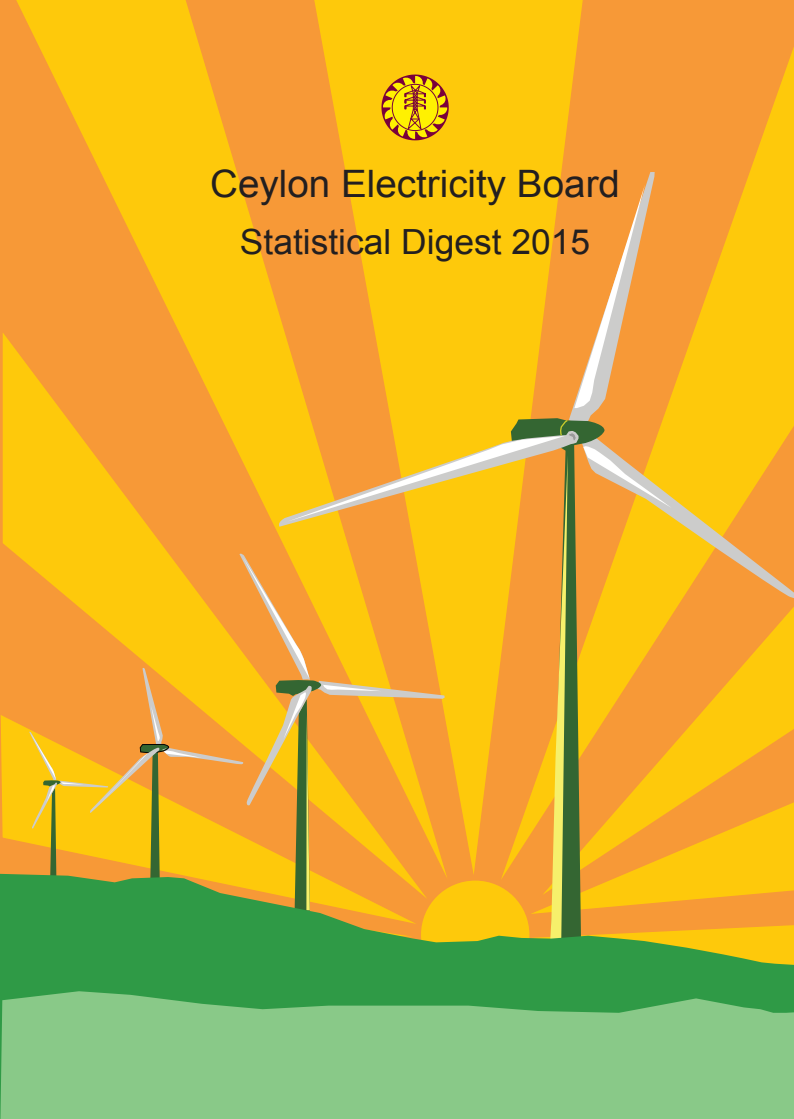
Ceylon Electricity Board

Statistical Digest 2015



CONTENTS

	Page
Summary Statistics – 2015	02 – 03
Generation Statistics	04 – 05
Data on Fuel used for Thermal Generations	06 – 07
Fuel Rate & Thermal Efficiency	8
Rural Electrification Schemes	9
Electricity Sales by Province	10
Electricity Sales by Tariff	11
No. of Consumer Accounts by Province	12
No. of Consumer Accounts by Tariff	13
Revenue from Electricity Sales by Province	14
Revenue from Electricity Sales by Tariff	15
C.E.B. Electricity Sales, Revenue & Accounts by Tariff	16
LECO Electricity Sales	17
General Statistics	18
Length of Transmission & Distribution Lines in km	19
Distribution Line Length by Province & Division	20
Number and Capacity of Substations	21
No. of Areas, Consumer Service Centers & POS Centers in C.E.B.	22
Number of Net Metering Consumers and Capacity by Province	23
C.E.B. Tariff	24 – 25
Transmission Network 2015	26

SUMMARY STATISTICS - 2015

	Units	2014	2015	Annual Percentage Change
Number of Power Stations (with PPP)	No.	199	210	5.53%
Installed Capacity (with PPP)	MW	3,932	3,847	-2.17%
Maximum Demand (with PPP)	MW	2,152	2,283	6.12%
Net Generation (with PPP)	GWh	12,357	13,090	5.93%
Trans. & Distri. Losses (On Net Generation)	%	10.47	9.96	-0.51%
Gross Units Sold	GWh	11,063	11,786	6.54%
Average Selling Price Per Unit	Rs./ kWh	18.50	15.95	-13.77%
Average Cost per Unit (@ selling point)	Rs./ kWh	20.00	15.06	-24.70%
Revenue from Billed Sales (with FAC)	M.Rs.	204,672	188,036	-8.13%
Fuel Adjustment Charge	M.Rs.	29,881	10	-99.97%
Consumer Accounts	No.	5,417,532	5,648,132	4.26%
Net Metering Consumers - Tot. Nos.	No.	1,688	3,025	79.21%
- Capacity	kW	10,035	21,548	114.72%
No. of Area Offices	No.	62	62	0.00%
No. CSCs	No.	210	211	0.48%
No. of POS Centers Operated by CEB	No.	53	64	20.75%
% of Household Electrified	%	98.4 (a)	98.5 (a)	0.1%
System Load Factor (Calculated on Net Generation)	%	65.56	65.44	-0.12%
Total Employed (as @ year end)	No.	16,123	15,984	-0.86%

SUMMARY STATISTICS - 2015 Contd...

	Units	2014	2015	Annual Percentage Change
Capital Investments	M.Rs.	59,675	42,120	
Net Fixed Assets in Operation (average)	M.Rs.	495,957	616,154	
Rate of Return on fixed assets	%	-1.67	2.03	
No. of Consumers per Employee	No./Employee	336	353	5.16%
Av. Elect: Consumption per Capita	kWh/Person	533	562	5.55%
No. of Consumers per length of dist.line	No./km	34.1	34.1	
Electricity Elasticity (w.r.t. GDP)		0.6	1.4	
Total Energy Consumption in Sri Lanka	KTOE	9,136 (b)		
Per Capita Energy Consumption in Sri Lanka	kgOE/Person	440 (b)		
Share of Elect. to Total Energy Supply	%	10.3 (b)		

CSC - Consumer Service Centres

POS - Point of Sales

P.P.P. - Private Power Purchase.

(a) - Estimated. (b) - Provisional

Note - (1) All financial data are provisional.

(2) Revenue in 2014 includes FAC. (Domestic - up to 15/09/2014

Non Domestic Categories - up to 14/11/2014)

(3) Local standard time was adjusted to +5 1/2 GMT in April, 2006.

(4) Tariff structure changed effective from

- Domestic - 16/09/2014
- Non Domestic Categories - 15/11/2014
- TOU for Domestic Categories - 15/09/2015

GENERATION STATISTICS

Owenership & Source of Power Station	No.of Power Stations			Installed Capacity in MW.		
	2014	2015	% Change	2014	2015	% Change
C.E.B. - Total	**25**	**26**	**4.00%**	**2,824**	**2,884**	**2.12%**
- Hydro	17	17	0.00%	1,377	1,377	0.00%
- Thermal-Oil	6	7	16.67%	544	604	11.03%
- Thermal-Coal	1	1	0.00%	900	900	0.00%
- Wind (NCRE)	1	1	0.00%	3	3	0.00%
P.P.P. - Total	**174**	**184**	**5.75%**	**1,108**	**963**	**-13.13%**
- Thermal	6	4	-33.33%	671	511	-23.85%
- NCRE Mini Hydro	144	154	6.94%	288	307	6.60%
- NCRE - Wind	15	15	0.00%	128	124	-3.58%
- NCRE - Other	9	11	22.22%	21	21	0.47%
Total	**199**	**210**	**5.53%**	**3,932**	**3,847**	**-2.17%**

NCRE - Non Conventional Renewable Energy (Solar, Dendro, Biomass, Wind, Mini Hydro)

Ownership & Source	Generation - GWh			Percentage of Total	
	2014	2015	% increase	2014	2015
C.E.B. - Total	**8,532**	**10,399**	**21.9%**	**69%**	**79%**
- Hydro	3,632	4,904	35.0%	29%	37%
- Thermal-Oil	1,696	1,050	-38.0%	14%	8%
- Thermal-Coal	3,202	4,443	38.8%	26%	34%
- Wind (NCRE)	2.1	1.1	-50.2%	0%	0%
P.P.P. - Total	**3,825**	**2,691**	**-29.6%**	**31%**	**21%**
- Thermal	2,610	1,225	-53.1%	21%	9%
- NCRE Mini Hydro	902	1,065	18.0%	7%	8%
- NCRE - Wind	270	342	26.6%	2%	3%
- NCRE - Other	43	59	38.1%	0%	0%
Total Generation *	**12,357**	**13,090**	**5.9%**	**100%**	**100%**
Av. Daily Generation GWh/day	**33.86**	**35.86**	**5.9%**		

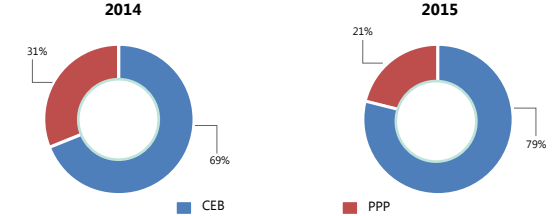
*Refers Net Generation

GENERATION STATISTICS Contd...

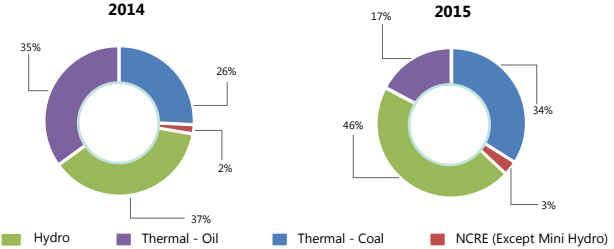
Generation by Source	Generation - GWh.			Installed Capacity in MW.		
	2014	2015	% increase	2014	2015	% Change
Major Hydro	3,632	4,904	35.0%	1,377	1,377	0.00%
NCRE Mini Hydro	902	1,065	18.0%	288	307	6.60%
Total Hydro	4,534	5,969	31.6%	1,665	1,684	1.14%
Thermal-Oil	4,305	2,275	-47.1%	1,215	1,115	-8.23%
Thermal-Coal	3,202	4,443	38.8%	900	900	0.00%
NCRE (Except Mini Hydro)	315	402	27.6%	153	148	-2.94%
Total Generation	**12,357**	**13,090**	**5.9%**	**3,932**	**3,847**	**-2.17%**

Day Maximum Demand in MW.	1,834.3	1,920.4	4.69%	* - At Monday 19th May, 2014
Night Maximum Demand in MW.	2,151.7*	2283.4**	-0.60%	** - At Tuesday 22nd September, 2015
Hydro Reservoir Capacity in GWh	1,259	1,259		

Generation by Ownership - 2014 & 2015



Generation by Source - 2014 & 2015

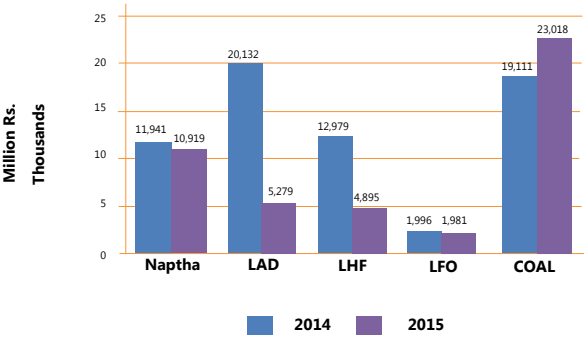


DATA ON FUEL USED FOR THERMAL GENERATOIN

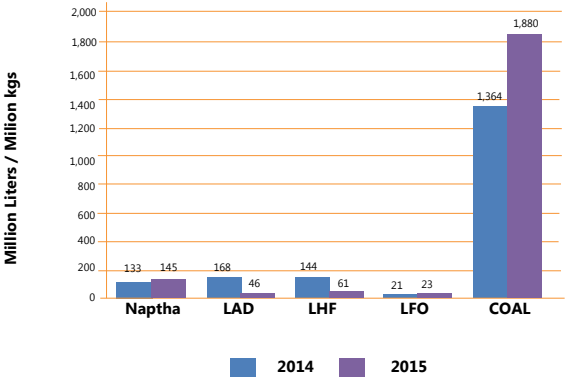
C.E.B. Name of Power Station	Fuel Cost in M. Rs					Fuel Used in M. Litres	
	Type of Fuel	2014 M. Rs.	2014 Rs./kWh	2015 M. Rs.	2015 Rs./kWh	2014	2015
K.P.S.(small GT)	L.A.D.	2,024	60.18	74	69.73	17	0.6
K.P.S.(GT 7)	L.A.D.	8,594	41.27	1,041	43.34	71	9
K.P.S.(C.Cy.)	L.A.D.	8,007	26.59	3,225	21.44	68	27
	Naphtha	11,941		10,919		133	145
SP.P.S.(Diesel) - A	L.A.D.	237	21.54	357	19.88	2	4
	L.H.F.	4,871		2,181		54	27
SP.P.S.(Diesel) - B	L.A.D.	114	19.61	259	17.83	1	3
	L.H.F.	8,108		2,714		90	34
Uthuru Janani	L.A.D.	25	-	27	-	0.2	0.2
	L.F.O.	1,996	20.86	1,665	18.93	21	19
Barge	L.A.D.	-	-	2	-	-	0.02
	L.F.O.	-	-	316	17.43	-	4
Puttalam-Coal	L.A.D.	1,131	6.32	295	5.23	9	3
	Coal	19,111		23,018		1,364(M. kg)	1,880(M. kg)
TOTAL - Fuel Used	**M. Liters**					**466**	**274**
- Coal Used	**M. Kg**					**1,364**	**1,880**
TOTAL - Fuel Cost	**M. Rs.**	**66,160**		**46,091**			
Average Fuel Cost	**Rs./kWh**		**13.38**		**8.32**		

DATA ON FUEL USED FOR THERMAL GENERATOIN Contd...

Fuel Cost for Thermal Generation C.E.B



Fuel Used For Thermal Generation C.E.B.



FUEL RATE AND THERMAL EFFICIENCY

	Fuel Rate in Litres/kWh		Av: Thermal Efficiency	
	2014	2015	2014	2015
K.P.S.(smallGT - L.A.D)	0.50	0.58	19.0%	16.4%
K.P.S.(new GT - L.A.D)	0.34	0.36	27.6%	26.3%
SP.P.S. - A (L.A.D.)	0.34	0.31	27.3%	30.0%
SP.P.S. - A (L.H.F.)	0.23	0.23	40.0%	40.5%
SP.P.S.- B (L.A.D.)	0.27	0.26	34.7%	36.9%
SP.P.S.- B (L.H.F.)	0.22	0.22	43.2%	43.2%
K.P.S. - C.Cy. (L.A.D.)	0.24	0.22	39.7%	42.3%
K.P.S. - C.Cy. (Naptha)	0.29	0.27	43.0%	45.8%
Uthuru Janani (L.A.D)				
Uthuru Janani (L.F.O)	0.22	0.22	39.5%	40.4%
Barge (L.A.D)				
Barge (L.F.O)		0.22		40.8%
Puttalam - LAD *	0.52	0.93	18.5%	10.4%
Puttalam - Coal *	0.43	0.42	32.0%	32.5%

Note:- K.P.S. - Kelanitissa Power Station.
SP.P.S. - Sapugaskande Power Station.
G.T. - Gas Turbines.
L.F.O - Lanka Furnace Oil
L.A.D. - Lanka Auto Diesel
L.H.F. - Lanka Heavy Fuel.
C.Cy. - Combined Cycle.

* Refers Net Generation

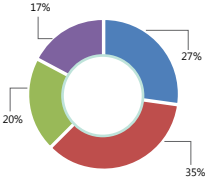
RURAL ELECTRIFICATION SCHEMES

YEAR	No. of Schemes
2009	487
2010	526
2011	561
2012	694
2013	799
2014	658
2015	378

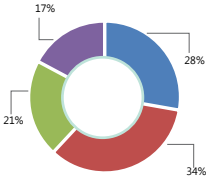
RURAL ELECTRIFICATION SCHEMES BY PROVINCE

Province / Division	2014	2015
Colombo City	0	0
North Western	137	55
North Central	57	36
Nothern	142	80
Division - 1 Total	336	171
Western-North	0	0
Central	52	35
Eastern	94	89
Division - 2 Total	146	124
Western-South II	25	7
Uva	106	71
Sabaragamuwa	44	4
Division - 3 Total	175	82
Western-South I	0	0
Southern	1	1
Division - 4 Total	1	1
Total	658	378

% Share of Consumer Accounts by Division



2014



2015

- **Distribution Division 1**
- **Distribution Division 2**
- **Distribution Division 3**
- **Distribution Division 4**

ELECTRICITY SALES BY PROVINCE IN GWh(Million kWh)

Province	C.E.B.	Percentage Change	C.E.B.	Percentage of Total	Monthly Av.Sales kWh/Cons.
	2014	2014/15	2015	2015	2015
Colombo City	1,289	3.1%	1,329	11.3%	641
North Western	1,094	6.5%	1,165	9.9%	129
North Central	404	8.4%	438	3.7%	93
Northern	260	15.9%	301	2.6%	93
Division - 1 Total	**3,047**	**6.1%**	**3,233**	**27.4%**	**170**
Western-North	1,830	4.4%	1,910	16.2%	271
Central	1,043	8.6%	1,133	9.6%	104
Eastern	504	10.4%	557	4.7%	105
Division - 2 Total	**3,377**	**6.6%**	**3,600**	**30.5%**	**154**
Western-South II	1,123	7.1%	1,203	10.2%	260
Uva	278	8.4%	301	2.6%	73
Sabaragamuwa	427	7.1%	457	3.9%	89
Division - 3 Total	**1,828**	**7.3%**	**1,962**	**16.6%**	**141**
Western-South I	580	6.4%	617	5.2%	197
Southern	878	5.9%	930	7.9%	110
Division - 4 Total	**1,458**	**6.1%**	**1,546**	**13.1%**	**134**
Bulk Sup. To LECO	**1,352**	**6.9%**	**1,446**	**12.3%**	**-**
TOTAL	**11,063**	**6.5%**	**11,786**	**100.0%**	**174**

ELECTRICITY SALES BY TARIFF IN GWh (Million kWh)

Tariff	C.E.B.	Percentage Change	C.E.B.	Percentage of Total	Monthly Av.Sales kWh/ Cons.
	2014	2014/15	2015	2015	2015
Domestic	**3,521**	**10.1%**	**3,876**	**32.9%**	**65**
Religious	**63**	**6.2%**	**67**	**0.6%**	**161**
General Purpose Total	**2,194**	**5.9%**	**2,324**	**19.7%**	**329**
GP 1 - Small	1,200	9.1%	1,309	11.1%	187
GP 2 - Medium	726	2.8%	746	6.3%	16,131
GP 3 - Large	268	0.2%	268	2.3%	184,797
Hotel Total	**192**	**10.3%**	**212**	**1.8%**	**36,072**
H 1 - Small	2	27.5%	3	0.0%	1,126
H 2 - Medium	125	15.0%	144	1.2%	43,320
H 3 - Large	64	0.8%	65	0.6%	492,089
Industrial Total	**3,498**	**3.1%**	**3,608**	**30.6%**	**5,304**
IP 1 -Small	275	5.7%	291	2.5%	467
IP 2 - Medium	1,726	5.0%	1,812	15.4%	33,181
IP 3 - Large	1,497	0.5%	1,504	12.8%	567,161
Government Total	**134**	**8.6%**	**145**	**1.2%**	**6,755**
GV 1 -Small	0.8	264.2%	3	0.0%	175
GV 2 - Medium	131	7.1%	140	1.2%	33,550
GV 3 - Large	2	2.4%	2	0.0%	177,221
Bulk Supply to LECO					
L2 -11kV & above	**1,352**	**6.9%**	**1,446**	**12.3%**	**-**
Street Lighting	**108**	**0.0%**	**108**	**0.9%**	**-**
TOTAL	**11,063**	**6.5%**	**11,786**	**100.0%**	**174**

NO. OF CONSUMER ACCOUNTS BY PROVINCE

Province	C.E.B.	Increase in Accounts	Percentage Change	C.E.B.	Percentage of Total
	2014	2015	2014/15	2015	2015
Colombo City	169,596	3,047	1.8%	172,643	3.1%
North Western	720,471	32,654	4.5%	753,125	13.3%
North Central	372,667	18,107	4.9%	390,774	6.9%
Northern	241,719	28,544	11.8%	270,263	4.8%
Division - 1 Total	**1,504,453**	**82,352**	**5.5%**	**1,586,805**	**28.1%**
Western-North	571,227	15,934	2.8%	587,161	10.4%
Central	883,595	27,822	3.1%	911,417	16.1%
Eastern	418,014	24,433	5.8%	442,447	7.8%
Division - 2 Total	**1,872,836**	**68,189**	**3.6%**	**1,941,025**	**34.4%**
Western-South II	374,527	11,734	3.1%	386,261	6.8%
Uva	325,787	16,226	5.0%	342,013	6.1%
Sabaragamuwa	405,847	22,802	5.6%	428,649	7.6%
Division - 3 Total	**1,106,161**	**50,762**	**4.6%**	**1,156,923**	**20.5%**
Western-South I	254,764	6,496	2.5%	261,260	4.6%
Southern	679,316	22,801	3.4%	702,117	12.4%
Division - 4 Total	**934,080**	**29,297**	**3.1%**	**963,377**	**17.1%**
Bulk Sup. To LECO	**1**	**0**	**0.0%**	**1**	**-**
TOTAL	**5,417,532**	**230,600**	**4.3%**	**5,648,132**	**100.0%**

NO. OF CONSUMER ACCOUNTS BY TARIFF

Tariff	C.E.B.	Increase in Accounts	Percentage Change	C.E.B.	Percentage of Total
	2014	2015	2014/15	2015	2015
Domestic	**4,768,229**	**198,166**	**4.2%**	**4,966,395**	**87.9%**
Religious	**33,175**	**1,535**	**4.6%**	**34,710**	**0.6%**
General Purpose Total	**559,401**	**28,662**	**5.1%**	**588,063**	**10.4%**
GP 1 - Small	555,557	28,529	5.1%	584,086	10.3%
GP 2 - Medium	3,727	129	3.5%	3,856	0.1%
GP 3 - Large	117	4	3.4%	121	negli.%
Hotel Total	**462**	**27**	**5.8%**	**489**	**0.01%**
H 1 - Small	216	-15	-6.9%	201	negli.%
H 2 - Medium	237	40	16.9%	277	negli.%
H 3 - Large	9	2	22.2%	11	negli.%
Industrial Total	**54,577**	**2,104**	**3.9%**	**56,681**	**1.0%**
IP 1 - Small	50,029	1,879	3.8%	51,908	0.9%
IP 2 - Medium	4,344	208	4.8%	4,552	0.1%
IP 3 - Large	204	17	8.3%	221	negli.%
Government Total	**1,686**	**106**	**6.3%**	**1,792**	**0.03%**
GV 1 - Small	1,357	86	6.3%	1,443	0.03%
GV 2 - Medium	328	20	6.1%	348	0.01%
GV 3 - Large	1	0	0.0%	1	negli.%
Bulk Supply to LECO					
L2 -11kV & above	**1**	**0**	**-**	**1**	**negli.%**
Street Lighting	**1**	**0**	**-**	**1**	**negli.%**
TOTAL	**5,417,532**	**230,600**	**4.3%**	**5,648,132**	**100.0%**

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

negli. - negligible.

REVENUE FROM ELECTRICITY SALES BY PROVINCE IN M.Rs.

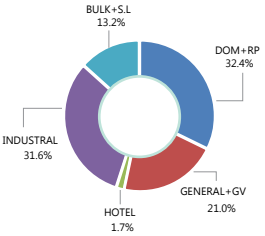
Province	C.E.B.	Percentage Change	C.E.B.	Percentage of Total	Ave.Price Rs./kWh
	2014	2014/15	2015	2015	2015
Colombo City	33,867	-11.4%	30,021	16.0%	22.59
North Western	17,911	-7.1%	16,639	8.8%	14.28
North Central	6,709	-5.5%	6,341	3.4%	14.48
Northern	4,831	-1.2%	4,771	2.5%	15.86
Division - 1 Total	**63,318**	**-8.8%**	**57,772**	**30.7%**	**17.87**
Western-North	32,178	-9.1%	29,252	15.6%	15.32
Central	17,566	-6.1%	16,496	8.8%	14.56
Eastern	8,489	-3.6%	8,187	4.4%	14.70
Division - 2 Total	**58,232**	**-7.4%**	**53,935**	**28.7%**	**14.98**
Western-South II	20,855	-6.1%	19,579	10.4%	16.27
Uva	4,305	-7.8%	3,970	2.1%	13.17
Sabaragamuwa	6,631	-6.7%	6,187	3.3%	13.54
Division - 3 Total	**31,791**	**-6.5%**	**29,736**	**15.8%**	**15.16**
Western-South I	11,975	-8.0%	11,021	5.9%	17.87
Southern	14,375	-7.6%	13,277	7.1%	14.28
Division - 4 Total	**26,350**	**-7.8%**	**24,298**	**12.9%**	**15.71**
Bulk Sup. To LECO	**24,981**	**-10.7%**	**22,295**	**11.9%**	**15.42**
TOTAL	**204,672**	**-8.1%**	**188,036**	**100.0%**	**15.95**

REVENUE FROM ELECTRICITY SALES BY TARIFF IN M.Rs.

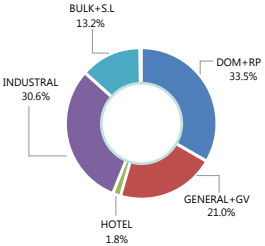
Tariff	C.E.B.	Percentage Change	C.E.B.	Percentage of Total	Ave.Price Rs./kWh
	2014	2014/15	2015	2015	2015
Domestic	**53,678**	**-7.0%**	**49,929**	**26.6%**	**12.88**
Religious	**441**	**8.5%**	**478**	**0.3%**	**7.13**
General Purpose Total	**61,190**	**-9.1%**	**55,617**	**29.6%**	**23.93**
GP 1 - Small	32,611	-8.2%	29,926	15.9%	22.86
GP 2 - Medium	21,491	-9.7%	19,417	10.3%	26.01
GP 3 - Large	7,087	-11.5%	6,275	3.3%	23.38
Hotel Total	**3,863**	**-2.8%**	**3,755**	**2.0%**	**17.74**
H 1 - Small	54	-9.6%	49	0.0%	18.10
H 2 - Medium	2,625	1.2%	2,656	1.4%	18.45
H 3 - Large	1,184	-11.4%	1,049	0.6%	16.15
Industrial Total	**58,015**	**-8.1%**	**53,301**	**28.3%**	**14.77**
IP 1 - Small	4,259	-9.2%	3,868	2.1%	13.29
IP 2 - Medium	30,594	-6.1%	28,730	15.3%	15.85
IP 3 - Large	23,162	-10.6%	20,703	11.0%	13.76
Government Total	**2,506**	**6.2%**	**2,661**	**1.4%**	**18.32**
GV 1 - Small	15	257.0%	54	0.0%	17.99
GV 2 - Medium	2,456	4.7%	2,571	1.4%	18.35
GV 3 - Large	35	2.0%	35	0.0%	16.65
Bulk Sup. to LECO					
L2 -11kV & above	**24,981**	**-10.7%**	**22,295**	**11.9%**	**15.42**
Street Lighting	**-**	**-**	**-**	**-**	**-**
TOTAL	**204,672**	**-8.1%**	**188,036**	**100.0%**	**15.95**

CEB ELECTRICITY SALES, REVENUE & ACCOUNTS BY TARIFF

C.E.B. ELECTRICITY SALES BY TARIFF

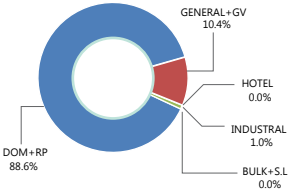


2014

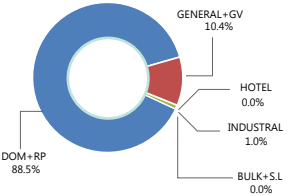


2015

C.E.B. CONSUMER ACCOUNTS BY TARIFF

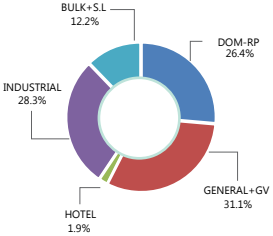


2014

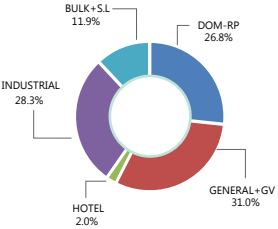


2015

C.E.B. ELECTRICITY REVENUE BY TARIFF



2014



2015

LECO ELECTRICITY SALES

	SALES BY TARIFF IN GWh.			CONSUMER ACCOUNTS BY TARIFF		
	2014	2015	% Change	2014	2015	% Change
Domestic	**519**	**562**	**8.1%**	**440,130**	**447,944**	**1.8%**
Religious	**9**	**9**	**4.2%**	**2,482**	**2,506**	**1.0%**
General Purpose Total	**400**	**432**	**8.2%**	**76,896**	**79,569**	**3.5%**
GP 1 - Small	237	260	9.8%	75,884	78,504	3.5%
GP 2 - Medium	162	171	5.7%	1,011	1,063	5.1%
GP 3 - Large	0.6	0.9	37.1%	1	2	100.0%
Hotel Total	**49**	**53**	**8.1%**	**52**	**58**	**11.5%**
H 1 - Small	-	-	-	-	-	-
H 2 - Medium	47	51	8.5%	51	57	11.8%
H 3 - Large	2	2	-0.3%	1	1	0.0%
Industrial Total	**252**	**265**	**5.1%**	**3,354**	**3,407**	**1.6%**
IP 1 - Small	25	27	10.8%	2,835	2,842	0.2%
IP 2 - Medium	195	201	3.4%	507	552	8.9%
IP 3 - Large	33	37	11.3%	12	13	8.3%
Government Total	**16**	**17**	**10.3%**	**310**	**400**	**29.0%**
GV 1 - Small	1.0	1.4	42.3%	274	361	31.8%
GV 2 - Medium	15	16	8.1%	36	39	8.3%
GV 3 - Large	-	-	-	-	-	-
Temporary Connections	**0.68**	**0.66**	**-2.7%**	**220**	**215**	**-2.3%**
Street Lighting	**27**	**25**	**-6.4%**	**3,546**	**3,505**	**-1.2%**
TOTAL	**1,272**	**1,365**	**7.2%**	**526,990**	**537,604**	**2.0%**

GENERAL STATISTICS

	Units	2014	2015*	% Change
Population (Mid Year)	Thous.	20,771	20,966	0.9%
GNP at Current Prices	Rs.M.	10,211,810	10,931,932	7.1%
GNP at Constant (2010) Prices	Rs.M.	8,039,492	8,426,330	4.8%
GDP at Current Prices	Rs.M.	10,448,479	11,183,220	7.0%
GDP at Constant (2010) Prices	Rs.M.	8,228,986	8,622,825	4.8%
Per Capita GDP at Market Prices	Rs.	503,032	533,398	6.0%
Per Capita GDP at Market Prices	US $	3,766	3,837	1.9%
CCPI Index (2006/2007 = 100)		179.8	181.5	0.9%
GDP Deflator (2010 = 100)	%	127.0	129.7	2.1%
Area of Sri Lanka	sq.km.	65,610	65,610	0.0%
Average Exchange Rate	Rs/US $	130.56	135.94	4.1%

* - Provisional

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES IN km

	2014	2015	% Change
220 kV Route Length O.H.	601	601	0.0%
132 kV Route Length O.H.	2,206	2,260	2.4%
132 kV Route Length U.G.	50	50	0.0%
33 kV Route Length O.H.	29,266	29,654	1.3%
33 kV Route Length U.G.	38	40	6.2%
11 kV Route Length O.H.	1,658	1,492	-10.0%
11 kV Route Length U.G.	775	789	1.9%
Low Voltage Circuit Length O.H.& U.G.-Total	127,204	133,565	5.0%
Single Phase O.H. & U.G.	33,815	33,201	-1.8%
Two Phase O.H. & U.G.	3,725	3,276	-12.1%
Three Phase O.H. & U.G.	89,663	97,088	8.3%

DISTRIBUTION LINE LENGTH BY PROVINCE & DIVISION

Province/Division	2014			2015		
	33 kV Route km	11 kV Route km	L.V. Circuit km	33 kV Route km	11 kV Route km	L.V. Circuit km
Colombo City	25	626	912	21	639	928
North Western	4,375	288	22,265	4,412	288	23,939
North Central	3,512	288	10,218	3,520	137	10,483
Nothern	1,935	229	5,950	2,059	236	7,232
Division - 1 Total	**9,846**	**1,431**	**39,345**	**10,012**	**1,300**	**42,581**
Western-North	1,721	126	9,608	1,753	107	9,588
Central	4,502	132	17,232	4,278	128	17,167
Eastern	2,434	398	9,107	2,635	388	9,777
Division - 2 Total	**8,656**	**656**	**35,947**	**8,665**	**623**	**36,532**
Western-South II	1,142	17	5,864	1,215	18	6,459
Uva	2,769	0	10,246	2,905	0	11,064
Sabaragamuwa	2,744	27	12,180	2,817	27	12,933
Division - 3 Total	**6,654**	**44**	**28,290**	**6,937**	**45**	**30,456**
Western-South I	733	59	3,530	737	60	3,602
Southern	3,414	243	20,092	3,344	254	20,394
Division - 4 Total	**4,146**	**302**	**23,621**	**4,080**	**314**	**23,996**
Total	**29,303**	**2,433**	**127,204**	**29,694**	**2,281**	**133,565**

NUMBER AND CAPACITY OF SUBSTATIONS

	Units	2014	2015*	% Change
Grid S.S. (132/33 kV)	No.	54	55	1.9%
Capacity	MVA	3,925	4,222	7.6%
Grid S.S.(220/132/33kV)	No.	5	4	-20.0%
Capacity	MVA	2100/500	1600/380	
Grid S.S.(220/132kV)	No.	2	4	100.0%
Capacity	MVA	405	1,405	246.9%
Grid S.S.(220/33kV)	No.	1	1	0.0%
Capacity	MVA	75	75	0.0%
Grid S.S. (132/11 kV)	No.	5	5	0.0%
Capacity	MVA	369	369	0.0%
Primary S.S. (33kV/11kV)	No.	126	130	3.2%
Capacity	MVA	1,164	1,546	32.9%
Distribution S.S.(33kV/LV & 11kV/LV)	No.	27,251	28,700	5.3%
Capacity	MVA	6,096	6,509	6.8%
Total number of substations	**No.**	**27,444**	**28,899**	**5.3%**
Total capacity	**MVA**	**14,634**	**16,106**	**10.1%**

NO. OF AREAS, CONSUMER SERVICE CENTRES & POS CENTRES IN C.E.B

Province/Division	2014			2015		
	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	10	1	3	10	2
Nothern	3	12	2	3	12	2
Division - 1 Total	**17**	**55**	**12**	**17**	**55**	**13**
Western-North	6	18	7	6	19	7
Central	12	39	6	12	39	9
Eastern	4	19	2	4	19	3
Division - 2 Total	**22**	**76**	**15**	**22**	**77**	**19**
Western-South II	5	13	6	5	13	6
Uva	3	12	3	3	12	3
Sabaragamuwa	5	17	3	5	17	3
Division - 3 Total	**13**	**42**	**12**	**13**	**42**	**12**
Western-South I	3	10	4	3	10	4
Southern	7	27	6	7	27	12
Division - 4 Total	**10**	**37**	**10**	**10**	**37**	**16**
TOTAL	**62**	**210**	**53***	**62**	**211**	**64***

* Added 4 centers managed by CEB Head Office.

** All CSC activities handled at the E - City Centres at the Area Engineer Offices.

NUMBER OF NET METERING CONSUMERS AND CAPACITY BY PROVINCE

Province/Division	2014		2015	
	No of Consumers	Capacity (kW)	No of Consumers	Capacity (kW)
Colombo City	778	5,615	1,211	9,593
North Western	59	216	132	481
North Central	38	202	55	293
Nothern	36	128	91	363
Division - 1 Total	**911**	**6,161**	**1,489**	**10,729**
Western-North	151	1,316	408	4,053
Central	48	214	79	1,378
Eastern	19	60	35	200
Division - 2 Total	**218**	**1,590**	**522**	**5,631**
Western-South II	252	1,074	309	1,210
Uva	3	15	9	47
Sabaragamuwa	10	60	31	198
Division - 3 Total	**265**	**1,149**	**349**	**1,455**
Western-South I	226	786	514	2,401
Southern	68	349	151	1,332
Division - 4 Total	**294**	**1,135**	**665**	**3,733**
Total	**1,688**	**10,035**	**3,025**	**21,548**

C.E.B. TARIFF

EFFECTIVE FROM • DOMESTIC 16 - 09 - 2014

• NON DOMESTIC CATEGORIES 15 - 11 - 2014 • TOU for DOMESTIC 15 - 09 - 2015

(for each 30 days billing period)

			Unit Charge			Fixed Charge
DOMESTIC -						
Consumption 0 - 60 kWh per month						
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
Consumption above 60 kWh per month						
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

The following optional Electricity Tariffs based on Time of Use (TOU) for Domestic Consumers who are connected with 3 -phase 30A or above.

Time of Use (TOU)	Energy Charge (LKR/kWh)	Fixed Charge (LKR/month)
Peak (18.30-22.30 hrs)	54.00	540.00
Day (05.30-18.30 hrs)	25.00	
Off-peak (22.30-05.30 hrs)	13.00	

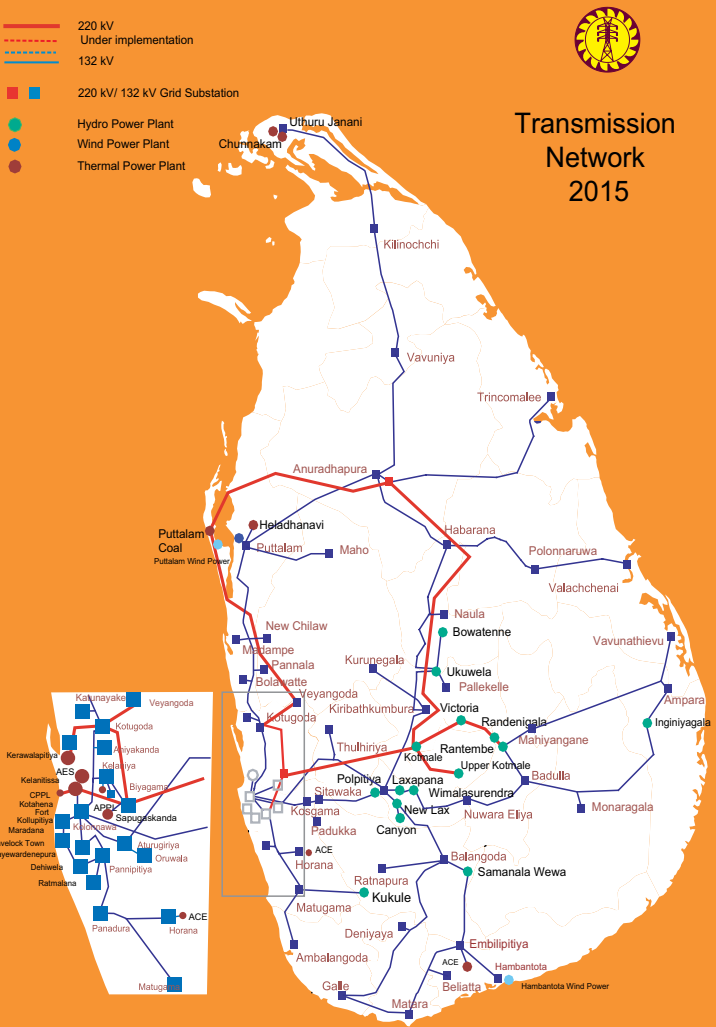
RELIGIOUS & CHARITABLE INSTITUTIONS -						
Block 1 - 0 - 30	units	@	Rs 1.90	per unit	+	Rs. 30.00
Block 2 - 31 - 90	units	@	Rs 2.80	per unit	+	Rs. 60.00
Block 3 - 91 - 120	units	@	Rs 6.75	per unit	+	Rs.180.00
Block 4 - 121 - 180	units	@	Rs 7.50	per unit	+	Rs.180.00
Block 5 - Above 180	units	@	Rs 9.40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

C.E.B. TARIFF Contd...

OTHER CUSTOMER CATEGORIES	GENERAL PURPOSE	GOVERNMENT (Schools, Hopitals....)	INDUSTRIAL	HOTEL
Rate - 1 **Supply at 400/230V** **Contract demand < or = 42 kVA** Unit Charge (Rs/unit) Fixed Charge (Rs./Month)	**GP1 - 1** For ≤ 300 kWh/month 18.30 + 240.00 **GP1 - 2** For > 300 kWh/month 22.85 + 240.00	14.65 + 600.00	**IP1 - 1** For ≤ 300 kWh/month 10.80 + 600.00 **IP1 - 2** For > 300 kWh/month 12.20 + 600.00	21.50 + 600.00
Rate - 2 **Supply at 400/230V** **Contract demand above 42 kVA** Unit Charge (Rs/unit) Demand Charge (Rs./kVA) Fixed Charge (Rs./Month)	**Day - 21.80** (5.30 am to 6.30 pm) + **Peak - 26.60** (6.30 pm to 10.30 pm) + **Off-Peak - 15.40** (10.30 pm to 5.30 am) + 1100.00 + 3000.00	14.55 + 1100.00 + 3000.00	**Day - 11.00** (5.30 am to 6.30 pm) + **Peak - 20.50** (6.30 pm to 10.30 pm) + **Off-Peak - 6.85** (10.30 pm to 5.30 am) + 1100.00 + 3000.00	**Day - 14.65** (5.30 am to 6.30 pm) + **Peak - 23.50** (6.30 pm to 10.30 pm) + **Off-Peak - 9.80** (10.30 pm to 5.30 am) + 1100.00 + 3000.00
Rate - 3 **Supply at 11 kV & above** Unit Charge (Rs/unit) Demand Charge (Rs./kVA) Fixed Charge (Rs./Month)	**Day - 20.70** (5.30 am to 6.30 pm) + **Peak - 25.50** (6.30 pm to 10.30 pm) + **Off-Peak - 14.35** (10.30 pm to 5.30 am) + 1000.00 + 3000.00	14.35 + 1000.00 + 3000.00	**Day - 10.25** (5.30 am to 6.30 pm) + **Peak - 23.50** (6.30 pm to 10.30 pm) + **Off-Peak - 5.90** (10.30 pm to 5.30 am) + 1000.00 + 3000.00	**Day - 13.70** (5.30 am to 6.30 pm) + **Peak - 22.50** (6.30 pm to 10.30 pm) + **Off-Peak - 8.80** (10.30 pm to 5.30 am) + 1000.00 + 3000.00
Street Lightning	@ Rs. 17.00 per unit			

Note - No Fuel adjustment charge is applicable for the above Tariff Structure.

Transmission Network 2015



Corporate Strategy and Regulatory Affairs Branch
CEYLON ELECTRICTY BOARD
Colombo 00200 Sri Lanka
www.ceb.lk

Designed & Printed by Ceylon Printers PLC