PUBLIC UTILITIES COMMISSION OF SRI LANKA

Decision on Revenue Caps and Bulk Supply Tariffs

2021-2023

October 2021

This decision document issued as a result of the tariff review for the period 2021-2023, sets out the allowed revenue caps for Transmission and Distribution Licensees for that period and the Bulk Supply Tariffs for the period 1st January 2021 to 30th June 2021.

Introduction

In exercising the powers and functions vested with the Public Utilities Commission of Sri Lanka ("the Commission") under section 3(d) of the Sri Lanka Electricity Act No 20 of 2009 (the "Act") "to regulate tariffs and other charges levied by licensees and other electricity undertakings, in order to ensure that the most economical and efficient service possible is provided to consumers", and, in accordance with Section 30(2)(a) of the Act, the Commission, has approved a cost-reflective Methodology for Tariffs ("the Methodology") and subsequently issued the Methodology to the Transmission Licensee (TL) and to each Distribution Licensee (DLs). The Methodology has been revised in 2021 and the Methodology is available as a separate document[1].

Each DL and TL submitted their revenue requirements for the period 2021-2023. The Commission has reviewed the revenue requirements filed by each licensee, requested clarifications as appropriate, made revisions required to adhere to the Methodology and has made a number of adjustments to the filed revenue requirements in determining the allowed revenue caps of each licensee.

Exercising power of the Commission to set tariffs under the provisions in section 30 of the Act, the determination of the Commission is hereby published in this decision document for compliance by the licensees and for the information of the public.

[1] available upon request to the Commission or it may be downloaded from www.pucsl.gov.lk

LIST OF ABBREVIATIONS

BSOB	Bulk Supply and Operations Business
BST	Bulk Supply Tariffs
CAPEX	Capital Expenditure
CEB	Ceylon Electricity Board
DL	Distribution Licensee: Ceylon Electricity Board and Lanka Electricity Company (Pvt) Ltd
DL1	Distribution and Supply Licensee for CEB Distribution Region 1 holding license number EL/D/09-003
DL2	Distribution and Supply Licensee for CEB Distribution Region 2 holding license number EL/D/09-004
DL3	Distribution and Supply Licensee for CEB Distribution Region 3 holding license number EL/D/09-005
DL4	Distribution and Supply Licensee for CEB Distribution Region 4 holding license number EL/D/09-006
DL5	Distribution and Supply Licensee LECO holding license number EL/D/16/004
CEB GL	CEB Generation Licensee holding License number EL/GB/09-001
GWh	Gigawatt hour
kVA	kilovolt ampere
kW	kilowatt
kWh	kilowatt hour
LECO	Lanka Electricity Company (Pvt) Ltd.
LKR	Sri Lanka Rupee
LV	Low Voltage
MV	Medium Voltage
MWh	Megawatt hour
NCRE	Non-Conventional Renewable Energy
O & M	Operations & Maintenance
OPEX	Operating Expenditure
PPA	Power Purchase Agreement
Single Buyer	A function of the BSOB
SPPs	Small Power Producers
T&D	Transmission and Distribution
TL	Transmission and Bulk Supply Licensee holding License number EL/T/09-002
TOU	Time of Use
VAT	Value Added Tax
WIP	Work-in-Progress

1 SALES FORECAST

Approved sales forecasts for each Distribution Licensee (DL) as filed for year 2021 are shown in Table 1. Customer numbers forecast for year 2021 are shown in Table 2.

Table 1: Sales forecasts filed by the Distribution Licensees for year 2021

	Forecast sales to end-use customers (GWh)						**Forecast monthly maximum demand (MVA)**					
Customer category	**DL1**	**DL2**	**DL3**	**DL4**	**DL5**	**Total**	**DL1**	**DL2**	**DL3**	**DL4**	**DL5**	**Total**
LV RETAIL												
Households	1,501	1,694	952	860	698	**5,705**	-	-	-	-	-	-
Religious	37	34	12	14	12	**109**	-	-	-	-	-	-
General Purpose	683	522	359	311	366	**2,241**	-	-	-	-	-	-
Industrial	161	109	60	46	31	**408**	-	-	-	-	-	-
Hotel	0	2	3	1	0	**6**	-	-	-	-	-	-
Government	7	7	7	5	2	**28**	-	-	-	-	-	-
Street Lighting allowance	46	48	17	30	23	**164**	-	-	-	-	-	-
Total LV	**2,436**	**2,415**	**1,410**	**1,268**	**1,133**	**8,661**	**-**	**-**	**-**	**-**	**-**	**-**
LV BULK												
General Purpose 2	546	209	134	118	233	**1,241**	203	78	44	44	91	**461**
Industrial 2	412	836	552	346	223	**2,369**	155	269	188	118	85	**815**
Hotel 2	42	62	7	52	58	**221**	12	17	4	14	15	**61**
Government 2	80	71	24	31	25	**231**	24	21	6	9	1	**61**
Total LV bulk	**1,081**	**1,178**	**718**	**547**	**539**	**4,062**	**394**	**385**	**242**	**185**	**191**	**1,399**
MV Bulk												
General Purpose 3	266	73	70	7	5	**421**	69	18	19	2	9	**117**
Industrial 3	424	1,077	425	178	52	**2,156**	107	285	110	39	18	**560**
Hotel 3	67	2	-	32	11	**113**	13	1	-	6	2	**22**
Government 3	4	-	3	12	-	**19**	1	-	1	3	-	**4**
Total MV	**761**	**1,152**	**498**	**229**	**68**	**2,708**	**189**	**304**	**131**	**51**	**29**	**704**
Total sales	**4,277**	**4,745**	**2,626**	**2,043**	**1,740**	**15,431**	**583**	**690**	**373**	**236**	**221**	**2,102**

Table 2: Customer numbers forecast for year 2021

	Customer number					
Customer category	**DL1**	**DL2**	**DL3**	**DL4**	**DL5**	**Total**
LV RETAIL						
Households	1,721,239	2,034,454	1,221,771	995,082	506,525	**6,479,071**
Religious	15,240	14,464	7,763	6,120	2,787	**46,375**
General Purpose	243,901	264,639	147,031	127,255	94,152	**876,978**
Industrial	35,647	13,521	8,862	5,928	2,543	**66,501**
Hotel	42	92	15	33	-	**182**
Government	2,065	2,838	3,012	1,501	499	**9,915**
Street Lighting					3,415	**3,415**
Total LV	**2,018,134**	**2,330,009**	**1,388,455**	**1,135,919**	**609,920**	**7,482,437**
LV BULK						

General Purpose 2	2,725	1,276	803	901	1,388	**7,092**
Industrial 2	1,422	1,888	1,205	899	585	**5,999**
Hotel 2	83	147	21	136	77	**463**
Government 2	151	158	52	52	54	**467**
Total LV bulk	**4,381**	**3,468**	**2,080**	**1,988**	**2,103**	**14,021**
MV Bulk						
General Purpose 3	83	24	34	18	3	**162**
Industrial 3	71	153	61	28	18	**331**
Hotel 3	10	1	-	7	3	**21**
Government 3	2	-	0	1	-	**3**
Total MV bulk	**166**	**178**	**96**	**54**	**24**	**517**
Unbilled customers	**-**	**-**	**-**	**-**		**-**
Total for each DL	**2,022,681**	**2,333,655**	**1,390,631**	**1,137,961**	**612,047**	**7,496,975**

Sales forecasts for the period of 2021 to 2023 are summarized in Table 3.

Table 3: Total sales forecasts for 2021 – 2023

	Forecast sales to end-use customers (GWh)			**Forecast total consumer accounts (`000)**		
Distribution Licensee	**2021**	**2022**	**2023**	**2021**	**2022**	**2023**
DL1	4,277	4,515	4,769	2,023	2,082	2,139
DL2	4,745	4,956	5,122	2,334	2,381	2,425
DL3	2,626	2,755	2,896	1,391	1,435	1,487
DL4	2,043	2,142	2,239	1,138	1,170	1,203
DL5	1,740	1,797	1,902	612	627	641
Total	**15,431**	**16,165**	**16,928**	**7,497**	**7,696**	**7,896**

2 ALLOWED CAPEX FOR THE TARIFF REVIEW PERIOD

Investment/ CAPEX programs approved for the period 2021-2023 for each Licensee is shown in the tales below. The network related CAPEX programs are approved as per the Medium-Term Development Plans of each Licensee. No major revisions were done for the filed CAPEX as there would be claw back adjustments for any CAPEX not spent as per the plans.

Table 4: CAPEX Forecast (Distribution Licensee 1)

CAPEX Forecast-Distribution Licensee 1 (LKR Million)			
	2021	**2022**	**2023**
LV Development plan (SYA)	1,840.0	1,929.0	2,072.0
MV Development plan	1,955.0	1,580.0	1,139.0
LV ABC conversion	2,600.0	2,945.0	3,302.0
Augmentation of primary substation	97.0	194.0	128.0
Loss reduction	390.0	426.0	483.0
SESRIP project	8,052.8	1,450.0	-

Capital cost requirement for implementing digital transformation road map	-	960.0	240.0
Capital cost requirement for implementing power quality	-	267.2	66.8
Capital cost requirement for implementing customer service performance standards	1,336.0	334.0	-
Buildings	1,048.0	1,078.0	931.5
Lands	200.0	100.0	100.0
Motor vehicles	590.0	254.0	230.0
Office equipment	58.3	40.5	45.9
Computer & it elated equipment	5.7	4.9	5.3
Office furniture, machinery & tools	204.5	198.3	205.0
Total	**18,377.3**	**11,760.8**	**8,948.4**
Customer Contribution for new Connection			
Bulk supply	2,020.0	2,110.0	2,240.0
Service connection	1,500.0	1,700.0	1,925.0
Subtotal	**3,520.0**	**3,810.0**	**4,165.0**
Net CAPEX	**14,857.3**	**7,950.8**	**4,783.4**

Table 5: CAPEX Forecast (Distribution Licensee 2)

CAPEX Forecast-Distribution Licensee 2 (LKR Million)			
	2021	**2022**	**2023**
Overhead HT	945.9	988.6	1,620.0
Overhead LT	22.5	25.0	202.0
Overhead Service Connection	1,681.7	1,947.5	1,840.1
Under Ground 33kv	290.0	-	-
Under Ground 11kv /HT	292.8	105.5	230.4
Under Ground LT	40.0	30.0	20.0
Under Ground Service Connection	8.8	9.7	10.6
LT Feeder Pillar	5.0	5.0	5.0
Concrete Dams Tunnels/ Spillways	-	-	-
Switchyards & switch Gears	160.0	150.0	165.0
Sub/s 33kv Down	1,560.0	1,560.0	2,074.4
Sub/s 11kv Down	55.0	55.0	85.0
Gantry	398.9	90.1	135.5
Primary substation	180.0	-	-
Boundary metering	38.0	13.0	14.0
Subtotal	**5,678.7**	**4,979.3**	**6,402.1**
Lands	600.0	615.5	348.0
Buildings	450.0	500.0	500.0
Vehicles	748.8	763.8	564.0
Leasehold vehicles	51.2	36.2	52.0
Radio telephones	62.6	-	-
Office equipment	105.1	79.8	70.6
Computers & IT related equipment	226.7	143.2	149.0

Other sundry assets	650.0	2,071.1	1,250.0
Furniture & fittings	124.4	81.1	62.4
Machinery & tools	292.7	124.8	80.0
Subtotal	**3,311.5**	**4,415.5**	**3,075.9**
Total	**8,990.2**	**9,394.8**	**9,478.0**
Customer contribution for new connections			
Overhead HT	189.2	197.7	324.0
Overhead LT	4.5	5.0	40.4
Overhead service connection	1,513.5	1,752.7	1,656.1
Under Ground 11kv /HT	58.6	21.1	46.1
Under Ground LT	8.0	6.0	4.0
Under Ground Service Connection	7.9	8.7	9.6
Subtotal	**1,781.7**	**1,991.2**	**2,080.2**
Net CAPEX	**7,208.5**	**7,403.6**	**7,397.9**

Table 6: CAPEX Forecast (Distribution Licensee 3)

CAPEX Forecast-Distribution Licensee 3 (LKR Million)			
	2021	**2022**	**2023**
Network CPEX			
LV Development Plan (System Augmentation)	1,717.0	1,869.0	2,006.0
MV Development Plan	2,702.0	1,552.0	1,122.0
LV ABC Conversion	2,323.0	2,393.0	2,485.0
Augmentation of Primary Substations	1,490.0	1,199.0	1,319.0
Loss Reduction	166.0	196.0	146.0
Subtotal	**8,398.0**	**7,209.0**	**7,078.0**
Other CAPEX			
Buildings	587.0	536.0	487.5
Lands	271.0	122.0	193.0
Motor Vehicles	1,196.8	776.6	855.6
E-shops & Carder System	40.0	32.0	35.0
Office Equipment	58.5	55.1	57.2
Other, Fun. M&T	198.4	126.9	128.4
Subtotal	**2,351.7**	**1,648.6**	**1,756.6**
Total	**10,749.7**	**8,857.6**	**8,834.6**
Customer Contribution			
Bulk supply	1,464.0	1,616.0	1,749.0
Service connections	1,946.0	1,962.0	1,949.0
Subtotal	**3,410.0**	**3,578.0**	**3,698.0**
Net CAPEX	**7,339.7**	**5,279.6**	**5,136.6**

Table 7: CAPEX Forecast (Distribution Licensee 4)

CAPEX Forecast-Distribution Licensee 4 (LKR Million)			
	2021	**2022**	**2023**
Network CAPEX			
LV Development Plan (System Augmentation)	216.2	392.8	439.5
MV Development Plan	642.3	1,024.7	984.8
LV ABC Conversion	498.4	871.9	939.1
Augmentation of Primary Substations	138.3	460.0	100.0
Loss Reduction	280.2	498.0	532.9
Service Main Overhead Cost	31.6	55.1	57.9
Re Schemes - CEB Own Funded	45.6	83.3	91.5
System Augmentation (PHM)	37.9	-	-
SCADA Project	20.0	20.0	-
MVNEIP	650.0	202.1	-
Dehiwala Smart Metering Project	350.0	500.0	150.0
LSSEP	100.0	-	-
NTDND&EIP	52.5	63.0	42.0
OPISQ	-	120.0	30.0
VMPPQ	-	128.0	32.0
CSPSCQ	267.2	66.8	
Subtotal	**3,330.1**	**4,485.8**	**3,399.6**
Other CAPEX			
Buildings	309.7	293.0	175.0
Lands	68.5	108.0	75.0
Motor Vehicles	131.0	320.4	470.0
E-shops & Carder System	-	-	-
Office Equipment	13.8	23.3	26.9
Computers & IT related Equipment Account	13.2	22.8	24.7
Other, Fun. M&T	125.8	118.7	148.3
Subtotal	**661.9**	**886.1**	**920.0**
Net CAPEX	**3,992.0**	**5,371.9**	**4,319.6**
Customer Contribution			
Bulk supply	690.4	740.9	800.6
Service connections	616.3	667.8	714.7
Subtotal	**1,306.6**	**1,408.7**	**1,515.3**
Grand Total	**5,298.6**	**6,780.6**	**5,834.8**

Table 8: CAPEX Forecast (Distribution Licensee 5)

CAPEX Forecast-Distribution Licensee 5 (LKR Million)			
	2,021	**2,022**	**2,023**
Supply of infrastructure -11KV UG DISTRIBUTION SYS	138.5	51.3	53.1
Supply of infrastructure -11KV OH DISTRIBUTION SYS	153.9	152.2	162.2
Supply of infrastructure -11KV SWITCHES	94.6	46.6	49.3
Supply of infrastructure -DISTRIBUTION SUBSTATION	522.7	322.4	339.9
Supply of infrastructure -11KV BULK SUBSTATION	6.7	7.1	7.4
Supply of infrastructure -LV OH DISTRIBUTION SYS	146.2	152.0	162.2

Supply of infrastructure -LV UG LINES	75.0	-	-
Supply of infrastructure	7.0	7.4	7.7
Supply of infrastructure -11KV UG DISTRIBUTION SYS-ADB	-	458.0	1,832.0
Supply of infrastructure -33KV UG DISTRIBUTION SYS-ADB	-	259.9	1,039.8
Freehold land	719.5	40.0	63.0
Land improvements	19.2	5.7	5.6
Freehold building	232.6	888.5	995.8
Other plant & equipment	63.2	44.7	46.9
Motor vehicles	486.5	114.5	177.0
Tools & equipment	70.2	76.3	80.1
Furniture & fittings	19.5	14.0	16.1
Office equipment	13.4	16.0	16.0
Communication Equipment	151.3	5.8	6.5
Computers	172.5	111.5	120.1
CWIP -building	25.0	-	25.0
Net CAPEX	**3,117.4**	**2,773.9**	**5,205.7**
Consumer Contribution			
Supply of infrastructure -11KV UG DISTRIBUTION SYS	30.3	29.7	31.2
Supply of infrastructure -11KV OH DISTRIBUTION SYS	100.5	41.6	43.7
Supply of infrastructure -11KV SWITCHES	-	1.3	1.4
Supply of infrastructure -11KV SWITCHES	7.1	6.1	6.4
Supply of infrastructure -DISTRIBUTION SUBSTATION	15.4	20.9	21.9
Supply of infrastructure -11KV BULK SUBSTATION	181.2	171.8	185.5
Supply of infrastructure -LV OH DISTRIBUTION SYSTE	21.4	8.9	9.3
Supply of infrastructure -Consumer service line	307.7	330.5	359.2
Subtotal	**663.5**	**610.8**	**658.6**
Grand Total	**3,780.8**	**3,384.8**	**5,864.3**

Table 9: CAPEX Forecast (Transmission Licensee)

Work in Progress (CEB Expenditure)			
Projects	**2021**	**2022**	**2023**
Committed Projects			
Augmentation of 132/33KVGSS at Kiribathkumbura	-	-	-
Renewable Energy Absorption Transmission Development Project	178.0	-	-
Habarana - Veyangoda 220 KV Transmission Line (GOSL/JICA)	153.0		
CE & NEIP P2-Clean Energy & Net work Efficiency Improvement Project -Package 2-Construvtion 132Kv Transmission Infrastructure (GOSL/ADB)	397.0	-	-
Colombo City Transmission Development and Loss Reduction Project (GOSL/JICA)	139.0	1,328.0	3,808.0
Green Power Development and energy efficiency improvement Investment Transmission Tr.01	87.0		-

Green Power Development and energy efficiency improvement Investment Project - Tranch 11	7,555.8	1,583.8	-
SESRIP	1,378.6	1,718.4	241.7
National Transmission and Distribution network Development and Efficiency Improvement Project	2,098.0	750.0	100.0
New Kelani Bridge Project	-		-
Power System Reliability Strengthening Project	4,598.7	22,899.9	21,314.9
Transmission Construction Project			
Installation of 2 x 50 MVAr Reactors at New Anuradhapura GS and 1 x 50 MVAr Reactor at Mannar GS	470.0	-	-
Construct Two additional 33kV GIS feeder base at Rathmalana GS	-	-	-
Extension of Kelanitissa 132kV GIS	350.2	-	-
Construction of Two Nos of 220kV Double busbars Transmission Line Bay at New Polpitiya Switching Station	42.6	-	-
Construction of Stores Building for GSCP	-	-	-
Construction of New 31.5 MVA 132/33 kV Power Transformer Foundation at Bolawatta GSS	6.1	-	-
Construction of Two 33kV Feeder Bays at Kalutara GS	21.2	-	-
Construction of 220/132/33kV Transformer Bank 02 at Kotugoda GSS	62.6	-	-
Construction of 02 nos. of 33 kV Feeder Bays at Balangoda Grid Substation	66.1	-	-
Reconstruction of Badulla-Madagama 132kV Transmission Line	-	-	-
Medagama Ampara 132kV TL reconstruction	1,923.5	350.0	350.0
Athurugiriya Padukka 132kV TL	-	-	-
Augmentation of Athurugiriya - Kolonnawa 132kV Transmission Line	144.2	30.0	-
Victoria Rantambe 220kV TL	1,232.0	63.1	63.1
132kV Interconnection Transmission Line for Seethawaka Ganga Hydro Power Project	239.7	100.0	33.0
Installation of 33 kV CTs & VTs at GSS to feed LECO PSS at 33kV level	-	-	35.6
Developing Electrical system for phase I of CPCDP	7,283.6		
Uncommitted projects			
Construction of Kerawalapitiya - Port 2nd 220kV Cable	4,035.1	5,125.7	1,041.5
Construction of Colombo K 220/132/11 kV Grid substation (Proposal revised as Colombo G 220/132 KV GS and Colombo K 132/11 kV GS	14,535.3	18,463.9	3,752.6
Construction of Victoria-Rantambe 220kV Transmission Line	738.0	937.0	191.0

Augmentation of Embilipitiya 132/33kV Grid Substation	739.4	2,130.9	498.5
Vavuniya Grid Substation 220kV Development	6,798.8	10,357.1	14,021.5
Construction of Colombo K 220/132/11 kV Grid substation (Proposal revised as Colombo G 220/132 KV GS and Colombo K 132/11 kV GS			7,762.3
Lakvijaya-Wariyapola south transmission line (with 4th Coal Unit)	2,274.7	3,465.0	4,692.4
Construction of Kotadeniyawa 220/33 kV grid substation (Mirigama GS is included in PSRSP Project)		1,924.5	8,717.1
Construction of Ethimale Solar Collector Grid Substation		2,655.5	10,788.9
Leasing and development of land required for future development of natural gas power plants at Muthurajawela for year 2024 - 2039	1,000.0	1,000.0	1,000.0
Installation of 50 MW grid scale battery storage units by 2025 including initial pilot level installation		1,850.0	2,700.0
Backup control center for NSCC	126.8	474.2	160.6
Additional features for the National System Control Center	76.5	76.5	
Construction of Transmission Division Head Quarters Building	1,000.0	1,000.0	900.0
Total	**59,751.6**	**78,283.5**	**82,172.8**

Table 10: Transmission Licensee - Minor CAPEX

Minor CAPEX (LKR Million)			
	2,021	**2,022**	**2,023**
Quality driven CAPEX			
Transmission Division Reinforcement CAPEX	-	-	-
OPGW Network Project (380.00)	2.8	-	-
Telecommunication System & New Sys.Con.CenSri J'Pura	2,127.5	-	-
CMMS (336.00)	26.9	-	-
Uncommitted Projects	-	-	153.0
Subtotal	**2,157.2**	**-**	**153.0**
Replacement CAPEX	**-**	**-**	**-**
Reinforcement CAPEX			
Transmission Division Reinforcement CAPEX	-	-	-
Green Power Development and Energy Efficiency Im.Iny. Project (360.00)	-	99.1	-
CE/TR/OANDM/CNR/CC/OF/36 (358.00) yard	18.5	-	-
Project Division Committed CEB Projects - Reinforcement	2,681.8	28,848.6	3,626.5
Project Division Committed GOSL Projects - Reinforcement	5,827.4	7,818.8	398.7
Uncommitted Projects - Reinforcement	-	-	-
Subtotal	**8,527.8**	**36,766.6**	**4,025.3**
Other CAPEX			

Transmission Division Minor Capex Addition	875.3	352.9	305.3
Project Division Committed CEB Projects (Minor)	28.4	794.2	142.4
Project Division Committed GOSL Projects (Minor)	217.7	27.4	16.6
Uncommitted :Construction of Transmission Division Head Quarters Building	-	-	-
395/WIP/20/01 Building proposed Office (395.00) Transmission Division Other CAPEX-Kent road building	-	-	-
Construction of Proposed Building for the office of CE O&M (Southern) 356.00/PSO/20/0454 (356.00)	9.5	-	-
Subtotal	**1,130.8**	**1,174.5**	**464.3**
Total	**11,815.8**	**37,941.0**	**4,642.5**

3 APPROVED OPEX

Following changes were done to arrive at the approved OPEX for each Licensee apart from any correction of errors in the filing.

3.1 CEB TL

Finance cost of Transmission Licensee has been removed from the BSOB OPEX and will be included as the Term Loan in Bulk Supply Tariff calculation.

3.2 LECO-DL5

Solar generation payment cost has been removed from OPEX. The actual payment for solar generation will be recognized UNT adjustment calculation as per the revised Tariff Methodology.

3.3 Approved Transmission and BSOB OPEX

Table 11: Approved Transmission OPEX

	Unit	2021	2022	2023
Approved Transmission OPEX	LKR million	4,363.6	4,599.4	4,858.2

Table 12: Approved BSOB OPEX

	Unit	2021	2022	2023
Approved BSOB OPEX	LKR million	2,818.8	2,915.3	3,119.9

3.4 Approved Distribution OPEX and Retail OPEX

Table 13: Approved Distribution OPEX of DLs

Approved OPEX	Unit	2021	2022	2023
DL1	LKR million	17,265.1	18,511.2	19,577.3
DL2	LKR million	16,946.7	16,975.8	13,025.5
DL3	LKR million	11,249.0	11,776.7	12,540.6
DL4	LKR million	8,487.2	9,084.6	9,374.0
DL5	LKR million	5,310.1	5,432.3	6,020.1
Total Distribution OPEX	**LKR million**	**59,258.0**	**61,780.6**	**60,537.5**
Forecast Sales	GWh	15,430.6	16,164.8	16,928.4
Distribution OPEX per kWh sold	**LKR/kWh**	**3.84**	**3.82**	**3.58**

Table 14: Approved Retail OPEX of DLs

Approved OPEX	Unit	2021	2022	2023
DL1	LKR million	3,521.9	3,811.7	4,124.3
DL2	LKR million	5,047.7	5,442.1	5,912.6
DL3	LKR million	2,067.2	2,167.9	2,330.6
DL4	LKR million	1,610.0	1,669.4	1,743.2
DL5	LKR million	1,181.3	1,309.9	1,452.8
Total Retail OPEX	**LKR million**	**13,428.2**	**14,401.0**	**15,563.5**

4 APPROVED REVENUE CAP AND RETAIL SERVICES PRICE CAP

4.1 Approved Distribution Variable Revenue Cap and Retail Services Price Cap

When calculating the allowed Return on Assets (ROA) 5.6% per annum, the following assumptions have been made;

- Debt to equity ratio is 60:40
- Rate of return on equity (treasury bond rate) is 8%
- Cost of debt is 4%

Table 15: Approved Distribution Variable Revenue Cap

Approved Distribution Variable Revenue Cap	Unit	2021	2022	2023
DL1	LKR million	23,967.8	24,784.4	25,614.4
DL2	LKR million	20,118.5	20,640.1	21,068.8
DL3	LKR million	13,473.5	13,895.0	14,358.3
DL4	LKR million	10,594.7	10,919.5	11,241.5
DL5	LKR million	7,025.1	7,183.8	7,341.8
Total Distribution Rev cap	**LKR million**	**75,179.6**	**77,422.8**	**79,624.8**

Table 16: Approved Retail Services Price Cap

Approved Retail Services Price Cap	Unit	2021	2022	2023
DL1	LKR/customer	1,831.5	1,831.5	1,831.5
DL2	LKR/customer	2,292.4	2,292.4	2,292.4
DL3	LKR/customer	1,533.3	1,533.3	1,533.3
DL4	LKR/customer	1,429.6	1,429.6	1,429.6
DL5	LKR/customer	2,092.0	2,092.0	2,092.0

4.2 Transmission and BSOB Revenue Cap

Table 17: Transmission and BSOB Revenue Cap

Approved Revenue Cap	Unit	2021	2022	2023
Transmission Revenue Cap	LKR million	17,410.0	22,654.8	27,572.3
BSOB Revenue Cap	LKR million	2,945.8	2,945.8	2,945.8
Total allowed revenue	**LKR million**	**20,355.9**	**25,600.7**	**30,518.1**

5 CLAWBACK PROVISIONS

5.1 CAPEX

Clawback of depreciation and Return on Equity allowed for forecast capital expenditure during 2021-2023 will be made during annual revenue cap calculation based on actual capital cost recorded and submitted by each Licensee (TL and DLs).

Year 2021 revenue caps were adjusted (clawback) for actual CAPEX in year 2019 as shown in Table 18.

Table 18: Adjusted approved Distribution revenue cap for year 2021

	Unit	DL1	DL2	DL3	DL4	DL5	TL
Revenue cap for 2021	LKR million	23,967.8	20,118.5	13,473.5	10,594.7	7,025.1	17,410.0
CAPEX Clawback 2019	LKR million	267.8	59.1	25.8	16.3	97.7	84.0
Revenue cap approved for 2021	**LKR million**	**23,700.0**	**20,059.4**	**13,447.7**	**10,578.4**	**6,927.4**	**17,326.0**

6 APPROVED LOSSES FOR THE PERIOD

The approved network losses for 2021 are shown in Table 19 below. The allowed losses for the period 2015-2020, were not realized by most of the Licensees, especially during latter part of the tariff period. Thus, the network losses as filed were allowed for year 2021.

Table 19- Approved Network Losses for 2021

Licensee	DL 1	DL 2	DL 3	DL 4	DL 5	TL
Approved losses for 2021	6.50%	9.50%	8.14%	7.43%	3.99%	2.82%

7 GENERATION COSTS

The approved generation dispatch for Jan 2021 – Jun 2021 is shown in Table 20 below.

Table 20- Dispatch approved by the Commission for Jan 2021 – Jun 2021

Plant\Month	Code	Unit	Month of the year 2021						
			Jan	Feb	Mar	Apr	May	Jun	Total
Independent Power Producers (IPPs)									
Sojitz Kelanitissa – 165 MW	Sojitz	GWh	44.2	48.8	40.9	57.9	34.5	26.4	252.6
Kerawalapitiya – 270 MW	CCKW	GWh	180.8	163.3	180.8	175.0	177.9	175.0	1052.7
ACE - Matara - 20 MW	DMAT	GWh	12.9	8.9	12.2	9.7	6.0	7.9	57.6
ACE - Embilipitiya -99WW	DEMB	GWh	52.4	46.4	50.7	50.4	44.4	48.0	292.4
130MW Sup.Gen.	SUP	GWh	1.7	3.2	9.7	19.7	2.2	9.6	46.1
Total IPP		**GWh**	**292.0**	**270.6**	**294.3**	**312.6**	**265.1**	**266.9**	**1701.4**
CEB GL's Thermal Generation									
Sapu Old 4 x 18 MW	DSP1	GWh	30.4	27.4	30.4	29.4	30.4	29.4	177.2
Sapu Ext. 8 x 9 MW	DSP2	GWh	38.2	34.5	38.2	36.9	38.2	36.9	222.8
KPS GT 1 x 115 MW	GT07	GWh	0.0	0.3	0.1	0.0	0.0	1.3	1.8
KPS GT 5 x 17 MW	GT16	GWh	0.0	0.0	0.0	0.0	0.0	0.1	0.1
KPS Combined – 165 MW	CCKP	GWh	76.9	72.4	74.1	78.9	69.4	72.3	444.0
Coal – Puttlam 300 MW	CPUT	GWh	444.8	480.1	531.5	514.4	531.5	372.7	2875.0
Total CEB GL's Thermal Generation		**GWh**	**590.2**	**614.7**	**674.3**	**659.6**	**669.5**	**512.7**	**3721.0**
Rooftop Solar PV		GWh	13.7	17.7	21.8	17.2	20.2	19.7	110.3
Renewable energy	NCRE	GWh	99.1	74.3	86.7	104.3	167.6	196.1	728.0
Total Renewable energy		**GWh**	**112.8**	**92.0**	**108.5**	**121.5**	**187.8**	**215.8**	**838.3**
Chunnakam	DCHU	GWh	0.2	0.2	0.2	0.2	0.2	0.2	1.2
New Chunnakam	DNCHU	GWh	13.5	12.9	15.2	14.7	14.4	13.5	84.2
Total Northern generation		**GWh**	**13.7**	**13.1**	**15.4**	**14.9**	**14.6**	**13.7**	**85.4**
CEB GL's Hydropower Generation		**GWh**	**401.0**	**323.2**	**418.9**	**286.6**	**367.6**	**464.5**	**2261.8**
Total Generation		**GWh**	**1,409.6**	**1,313.5**	**1,511.4**	**1,395.2**	**1,504.6**	**1,473.6**	**8,607.9**

Forecast system coincident peak generation demand and the approved monthly capacity costs of each generation plant/ hydro scheme are shown in Table 21 and Table 22 below.

Table 21- Forecast system coincident peak demand for Jan 2021 – Jun 2021

Item\Month	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
System Coincidental Peak demand	**MW**	**2,612**	**2,724**	**2,825**	**2,651**	**2,652**	**2,618**

Table 22- Approved Capacity payments to GL by TL for Jan 2021 – June 2021

Plant\Month	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Mahaweli	LKR Million	687.9	687.9	687.9	687.9	687.9	687.9
Laxapana	LKR Million	368.9	368.9	368.9	368.9	368.9	368.9
Other Hydro	LKR Million	291.5	291.5	291.5	291.5	291.5	291.5
DSP1	LKR Million	84.0	84.0	84.0	84.0	84.0	84.0
DSP2	LKR Million	91.6	91.6	91.6	91.6	91.6	91.6
GTSM	LKR Million	77.0	77.0	77.0	77.0	77.0	58.3
GT7	LKR Million	127.5	96.0	96.0	127.5	127.5	96.0
CCKP	LKR Million	110.2	110.2	110.2	110.2	110.2	110.2
CPUT	LKR Million	1,717.8	1,717.8	1,717.8	1,717.8	1,717.8	1,717.8
BARGE*	LKR Million	-	-	-	-	-	-
DCHU	LKR Million	11.2	11.2	11.2	11.2	11.2	11.2
DNCHU	LKR Million	55.1	55.1	55.1	55.1	55.1	55.1
DAPL*	LKR Million	-	-	-	-	-	-
Sojitz	LKR Million	64.1	57.9	64.1	62.0	64.1	62.0
DEMB*	LKR Million	-	-	-	-	-	-
DMAT*	LKR Million	-	-	-	-	-	-
CCKW	LKR Million	902.8	902.8	873.7	902.8	873.7	971.5
RENW	LKR Million	-	-	-	-	-	-
DNOR*	LKR Million	93.1	96.2	93.1	96.2	96.2	93.1
50MW Thulhiriya*	LKR Million	-					
50MW Kolonnawa*	LKR Million	-					
50MW Mathugama*	LKR Million	-					
130MW Sup.Gen.	LKR Million	360.5	325.6	360.5	348.9	360.5	348.9
Total	**LKR Million**	**5,043.1**	**4,973.6**	**4,982.5**	**5,032.5**	**5,017.1**	**5,048.0**
Depreciation Provision Excluded from CEB GL*	LKR Million	1,159.8	1,159.8	1,159.8	1,159.8	1,159.8	1,159.8
Return of Equity allowed for CEB GL*	LKR Million	232.0	232.0	232.0	232.0	232.0	232.0

	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Generation Capacity cost	**LKR /MW**	**1,575,609.93**	**1,485,344.39**	**1,435,084.71**	**1,548,494.88**	**1,541,932.77**	**1,574,026.78**

* Notes:

- The Capacity costs of Asia power, Ace Matara and Ace Embilipitiya were removed as their licenses have been expired. Further the Capacity cost of Barge, 50MW Diesel power (Thulhiriya, Kolonnawa, and Mathugama can't be allowed as the Licenses have not been issued.
- Though Northern Power Pvt Ltd power plant is not operating as per a court order, capacity cost was allowed.
- Depreciation on CEB generation plants was removed and a Return on Equity was allowed.

Forecast monthly generation from each generation plant along with approved average cost (LKR/kWh) is shown in Table 23 below.

Table 23- Approved Energy Payments to GL by TL for Jan 2021 – June 2021

Plant\Month	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Mahaweli, Laxapana and Other Hydro	GWh	401.0	323.2	418.9	286.6	367.6	464.5
	LKR /kWh	-	-	-	-	-	-
DSP1	GWh	30.4	27.4	30.4	29.4	30.4	29.4
	LKR /kWh	20.73	21.23	20.73	20.89	20.73	20.89
DSP2	GWh	38.2	34.5	38.2	36.9	38.2	36.9
	LKR /kWh	18.42	18.74	18.42	18.52	18.42	18.52
GTSM	GWh	-	-	-	-	-	0.1
	LKR /kWh	-	-	-	-	-	305.14
GT7	GWh	-	0.3	0.1	-	-	1.3
	LKR /kWh	-	136.22	270.54	-	-	60.93
CCKP	GWh	76.9	72.4	74.1	78.9	69.4	72.3
	LKR /kWh	18.51	18.28	18.66	18.57	18.32	18.29
CPUT	GWh	444.8	480.1	531.5	514.4	531.5	372.7
	LKR /kWh	6.88	6.84	6.79	6.81	6.79	6.99
BARGE*	GWh	-	-	-	-	-	-
	LKR /kWh	-	-	-	-	-	-
DCHU	GWh	0.2	0.2	0.2	0.2	0.2	0.2
	LKR /kWh	34.63	34.63	34.63	34.63	34.63	34.63
DNCHU	GWh	13.5	12.9	15.2	14.7	14.4	13.5
	LKR /kWh	17.70	17.81	17.45	17.51	17.55	17.70
DAPL*	GWh	-	-	-	-	-	-
	LKR /kWh	-	-	-	-	-	-
Sojitz	GWh	44.2	48.8	40.9	57.9	34.5	26.4
	LKR /kWh	24.26	24.27	24.26	24.12	24.35	24.32
DMAT*	GWh	12.93	8.92	12.17	9.68	6.03	7.89
	LKR /kWh	20.09	20.52	20.44	20.75	19.87	20.36
DEMB*	GWh	52.4	46.4	50.7	50.4	44.4	48.0

	LKR /kWh	20.09	20.52	20.44	20.75	19.87	20.36
CCKW	GWh	180.8	163.3	180.8	175.0	177.9	175.0
	LKR /kWh	19.31	19.47	19.35	19.38	19.41	19.42
RENW	GWh	99.1	74.3	86.7	104.3	167.6	196.1
	LKR /kWh	20.33	20.98	20.96	20.48	19.83	20.29
50MW Thulhiriya*	GWh	-	-	-	-	-	-
	LKR /kWh	-	-	-	-	-	-
50MW Kolonnawa*	GWh	-	-	-	-	-	-
	LKR /kWh	-	-	-	-	-	-
50MW Mathugama*	GWh	-	-	-	-	-	-
	LKR /kWh	-	-	-	-	-	-
130MW Supplementary Power	GWh	1.7	3.2	9.7	19.7	2.2	9.6
	LKR /kWh	25.93	25.88	25.82	25.82	25.82	25.82
Rooftop Solar PV	GWh	13.7	17.7	21.8	17.2	20.2	19.7
	LKR /kWh	22.00	22.00	22.00	22.00	22.00	22.00
Self generation	GWh	-	-	-	-	-	-
	LKR /kWh	36.00	36.00	36.00	36.00	36.00	36.00

Total generated energy	**GWh**	**1,409.6**	**1,313.5**	**1,511.4**	**1,395.2**	**1,504.6**	**1,473.6**

Monthly energy cost	**LKR Million**	**14,297.3**	**13,642.3**	**14,955.9**	**15,583.3**	**15,593.3**	**15,416.9**
Total Energy cost for six-months	**LKR Million**	**89,489.0**					
Total energy dispatch for six-months	**GWh**	**8,607.9**					
Six-month average energy cost	**LKR/kWh**	**10.70**					

* Notes:

- Due to the expiration of the licenses, only the weighted average energy costs of the thermal power plants were allowed as the energy costs of Ace Matara and Embilipitiya.
- Due to the absence of the license, energy generation of Barge, Asia power, 50MW Diesel power (Thulhiriya, Kolonnawa, and Mathugama), were removed and added to Hydro.

8 ENERGY COSTS IN EACH INTERVAL FOR TOU PRICING

Using the approved Methodology, the Commission has determined that the peak adjustment factors to be as given in Table 24 below.

Table 24: Approved Peak Adjustment Factors

Time interval for TOU pricing	Factor	Value
0530 – 1830	k1	1.0
1830 - 2230	k2	1.3
2230 - 0530	k3	0.6

The energy dispatches and costs in each interval are provided in tables below. The Commission has assessed the energy dispatches in each interval using historic information on the load profile on typical weekdays, week-ends and holidays.

Table 25- Monthly Energy Dispatches and Costs in the TOU Regime for Jan 2021 – Jun 2021

	Unit	Jan-21	Feb-21	Mar-21	Apr-20	May-21	Jun-21
Generation Energy cost	LKR/kWh	10.14	10.39	9.90	11.17	10.36	10.46

Month 1 - Block tariffs				
Block	**Energy generated (GWh)**	**Block Factor (#)**	**Adjusted Factor (#)**	**Charge (LKR/kWh)**
B1 (Day)	817.6	1	1.03	10.46
B2 (Peak)	277.7	1.3	1.34	13.59
B3 (Off peak)	314.3	0.6	0.62	6.27

Month 2 - Block tariffs				
Block	**Energy generated (GWh)**	**Block Factor (#)**	**Adjusted Factor (#)**	**Charge (LKR/kWh)**
B1 (Day)	761.8	1	1.03	10.71
B2 (Peak)	258.8	1.3	1.34	13.92
B3 (Off peak)	292.9	0.6	0.62	6.43

Month 3 - Block tariffs				
Block	**Energy generated (GWh)**	**Block Factor (#)**	**Adjusted Factor (#)**	**Charge (LKR/kWh)**
B1 (Day)	876.6	1	1.03	10.20
B2 (Peak)	297.7	1.3	1.34	13.26
B3 (Off peak)	337.0	0.6	0.62	6.12

Month 4 - Block tariffs				
Block	**Energy generated (GWh)**	**Block Factor (#)**	**Adjusted Factor (#)**	**Charge (LKR/kWh)**
B1 (Day)	809.2	1	1.03	11.52
B2 (Peak)	274.9	1.3	1.34	14.97
B3 (Off peak)	311.1	0.6	0.62	6.91

Month 5- Block tariffs				
Block	**Energy generated (GWh)**	**Block Factor (#)**	**Adjusted Factor (#)**	**Charge (LKR/kWh)**
B1 (Day)	872.7	1	1.03	10.69
B2 (Peak)	296.4	1.3	1.34	13.89
B3 (Off peak)	335.5	0.6	0.62	6.41

Month 6 - Block tariffs				
Block	**Energy generated (GWh)**	**Block Factor (#)**	**Adjusted Factor (#)**	**Charge (LKR/kWh)**
B1 (Day)	854.7	1	1.03	10.79
B2 (Peak)	290.3	1.3	1.34	14.02
B3 (Off peak)	328.6	0.6	0.62	6.47

9 COMBINED COSTS OF SINGLE BUYER, AND TRANSMISSION AND BSOB

The allowed capacity costs of generation and energy costs of generation have been combined with the allowed transmission and BSOB costs to calculate the Bulk Supply Tariffs (BST) for sales by the TL to DLs. The approved average BST in each month in each TOU interval is given in Table 16 below and Table 27 provides the six-month average.

Table 26- Combined Transfer Price from TL to DLs for Jan 2021 – Jun 2021

Capacity Charge							
	Unit	**Jan-21**	**Feb-21**	**Mar-21**	**Apr-21**	**May-21**	**Jun-21**
Generation capacity	LKR /MW	1,575,609.93	1,485,344.39	1,435,084.71	1,548,494.88	1,541,932.77	1,574,026.78
Transmission	LKR /MW	552,795.47	530,074.26	511,018.62	544,684.25	544,422.01	551,579.28
Bulk Supply and Operation Business	LKR /MW	507,945.82	487,068.03	469,558.42	500,492.68	500,251.71	506,828.30
BST (C)	LKR /MW	2,636,351.21	2,502,486.68	2,415,661.74	2,593,671.81	2,586,606.49	2,632,434.36
BST (C)6-Month Weighted average	**LKR/MW**	**2,559,028.35**					

Energy Charge							
Month	**Unit**	**Jan-21**	**Feb-21**	**Mar-21**	**Apr-21**	**May-21**	**Jun-21**
Interval 1 (day)							
Transmission Loss Factor B1	%	2.90%	2.90%	2.90%	2.90%	2.90%	2.90%
Generation energy Cost B1	LKR /kWh	10.46	10.71	10.20	11.52	10.69	10.79
BST (E1)	**LKR/kWh**	**10.76**	**11.02**	**10.50**	**11.85**	**10.99**	**11.10**

Interval 2 (peak)

Transmission Loss Factor B2	%	3.70%	3.70%	3.70%	3.70%	3.70%	3.70%
Generation energy Cost B2	LKR /kWh	13.59	13.92	13.26	14.97	13.89	14.02
BST (E2)	**LKR/kWh**	**14.10**	**14.44**	**13.75**	**15.52**	**14.40**	**14.54**

Interval 3 (off peak)

Transmission Loss Factor B3	%	2.05%	2.05%	2.05%	2.05%	2.05%	2.05%
Generation energy Cost B3	LKR /kWh	6.27	6.43	6.12	6.91	6.41	6.47
BST (E3)	**LKR/kWh**	**6.40**	**6.56**	**6.25**	**7.05**	**6.54**	**6.60**

Table 27- Approved Six-month Average Bulk Supply Tariffs for Jan 2021 – Jun 2021

	Unit	BST (E)
BST day (E1) 3-Month weighted average	**LKR/kWh**	**11.03**
BST peak (E2) 3-Month weighted average	**LKR/kWh**	**14.45**
BST off-peak (E3) 3-Month weighted average	**LKR/kWh**	**6.56**

BST = Bulk Supply Tariff, means the average transfer price from Transmission to Distribution Licensees

E1, E2, E3 refer to the energy delivered in the three-time intervals in the time-of-use tariffs regime. ie 0530-1830, 1830-2230 and 2230-0530, respectively.

10 APPROVED BST FROM TL TO EACH DL

Owing to the requirement to maintain a Uniform National Tariff (UNT) and owing to the varying customer mix among Distribution Licensees, the BST to each DL was adjusted, to enable each Distribution Licensee to recover their full allowed revenues. The summary calculation and the approved BSTs are shown in Table 21.

The Transmission Licensee is hereby directed to invoice each Distribution Licensee at the rates shown in Table 27 as (i) Approved BST for payment on Coincident Maximum, and (ii) Approved BST for energy in each TOU interval.

Table 27: Approved BST from Transmission to each Distribution Licensee for period Jan-Jun 2021

Description	Units	DL1: CEB Region 1	DL2: CEB Region 2	DL3: CEB Region 3	DL4: CEB Region 4	DL5: LECO	Total
Sales to end-use customers – 2021 (Jan-Dec)	GWh	4,277	4,745	2,626	2,043	1,740	15,431
Revenue based on approved customer tariffs – 2021 (Jan-Dec)	LKR Million	79,613.3	78,664.4	47,646.2	34,193.3	36,026.4	276,143.5
Coincident peak demand for purchases from Transmission	MW	710	777	522	374	296	-
Approved BST for payment on Coincident Maximum Demand	LKR/MW/ month	2,559,028.35	2,559,028.35	2,559,028.35	2,559,028.35	2,559,028.35	-
Amount payable to Transmission on account of Demand (Jan – Jun 2021)	LKR Million	10,907.6	11,925.1	8,021.1	5,749.9	4,549.5	41,153.2
Allowed losses (2021)		6.50%	9.50%	8.14%	7.43%	3.99%	-
Revenue to be recovered by Transmission through energy charges (Jan – Jun 2021)	LKR Million	14,982.3	14,483.7	7,880.2	5,153.8	9,245.5	51,745.4
Energy sold from Transmission at MV (Jan – Jun 2021)	GWh	2,249	2,573	1,399	1,078	909	8,207
Approved BST for energy in each TOU interval							
Peak (1830-2230)	**LKR/kWh**	**9.00**	**7.60**	**7.61**	**6.46**	**13.74**	**-**
Off Peak (2230-0530)	**LKR/kWh**	**4.09**	**3.45**	**3.46**	**2.93**	**6.24**	**-**
Day (0530-1830)	**LKR/kWh**	**6.87**	**5.80**	**5.81**	**4.93**	**10.49**	**-**

11 ADJUSTMENT OF SALES TO DL5 (LECO) BY DL2, DL3 AND DL4

Sales to DL5 shall be metered at the relevant points of purchase by DL5 from DL2, DL3 and DL4. Such meter readings shall be adjusted upwards by the Transmission Licensee for the energy loss incurred by DL2, DL3 and DL4 to serve DL5. BST shown in Table 27 shall then be applied to the adjusted sales to DL5. Correspondingly, the Transmission Licensee shall deduct the sales to DL5, and energy losses to the meter readings of DL2, DL3 and DL4, and then apply the relevant BST shown in Table 27.

The loss adjustments to be applied to meter readings shall be as given in Table 28.

Table 28: Loss Adjustments to be applied to Meter Readings to account for wheeling losses to serve DL5 (LECO)

Description		DL2: CEB Region 2	DL3: CEB Region 3	DL4: CEB Region 4
Sum of sales to DL5 measured at metering points embedded in each licensee network	Energy (GWh)	$EDL2_{DL5}$	$EDL3_{DL5}$	$EDL4_{DL5}$
	Coincident Peak Demand (MW)	$CDL2_{DL5}$	$CDL3_{DL5}$	$CDL4_{DL5}$
Upwards adjustment for sales to DL5	Energy	2.1%	2.0%	1.9%
Energy sales to DL5 to which the Approved BST from TL to DL5 should be applied for invoicing	GWh	0.021 x $EDL2_{DL5}$	0.020 x $EDL3_{DL5}$	0.019 x $EDL4_{DL5}$
Coincident peak demand of DL5 to which the Approved BST from TL to DL5 should be applied for invoicing	MW	2.0 + $CDL2_{DL5}$	2.5 + $CDL3_{DL5}$	3.0 + $CDL4_{DL5}$
Sum of sales from TL to each DL	Energy (GWh)	ETL_{DL2}	ETL_{DL3}	ETL_{DL4}
	Coincident Peak Demand (MW)	CTL_{DL2}	CTL_{DL3}	CTL_{DL4}
Energy sales to each DL to which the Approved BST from TL to the respective DL should be applied for invoicing	GWh	ETL_{DL2}- (1.021 x $EDL2_{DL5}$)	ETL_{DL3}- (1.020 x $EDL3_{DL5}$)	ETL_{DL4}- (1.019 x $EDL4_{DL5}$)
Coincident peak demand of each DL to which the Approved BST from TL to the respective DL should be applied for invoicing	MW	CTL_{DL2} - (2.0 + $CDL2_{DL5}$)	CTL_{DL3} – (2.5 + $CDL3_{DL5}$)	CTL_{DL4} – (3.0 + $CDL4_{DL5}$)

12 FORECASTED TOTAL COST AND REVENUE FOR 2021

The forecasted total cost of supplying electricity, the total revenue generated from selling electricity and surplus/ (deficit) for the year 2021 are shown in Table 29.

Note: Generation energy cost and generation capacity cost for the second half of the year 2021 have been estimated to be the same as the first half of the year.

Table 29: Forecasted Total Cost and Revenue

	Units	Jan-Jun 2021	2021
Generation - Energy Cost	LKR Million	89,489.0	180,461.2
Generation - Capacity Cost	LKR Million	24,530.1	49,466.7
Transmission Revenue Cap	LKR Million	8,591.8	17,326.0
BSOB Revenue Cap	LKR Million	1,460.8	2,945.8
Term Loan	LKR Million	6,433.9	12,974.5
Distribution Revenue Cap	LKR Million	37,049.38	74,712.83
Retail Cost	LKR Million	6,988.9	14,093.6
Total Cost	LKR Million	174,543.90	351,980.68
Sales excluding streetlights	GWh	7,570.7	15,266.9
Average Cost of a unit sold	LKR /kWh	23.06	23.06
Total Revenue	LKR Million	136,936.9	276,143.5
Average Revenue	LKR /kWh	18.09	18.09
Surplus/ (deficit)	LKR /kWh	(4.97)	(4.97)
Surplus/ (deficit)	%	(21.5%)	(21.5%)