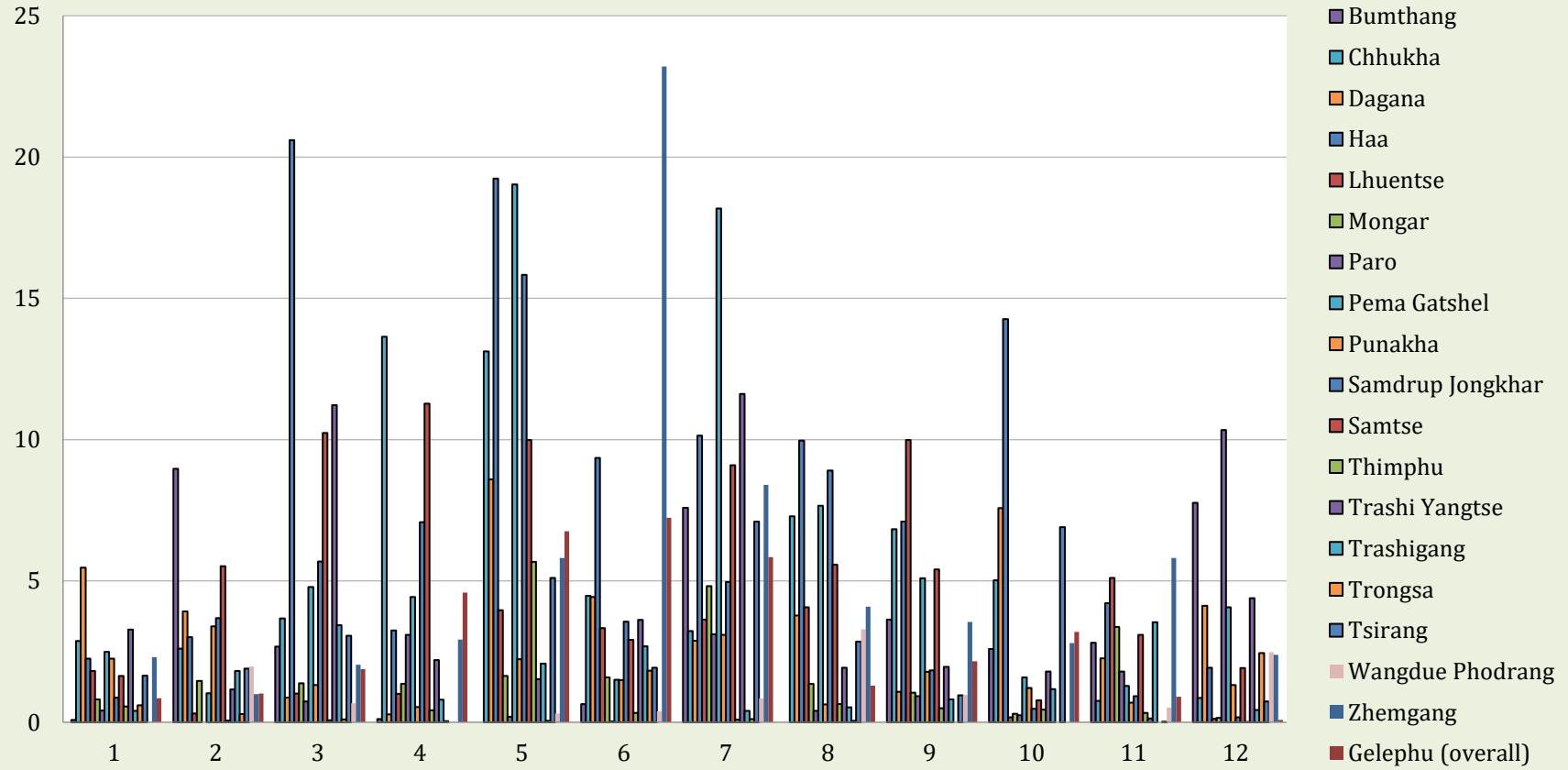
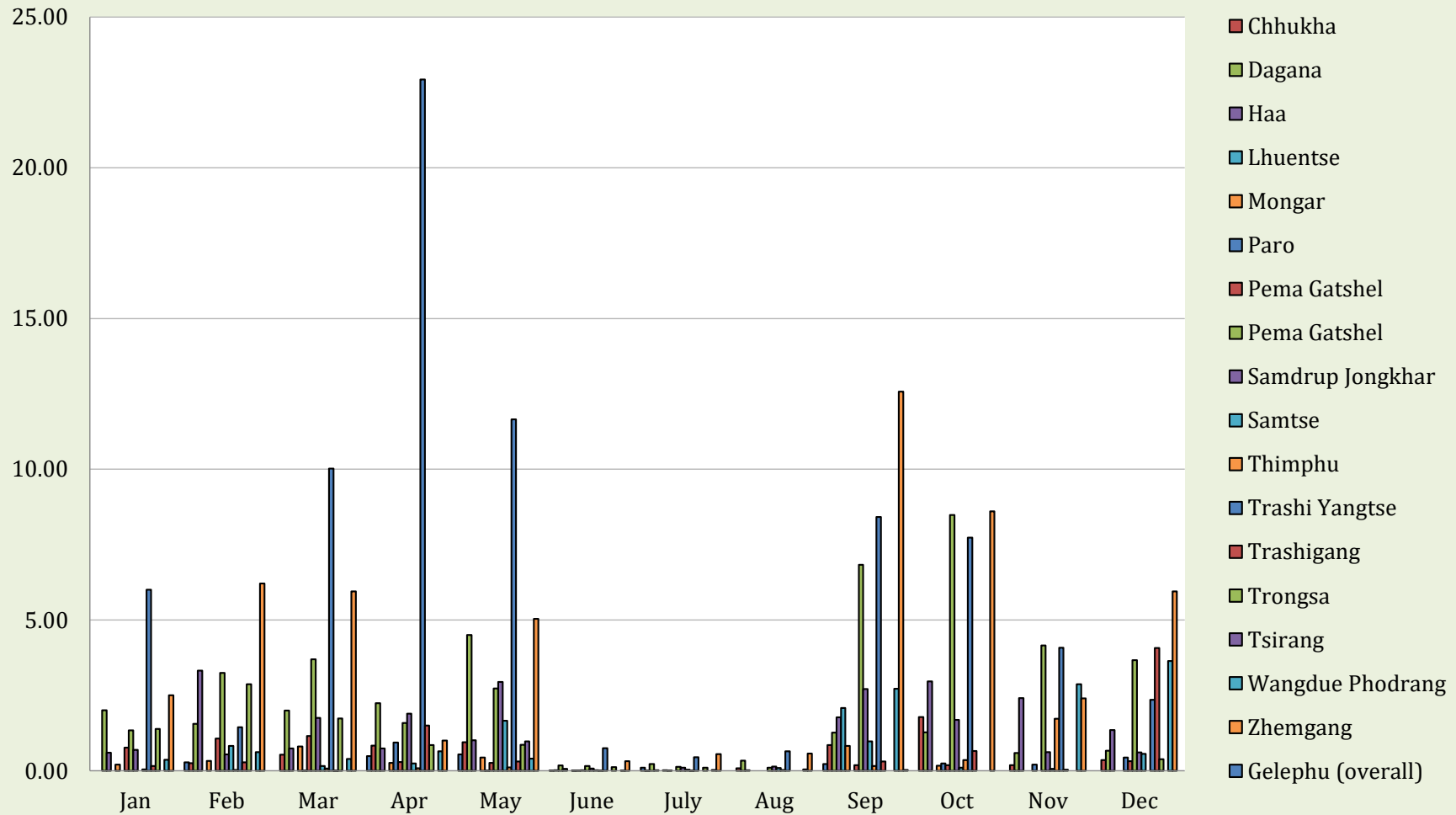


Table 5.6 : ESD-wise Reliability Indices (MAIFI) for Year 2025

SN	Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Bumthang	0.00	0.28	0.00	0.48	0.54	0.00	0.10	0.00	0.22	0.00	0.00	0.00
2	Chhukha	0.00	0.25	0.53	0.83	0.95	0.02	0.01	0.08	0.85	1.78	0.18	0.36
3	Dagana	2.01	1.56	2.00	2.25	4.50	0.18	0.22	0.33	1.26	1.27	0.59	0.67
4	Haa	0.60	3.33	0.74	0.74	1.02	0.07	0.02	0.02	1.77	2.96	2.41	1.35
5	Lhuentse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.00	0.00	0.00
6	Mongar	0.21	0.32	0.80	0.26	0.44	0.01	0.02	0.00	0.83	0.17	0.00	0.00
7	Paro	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.24	0.20	0.44
8	Pema Gatshel	0.77	1.07	1.15	0.29	0.26	0.01	0.00	0.00	0.19	0.19	0.00	0.32
9	Punakha	1.34	3.25	3.69	1.59	2.73	0.16	0.13	0.10	6.84	8.48	4.15	3.67
10	Samdrup Jongkhar	0.69	0.54	1.76	1.89	2.94	0.07	0.10	0.14	2.71	1.69	0.61	0.61
11	Samtse	0.00	0.82	0.15	0.24	1.66	0.01	0.04	0.09	0.97	0.10	0.06	0.56
12	Thimphu	0.05	0.03	0.07	0.08	0.11	0.01	0.01	0.03	0.16	0.35	1.72	0.00
13	Trashigang	6.01	1.44	10.02	22.93	11.66	0.75	0.45	0.65	8.42	7.73	4.08	2.36
14	Trashigang	0.16	0.28	0.01	1.50	0.31	0.00	0.00	0.00	0.30	0.66	0.03	4.07
15	Trongsa	1.39	2.87	1.74	0.85	0.86	0.12	0.11	0.00	0.00	0.00	0.00	0.38
16	Tsirang	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	Wangdue Phodrang	0.37	0.62	0.39	0.65	0.41	0.01	0.02	0.04	2.72	0.00	2.87	3.64
18	Zhemgang	2.50	6.21	5.95	1.00	5.04	0.32	0.55	0.57	12.57	8.61	2.40	5.95
19	Gelephu (overall)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
	BPC Overall	0.46	0.68	0.88	1.82	1.14	0.05	0.05	0.07	0.05	1.22	0.79	0.82

ESD-wise Reliability Indices (MAIFI) for Year 2025



CHAPTER 6
ELECTRICITY TARIFF

The information on various electricity tariff is given in this chapter. The electricity tariff levied by BPC to its customer, the wheeling charge, the tariff levied by DGPC to BPC & export and import prices are included.

Table 6.1: DOMESTIC ELECTRICITY TARIFFS LEVIED BY BPC

Tariff Structure	Unit	1st July 2021 to 31st August 2022	1st September 2022 - 30th June 2025	1st September 2022 - 30th June 2025
Low Voltage (LV)				
LV Block I (Rural) 0-100 kWh	Nu./kWh	0	0	0
LV Block I (Highlanders) 0-200 kWh	Nu./kWh	0	0	0
LV Block I(Others) 0-100 kWh	Nu./kWh	1.28	1.28	1.28
LV Block II(All) 101-500 kWh	Nu./kWh	2.68	2.66	2.66
LV Block III(All) >500 kWh	Nu./kWh	3.64		
LV Bulk	Nu./kWh	4.14		
Medium Voltage (MV)				
Energy Charge	Nu./kWh	2.65	1.6	1.6
Demand Charge	Nu./kVA/Month	325	170	170
High Voltage (HV)				
Energy Charge	Nu./kWh	1.5	1.6	1.6
Demand Charge	Nu./kVA/Month	292	496	496

Table 6.2: AVERAGE TARIFF

Customer	Unit	1st July 2021 to 31st August 2022	1st SEPTEMBER 2022 - 30th JUNE 2025	1st SEPTEMBER 2022 - 30th JUNE 2025
HV	Nu./kWh	2.26	2.66	2.66
MV	Nu./kWh	5.15	2.66	2.66
LV	Nu./kWh	5.06	2.66	2.66

Table 6.3: WHEELING CHARGES

	Unit	1st July 2021 to 31st August 2022	1st SEPTEMBER 2022 - 30th JUNE 2025	1st SEPTEMBER 2022 - 30th JUNE 2025
Charges	Nu./kWh	0.27	0.23	0.23

Table 6.4: ELECTRICITY TARIFF LEVIED BY GENERATING COMPANIES

Name of Plant	Export Tariff (Nu./kWh)	Domestic Tariff (Nu./kWh)		
		1st March 2026 - 30th June 2026	1st July 2026 - 30th June 2027	1st July 2027 - 30th June 2028
Chukha	3.00	2.05	2.05	2.05
Basochhu				
Kurichhu	2.23	2.05	2.05	2.05
Tala	2.23	2.05	2.05	2.05
Dagachhu	3.61	2.05	2.05	2.05
Mangdechhu	4.54	2.05	2.05	2.05
THyE	3.5	3.75	3.75	3.75
PHPA-II	5.1	4.28	4.28	4.28
DSP - Solar	-	4.07	4.07	4.07

CHAPTER 7

FIBER NETWORK

This chapter provides information on the ground wire with Optical Ground Wire (OPGW) on transmission lines and All Dielectric Self Supporting (ADSS) Optical Fibers on BPC distribution Poles. The National Broadband Master Plan of Bhutan envisages optical fiber connectivity to all the twenty (20) District Headquarters and Gewogs. As part of the first phase of the National ICT Broadband Master Plan, BPC has carried out live line replacement of the existing Ground Wire with OPGW on existing 220kV, 132kV and 66kV transmission lines and live line installation of All Dielectric Self Supporting (ADSS) Optical Fibers on existing BPC distribution Poles. The OPGW has terminated at the high voltage substations of BPC, which are generally located near the Dzongkhag Headquarters. All Dielectric Self Supporting (ADSS) Optical Fiber cable connectivity is taken up from the high voltage substations to the Districts Headquarters, BPC Offices, Gewog Centers and further extended to the government offices. The total OPGW line length coverage in the country is 1,731.50 KM (table 7.1) and total ADSS line length is 3264.29 KM (table 7.2) as of December 2025.

Table 7.1: OPTICAL GROUND WIRE (OPGW) IN TRANSMISSION LINES

SN	Terminal Points	Line Length (KM)	Voltage level (kV)	Total No. of fibres
1	Malbase - Siliguri	27.08	400	24
2	MHP -Jigmeling	95.26	400	24
3	Tala Power House - Malbase	27.80	400	24
4	PUNA II - Jigmeling	65.00	400	24
5	Merung - Corlung	20.45	400	24
6	PUNA I - Lhamoizingkha (B)	94.60	400	24
7	PUNA I - Lhamoizingkha (A)	97.41	400	23
Sub -Total		427.60		
4	Semtokha - Rurichu (BHPC)	37.24	220	24
5	Semtokha - Chhukha	57.20	220	24
6	Chhukha - Malbase	33.30	220	24
7	Darjey - Dagapela	25.23	220	16
8	Darjey - Dagachhu	22.44	220	8
9	Darjey - Jigmeling	33.95	220	24
10	Jigmeling - Gelephu	16.93	220	24
11	Malbase-Damdum	42.82	220	24
12	Rurichu -Tsirang	50.55	220	24
13	Malbase - Singegaon	2.50	220	24
14	Jamjee - Chhukha	39.40	220	18
Sub -Total		361.56		
18	Gelephu-Tintibi	49.06	132	24
19	Tintibi-Nganglam	82.93	132	24
20	Nangkhor-Deothang	25.60	132	24
21	Nangkhor-Nganglam	36.80	132	24
22	Kurichhu-Nangkhor	33.74	132	24
23	Kurichhu-Kilikhar	11.39	132	24
24	Kilikhar-Kanglung	32.19	132	12
25	Kilikhar-Corlung	47.92	132	12
26	Kanglung -Corlung	24.45	132	12
27	Kilikhar-Tangmachu	45.93	132	24
28	Deothang - Motanga	12.33	132	24
29	Motang - Phuntshothang	23.03	132	24
30	Phuntshothang - Kanglung	55.56	132	24
31	Motanga-Nganglam	34.92	132	24
32	MHP- Yurmoo	2.23	132	24

SN	Terminal Points	Line Length (KM)	Voltage level (kV)	Total No. of fibres
32	Nikachhu-Mangdechhu Line	20.69	132	24
Sub - Total		538.77		
33	Olakha -Gigakom Hydel	13.33	66	24
34	Gigakom Hydel - Jamjee	9.67	66	24
35	Jamjee - Paro	25.19	66	24
36	Jamjee - Haa	36.16	66	24
37	Chukha - Gedu	21.70	66	24
38	Gedu -Phuentsholing	18.01	66	24
39	Lobesa-Rurichhu	21.90	66	24
40	Tintibi -Yurmoo	32.29	66	24
41	Yurmoo - Garpang	39.36	66	24
42	Yurmoo - Kewathang	18.90	66	24
43	Olakha - Simtokha	1.90	66	24
44	Singegaon - Phuentsholling	9.10	66	24
45	Phuntsholing - Gomtu	28.29	66	24
46	Gomtu - Damdum	15.84	66	24
47	Damdum - Jamtsholing	28.30	66	24
48	Dechencholing - Damji	47.98	66	24
49	Jemina-Changedaphu	11.10	66	24
50	Simtokha-Lobesa	24.55	66	24
Sub - Total		403.57		
Grand Total		1,731.50		

Table 7.2: ALL DIELECTRIC SELF SUPPORTING (ADSS) OPTICAL

SN	Dzongkhag	Terminal point (A)	Terminal point (B)	No. of fibers	Line Length (KM)
1	Bumthang	Garpang S/S	Chumey gewog	12	12.16
			Tang	12	12.24
			Chhoekhor	12	11.83
			Ura	12	25.94
2	Chhukha	Gedu S/S	Getena	4	28.11
			Darla	4	9.39
			ESSD Gedu	2	1.13
			Bongo	48	8.27
		Watsa S/S	Chapcha	12	5.17
		Chukha S/yard	Tsimasham ESSD	8	0.31
			Bjachho	8	2.05
			Geling	8	16.73
		Malabase S/S	Sampheling	24	5.44
		Phuntsholing S/S	Metekha	6	4.46
			Dungna	6	15.17
			Logchina	6	7.71
			Phuntsholing	6	4.68
		Gedu S/S	Deorali/ Karmaling	4	11.21
			Lhamoizingkha	6	62.47
			Ninchula	4	1.19
		Darla	Sinchula BHU	24	0.94
			Rinchentse BHU	24	0.28
			Arikha BHU	24	0.14
		Dungna	BHU	24	0.26
Logchina	Khatoekha BHU	24	0.45		
3	Dagana	Dagapela S/S	Goshi	24	4.57
			Tsendagang	24	3.29
			Kana	12	17.24
			Tseza	12	14.70
			Tashiding	24	8.34
			Dorona	12	9.14
			Geserling	12	6.99
			Khibisa	24	8.07
			PL2 tower	24	5.00
		Darje S/S (Tsirang)	Drujegang	8	16.48
			Lajab	8	14.45
		Darje S/S (Tsirang)	Tshangkha	8	0.16
		Lhamoizingkha BTL exchange	PL2-31 tower	24	3.13

SN	Dzongkhag	Terminal point (A)	Terminal point (B)	No. of fibers	Line Length (KM)
4	Gasa	Goenkhatoe T-point	Laya	24	27.00
		Lobesa S/S	Goenkhatoe	4	12.34
			Goenkhamae	2	16.06
5	Haa	Phuntsholing S/S	Gakiling	4	59.36
			Sombaykha	4	73.45
		Haa S/S	Bji	8	5.20
			ESD office	8	1.65
			Samar	12	8.32
			Eusu	12	5.71
			Katsho	8	0.84
6	Lhuntse	Tangmachu S/S	ESD office	6	3.17
			Kurtoe	6	8.76
			Khoma	6	13.55
			Gangzur	6	17.68
			Metsho	12	25.03
			Tshenkhar	8	7.83
			Jarey	8	12.37
			Maenbi	24	2.96
			Minjey	24	4.22
			Ura, Bumthang	24	58.32
		Gangzur	Thimyul BHU	24	1.33
		Khoma	BHU	24	1.81
		Tsenkhar	Autsho BHU	24	0.98
		Menbi	Tangmachu BHU	24	0.28
		Medtsho	Gortsum BHU	24	0.76
Minjey	BHU	24	1.07		
7	Mongar	kilikhar S/S	Drepoong	6	5.72
			Kengkhar	6	25.82
			Silambi	6	23.04
			Jurmed	6	7.48
			Ngatshang	12	17.61
			Chagskhar	6	6.91
			Thang-Rong	6	11.55
			Shermuhoong	12	6.44
			Balam	12	8.83
			ESD Mongar	12	5.17

SN	Dzongkhag	Terminal point (A)	Terminal point (B)	No. of fibers	Line Length (KM)	
8	Mongar	kilikhar S/S	Mongar GC	12	0.56	
			Saling	6	15.78	
			Tsamang	6	20.63	
			Chhaling	6	3.89	
		kilikhar S/S	Tsakaling	6	5.63	
			Bondeyma Gyalsung	24	17.73	
		Kanglung S/S	Dramitse	6	13.54	
			Narang	6	7.50	
		T-off Kurizampa	Gelposhing TOMS	2	0.66	
		Nganglam S/S	Gongdue	8	28.42	
		Mongar	Dzongdag Residence	24	0.30	
		Weringla	Dungkhag	24	0.70	
		Paro	Olathang S/S	Hungrel	6	2.18
				Dopshari	6	2.43
	Doteng			6	4.55	
	Shaba			6	6.35	
	Paro ESD			6	1.24	
	Wangchang			24	2.11	
	Royal Acadamy			6	9.29	
	Lyuni			12	5.42	
	Tsento			24	5.86	
Lango	24			7.57		
Jamjee S/S	Dogar		24	6.50		
Watsa S/S	Naja	24	16.88			
Dogar	Chuzom RBP Check Point	24	0.29			
9	Pemagatsel	Nangkhor S/S	Khar	6	3.36	
			TMD Nangkhor	2	0.07	
			Dungmin	6	9.85	
			Chongshing	12	5.95	
			Zobel	12	8.72	
			Nanong	12	21.44	
			Yurung	12	8.32	
			Chimung	12	8.86	
			ESD office	12	3.20	
			Shumar	12	1.65	
		Nanglam S/S	Chokhorling	12	22.38	
			Dechenling	28	8.55	
			Gongdue	8	28.42	
		Nanglam S/S	Nganglam ESSD	2	3.50	
			Norbugang	12	14.94	
		Nanong	RNR	24	0.30	
		Chimung	RNR	24	0.30	
Dungmin	RNR	24	0.34			
Nganglam	Dungkhag	24	1.50			

SN	Dzongkhag	Terminal point (A)	Terminal point (B)	No. of fibers	Line Length (KM)
10	Punakha	Lobesa S/S	Baap	6	1.81
			Talo	4	7.84
			Kabjisa	4	17.81
			Goenshari	4	10.88
			Shengana	6	10.90
			Guma	6	3.56
			Dzome	6	0.84
			Toewang	6	6.55
			Chhubu	6	0.93
			Khuruthang ESD office	10	6.36
			ESD, Wangdue	24	4.06
			Lingmukha	6	3.78
			Toepisa	24	10.83
		Barp	Lobesa sub post	24	0.33
		Barp	RNR	24	1.19
		Toepisa	BHU	24	0.19
		Toepisa	Thinleygang Pry School	24	0.20
		Toepisa	RNR	24	0.17
		Talo	Norbugang BHU	24	1.49
		Talo	Norbugang Pry School	24	0.17
		Talo	Lapsakha Pry School	24	0.52
		Kabisa	BHU	24	0.10
		Goenshari	BHU	24	0.30
		Goenshari	Goenshari Pry School	24	0.10
		Chubu	Nawakha CPS	24	0.62
		Toewang	Samdingkha BHU	24	0.20
		Toewang	RNR	24	0.08
		Dzomi	Mendrelgang Pry School	24	0.25
		Shengana	RNR	24	0.42
		Lingmukha	Tshochasa BHU	24	0.30
		Lingmukha	Tshochasa Pry School	24	0.40

SN	Dzongkhag	Terminal point (A)	Terminal point (B)	No. of fibers	Line Length (KM)
11	Samdrup Jongkhar	Lingmukha	RNR	24	0.26
			ESD S/jongkhar	12	14.17
			Deothang	12	4.60
			Orong	24	7.51
			Gomdar	12	26.12
			Wangphu	12	31.20
		Phuntshothang S/S	Phuntshothang	4	5.80
			Pemathang	4	11.00
			Martshala	24	5.50
			Samrang	4	20.80
			Langchenphug	4	58.90
			Serthi	4	79.20
			Lauri	4	104.70
		Tapping from Dewathang Gewog	Dewathang ESSD	2	0.18
		Tapping from Dewathang Gewog	Bangtar ESSD	2	0.09
		Pemathang	BHU	24	0.60
		Phuntshothang	BHU	24	0.50
		Martshalla	BHU	24	0.90
		Samrang	BHU	24	0.84
		Langchenphu	Jomotshangkha BHUI	24	0.44
		Serthi	Minjiwoong BHU I	24	0.90
		Wangphu	BHU	24	0.21
		Gomdar	BHU I	24	0.90
		Phuntshothang	Samdrupcholing Dungkhag	24	0.70
		Jomotshangkha	Dungkhag	24	0.30
		S/J Thromde	Thromde	24	3.00
		Phuntshothang S/S	Pemathang Gyalsung R1	24	11.60
			Pemathang Gyalsung R2	24	11.90
			Samrang GC	4	10.95
		Samrang GC	Langchenphu GC	24	43.55
Sethi GC	Lauri	6	25.60		
Langchenphu GC	Sethi GC	6	15.16		

SN	Dzongkhag	Terminal point (A)	Terminal point (B)	No. of fibers	Line Length (KM)
12	Samtse	Samtse ESD	Samtse	6	3.89
			Nainital/Ugyentse	6	4.80
			Chargarey/sangacholing	8	7.44
			Lehereni/Namgaychhoeling	8	6.66
			Biru /Pemaling	6	2.48
			Sipsu ESSD	6	1.10
			Chengmari/Norbugang	6	6.40
			Ghounney/yoeseltse	6	6.47
			Sipsu/Tashicholing	6	8.58
			Tendu	6	12.44
			Bara/Norgaygang	6	3.95
			Gomtu S/S	24	16.95
			Damdum S/S	24	4.37
			Dzong	24	1.16
		Gomtu S/S	Pagli/Phuentshog pelri	24	1.09
		Phuntsholing S/S	Dorokha/Dophoogchen	4	38.06
			Dorokha ESSD	2	37.87
			Tading	10	11.47
			Dungtoe	4	11.30
			Denchukha	6	12.87
Sipsoo S/S	Jamtsholing Gyalsung	24	4.01		
13	Sarpang	Gelephu S/S	Bhur/Samtenling	8	10.55
			Gelephu GC	6	3.78
			Shershong	6	12.96
			Jigmecholing	8	23.92
			Umling	6	13.50
			Dekiling	8	14.29
			Shomphangkha	6	5.60
			Churzagang	6	2.71
			Hilley/Gakiling	6	3.67
			ESD office Gelephu	6	1.92
			ESSD office Sarpang	6	4.63
			Singye	8	7.85
			Dovan/ Chhudzom	6	30.92
			Takai/Tareythang	6	17.24
			Tareythang Gyalsung	24	21.17

SN	Dzongkhag	Terminal point (A)	Terminal point (B)	No. of fibers	Line Length (KM)
14	Thimphu	Semtokha S/S	Chang	24	1.33
			Dagala	24	5.06
			IT park	24	4.30
			DPH	24	6.09
			Olakha S/S	48	2.97
		Jamjee S/S	Gyenekha	24	8.95
		Gidagom	Jemina	24	5.93
			Mewang	24	0.67
		Dechencholing S/S	Kawang	24	2.64
			Begana	24	6.78
		Head Office	Simtokha	24	8.35
		Head Office	Chubachu S/S	24	0.79
			ESD office	24	0.50
		T-point (IT park)	Babesa ESSD	2	1.30
		Motithang S/S	Thimphu Hydel	2	3.91
		Chubachu S/S	Dechencholing	24	7.70
			Motithang	24	2.07
			Olakha S/S	24	7.87
		Mewang	RNR	24	1.23
		Mewang	Geology Mine & Site office, Khasadrapchu	24	0.68
Geneykha	RNR	24	0.35		
CMTD Begana	Naro	24	25.59		
Gunitsawa PS	Soe GC	18	34.10		
Gunitsawa PS	Lingzhi GC	6	52.26		
15	Trashiyangtse	Kanglung	Duksum	24	25.43
			Jamkhar	6	21.13
		Duksum	ESD	6	26.11
			Ramjar	24	4.31
			Yalang	24	8.65
			Khamdang	12	3.88
			Toedtsho	12	6.18
			Yangtse	6	25.50
			Dzong	6	0.61
			Bumdeling	6	7.98
		Tongmijangsa	24	5.28	
		Tongmijangsa	BHU	24	1.76
		Khamdang	BHU	24	0.23
		Khamdang	RNR	24	0.22
		Toedtsho	BHU	24	0.28
		Yangtse	RNR	24	0.26
		Yallang	RNR	24	0.49
		Ramjar	BHU	24	0.67
		Ramjar	RNR	24	0.31
		Bomdeling	BHU	24	0.15

SN	Dzongkhag	Terminal point (A)	Terminal point (B)	No. of fibers	Line Length (KM)
16	Trashigang	Kanglung s/s	Rangjung Power House		26.28
			Udzorong	12	8.05
			Khaling ESSD	6	1.56
			Lumang	6	12.59
			Khaling	6	19.48
			Thrimshing	6	7.39
			Samkhar	6	1.04
			Kangpara	24	11.11
		Kanglung s/s	Shongphu	6	2.119
			Kanglung	6	0.86
			Yangneer	6	7.957
			ESD Trashigang	6	11.67
		Rangjung Power House	Rangjung ESSD	6	0.62
			Bartsham(GC)	6	8.78
			Bidung	6	4.82
			Radi	6	3.33
			Phongmey	6	9.32
			Merak	4	16.65
			Sakteng	4	22.14
T-point(Thrimzhing gewog)	Wamrong ESSD	2	1.45		
17	Trongsa	Kewathang S/S	Chumey	24	24.7
			Tangsibji	12	15.602
			Drangten	12	10.006
			ESD office	12	4.113
			Nubi	12	7.309
		Tingtibi S/S	Khorphu	6	16.523
		BT BTS	Langthel	24	7.876
Yurmoo S/S	T-point	24	0.41		
18	Tsirang	Darje S/S	Rangthangling	6	0.703
			Beteni/Patshaling	6	7.402
			Mendrelgang	6	2.226
			Barshong	6	6.057
			ESD office	24	4.18
			Kikhorthang	8	4.547
			Dunglagang	8	6.387
			Semjong	8	4.516
			Gosarling	6	6.323
			Tsirang Toed	6	5.876
			Pungtenchu	6	5.352
Sergithang	6	5.48			
Tsholingkhar	24	5.2			

SN	Dzongkhag	Terminal point (A)	Terminal point (B)	No. of fibers	Line Length (KM)
19	Wangdue	Lobesa	Nyisho	6	20.55
			Theedtsho	12	7.88
			ESD office	12	4.061
			Nahi	6	12.232
			Gatseshogom	6	8.83
			Gatseshowom	6	4.202
			Ruepisa	6	0.344
			Phangyul	6	8.681
			Kazhi	6	7.509
			Bjena	6	6.976
			Gangtey	6	36.648
			Dangchhu	6	35.224
			Wind Power House	2	12.82
			Sephu	6	15.191
			Phobjikha	6	4.735
		Sephu T-point	Tangsibji T-point	24	24.09
		Gatey T-point	Dungdunesa T-point	24	10.11
		BHPC	Daga	12	17.35
		BHPC	Athang	12	19.5
		Kazhi	School	24	0.3
		Kazhi	BHU	24	0.26
		Phangyul	School	24	0.25
BHP	Khotokha Gyalsung	24	11.02		
20	Zhemgang	Tingtibi	ESD office	8	14.192
			Trong	8	16.523
			Shingkhar	8	15.525
			Bardo	8	21.056
			Nangkhor	8	24.79
			Phangkhar	8	40.11
			Bjoka	8	19.494
			Goshing	8	8.626
		T-point (Nangla gewog)	Panbang ESSD	2	1.18
		Nanglam	Nangla	12	20.37
Total (KM)					3,264.29

CHAPTER 8

FINANCIAL INFORMATION

This chapter provides Energy and financial statistics on total energy purchase GENCOS (table 8.1), Revenue earned through sale of electricity to our domestic customers (table 8.2), wheeling charges (table 8.3) and the revenue earned through other projects (table 8.4) for 5 years from 2021 to 2025.

Table 8.1 PURCHASE OF POWER FROM GENERATING COMPANY (Million Nu.)

SN	Description	2021	2022	2023	2024	2025
1	CHP	3,842.86	6,305.08	8,730.82	10,741.93	5,525.98
2	BHP					
3	KHP					
4	THP					
5	DHP*					-
6	DSP Solar					28.34
7	PH-II					6,941.64
8	MHP					2,926.88
9	NHP					515.69
10	Suchhu					156.32
11	Sephu Solar					41.61
12	EG					22.70
Total		3,842.86	6,305.08	8,730.82	10,741.93	16,159.16

Table 8.2. REVENUE FROM SALE OF ELECTRICITY (Million Nu.)

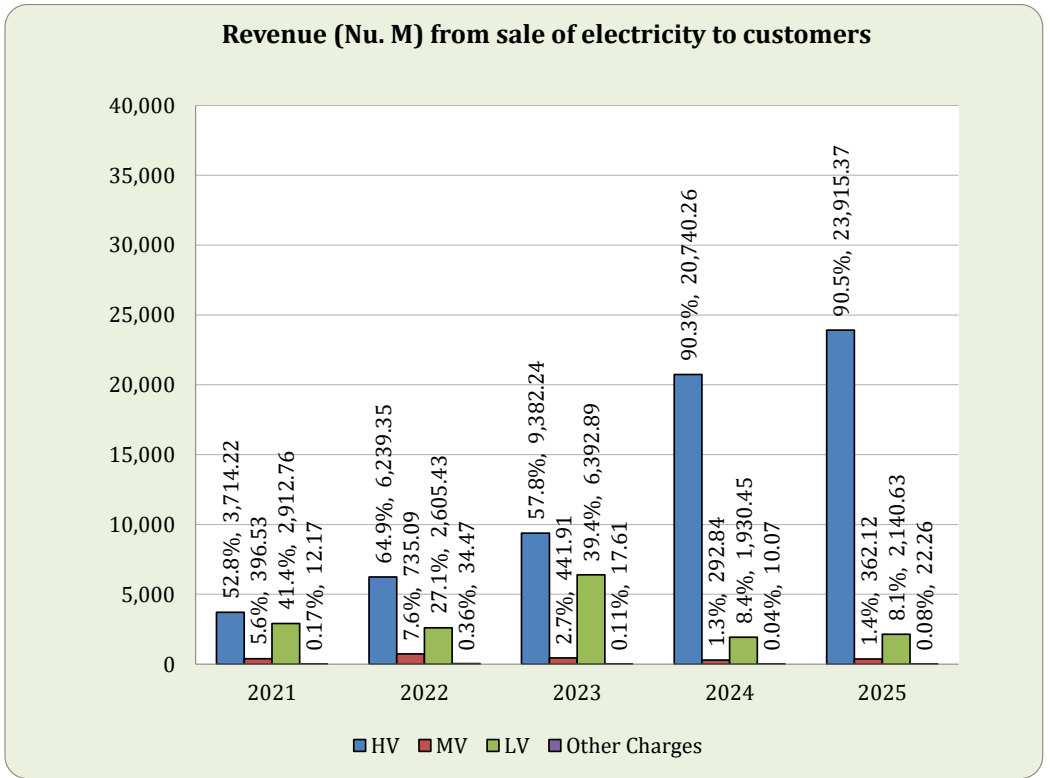
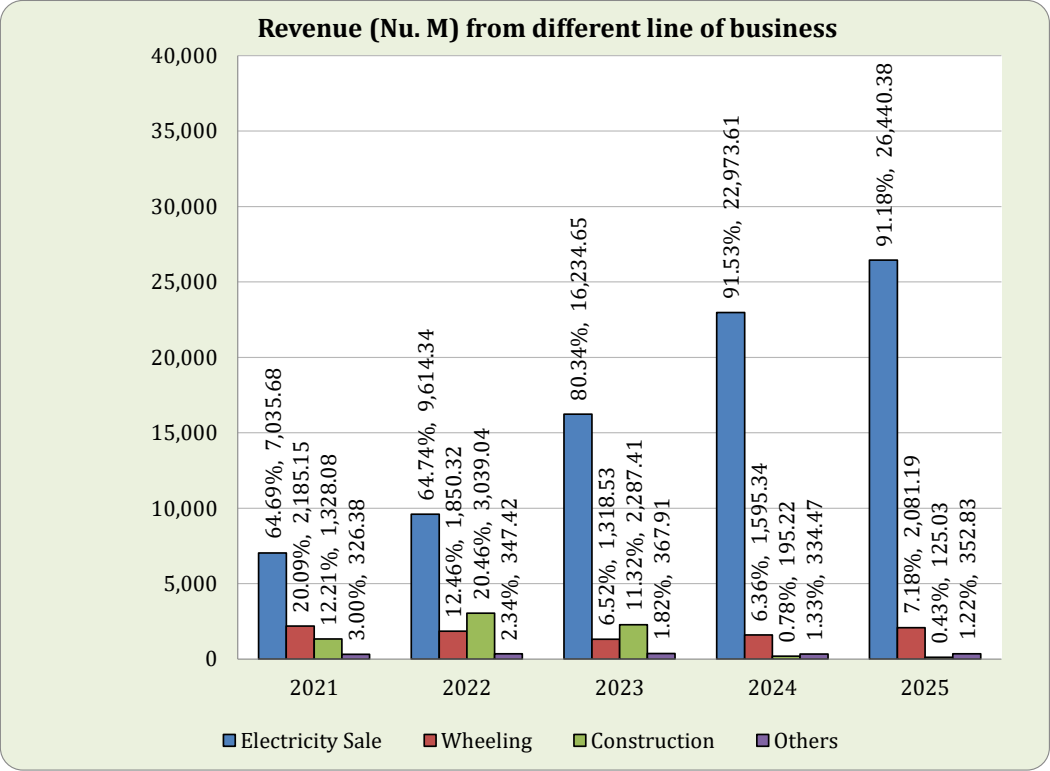
SN	Particulars	2021	2022	2023	2024	2025
1	HV Energy Charge	2,725.09	3,635.85	6,751.34	8,757.68	13,278.57
2	HV Demand Charge	989.13	1,805.28	2,630.90	6,037.13	6,942.05
	HV Charge (Import)		798.23	4,545.11	5,945.45	3,694.75
	HV (total)	3,714.22	6,239.35	9,382.24	20,740.26	23,915.37
3	MV Energy Charge	287.68	566.32	310.10	195.39	254.27
4	MV Demand Charge	108.85	168.78	131.81	97.45	107.85
	MV (Total)	396.53	735.09	441.91	292.84	362.12
5	LV Energy Charge	2,912.76	2,605.43	6,392.89	1,930.45	2,140.63
6	Other Charges	12.17	34.47	17.61	10.07	22.26
Total		7,035.68	9,614.34	16,234.65	22,973.61	26,440.38

Table 8.3: REVENUE FROM WHEELING CHARGE (Million Nu.)

SN	Particulars	2021	2022	2023	2024	2025
1.0	Wheeling Charge	2,185.15	1,850.32	1,318.53	1,595.34	2,081.19

Table 8.4: REVENUE FROM CONSTRUCTION CONTRACTS & OTHERS (Million Nu.)

SN	Particulars	2021	2022	2023	2024	2025
1	Revenue from Construction Contracts	1,328.08	3,039.04	2,287.41	195.22	125.03
2	Revenue from others	326.38	347.42	367.91	334.47	352.83
Total		1,654.45	3,386.46	2,655.32	529.69	477.86



CHAPTER 9

EMPLOYEE DETAILS

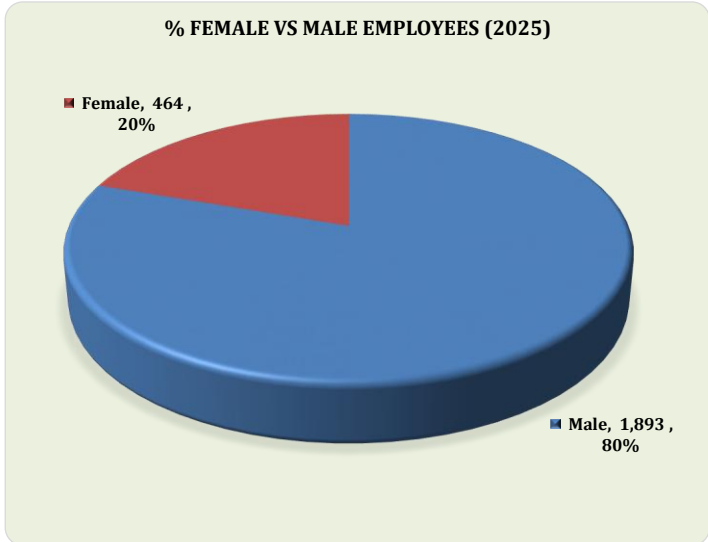
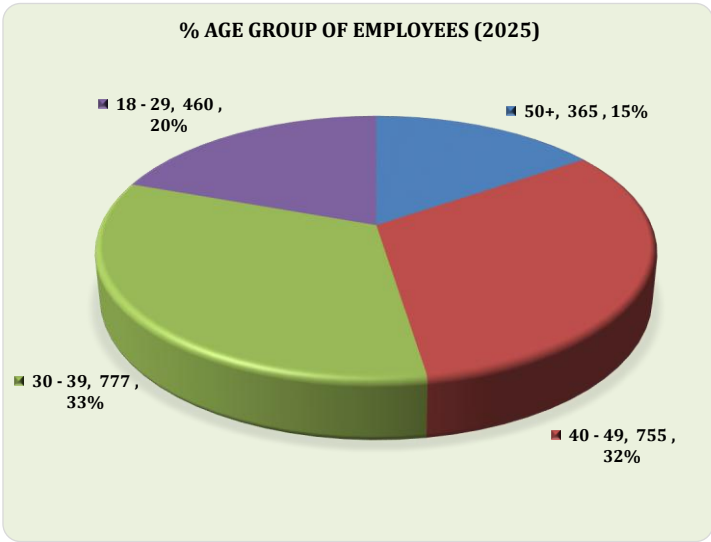
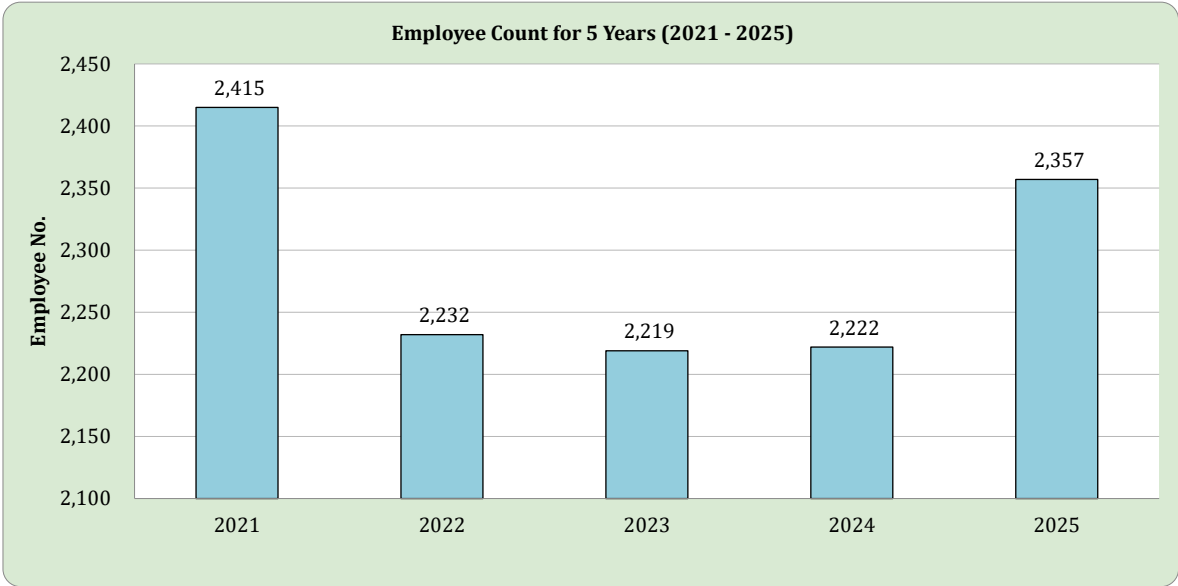
This chapter covers employee statistics of BPC during 2025 as shown in table 9.1 . In five years, 2021 had the highest employee count with 2,415 numbers followed by 2025 with 2,357 numbers . Under the age category, age between 30 to 39 years is the highest with 33% while age above 50 years is the lowest with only 15%.

TABLE 9.1: DZONGKHAG WISE EMPLOYEE -2025

SN	Description	Count	%
A	Employment Type		
1	Regular	2,343	99%
2	Contract	14	1%
3	Total	2,357	
C	Grade		
1	A	164	7%
2	B	752	32%
3	C	1,021	43%
4	D	420	18%
	Total	2,357	
E	Dzongkhag		
1	Bumthang	36	2%
2	Chukha	261	11%
3	Dagana	74	3%
4	Gasa	21	1%
5	Haa	40	2%
6	Lhuentse	41	2%
7	Mongar	130	6%
8	Paro	79	3%
9	Pema Gatshel	92	4%
10	Punakha	77	3%
11	Samdrup Jongkhar	153	6%
12	Samtse	180	8%
13	Sarpang	215	9%
14	Thimphu	539	23%
15	Trashi Yangtse	41	2%
16	Trashigang	82	3%
17	Trongsa	46	2%
18	Tsirang	75	3%
19	Wangdue phodrang	87	4%
20	Zhemgang	88	4%
	Total	2,357	

SN	Description	Count	%
B	Gender		
1.00	Male	1,893	80%
2.00	Female	464	20%
	Total		
D	Qualification		
1.00	Masters	76	3%
2.00	Bachelors	242	10%
3.00	Diploma	256	11%
4.00	Certificate/Others	1,783	76%
	Total	2,357	
F	Office		
1.00	CEO Office	5	0.2%
2.00	Company Secretary Office	9	0.4%
3.00	DD	35	1.5%
4.00	DCSD	1,164	49.4%
5.00	TD	42	1.8%
6.00	TOMD	733	31.1%
7.00	CPD	17	0.7%
8.00	CD	151	6.4%
9.00	PD	46	2.0%
10.00	CSD	1	0.0%
11.00	SSD	63	2.7%
12.00	FAD	18	0.8%
13.00	ERD	56	2.4%
14.00	CSDiv	10	0.4%
15.00	IAU	7	0.3%
	Total	2,357	

SN	Age	Count	%
1.00	50+	365	15%
2.00	40 - 49	755	32%
3.00	30 - 39	777	33%
4.00	18 - 29	460	20%
	Total	2,357	



Figures showing employee count, employee under different age group and Female Vs Male

CHAPTER 10 COMPANY ASSET

This chapter presents the financial aspects of fixed asset of BPC for the last five years (2021-2025) as presented in Table 10.1. The company's net asset, capital work in progress and total fixed asset is also mentioned.

TABLE 10.1 : ASSET

Financial year	2021	2022	2023	2024	2025
Total Asset (Million Nu) - TA	35,798.86	42,117.67	43,549.80	46,774.61	57,594.20
Gross fixed asset (Million Nu) - GFA	42,934.71	46,706.06	49,933.63	53,104.34	65,923.33
Accumulated Depreciation	11,717.60	12,790.27	14,307.02	16,071.65	18,420.37
Net fixed assets (Million Nu)	28,428.76	33,915.79	35,626.62	37,032.68	47,502.96
Capital Work in Progress (Million	2,788.35	4,464.16	3,204.88	5,888.14	4,032.78
Total fixed Asset (Million Nu.) -	31,217.11	38,379.95	38,831.50	42,920.82	51,535.74
Growth Rate	1.82%	22.95%	1.18%	10.53%	20.07%

CHAPTER 11

RURAL ELECTRIFICATION

This chapter provides the number of households electrified under the rural electrification projects as on 31st December 2025.

Table 11.1 YEARLY TOTAL RE COVERAGE

SN	RE Coverage	Till 2021	Till 2022	Till 2023	Till 2024	Till 2025
1	Household(s)	91,195	91,195	92,476	93,725	95,132
2	% RE without off grid works	100.00%	100.00%	100.00%	100.00%	100.00%
3	% RE with off grid works	99.87%	99.87%	99.97%	99.97%	99.97%

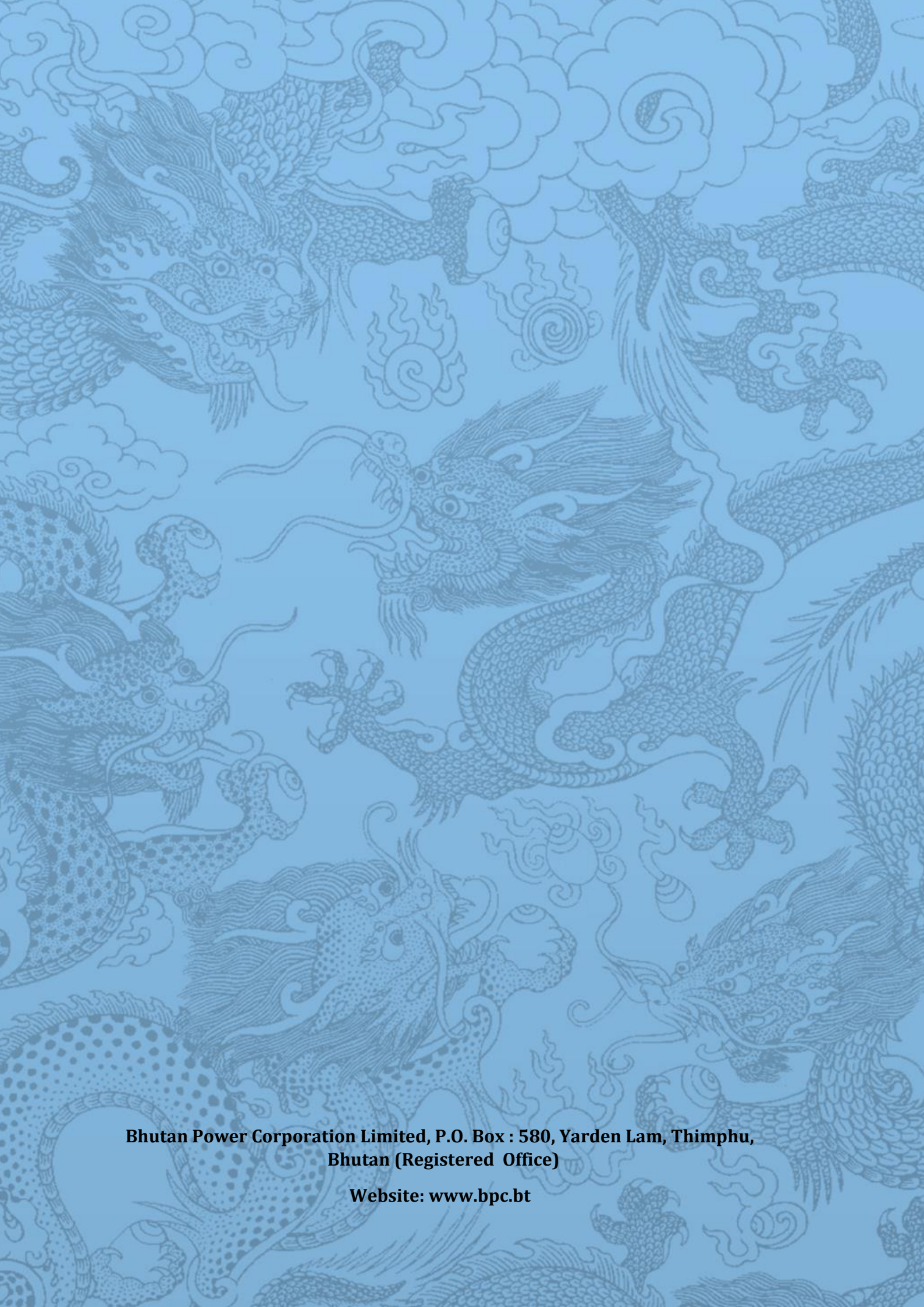
CHAPTER 12

PERFORMANCE INDICATORS

This chapter displays indicators which are used in appraising the performance of BPC and provides information on yearly achievement of Five years from 2021 to 2025 as presented in table 12.1.

TABLE 12.1: PERFORMANCE INDICATORS, ACHIEVEMENT AND STATUS FROM 2021 TO 2025

SN	Indicators	2021	2022	2023	2024	2025
1	Number of Customers / Employee	99.58	104.76	109.64	114.99	111.43
2	Energy Sale (MU) / Employee	1.11	1.55	2.56	3.21	3.69
3	Revenue Earned (Million Nu.) /Employee	4.88	6.65	9.11	11.30	12.30
4	Revenue Earned (Million Nu.) /Total Customer	0.05	0.06	0.08	0.10	0.11
5	LV line length / MV line length	1.45	1.50	1.37		1.31
6	Global System losses (including Wheeling) (%)	1.83%	1.81%	2.14%	2.15%	1.90%
7	Global System losses (Excluding Wheeling) (%)	7.36%	5.40%	4.12%	3.87%	3.72%
8	Transmission Loss including wheeling (%)	1.11%	1.23%	1.49%	1.49%	1.44%
9	Distribution Losses including HV Industries (%)	3.34%	2.30%	1.35%	0.16%	0.01%
10	Fixed Assets Turnover Ratio (Sales / Average Net Block)	0.39	0.48	0.58	0.71	0.69
11	Current Ratio (Current Assets/Current Liabilities)	1.16	0.83	0.98	0.79	1.21
12	Quick Ratio (Current Asset-Inventory / Current Liabilities)	1.01	0.68	0.79	0.65	1.05
13	Interest Coverage Ratio (Profit before interest & tax/Interest)	2.79	2.45	2.79	3.92	2.95
14	Debt Service Coverage Ratio (PAT+Depreciation+Interest /	2.36	2.54	2.83	3.28	3.04
15	Gearing Ratio (Debt/Gross Fixed Asset)	32.63%	32.63%	37.37%	39.25%	44.25%
16	Debt Equity Ratio (Debt /average Equity)	88.88%	112.45%	116.64%	127.80%	158.20%
17	Return on Asset (Profit after tax/average net total assets)	3.92%	2.66%	3.29%	4.69%	5.87%
18	Return on Equity (return available/ Average Equity)	7.46%	5.27%	7.11%	10.41%	13.47%



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