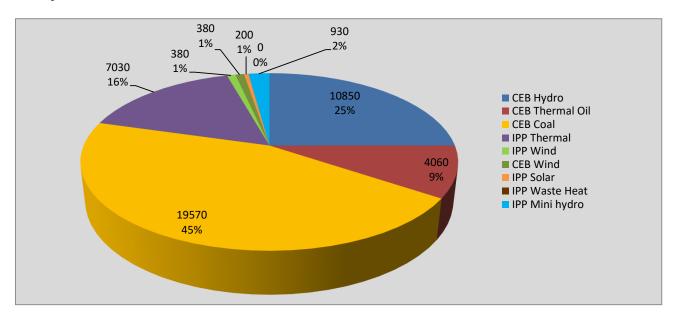
# **Generation and Reservoirs Statistics**

February 12, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

#### **Daily Generation Mix in MWh**



**Total Generation** 

43,400 MWh

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

### **Cumulative Dispatch**

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

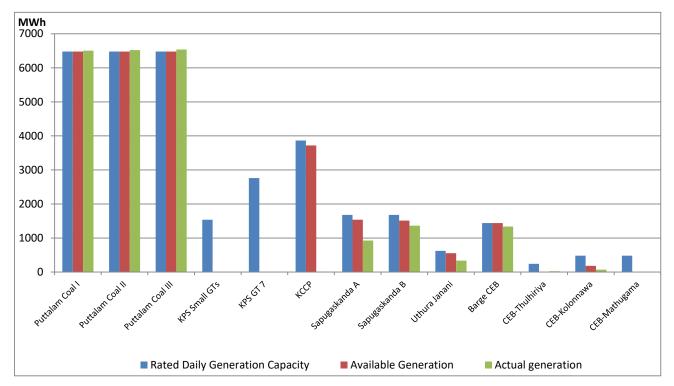
#### **For Current Month**

Category	Dispatch (GWh)	
CEB Hydro	126.8	23.81%
CEB Thermal Oil	72.9	13.68%
CEB Coal	225.0	42.24%
IPP Thermal	83.9	15.76%
SPP Wind	5.0	0.93%
CEB Wind	6.5	1.21%
SPP Solar	3.0	0.57%
SPP Solid Waste	1.3	0.24%
Mini Hydro	8.3	1.56%
Total	532.7	

#### **For Current Year**

Category	Dispatch (GWh)	
CEB Hydro	534.1	28.52%
CEB Thermal Oil	317.0	16.93%
CEB Coal	632.3	33.76%
IPP Thermal	288.0	15.38%
SPP Wind	20.3	1.08%
CEB Wind	24.6	1.31%
SPP Solar	11.0	0.59%
SPP Solid Waste	9.4	0.50%
Mini Hydro	36.5	1.95%
Total	1,872.9	

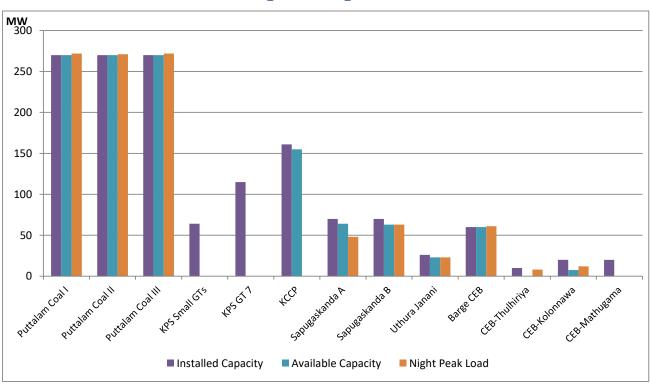
### **February 12, 2022**



Available Generation is estimated based on plant availability at 6.00am on

February 13, 2022

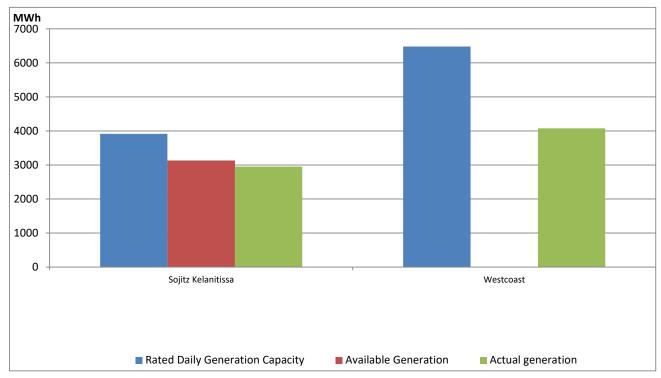
## **CEB owned Tharmal Plant Loading at the Night Peak**



Note- Plant avilability is recorded at 6.00 am on

February 13, 2022

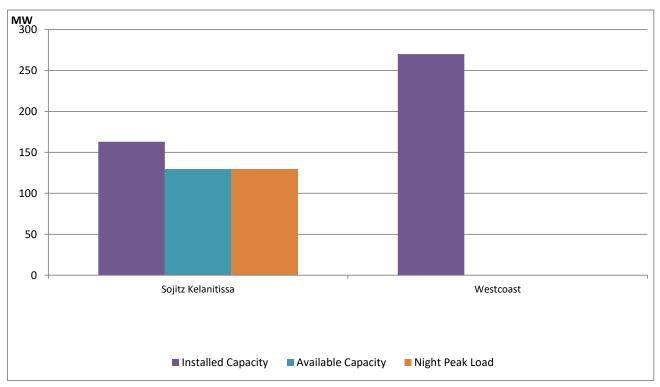
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



Available Generation is estimated based on plant availability at 6.00am on

February 13, 2022

## IPP owned Tharmal Plant Loading at the Night Peak

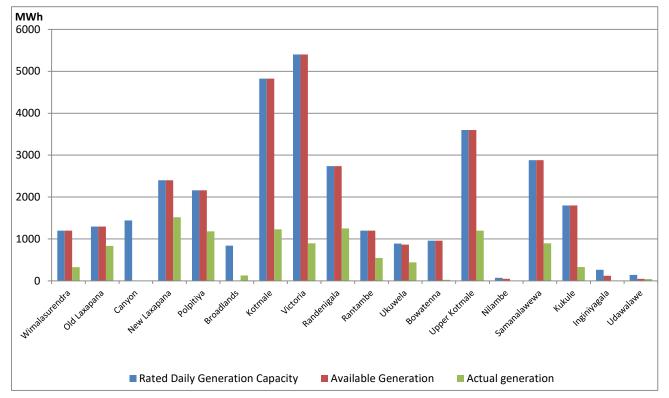


Note- Plant avilability is recorded at 6.00 am on

February 13, 2022

#### **Major Hydro Plant Dispatch**

#### **February 12, 2022**

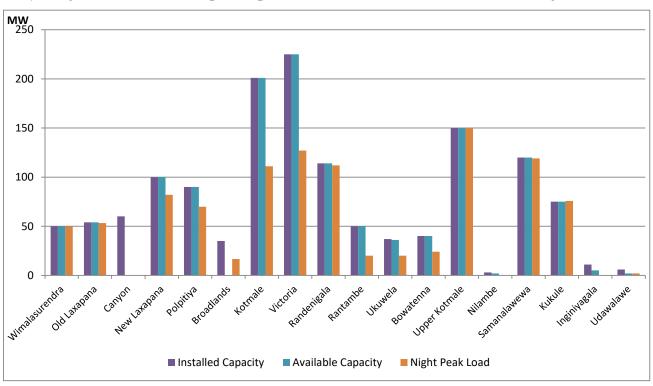


Available Generation is estimated based on plant availability at 6.00am on Broadlands power plant is operating in the Commissioning Stage

February 13, 2022

#### Major Hydro Plant Loading at Night Peak

**February 12, 2022** 



Note- Plant avilability is recorded at 6.00 am on

February 13, 2022

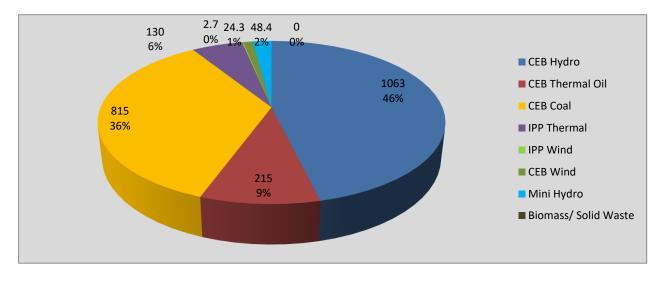
Broadlands power plant is operating in the Commissioning Stage

#### **Summary of Major Plant performance**

Old Laxapana         54         54         53         833           Canyon         60         0         0         0         0           New Laxapana         100         100         82         1,518         Polpitiya         90         90         70         1,180         Broadlands         35         0         17         129         Kotmale         201         201         111         1,230         Victoria         225         225         127         897         Randenigala         114         114         112         1,252         Randenigala         1144         114         112         1,252         Rantambe         50         20         545         Ukuwela         37         36         20         441         Bowatenna         40         40         24	Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
Old Laxapana         54         54         53         833           Canyon         60         0         0         0         0           New Laxapana         100         100         82         1,518         Polpitiya         90         90         70         1,180         Rosapana         100         100         82         1,518         Polpitiya         90         90         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,180         70         1,129         70         70         20         20         20         20         20         20         20         20         20         20         24         24         24         24         24         24         24         24         24         24         24         24         24         24         24         24         24         24         24		(MW)	(MW)	(MW)	(MWh)
Canyon         60         0         0         0           New Laxapana         100         100         82         1,518           Polpitiya         90         90         70         1,180           Broadlands         35         0         17         129           Broadlands         201         111         1,230           Victoria         225         225         127         897           Randenigala         114         114         112         1,252           Rantenigala         114         114         112         1,252           Rantambe         50         50         20         545           Ukuwelena         37         36         20         545           Ukwelena         37         36         20         424           Upper Kotmale         150         150         150         1,199           Nilambe         3         2         0         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329         Inginiyagala         11         5         0         0 <tr< td=""><td>Wimalasurendra</td><td>50</td><td>50</td><td>50</td><td>328</td></tr<>	Wimalasurendra	50	50	50	328
New Laxapana         100         100         82         1,518           Polpitiya         90         90         70         1,180           Broadlands         35         0         17         129           Kotmale         201         201         111         1,230           Victoria         225         225         127         897           Randenigala         114         114         112         1,252           Rantambe         50         50         20         545           Ukuwela         37         36         20         441           Bowatenna         40         40         24         24           Upper Kotmale         150         150         150         1,199           Nilambe         3         2         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         2         42           Puttalam Coal II         270         270         271 <td>Old Laxapana</td> <td>54</td> <td>54</td> <td>53</td> <td>833</td>	Old Laxapana	54	54	53	833
Polipitiya         90         90         70         1,180           Broadlands         35         0         17         129           Kotmale         201         201         111         1,230           Victoria         225         225         127         897           Randenigala         114         114         112         1,252           Rantambe         50         50         20         545           Ukuwela         37         36         20         441           Bowatenna         40         40         24         24           Upper Kotmale         150         150         150         1,199           Nilambe         3         2         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         2         42           Puttalam Coal II         270         270         272         6,505           Puttalam Coal III         270         270 <td< td=""><td>Canyon</td><td>60</td><td>0</td><td>0</td><td>0</td></td<>	Canyon	60	0	0	0
Broadlands         35         0         17         129           Kotmale         201         201         111         1,230           Victoria         225         225         127         897           Randenigala         114         114         112         1,252           Rantambe         50         50         20         545           Ukuwela         37         36         20         441           Bowatenna         40         40         24         24           Upper Kotmale         150         150         150         1,199           Nilambe         3         2         0         0         0           Samanalawewa         120         119         897         Kukule         75         75         76         329           Inginiyagala         11         5         0         0         0         0           Udawalawe         6         2         2         2         42           Puttalam Coal II         270         270         272         6,505           Puttalam Coal III         270         270         271         6,521           Puttalam Coal III         270	New Laxapana	100	100	82	1,518
Kotmale         201         201         111         1,230           Victoria         225         225         127         897           Randenigala         114         114         112         1,252           Rantambe         50         50         20         545           Ukuwela         37         36         20         441           Bowatenna         40         40         24         24           Upper Kotmale         150         150         150         1,199           Nilambe         3         2         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         42           Puttalam Coal II         270         270         272         6,505           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS GT 7         115         0         0	Polpitiya	90	90	70	1,180
Victoria         225         225         127         897           Randenigala         114         114         112         1,252           Rantambe         50         50         20         545           Ukuwela         37         36         20         441           Bowatenna         40         40         24         24           Upper Kotmale         150         150         150         1,199           Nilambe         3         2         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         42           Puttalam Coal II         270         270         272         6,505           Puttalam Coal III         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KCP         161         155         0	Broadlands	35	0	17	129
Randenigala         114         114         112         1,252           Rantambe         50         50         20         545           Ukuwela         37         36         20         441           Bowatenna         40         40         24         24           Upper Kotmale         150         150         1,199           Nilambe         3         2         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         42           Puttalam Coal I         270         270         272         6,505           Puttalam Coal III         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS GT 7         115         0         0         0           KCCP         161         155         0         10	Kotmale	201	201	111	1,230
Rantambe         50         50         20         545           Ukuwela         37         36         20         441           Bowatenna         40         40         24         24           Upper Kotmale         150         150         150         1,199           Nilambe         3         2         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         42           Puttalam Coal I         270         270         272         6,505           Puttalam Coal III         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS GT 7         115         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         92	Victoria	225	225	127	897
Ukuwela         37         36         20         441           Bowatenna         40         40         24         24           Upper Kotmale         150         150         150         1,199           Nilambe         3         2         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0         0           Udawalawe         6         2         2         42         42           Puttalam Coal I         270         270         272         6,505         6,505           Puttalam Coal III         270         270         271         6,521         6,521         9         6,521         9         9         6,539	Randenigala	114	114	112	1,252
Bowatenna         40         40         24         24           Upper Kotmale         150         150         1,199           Nilambe         3         2         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         42           Puttalam Coal I         270         270         272         6,505           Puttalam Coal III         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS Small GTs         64         0         0         0           KCCP         161         155         0         0         0           KCCP         161         155         0         10         0           Sapugaskanda A         70         64         48         926         926         23         23         337	Rantambe	50	50	20	545
Upper Kotmale         150         150         1,199           Nilambe         3         2         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         42           Puttalam Coal I         270         270         272         6,505           Puttalam Coal III         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS ST 7         115         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336 <td>Ukuwela</td> <td>37</td> <td>36</td> <td>20</td> <td>441</td>	Ukuwela	37	36	20	441
Nilambe         3         2         0         0           Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         42           Puttalam Coal II         270         270         271         6,505           Puttalam Coal III         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS Small GTs         64         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Kolonnawa         20         8         12 <td>Bowatenna</td> <td>40</td> <td>40</td> <td>24</td> <td>24</td>	Bowatenna	40	40	24	24
Samanalawewa         120         120         119         897           Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         42           Puttalam Coal I         270         270         271         6,505           Puttalam Coal III         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS GT 7         115         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Mathugama         20         8         12	Upper Kotmale	150	150	150	1,199
Kukule         75         75         76         329           Inginiyagala         11         5         0         0           Udawalawe         6         2         2         42           Puttalam Coal I         270         270         271         6,505           Puttalam Coal III         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0         0           KPS GT 7         115         0         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         33           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20	Nilambe	3	2	0	0
Topiniyagala	Samanalawewa	120	120	119	897
Udawalawe         6         2         2         42           Puttalam Coal I         270         270         272         6,505           Puttalam Coal II         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS GT 7         115         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0	Kukule	75	75	76	329
Puttalam Coal I         270         270         272         6,505           Puttalam Coal II         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS GT 7         115         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	Inginiyagala	11	5	0	0
Puttalam Coal II         270         270         271         6,521           Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS GT 7         115         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	Udawalawe	6	2	2	42
Puttalam Coal III         270         270         272         6,539           KPS Small GTs         64         0         0         0           KPS GT 7         115         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	Puttalam Coal I	270	270	272	6,505
KPS Small GTs         64         0         0         0           KPS GT 7         115         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	Puttalam Coal II	270	270	271	6,521
KPS GT 7         115         0         0         0           KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	Puttalam Coal III	270	270	272	6,539
KCCP         161         155         0         10           Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	KPS Small GTs	64	0	0	0
Sapugaskanda A         70         64         48         926           Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	KPS GT 7	115	0	0	0
Sapugaskanda B         70         63         63         1,362           Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	KCCP	161	155	0	10
Uthura Janani         26         23         23         337           Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	Sapugaskanda A	70	64	48	926
Barge CEB         60         60         61         1,336           CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	Sapugaskanda B	70	63	63	1,362
CEB-Thulhiriya         10         0         8         23           CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	Uthura Janani	26	23	23	337
CEB-Kolonnawa         20         8         12         71           CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	Barge CEB	60	60	61	1,336
CEB-Mathugama         20         0         0         0           Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	CEB-Thulhiriya	10	0	8	23
Sojitz Kelanitissa         163         130         130         2,951           West Coast         270         0         0         4,078	CEB-Kolonnawa	20	8	12	71
West Coast 270 0 0 4,078	CEB-Mathugama	20	0	0	0
· · · · · · · · · · · · · · · · · · ·	Sojitz Kelanitissa	163	130	130	2,951
Total 3,280 2,627 2,268 43,397	West Coast	270	0	0	4,078
	Total	3,280	2,627	2,268	43,397

#### Contribution to the Night Peak in MW

## **February 12, 2022**



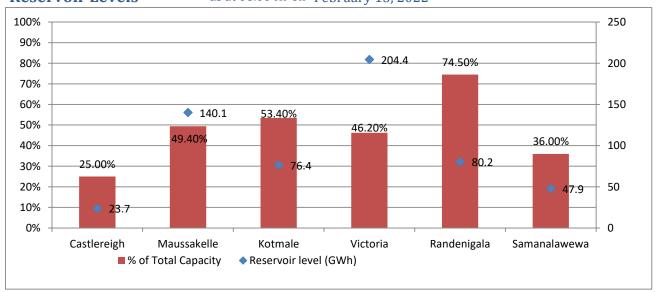
 Night Peak\*
 2,298.0
 MW

 Day Peak
 2,040.1
 MW

 Minimum Demand
 1,359.9
 MW

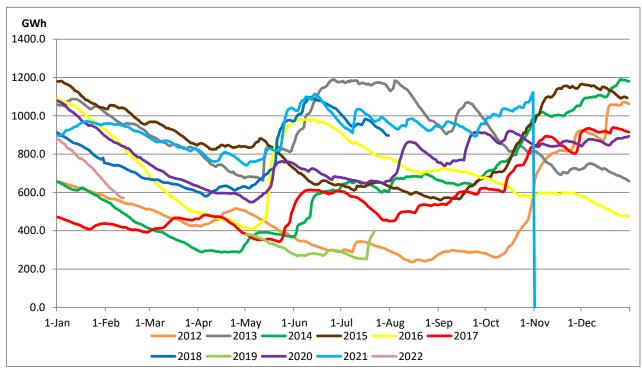
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

#### **Reservoir Levels -** as at 06.00 Hr on February 13, 2022



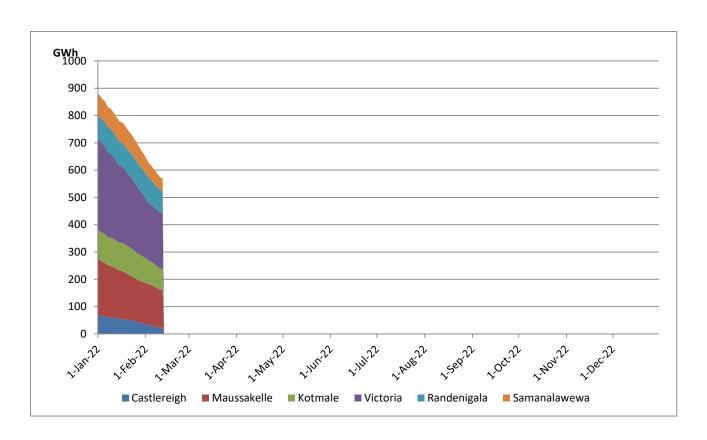
Total Reservoir Level(GWh) 572.7 % of Total capacity 47.4%

### **Comparison of Total Reservoir Storage Levels with Past Years**

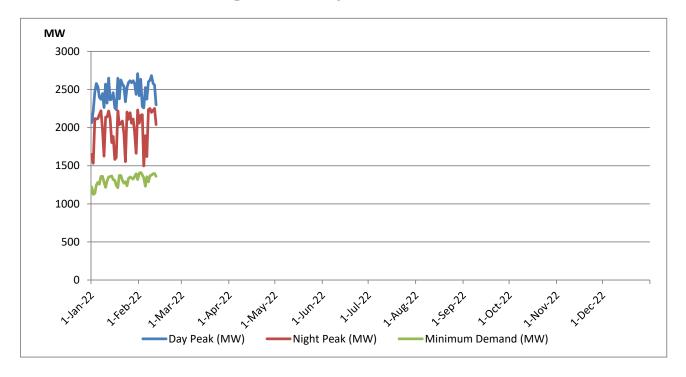


Data for 2018 and 2019 are only available for part of year.

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



#### Variation of Demand during the current year

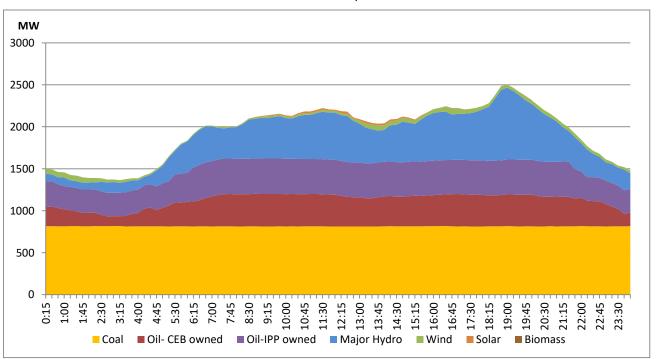


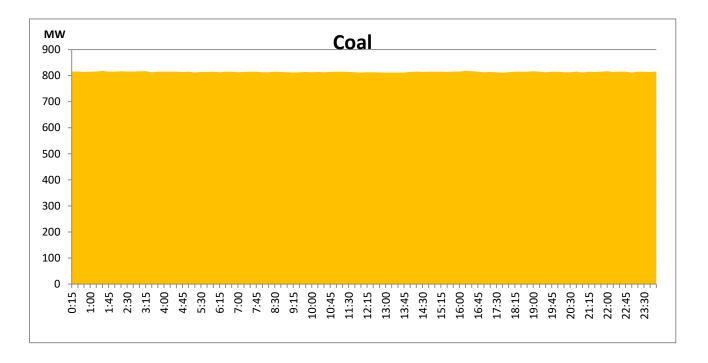
The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## **Daily Load Curve of the Previous day**

**February 11, 2022** 

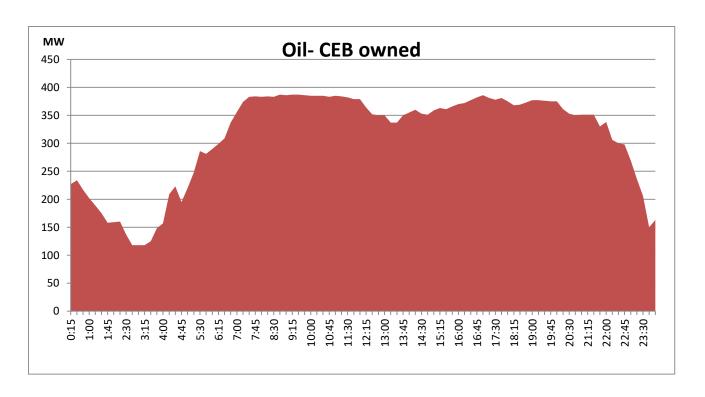
Solar and wind data is based on Telemetered Power Stations only

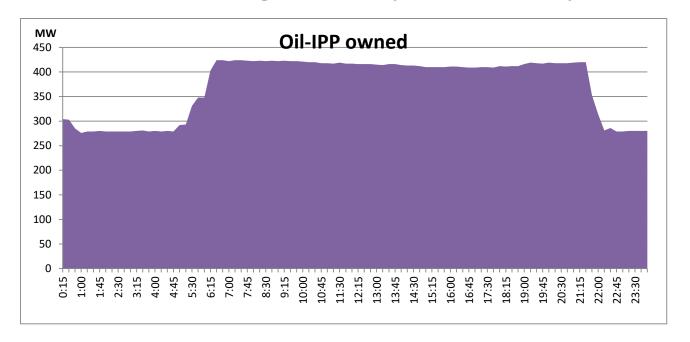




**CEB Oil Plant Generation during the Previous day** 

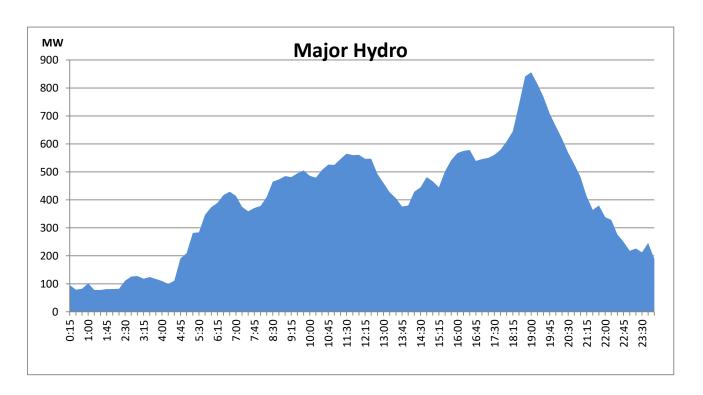
**February 11, 2022** 



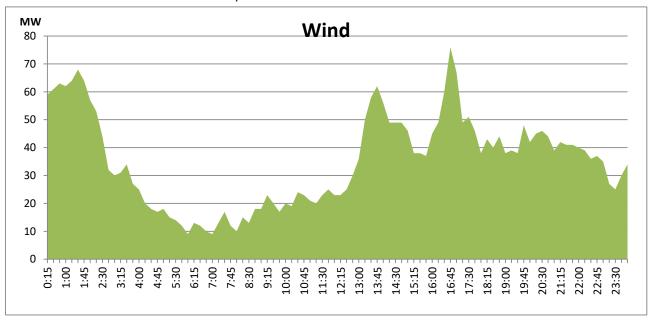


Major Hydro Generation during the Previous day

**February 11, 2022** 

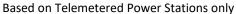


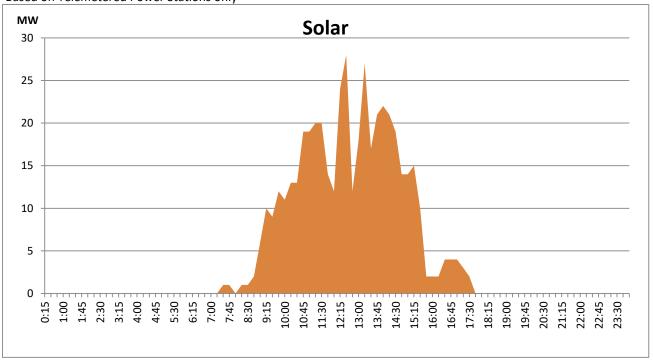
Based on Telemetered Power Stations only



### **Solar Generation during the Previous day**

**February 11, 2022** 





#### **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 -	Auto Diesel	
Kelanitissa	Auto Diesei	
West Coast	Low Sulphur	
West Coast	Furnace oil	

#### Major Incidents during the day -as reported by CEB morning of

February 13, 2022

1) Kerawalapitiya GIS -WCP cable 02 ( GT02 +ST) tripped at 17:23hrs due to the operation of differential protection rejecting 180 MW from

the system. WCP GT 01 also shutdown at 17:38hrs and declared 0 MW from 18:00hrs onwards. Kera GIS -WCP cable 02 yet to be energized.

2) Sojitz ST tripped rejecting 48MW from the system at 17:23hrs and resumed generation at 18:20hrs.