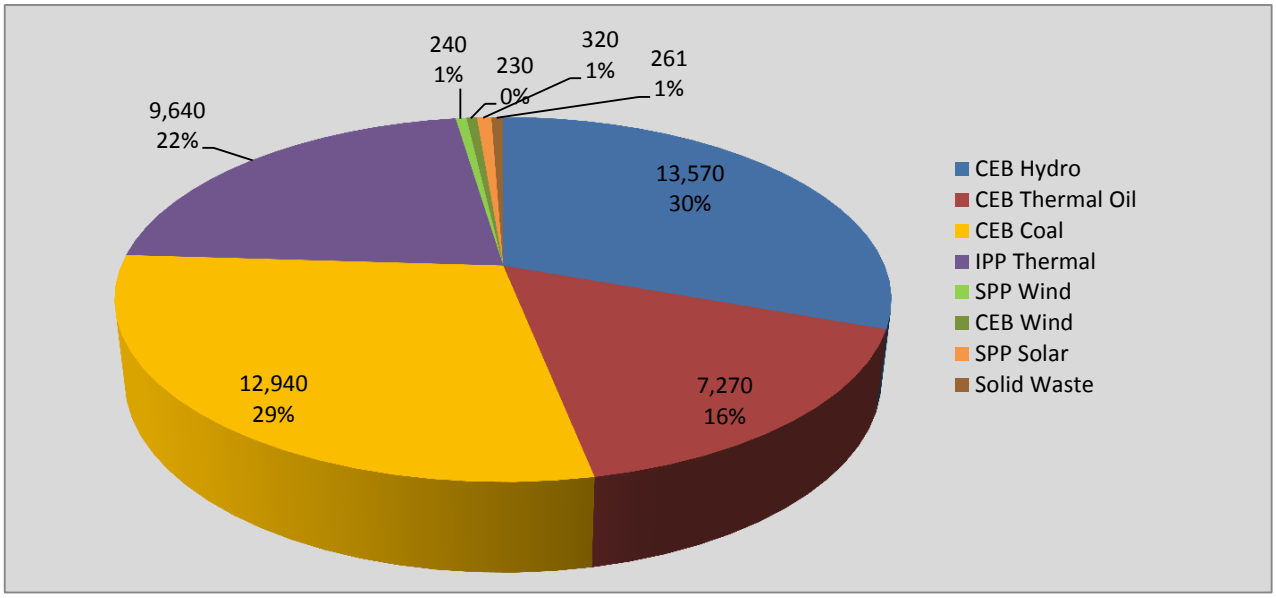
Generation and Reservoirs Statistics

January 20, 2022

PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation **44,466 MWh**

Note: Above data is Excluding contribution from Roof Top Solar, 1MW solar and Mini Hydro plants

Cumulative Dispatch

Note: Following data is Excluding contribution from Roof Top Solar, 1MW solar and Mini Hydro plants

For Current Month

Category	Dispatch (GWh)	
CEB Hydro	276.0	32.99%
CEB Thermal Oil	140.4	16.77%
CEB Coal	259.7	31.03%
IPP Thermal	125.3	14.98%
SPP Wind	11.5	1.37%
CEB Wind	13.8	1.65%
SPP Solar	5.0	0.60%
SPP Solid Waste	5.2	0.62%
Total	**836.7**	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	276.0	32.99%
CEB Thermal Oil	140.4	16.77%
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IPP Thermal	125.3	14.98%
SPP Wind	11.5	1.37%
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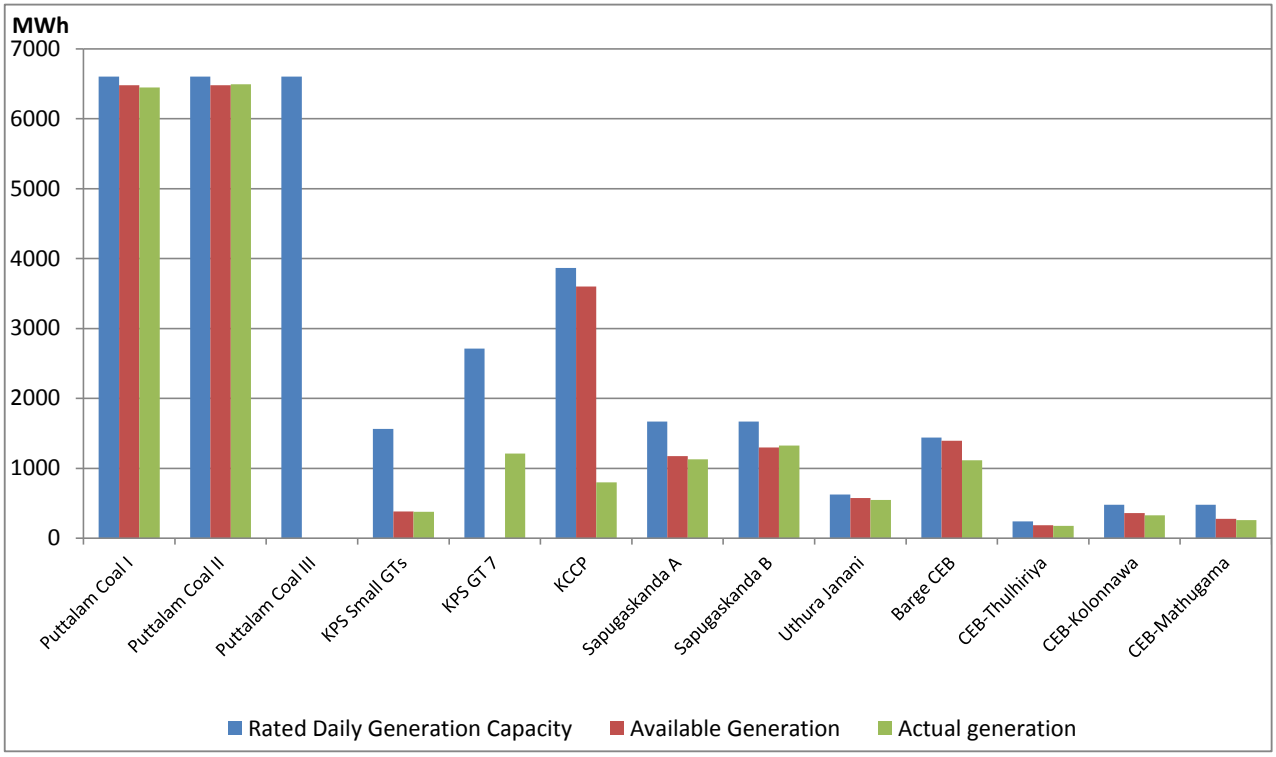
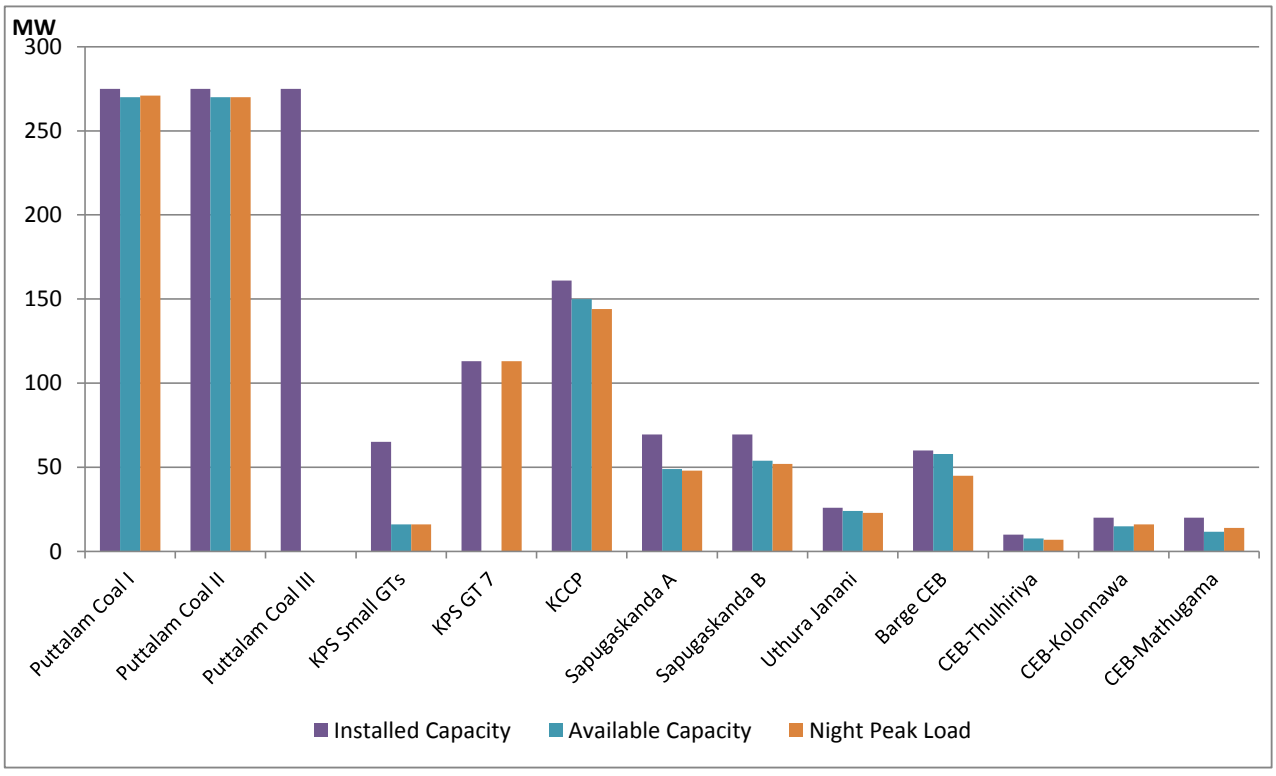
SPP Solar	5.0	0.60%
SPP Waste Heat	5.2	0.62%
Total	**836.7**	

CEB owned Thermal Plant Dispatch January 20, 2022



Available Generation is estimated based on plant availability at 6.00am on January 21, 2022

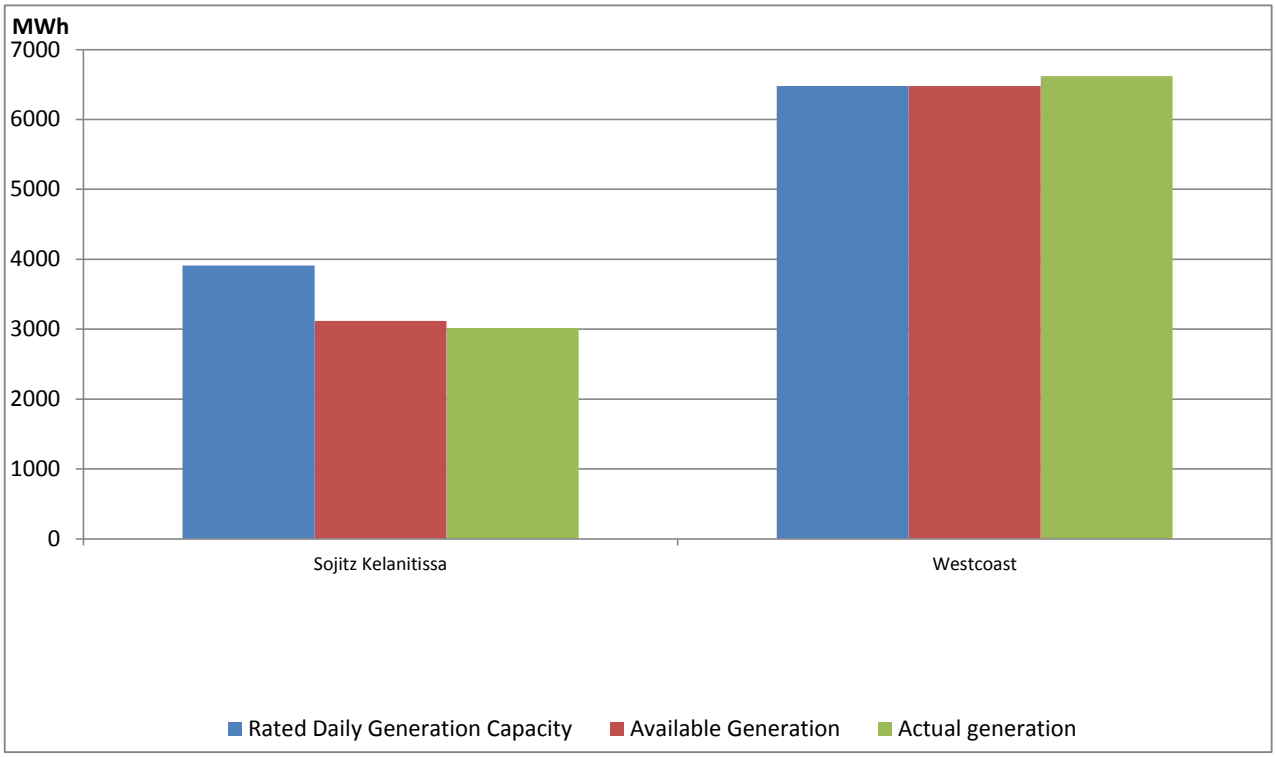
CEB owned Tharmal Plant Loading at the Night Peak



Note- Plant avilability is recorded at 6.00 am on January 21, 2022

IPP owned Thermal Plant Dispatch January 20, 2022

ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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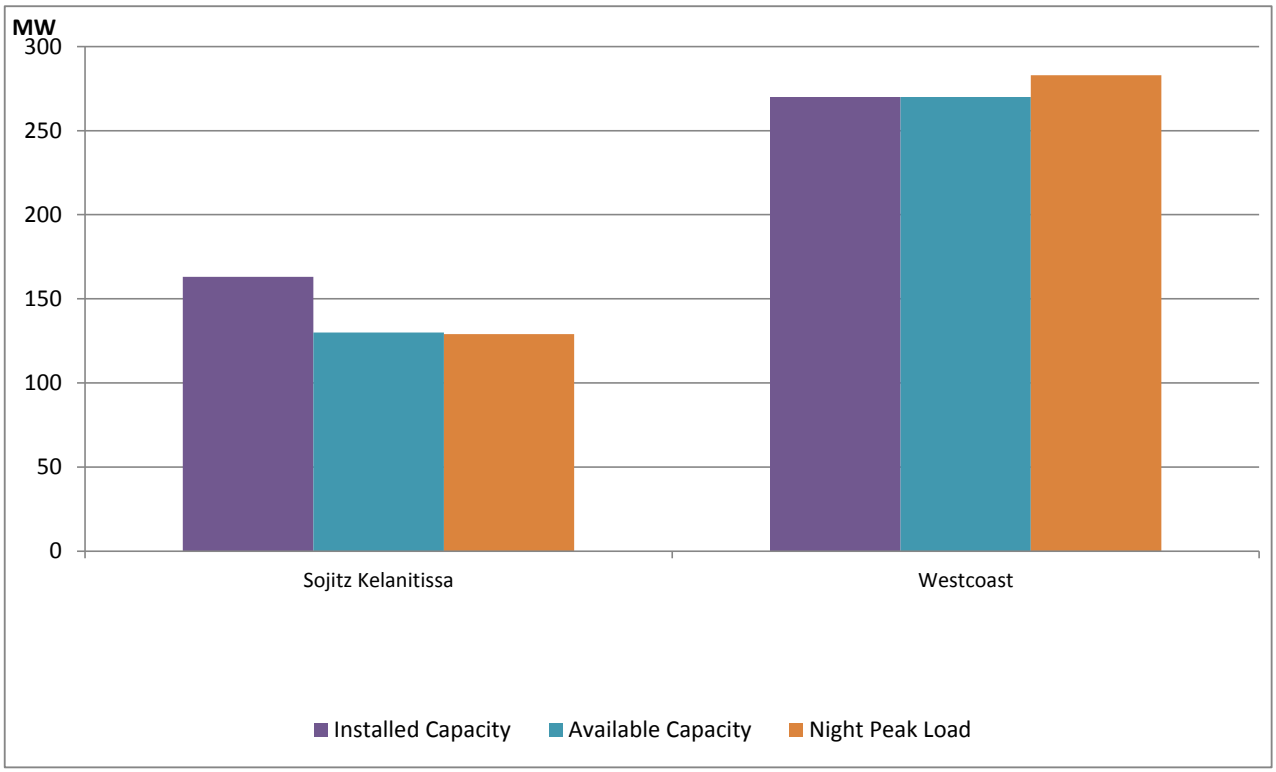
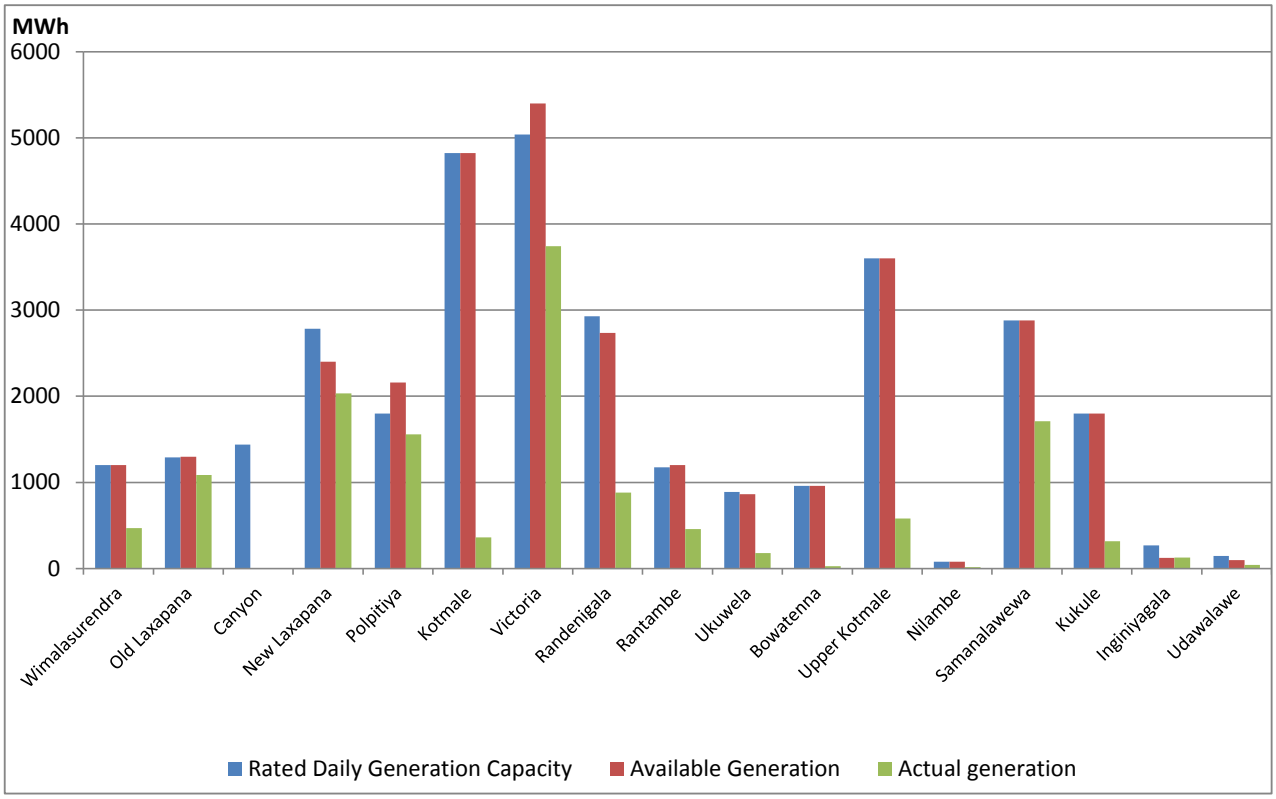


Note- Plant avilability is recorded at 6.00 am on January 21, 2022

Major Hydro Plant Dispatch January 20, 2022



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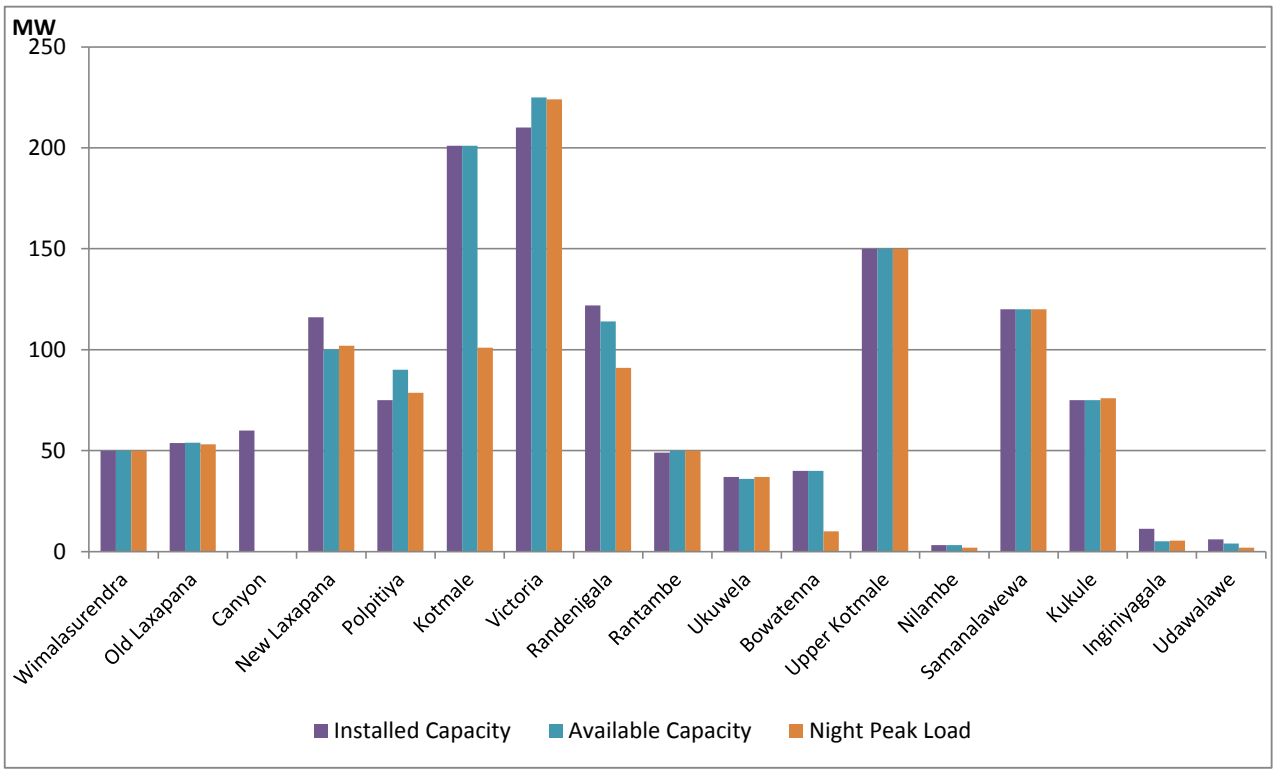
Major Hydro Plant Loading at Night Peak January 20, 2022



Note- Plant avilability is recorded at 6.00 am on January 21, 2022

Summary of Major Plant performance

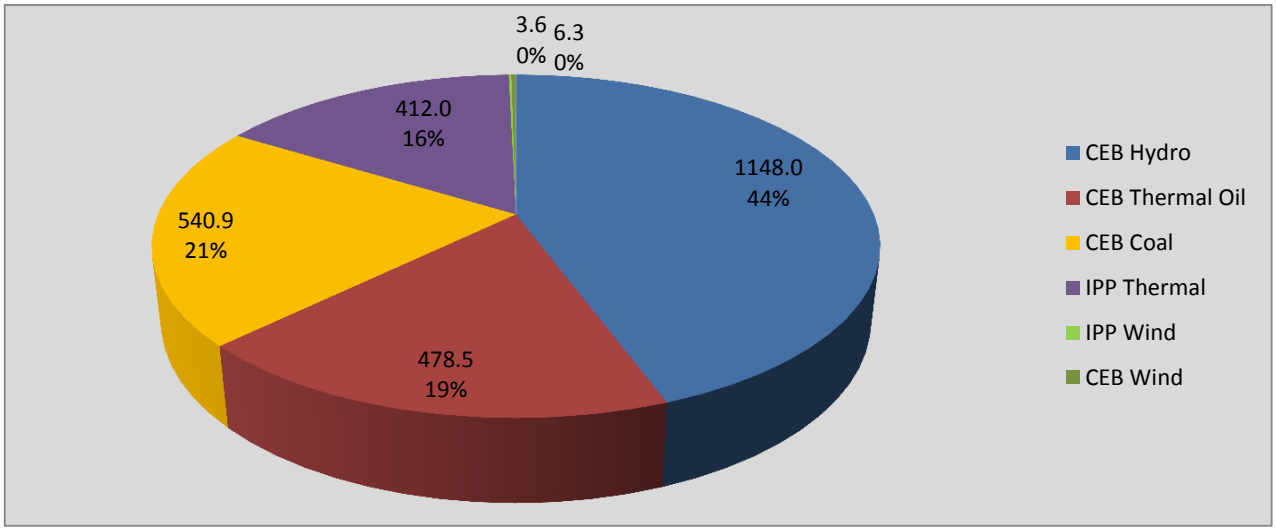
Plant	Installed Capacity	Plant Availability	Night peak Load	Dispatch
	(MW)	(MW)	(MW)	(GWh)
Wimalasurendra	50.00	50.00	50.00	468.00
Old Laxapana	53.80	54.00	53.10	1,084.00
Canyon	60.00	-	-	-
New Laxapana	116.00	100.00	102.00	2,032.00
Polpitiya	75.00	90.00	78.70	1,559.00
Kotmale	201.00	201.00	101.00	360.00
Victoria	210.00	225.00	224.00	3,742.00
Randenigala	122.00	114.00	91.00	881.00
Rantambe	49.00	50.00	50.00	458.00
Ukuwela	37.00	36.00	37.00	180.00
Bowatenna	40.00	40.00	10.00	26.00
Upper Kotmale	150.00	150.00	150.00	579.00
Nilambe	3.20	3.20	2.00	14.00
Samanalawewa	120.00	120.00	120.00	1,708.00
Kukule	75.00	75.00	76.00	317.00
Inginiyagala	11.25	5.10	5.40	126.00
Udawalawe	6.00	4.00	2.00	43.00
Puttalam Coal I	275.00	270.00	271.00	6,447.00
Puttalam Coal II	275.00	270.00	270.00	6,492.00
Puttalam Coal III	275.00	-	-	-
KPS Small GTs	65.20	16.00	16.00	376.00
KPS GT 7	113.00	-	113.00	1,210.00
KCCP	161.00	150.00	144.00	798.00
Sapugaskanda A	69.60	49.00	48.00	1,130.00
Sapugaskanda B	69.60	54.00	52.00	1,325.00
Uthura Janani	26.01	24.00	23.00	547.00
Barge CEB	60.00	58.00	45.00	1,115.00
CEB-Thulhiriya	10.00	7.70	7.00	177.00
CEB-Kolonnawa	20.00	15.00	16.00	328.00
CEB-Mathugama	20.00	11.60	14.00	259.00
Sojitz Kelanitissa	163.00	130.00	129.00	3,016.00
Westcoast	270.00	270.00	283.00	6,622.00
Vpower-Valach.	24.00	-	-	-
Solar	68.00		-	315.00
Wind	248.00		9.90	468.00
MH and BM	441.00		24.50	Not available
Total without NCRE	3,538.46	2,642.60		

Night peak load of MH and BM only include loading of Minihydro plants of total capacity MW 129

Installed capacity of Solar, wind, Mini-hydro and Biomass plants are as of end of December 2019

Plant availability is the availability recorded at 6 am on January 21, 2022

Contribution to the Night Peak in MW — January 20, 2022

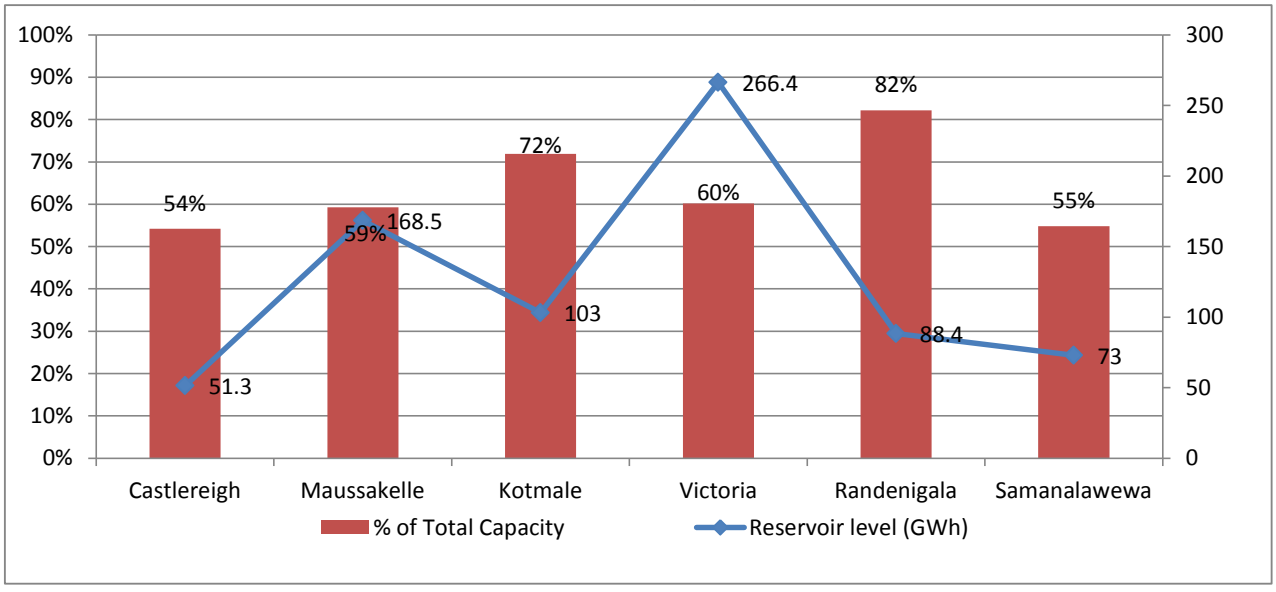


Night Peak*	2,589.2	MW
Day Peak	2,053.8	MW
Minimum Demand	1,371.3	MW

Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro Nc plants

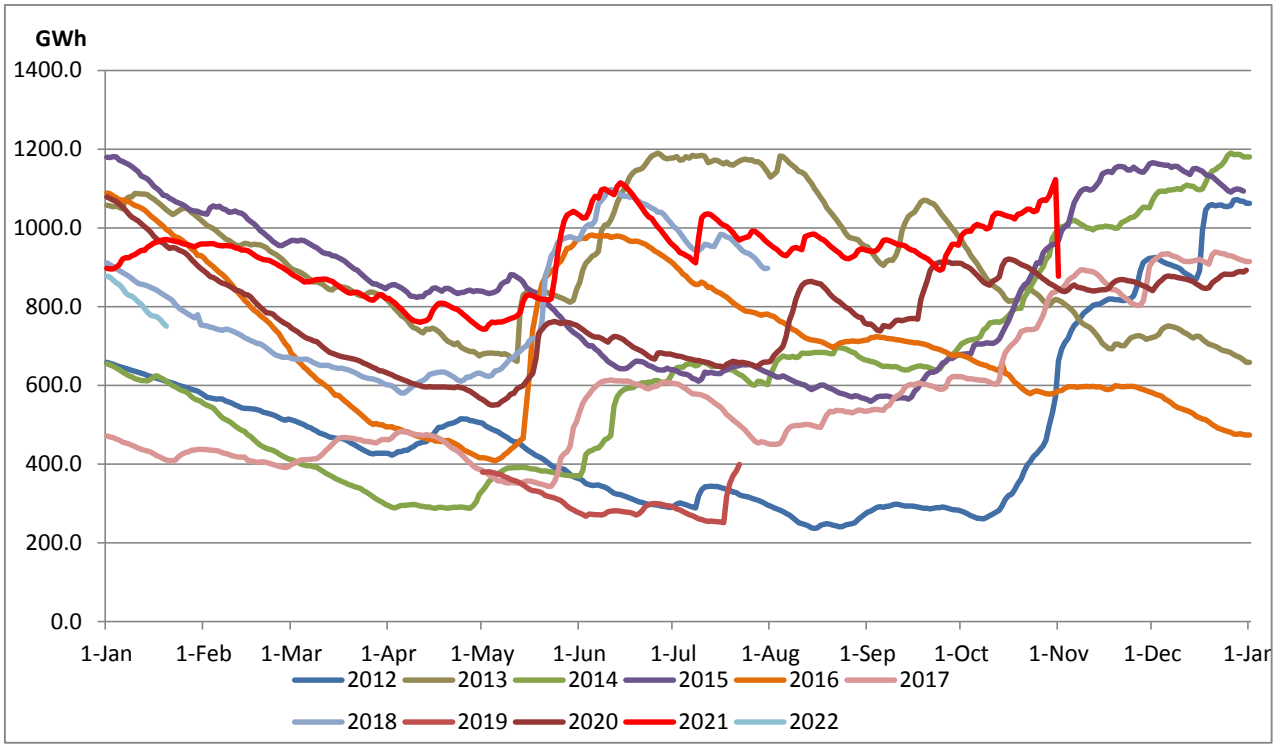
* in addition to the night peak figure presented above, Kerawalapitiya solid waste plant and 26 no. of MiniHydro Plants has contributed 35.60 MW to the night peak

Reservoir Levels - as at 06.00 Hr on January 21, 2022



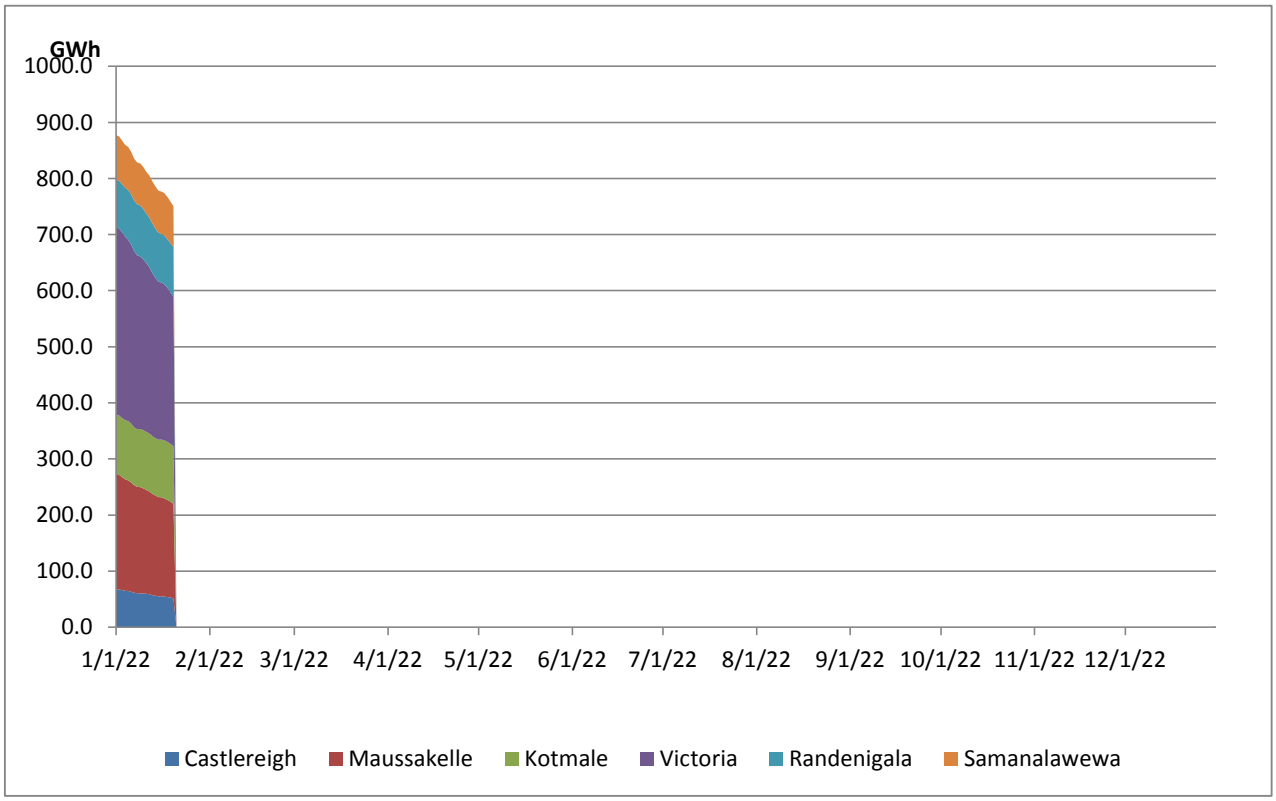
Total Reservoir Level(GWh)	750.6
% of Total capacity	62.3%

Comparison of Total Reservoir Storage Levels with Past Years

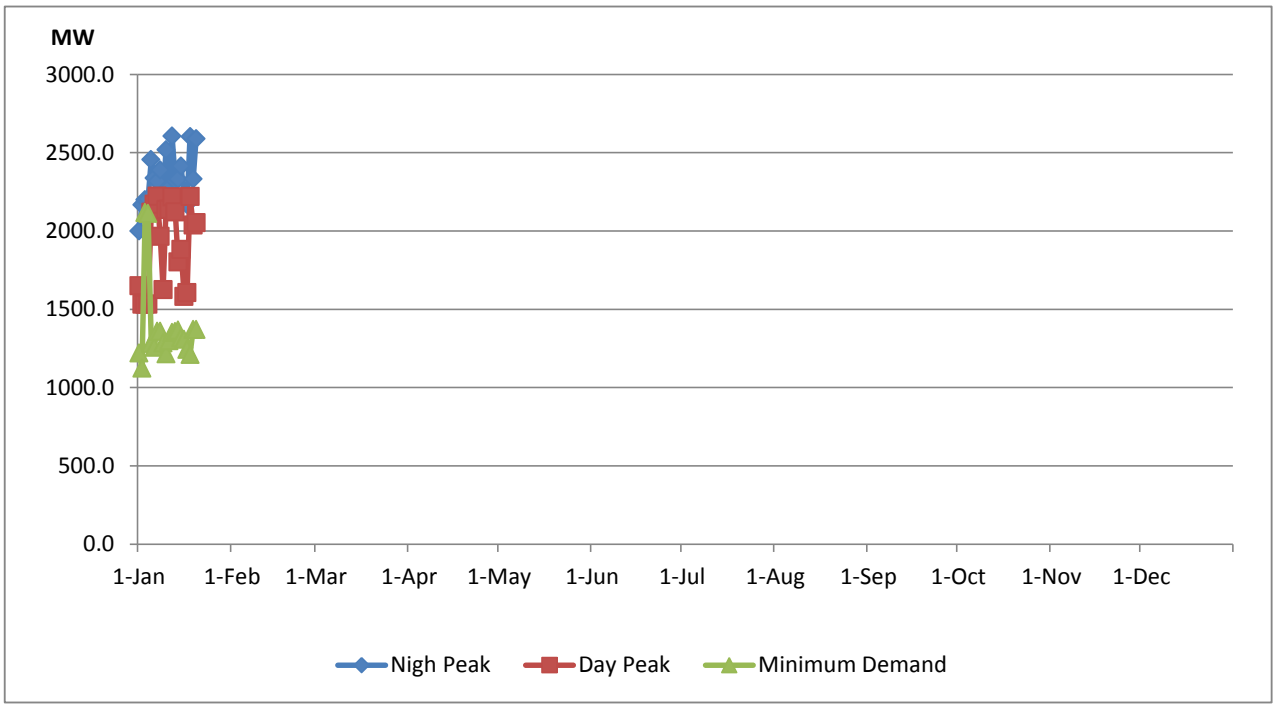


Data for 2018 and 2019 are only available for part of year.

Variation of Major Hydro Reservoir Levels in the current year (GWh)



Variation of Demand during the current year

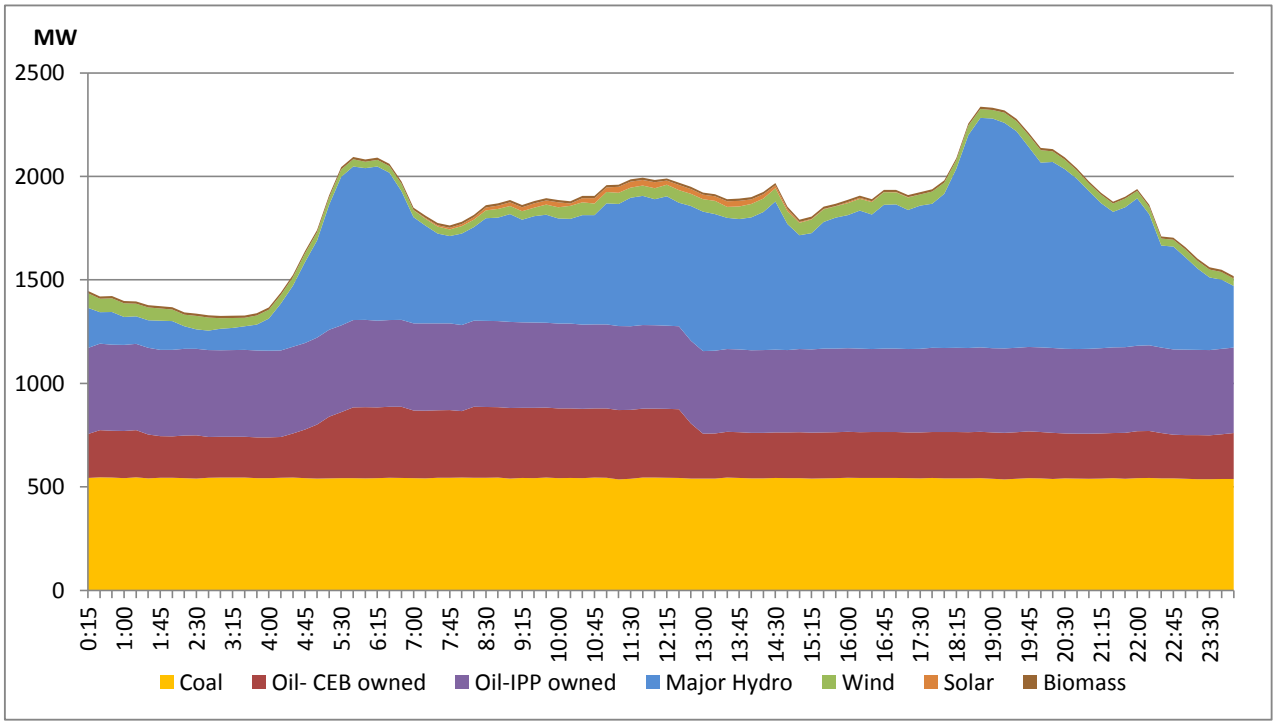


es: The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

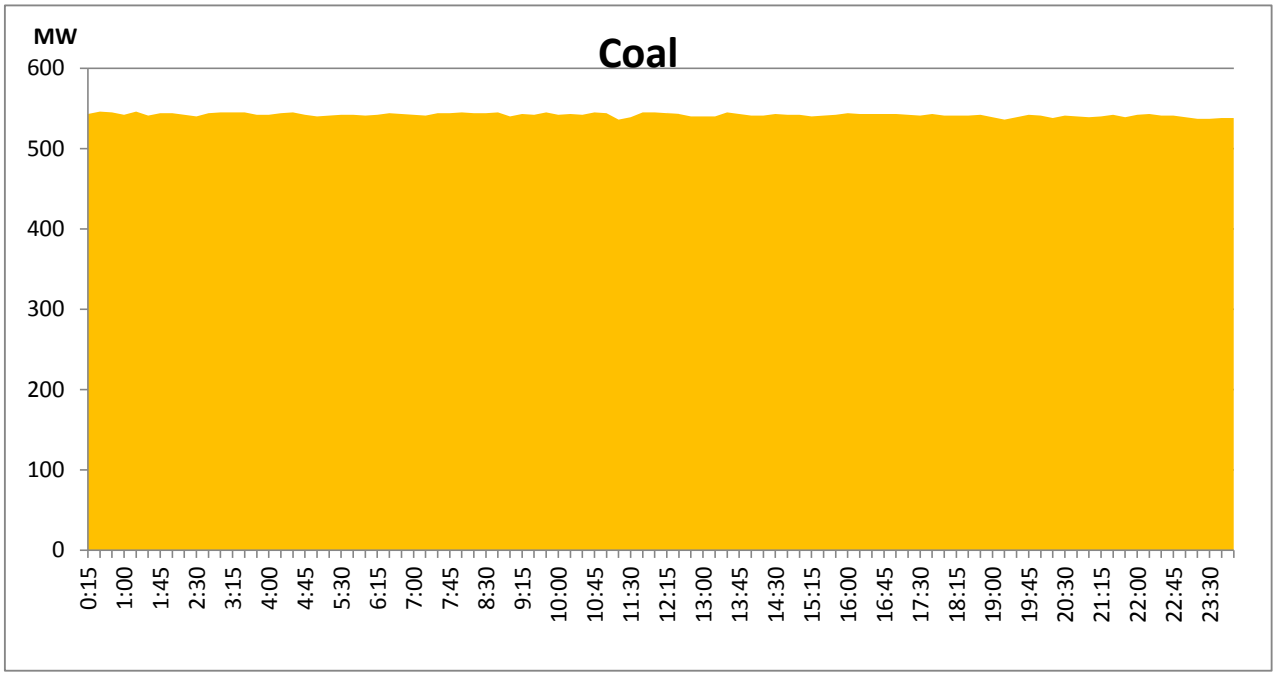
Daily Load Curve of the Previous day

January 19, 2022

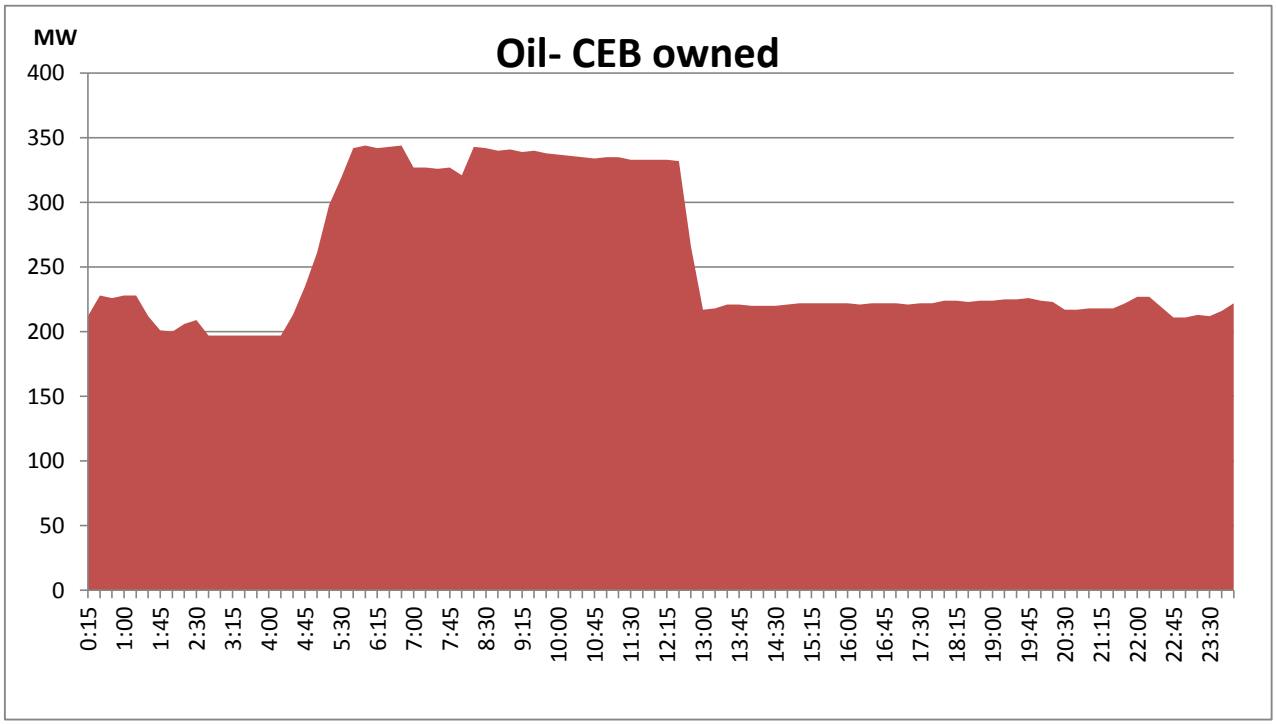
Solar and wind data is based on Telemetered Power Stations only



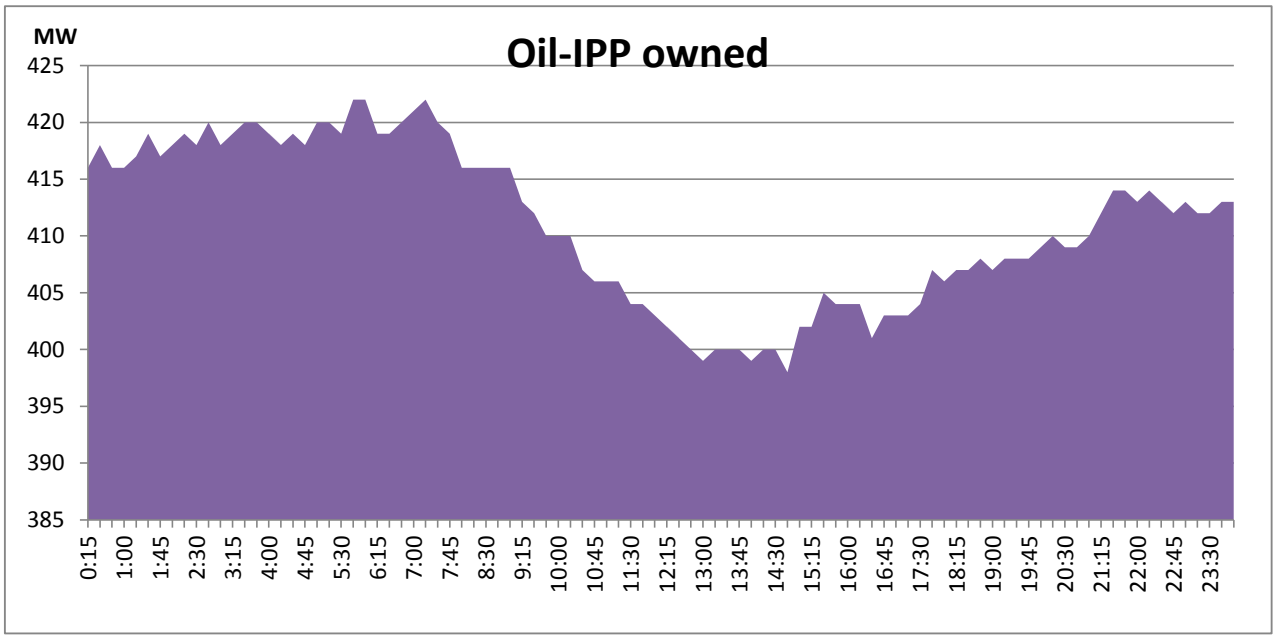
Coal Generation during the Previous day January 19, 2022



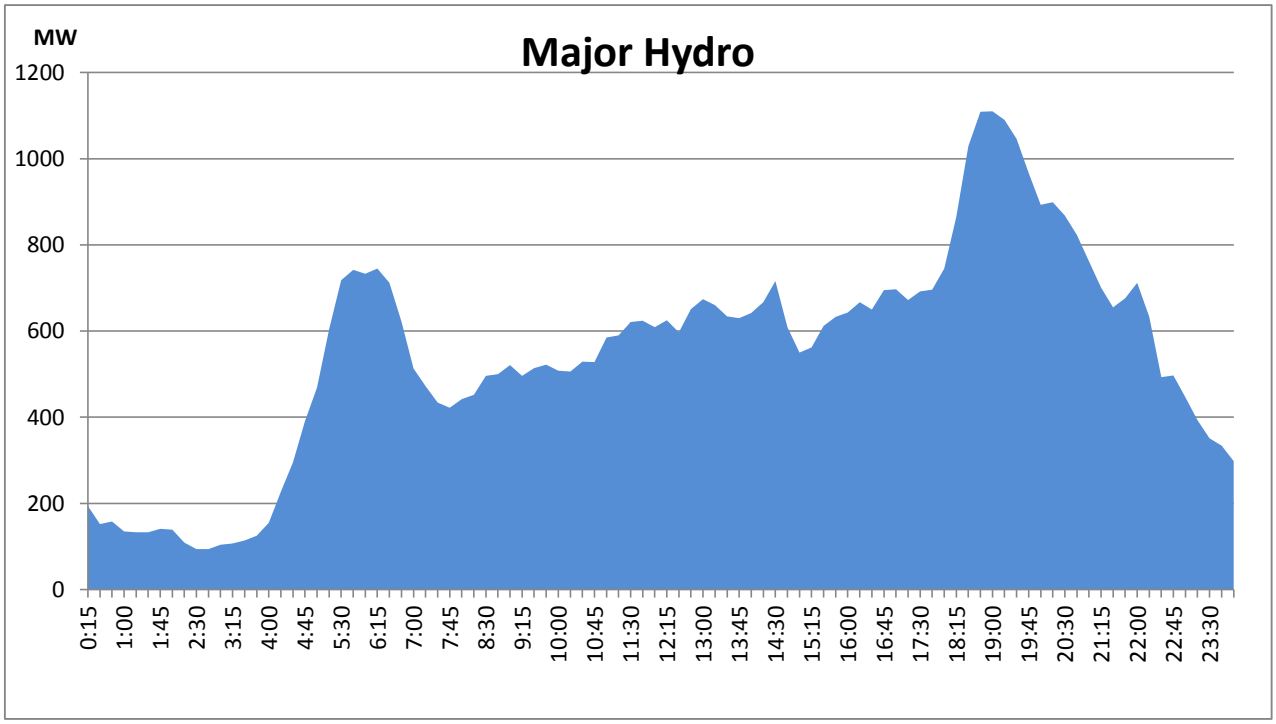
CEB Oil Plant Generation during the Previous day January 19, 2022



IPP Oil Plant Generation during the Previous day January 19, 2022

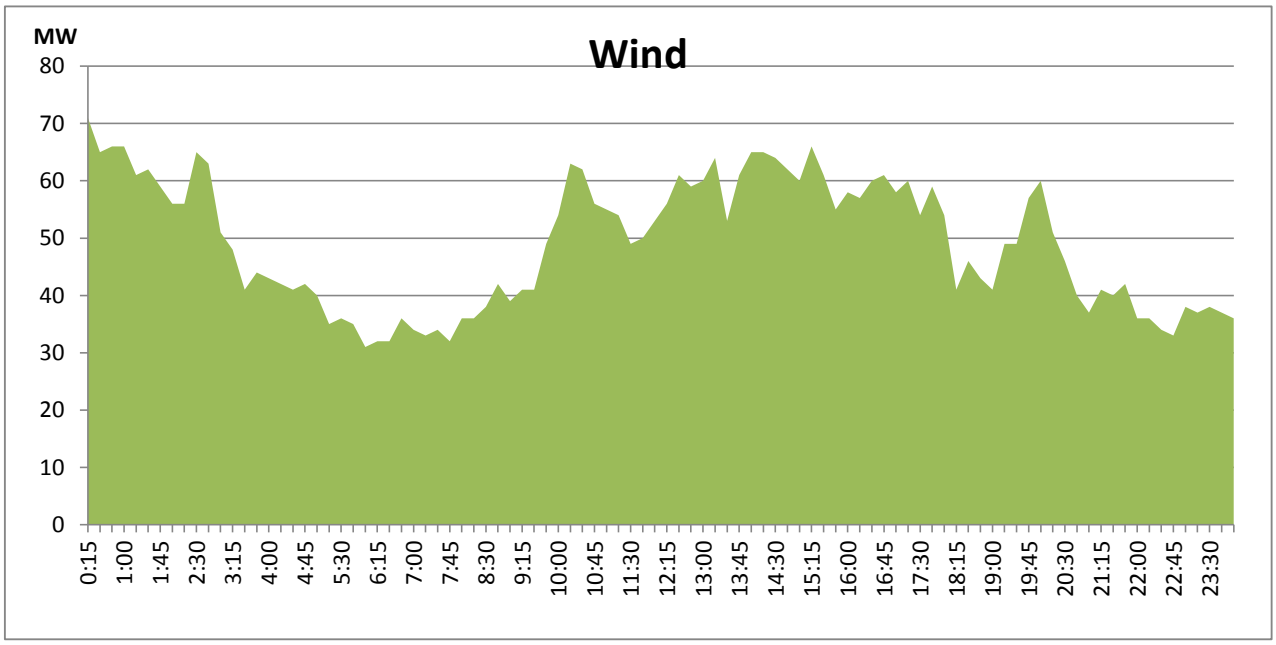


Major Hydro Generation during the Previous day January 19, 2022



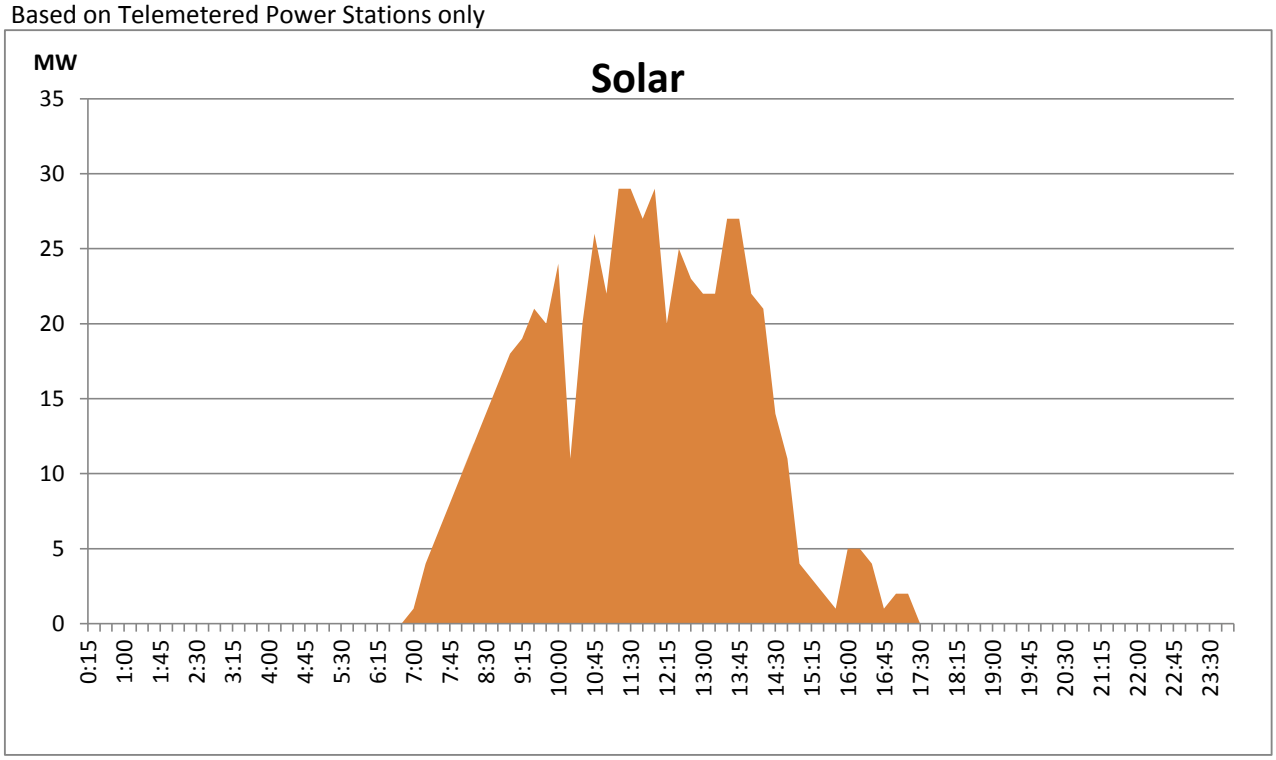
Wind Generation during the Previous day — January 19, 2022

Based on Telemetered Power Stations only



Solar Generation during the Previous day — January 19, 2022

Based on Telemetered Power Stations only



Thermal Plant Fuel types

Power Station	Primary Fuel
CEB Thermal	
Sapugaskanda 1	Heavy Fuel
Sapugaskanda 2	Heavy Fuel
Kelanitissa Small Gas Turbines	Auto Diesel
GT 7 - Kelanitissa	Auto Diesel
Kelanitissa CCY	Naptha & Diesel
Lakvijaya 1	Coal
Lakvijaya 2	Coal
Lakvijaya 3	Coal
Uthuru Janani	Heavy Fuel
Barge CEB	Furnace Oil

Power Station	Primary Fuel
Private Thermal	
Sojitz - Kelanitissa	Auto Diesel
West Coast	Low Sulphur Furnace oil

Major Incidents during the day -as reported by CEB morning of January 21, 2022

1) GT 7 resumed generation at 09.18hrs and forced shutdown at 21:32hrs for a nozzle block repair. GT7 is yet to resume generation.

2) Rotational Manual Load shedding was carried out from 14:30hrs to 16:30hrs due to inadequate generation.

3) KCCP resumed generation at 15:18hrs and forced shutdown at 22:23hrs due to fuel pressure low. KCCP resumed generation at 03:25hrs (21/01/2022).

4) Ampara GSS 132/33kV T/F 02 tripped at 00:02hrs (21/01/2022) indicating Tap Changer pressure trip. The T/F is yet to energize.

5) N/Anu – Trinco cct tripped from N/Anu side at 05.43hrs (21/01/2022) due to the operation of differential protection, while attempting to switch on (the cct was switched off to maintain the system voltage during o/p). The cct is yet to normalize.