

Ceylon Electricity Board

# Statistical Digest 2018



## SUMMARY STATISTICS 2018

		Units	2017	2018	Annual Percentage Change
Number of Power Stations (with PPP)		No.	246	258	4.9%
Installed Capacity (with PPP)		MW	4,060	4,046	-0.3%
Maximum Demand		MW	2,523	2,616	3.7%
Net Generation (with PPP)		GWh	14,671	15,374	4.8%
Trans. & Distribution Losses (On Net Generation)		%	8.45 (a)	8.34 (a)	-0.1
Gross Energy Sold		GWh	13,431	14,091	4.9%
Average Selling Price Per Unit		Rs/kWh	16.26	16.29	0.2%
Average Cost Per Unit (@ selling point)		Rs/kWh	20.34	19.12	-6.0%
Revenue from Billed Sales		M.Rs	218,450	229,557	5.1%
Total Consumer Accounts		No.	6,193,131	6,354,281	2.6%
Rooftop Solar PV	Connections	No.	7,861(a)	11,882(a)	51.2%
	Capacity	kW	70,442(a)	124,392(a)	76.6%
Self Generation	Generation	MWh	37,531	-	
	Cost	M.Rs	1,085	-	
Area Offices		No.	62	62	0.0%
CSCs		No.	217	221	1.8%
POS Centers Operated by CEB		No.	65	66	1.5%
Households Electrified During the Year		No.	181,627	118,077	-35.0%
System Load Factor (Calculated on Net Generation)		%	66.37	67.08	1.1%
Total Employed (as at year end)		No.	20,343	20,593	1.2%
Capital Investments		M.Rs	50,461	55,080	9.2%
Net Fixed Assets in Operation (average)		M.Rs	722,877	747,049	3.3%
Rate of Return on Fixed Assets		%	-4.34	-2.68	1.7%
No. of Consumers per Employee		No./Employee	304	309	1.4%
Per Capita Electricity Consumption		kWh/Person	626	650	3.8%
Consumers per unit Length of Distribution Lines		No./km	35.1	34.9	
Electricity Demand Elasticity (w.r.t. GDP)			1.47	1.53	
Total Energy Consumption in Sri Lanka		kTOE	10,122.08 (a)		
Per Capita Energy Consumption in Sri Lanka		kgOE/Person	472(a)		
Share of Elect. in Total Energy Supply		%	11.36 (a)		

CSC : Consumer Service Centres  
PPP : Private Power Producers

POS : Point of Sales Cash Counters  
(a) : Provisional

Note :- (1) All financial data are provisional.

(2) Electricity Tariffs were last revised in 2014, ToU Tariff for Domestic Consumers introduced in 2017.

## GENERATION STATISTICS

Ownership & Type of Power Station	No. of Power Stations			Installed Capacity (MW)		
	2017	2018	% Change	2017	2018	% Change
<b>CEB :Total</b>	<b>26</b>	<b>25</b>	<b>-3.8%</b>	<b>2,898</b>	<b>2,903</b>	<b>0.2%</b>
Hydro	17	17	0.0%	1,391	1,399	0.5%
Thermal (Oil)	7	7	0.0%	604	604	0.0%
Thermal (Coal)	1	1	0.0%	900	900	0.0%
ORE (Wind)	1	0	-100.0%	3	0	-100.0%
<b>PPP : Total</b>	<b>220</b>	<b>233</b>	<b>5.9%</b>	<b>1,162</b>	<b>1,143</b>	<b>-1.6%</b>
ORE (Mini Hydro)	182	195	7.1%	354	394	11.3%
Thermal (Oil)	5	3	-40.0%	602	533	-11.5%
ORE (Wind)	15	15	0.0%	128	128	0.0%
ORE (Solar,Dendro,Biomass)	18	20	11.1%	77	88	14.2%
<b>Total</b>	<b>246</b>	<b>258</b>	<b>4.9%</b>	<b>4,060*</b>	<b>4,046</b>	<b>-0.3%</b>

ORE - Other Renewable Energy (Mini Hydro, Wind, Solar, Dendro, Biomass)

\* Northern Power Plant (27MW) was unavailable for dispatch since 2015-01-18 due to a judicial order

Ownership & Source	Generation (GWh)			Percentage of Total	
	2017	2018	% increase	2017	2018
<b>CEB :Total</b>	<b>10,693</b>	<b>11,803</b>	<b>10.4%</b>	<b>72.9%</b>	<b>76.8%</b>
Hydro	3,059	5,149	68.4%	20.8%	33.5%
Thermal (Oil)	2,529	1,886	-25.4%	17.2%	12.3%
Thermal (Coal)	5,103	4,764	-6.7%	34.8%	31.0%
ORE (Wind)	2.2	1.3	-41.7%	0.0%	0.0%
Small Islands	N/A	2.4			
<b>PPP :Total</b>	<b>3,978</b>	<b>3,571</b>	<b>-10.2%</b>	<b>27.1%</b>	<b>23.2%</b>
ORE (Mini Hydro)	945	1,232	30.3%	6.4%	8.0%
Thermal (Oil)	2,516	1,740	-30.8%	17.1%	11.3%
ORE (Wind)	365	325	-10.8%	2.5%	2.1%
ORE (Solar,Dendro,Biomass)	152	185	21.8%	1.0%	1.2%
Rooftop Solar	N/A	88			
<b>Total Generation</b>	<b>14,671</b>	<b>15,374</b>	<b>4.8%</b>	<b>100.0%</b>	<b>100.0%</b>

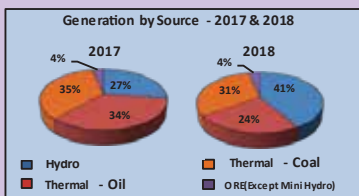
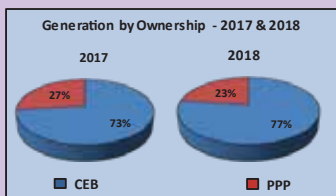
**Avg. Daily Generation - GWh/day** 40.19    42.12    4.8%

	Generation by Source (GWh)			Installed Capa. by Source (MW)		
	2017	2018	% increase	2017	2018	% increase
Major Hydro	3,059	5,149	68.4%	1,391	1,399	0.5%
ORE (Mini Hydro)	945	1,232	30.3%	354	394	11.3%
<b>Total Hydro</b>	<b>4,004</b>	<b>6,381</b>	<b>59.4%</b>	<b>1,745</b>	<b>1,792</b>	<b>2.7%</b>
Thermal (Oil)	5,045	3,629	-28.1%	1,206	1,137	-5.7%
Thermal (Coal)	5,103	4,764	-6.7%	900	900	0.0%
ORE (Except Mini Hydro)	519	600	15.6%	209	217	3.8%
<b>Total Generation</b>	<b>14,671</b>	<b>15,374</b>	<b>4.8%</b>	<b>4,060</b>	<b>4,046</b>	<b>-0.3%</b>

Day Maximum Demand (MW) 2,264.2    2,260.2    -0.2%    \*\*On Wednesday, 17 May 2017

Night Maximum Demand (MW) 2,523.2\*\*    2,616.1\*\*\*    3.7%    \*\*\*On Tuesday, 01 May 2018

Hydro Reservoir Capacity (GWh) 1,259    1,197

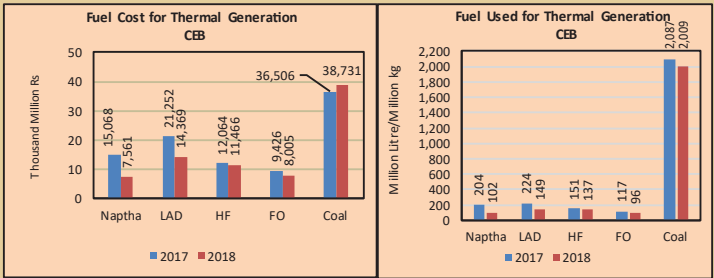


Note:- All generation figures indicated above refer to net generation.

## FUEL USED FOR THERMAL GENERATION

CEB Name of Power Station	Type of Fuel	Fuel Cost in M.Rs				Fuel Used in M.Litres	
		2017 M.Rs	2017 Rs/kWh	2018 M.Rs	2018 Rs/kWh	2017	2018
KPS (Small GT)	LAD	2,395	45.12	583	44.29	25	6
KPS (GT 7)	LAD	11,622	33.41	7,111	34.05	122	75
KPS (CC)	LAD	6,241	21.98	5,377	20.38	66	57
	Naphtha	15,068		7,561		204	102
SPPS (Diesel) A	LAD	447	19.16	470	20.14	5	4
	HF	5,734		4,283		72	51
SPPS (Diesel) B	LAD	120	17.43	348	18.39	1	3
	HF	6,331		7,183		79	86
Uthuru Janani PS	LAD	20	-	23	-	0	0
	FO	1,799	18.83	1,380	18.74	21	16
Barge	LAD	9	-	19	-	0	0
	FO	7,627	17.40	6,626	18.05	95	80
LVPS Puttalam (Coal)	LAD	399	7.21	437	7.39	4	4
	Coal	36,506		38,731		2,087(M.kg)	2,009(M.kg)
<b>TOTAL</b>		<b>94,317</b>	<b>12.22</b>	<b>80,133</b>	<b>11.06</b>	<b>695*</b>	<b>485*</b>

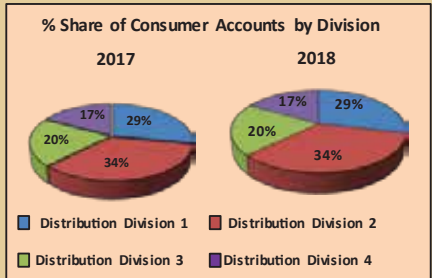
Note:- Fuel rates are calculated based on Gross Generation.



\* Total of Fuel Oil (except Coal) only.

### RURAL ELECTRIFICATION SCHEMES

Year	No. of Schemes Completed
2012	694
2013	799
2014	658
2015	378
2016	232
2017	107
2018	131



## ELECTRICITY SALES BY DISTRIBUTION DIVISIONS IN GWh

Distribution Provinces as per CEB Classification	CEB	Percentage Change	CEB	Percentage of Total	Monthly Avg. Sales kWh/Cons.
	2017	2017/18	2018	2018	2018
Colombo City	1,460	2.1%	1,491	10.6%	691
North Western	1,330	3.2%	1,372	9.7%	135
North Central	529	6.9%	566	4.0%	105
Northern	384	9.1%	419	3.0%	98
<b>Division 1 Total</b>	<b>3,703</b>	<b>3.9%</b>	<b>3,847</b>	<b>27.3%</b>	<b>175</b>
Western North	2,194	6.6%	2,339	16.6%	305
Central	1,266	3.5%	1,310	9.3%	109
Eastern	673	5.9%	712	5.1%	111
<b>Division 2 Total</b>	<b>4,133</b>	<b>5.5%</b>	<b>4,361</b>	<b>30.9%</b>	<b>167</b>
Western South II	1,375	6.8%	1,469	10.4%	288
Uva	350	5.8%	371	2.6%	79
Sabaragamuwa	513	5.4%	541	3.8%	95
<b>Division 3 Total</b>	<b>2,239</b>	<b>6.3%</b>	<b>2,380</b>	<b>16.9%</b>	<b>154</b>
Western South I	698	5.4%	736	5.2%	215
Southern	1,064	5.8%	1,126	8.0%	122
<b>Division 4 Total</b>	<b>1,762</b>	<b>5.6%</b>	<b>1,862</b>	<b>13.2%</b>	<b>148</b>
<b>Bulk Sup. to LECO</b>	<b>1,595</b>	<b>2.8%</b>	<b>1,640</b>	<b>11.6%</b>	<b>-</b>
<b>TOTAL</b>	<b>13,431</b>	<b>4.9%</b>	<b>14,091</b>	<b>100.0%</b>	<b>185</b>

## ELECTRICITY SALES BY TARIFF IN GWh

Tariff	CEB	Percentage Change	CEB	Percentage of Total	Monthly Avg. Sales kWh/Cons.
	2017	2017/18	2018	2018	2018
<b>Domestic</b>	<b>4,385</b>	<b>3.9%</b>	<b>4,558</b>	<b>32.3%</b>	<b>69</b>
<b>Religious</b>	<b>78</b>	<b>5.5%</b>	<b>83</b>	<b>0.6%</b>	<b>175</b>
<b>General Purpose Total</b>	<b>2,780</b>	<b>5.7%</b>	<b>2,939</b>	<b>20.9%</b>	<b>348</b>
GP 1 Small	1,593	6.1%	1,690	12.0%	201
GP 2 Medium	843	5.7%	891	6.3%	15,333
GP 3 Large	343	4.2%	358	2.5%	217,613
<b>Hotel Total</b>	<b>272</b>	<b>5.8%</b>	<b>288</b>	<b>2.1%</b>	<b>53,702</b>
H 1 Small	3	-38.4%	2	0.0%	1,613
H 2 Medium	169	4.5%	177	1.3%	44,649
H 3 Large	100	9.4%	110	0.8%	337,978
<b>Industrial Total</b>	<b>4,043</b>	<b>6.1%</b>	<b>4,290</b>	<b>30.4%</b>	<b>5,714</b>
IP 1 Small	315	3.9%	327	2.3%	477
IP 2 Medium	1,987	2.9%	2,044	14.5%	33,859
IP 3 Large	1,741	10.2%	1,919	13.6%	565,024
<b>Government Total</b>	<b>170</b>	<b>8.6%</b>	<b>184</b>	<b>1.3%</b>	<b>3,394</b>
GV 1 Small	4	167.0%	10	0.1%	197
GV 2 Medium	163	4.6%	170	1.2%	37,609
GV 3 Large	4	27.4%	5	0.0%	125,752
<b>Bulk Supply to LECO</b>					
<b>L2 -11kV &amp; above</b>	<b>1,595</b>	<b>2.8%</b>	<b>1,640</b>	<b>11.6%</b>	<b>-</b>
<b>Street Lighting</b>	<b>108</b>	<b>0.0%</b>	<b>108</b>	<b>0.8%</b>	<b>-</b>
<b>TOTAL</b>	<b>13,431</b>	<b>4.9%</b>	<b>14,091</b>	<b>100.0%</b>	<b>185</b>

## NUMBER OF CONSUMER ACCOUNTS BY PROVINCE

Distribution Provinces as per CEB Classification	CEB 2017	Increase in Accounts 2018	Percentage Change 2017/18	CEB 2018	Percentage of Total 2018
Colombo City	177,593	2,208	1.2%	179,801	2.8%
North Western	828,918	19,849	2.4%	848,767	13.4%
North Central	436,174	11,834	2.7%	448,008	7.1%
Northern	339,420	16,833	5.0%	356,253	5.6%
<b>Division 1 Total</b>	<b>1,782,105</b>	<b>50,724</b>	<b>2.8%</b>	<b>1,832,829</b>	<b>28.8%</b>
Western North	623,911	15,715	2.5%	639,626	10.1%
Central	982,134	20,686	2.1%	1,002,820	15.8%
Eastern	516,695	18,941	3.7%	535,636	8.4%
<b>Division 2 Total</b>	<b>2,122,740</b>	<b>55,342</b>	<b>2.6%</b>	<b>2,178,082</b>	<b>34.3%</b>
Western South II	413,931	11,174	2.7%	425,105	6.7%
Uva	381,433	9,237	2.4%	390,670	6.1%
Sabaragamuwa	464,726	11,199	2.4%	475,925	7.5%
<b>Division 3 Total</b>	<b>1,260,090</b>	<b>31,610</b>	<b>2.5%</b>	<b>1,291,700</b>	<b>20.3%</b>
Western South I	278,276	6,528	2.3%	284,804	4.5%
Southern	749,918	16,946	2.3%	766,864	12.1%
<b>Division 4 Total</b>	<b>1,028,194</b>	<b>23,474</b>	<b>2.3%</b>	<b>1,051,668</b>	<b>16.6%</b>
<b>Bulk Sup. to LECO</b>	<b>1</b>	<b>0</b>	<b>0.0%</b>	<b>1</b>	<b>-</b>
<b>Street Lighting</b>	<b>1</b>	<b>0</b>	<b>0.0%</b>	<b>1</b>	<b>-</b>
<b>TOTAL</b>	<b>6,193,131</b>	<b>161,150</b>	<b>2.6%</b>	<b>6,354,281</b>	<b>100.0%</b>

## NUMBER OF CONSUMER ACCOUNTS BY TARIFF

Tariff	CEB 2017	Increase in Accounts 2018	Percentage Change 2017/18	CEB 2018	Percentage of Total 2018
<b>Domestic</b>	<b>5,425,060</b>	<b>118,077</b>	<b>2.2%</b>	<b>5,543,137</b>	<b>87.2%</b>
<b>Religious</b>	<b>37,999</b>	<b>1,423</b>	<b>3.7%</b>	<b>39,422</b>	<b>0.6%</b>
<b>General Purpose Total</b>	<b>667,062</b>	<b>37,111</b>	<b>5.6%</b>	<b>704,173</b>	<b>11.1%</b>
GP 1 Small	662,436	36,756	5.5%	699,192	11.0%
GP 2 Medium	4,497	347	7.7%	4,844	0.1%
GP 3 Large	129	8	6.2%	137	negli.%
<b>Hotel Total</b>	<b>507</b>	<b>-60</b>	<b>-11.8%</b>	<b>447</b>	<b>0.01%</b>
H 1 Small	183	-93	-50.8%	90	negli.%
H 2 Medium	309	21	6.8%	330	negli.%
H 3 Large	15	12	80.0%	27	negli.%
<b>Industrial Total</b>	<b>60,694</b>	<b>1,876</b>	<b>3.1%</b>	<b>62,570</b>	<b>1.0%</b>
IP 1 Small	55,540	1,717	3.1%	57,257	0.9%
IP 2 Medium	4,885	145	3.0%	5,030	0.1%
IP 3 Large	269	14	5.2%	283	negli.%
<b>Government Total</b>	<b>1,807</b>	<b>2,723</b>	<b>150.7%</b>	<b>4,530</b>	<b>0.07%</b>
GV 1 Small	1,446	2,704	187.0%	4,150	0.07%
GV 2 Medium	359	18	5.0%	377	0.01%
GV 3 Large	2	1	50.0%	3	0.00%
<b>Bulk Supply to LECO</b>					
L2 11kV & above	1	0	-	1	negli.%
<b>Street Lighting</b>	<b>1</b>	<b>0</b>	<b>-</b>	<b>1</b>	<b>negli.%</b>
<b>TOTAL</b>	<b>6,193,131</b>	<b>161,150</b>	<b>2.6%</b>	<b>6,354,281</b>	<b>100.0%</b>

Note:- Trans.Bulk Supply to LECO Accounts are accounted as one from 2011

negli. - negligible.

**REVENUE FROM ELECTRICITY SALES BY PROVINCE IN M.Rs**

Distribution Provinces as per CEB Classification	CEB 2017	Percentage Change 2017/18	CEB 2018	Percentage of Total 2018	Avg.Price Rs/kWh 2018
Colombo City	33,147	1.7%	33,724	14.7%	22.62
North Western	19,569	4.3%	20,416	8.9%	14.88
North Central	7,849	7.4%	8,428	3.7%	14.90
Northern	6,134	9.3%	6,704	2.9%	16.00
<b>Division 1 Total</b>	<b>66,698</b>	<b>3.9%</b>	<b>69,273</b>	<b>30.2%</b>	<b>18.01</b>
Western North	34,285	7.1%	36,734	16.0%	15.71
Central	18,978	4.6%	19,844	8.6%	15.15
Eastern	10,205	5.4%	10,753	4.7%	15.09
<b>Division 2 Total</b>	<b>63,468</b>	<b>6.1%</b>	<b>67,332</b>	<b>29.3%</b>	<b>15.44</b>
Western South II	22,686	7.2%	24,327	10.6%	16.56
Uva	4,790	6.9%	5,122	2.2%	13.82
Sabaragamuwa	7,128	6.8%	7,616	3.3%	14.08
<b>Division 3 Total</b>	<b>34,604</b>	<b>7.1%</b>	<b>37,065</b>	<b>16.1%</b>	<b>15.57</b>
Western South I	12,726	6.4%	13,542	5.9%	18.40
Southern	15,771	6.9%	16,866	7.3%	14.98
<b>Division 4 Total</b>	<b>28,497</b>	<b>6.7%</b>	<b>30,409</b>	<b>13.2%</b>	<b>16.33</b>
<b>Bulk Sup. to LECO</b>	<b>25,182</b>	<b>1.2%</b>	<b>25,478</b>	<b>11.1%</b>	<b>15.53</b>
<b>TOTAL</b>	<b>218,450</b>	<b>5.1%</b>	<b>229,557</b>	<b>100.0%</b>	<b>16.29</b>

**REVENUE FROM ELECTRICITY SALES BY TARIFF IN M.Rs**

Tariff	CEB 2017	Percentage Change 2017/18	CEB 2018	Percentage of Total 2018	Avg.Price Rs/kWh 2018
<b>Domestic</b>	<b>59,089</b>	<b>4.9%</b>	<b>61,975</b>	<b>27.0%</b>	<b>13.60</b>
<b>Religious</b>	<b>566</b>	<b>6.5%</b>	<b>603</b>	<b>0.3%</b>	<b>7.28</b>
<b>General Purpose Total</b>	<b>65,990</b>	<b>5.9%</b>	<b>69,902</b>	<b>30.5%</b>	<b>23.78</b>
GP 1 Small	36,321	6.1%	38,541	16.8%	22.80
GP 2 Medium	21,826	7.1%	23,379	10.2%	26.23
GP 3 Large	7,842	1.8%	7,981	3.5%	22.31
<b>Hotel Total</b>	<b>4,826</b>	<b>5.1%</b>	<b>5,074</b>	<b>2.2%</b>	<b>17.62</b>
H 1 Small	61	-40.2%	36	0.0%	20.81
H 2 Medium	3,118	4.4%	3,256	1.4%	18.42
H 3 Large	1,647	8.1%	1,782	0.8%	16.27
<b>Industrial Total</b>	<b>59,694</b>	<b>5.8%</b>	<b>63,161</b>	<b>27.5%</b>	<b>14.72</b>
IP 1 Small	4,206	3.9%	4,369	1.9%	13.34
IP 2 Medium	31,467	3.1%	32,430	14.1%	15.87
IP 3 Large	24,021	9.7%	26,362	11.5%	13.74
<b>Government Total</b>	<b>3,103</b>	<b>8.4%</b>	<b>3,364</b>	<b>1.5%</b>	<b>18.23</b>
GV 1 Small	64	170.3%	174	0.1%	17.70
GV 2 Medium	2,980	4.5%	3,114	1.4%	18.30
GV 3 Large	59	30.3%	77	0.0%	16.90
<b>Bulk Sup. to LECO</b>					
L2 11kV & above	25,182	1.2%	25,478	11.1%	15.53
<b>Street Lighting</b>	-	-	-	-	-
<b>TOTAL</b>	<b>218,450</b>	<b>5.1%</b>	<b>229,557</b>	<b>100.0%</b>	<b>16.29</b>

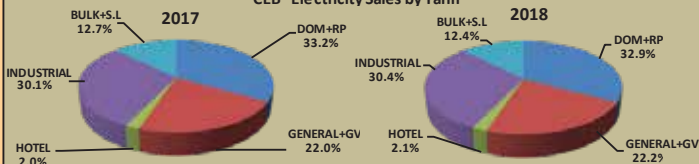
## LECO ELECTRICITY SALES

### SALES BY TARIFF IN GWh

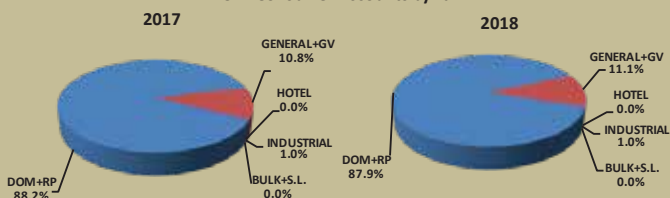
### CONSUMER ACCOUNTS BY TARIFF

	2017	2018	%Change	2017	2018	%Change
<b>Domestic</b>	<b>620.0</b>	<b>631.6</b>	<b>1.9%</b>	<b>467,939</b>	<b>476,484</b>	<b>1.8%</b>
<b>Religious</b>	<b>10.6</b>	<b>10.9</b>	<b>3.5%</b>	<b>2,604</b>	<b>2,617</b>	<b>0.5%</b>
<b>General Purpose Total</b>	<b>507.5</b>	<b>534.4</b>	<b>5.3%</b>	<b>87,363</b>	<b>91,277</b>	<b>4.5%</b>
GP 1 Small	307.5	322.9	5.0%	86,167	90,002	4.5%
GP 2 Medium	196.2	207.5	5.8%	1,193	1,272	6.6%
GP 3 Large	3.8	4.0	4.4%	3	3	0.0%
<b>Hotel Total</b>	<b>60.7</b>	<b>66.4</b>	<b>9.4%</b>	<b>65</b>	<b>68</b>	<b>4.6%</b>
H 1 Small	-	-	-	-	-	-
H 2 Medium	53.3	56.3	5.7%	62	65	4.8%
H 3 Large	7.4	10.1	36.4%	3	3	0.0%
<b>Industrial Total</b>	<b>280.4</b>	<b>286.4</b>	<b>2.1%</b>	<b>3,409</b>	<b>3,364</b>	<b>-1.3%</b>
IP 1 Small	28.1	29.3	4.2%	2,807	2,765	-1.5%
IP 2 Medium	213.2	215.3	1.0%	589	586	-0.5%
IP 3 Large	39.1	41.7	6.9%	13	13	0.0%
<b>Government Total</b>	<b>19.7</b>	<b>19.7</b>	<b>0.0%</b>	<b>429</b>	<b>424</b>	<b>-1.2%</b>
GV 1 Small	1.7	1.8	3.5%	387	383	-1.0%
GV 2 Medium	18.0	17.9	-0.4%	42	41	-2.4%
GV 3 Large	-	-	-	-	-	-
<b>Temporary Connections</b>	<b>0.6</b>	<b>0.4</b>	<b>-26.6%</b>	<b>121</b>	<b>101</b>	<b>-16.5%</b>
<b>Street Lighting</b>	<b>22.0</b>	<b>22.4</b>	<b>1.8%</b>	<b>3,544</b>	<b>3,541</b>	<b>-0.1%</b>
<b>TOTAL</b>	<b>1,521.5</b>	<b>1,572.3</b>	<b>3.3%</b>	<b>565,474</b>	<b>577,876</b>	<b>2.2%</b>

CEB Electricity Sales by Tariff



CEB Consumer Accounts by Tariff





## GENERAL STATISTICS

	Units	2017	2018(a)	%Change
Population (Mid Year)	Thous.	21,444	21,670	1.1%
GNI at Current Prices	M.Rs	13,060,619	14,047,307	7.6%
GNI at Constant (2010) Prices	M.Rs	9,092,065	9,371,380	3.1%
GDP at Current Prices	M.Rs	13,418,287	14,449,931	7.7%
GDP at Constant (2010) Prices	M.Rs	9,344,839	9,644,728	3.2%
Per Capita GDP at Market Prices	Rs	625,736	666,817	6.6%
Per Capita GDP at Market Prices	US \$	4,104	4,102	-0.05%
CCPI Index (2006/2007 = 100)		119	124	4.3%
GDP Deflator (2010 = 100)		144	150	4.3%
Area of Sri Lanka	sqkm	65,610	65,610	0.0%
Average Exchange Rate	Rs/US \$	152.46	162.54	6.6%

(a):Provisional

## FUEL RATE AND THERMAL EFFICIENCY

	Fuel Rate in Litres/kWh		Avg.Thermal Efficiency	
	2017	2018	2017	2018
KPS Small GT (LAD)	0.47	0.47	19.9%	20.2%
KPS GT 7 (LAD)	0.35	0.36	26.8%	26.3%
SPPS A (LAD)	0.34	0.33	27.9%	28.5%
SPPS A (HF)	0.23	0.23	39.8%	40.2%
SPPS B (LAD)	0.26	0.26	36.0%	35.9%
SPPS B (HF)	0.22	0.22	42.7%	42.7%
KPS CC (LAD)	0.25	0.23	38.4%	41.4%
KPS CC (Naptha)	0.29	0.26	42.3%	46.4%
Uthuru Janani (LAD)				
Uthuru Janani (FO)	0.22	0.22	39.7%	41.2%
Barge (LAD)				
Barge (FO)	0.22	0.22	40.9%	41.0%
LVPS Puttalam (LAD)	0.48	0.39	20.3%	24.8%
LVPS Puttalam Coal (kg/kWh)	0.41	0.38	33.6%	36.1%

Note:- CC: Combined Cycle  
 GT: Gas Turbines  
 KPS: Kelanitissa Power Station  
 LVPS: Lakvijaya Power Station  
 SPPS: Sapugaskanda Power Station  
 FO: Furnace Oil  
 HF: Heavy Fuel  
 LAD: Lanka Auto Diesel

## NO. OF AREA OFFICES, CONSUMER SERVICE CENTRES & POS CENTRES IN CEB

Province / Division	2017			2018		
	Area	CSC	POS	Area	CSC	POS
Colombo City	4	8	4	4	8	4
North Western	7	25	5	7	25	5
North Central	3	11	2	3	11	2
Nothorn	3	13	2	3	13	3
<b>Division 1 Total</b>	<b>17</b>	<b>57</b>	<b>13</b>	<b>17</b>	<b>57</b>	<b>14</b>
Western North	6	20	7	6	20	7
Central	12	39	9	12	39	9
Eastern	4	20	3	4	21	3
<b>Division 2 Total</b>	<b>22</b>	<b>79</b>	<b>19</b>	<b>22</b>	<b>80</b>	<b>19</b>
Western South II	5	13	6	5	13	6
Uva	3	12	3	3	14	3
Sabaragamuwa	5	18	3	5	20	3
<b>Division 3 Total</b>	<b>13</b>	<b>43</b>	<b>12</b>	<b>13</b>	<b>47</b>	<b>12</b>
Western South I	3	10	4	3	9	4
Southern	7	28	13	7	28	13
<b>Division 4 Total</b>	<b>10</b>	<b>38</b>	<b>17</b>	<b>10</b>	<b>37</b>	<b>17</b>
<b>TOTAL</b>	<b>62</b>	<b>217</b>	<b>65*</b>	<b>62</b>	<b>221</b>	<b>66*</b>

\* Including 4 POS centers managed by Head Office.  
 In addition to CSCs, there are 4 E-City Centres available in Colombo City

## LENGTH OF TRANSMISSION AND DISTRIBUTION LINES IN km

	2017	2018	% Change
220 kV Route Length OH	601	601	0.0%
132 kV Route Length OH	2,261	2,286	1.1%
132 kV Route Length UG	52	52	0.0%
33 kV Route Length OH	31,316	31,659	1.1%
33 kV Route Length UG	41	44	6.2%
11 kV Route Length OH	1,423	1,394	-2.0%
11 kV Route Length UG	849	856	0.9%
Low Voltage Circuit Length OH & UG Total	142,807	147,875	3.5%
Single Phase OH & UG	32,481	32,867	1.2%
Two Phase OH & UG	3,338	3,462	3.7%
Three Phase OH & UG	106,988	111,546	4.3%

## NUMBER AND CAPACITY OF SUBSTATIONS

	Units	2017	2018	% Change
Grid SS (132/33 kV)	Nos.	55	56	1.8%
Capacity	MVA	4,380	4,474	2.2%
Grid SS (220/132/33kV)	Nos.	4	4	0.0%
Capacity	MVA	1600/380	1600/380	0.0%
Grid SS (220/132kV)	Nos.	4	4	0.0%
Capacity	MVA	1,405	1,510	7.5%
Grid SS (220/33kV)	No.	1	1	0.0%
Capacity	MVA	75	75	0.0%
Grid SS (132/11 kV)	Nos.	5	5	0.0%
Capacity	MVA	369	369	0.0%
Primary SS (33kV/11kV)	Nos.	132	129	-2.3%
Capacity	MVA	1,596	1,587	-0.5%
Distribution SS (33kV or 11kV/LV)	Nos.	30,762	31,816	3.4%
Capacity	MVA	6,981	7,180	2.9%
Total number of substations	Nos.	30,963	32,015	3.4%
Total capacity	MVA	16,785	17,175	2.3%

## DISTRIBUTION LINE LENGTH BY PROVINCE & DIVISION

Province / Division	2017			2018		
	33 kV Route km	11 kV Route km	LV Circuit km	33 kV Route km	11 kV Route km	LV Circuit km
Colombo City	21	695	1,073	21	700	1,134
North Western	4,462	293	25,116	4,537	305	25,202
North Central	3,873	77	10,688	3,890	78	11,265
Nothorn	2,227	241	8,587	2,291	244	8,908
<b>Division 1 Total</b>	<b>10,584</b>	<b>1,307</b>	<b>45,465</b>	<b>10,738</b>	<b>1,327</b>	<b>46,509</b>
Western North	1,905	107	11,109	1,942	108	11,694
Central	4,490	133	18,448	4,551	134	18,793
Eastern	2,790	386	10,548	2,911	327	10,817
<b>Division 2 Total</b>	<b>9,185</b>	<b>627</b>	<b>40,105</b>	<b>9,404</b>	<b>568</b>	<b>41,303</b>
Western South II	1,241	18	6,697	1,245	18	6,761
Uva	2,994	0	11,645	3,019	0	11,819
Sabaragamuwa	2,870	27	13,274	2,898	27	13,494
<b>Division 3 Total</b>	<b>7,106</b>	<b>45</b>	<b>31,615</b>	<b>7,162</b>	<b>45</b>	<b>32,074</b>
Western South I	746	60	4,446	757	61	4,485
Southern	3,737	233	21,177	3,642	248	23,503
<b>Division 4 Total</b>	<b>4,483</b>	<b>293</b>	<b>25,623</b>	<b>4,398</b>	<b>309</b>	<b>27,988</b>
<b>Total</b>	<b>31,357</b>	<b>2,272</b>	<b>142,807</b>	<b>31,703</b>	<b>2,250</b>	<b>147,875</b>

## CEB TARIFF

<b>EFFECTIVE FROM</b>	<b>•DOMESTIC</b> 16-09-2014	<b>•ToU for DOMESTIC</b> 02-05-2017	<b>•NON DOMESTIC CATEGORIES</b> 15-11-2014
(for each 30 - day billing period)			

				Unit Charge			Fixed Charge	
<b>DOMESTIC</b>								
<b>Consumption 0 - 60 kWh per month</b>								
Block 1	-	0 - 30	units	@	Rs 2.50	per unit	+	Rs 30.00
Block 2	-	31 - 60	units	@	Rs 4.85	per unit	+	Rs 60.00
<b>Consumption above 60 kWh per month</b>								
Block 1	-	0 - 60	units	@	Rs 7.85	per unit	+	N/A
Block 2	-	61 - 90	units	@	Rs 10.00	per unit	+	Rs 90.00
Block 3	-	91 - 120	units	@	Rs 27.75	per unit	+	Rs 480.00
Block 4	-	121 - 180	units	@	Rs 32.00	per unit	+	Rs 480.00
Block 5	-	Above 180	units	@	Rs 45.00	per unit	+	Rs 540.00

### Time of Use Electricity Tariff for Domestic Consumers

Time of Use (ToU)	Energy Charge (Rs)	Fixed Charge (Rs)
Day (05.30 - 18.30 hrs)	25.00	540.00
Peak (18.30 - 22.30 hrs)	54.00	
Off Peak (22.30 - 05.30 hrs)	13.00	

### RELIGIOUS & CHARITABLE INSTITUTIONS

Block 1	-	0 - 30	units	@	Rs 1.90	per unit	+	Rs 30.00
Block 2	-	31 - 90	units	@	Rs 2.80	per unit	+	Rs 60.00
Block 3	-	91 - 120	units	@	Rs 6.75	per unit	+	Rs 180.00
Block 4	-	121 - 180	units	@	Rs 7.50	per unit	+	Rs 180.00
Block 5	-	Above 180	units	@	Rs 9.40	per unit	+	Rs 240.00

OTHER CUSTOMER CATEGORIES		General Purpose		Industrial		Hotel	Government
		GP 1 -1	GP 1-2	IP 1 - 1	IP 1 - 2		
Rate 1 Supply at 400/230V Contract demand less than or equal 42 kVA		For ≤ 300 kWh/month	For > 300 kWh/month	For ≤ 300 kWh/month	For > 300 kWh/month		
	Unit Charge (Rs/kWh)	18.30	22.85	10.80	12.20	21.50	14.65
	Fixed Charge (Rs/Month)	240.00	240.00	600.00	600.00	600.00	600.00
Rate 2 Supply at 400/230V Contract demand above 42 kVA	Unit Charge (Rs/kWh)						
	Day (05.30 - 18.30 hrs)	21.80		11.00		14.65	14.55
	Peak (18.30 - 22.30 hrs)	26.60		20.50		23.50	
	Off Peak (22.30 - 05.30 hrs)	15.40		6.85		9.80	
	Demand Charge (Rs/kVA)	1100.00		1100.00		1100.00	1100.00
Fixed Charge (Rs/Month)	3000.00		3000.00		3000.00	3000.00	
Rate 3 Supply at 11 kV & above	Unit Charge (Rs/kWh)						
	Day (05.30 - 18.30 hrs)	20.70		10.25		13.70	14.35
	Peak (18.30 - 22.30 hrs)	25.50		23.50		22.50	
	Off Peak (22.30 - 05.30 hrs)	14.35		5.90		8.80	
	Demand Charge (Rs/kVA)	1000.00		1000.00		1000.00	1000.00
Fixed Charge (Rs/Month)	3000.00		3000.00		3000.00	3000.00	
Street Lighting				@ Rs 17.00 per unit			

### Electric Vehicle Charging Rates at CEB Charging Stations

Time of Use (ToU)	DC Fast Charging	Level 2 AC Charging
Day (05.30 - 18.30 hrs)	50.00	30.00
Peak (18.30 - 22.30 hrs)	70.00	55.00
Off Peak (22.30 - 05.30 hrs)	30.00	20.00



# The Map of Sri Lanka Transmission System in Year 2018



- 220kV Line
- 132kV Underground Cable
- 132kV Line
- 220/132 kV Grid Substation
- 132kV Grid Substation
- Hydro Power Station
- Thermal Power Station

