

Generation and Reservoirs Statistics

July 29, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix in MWh

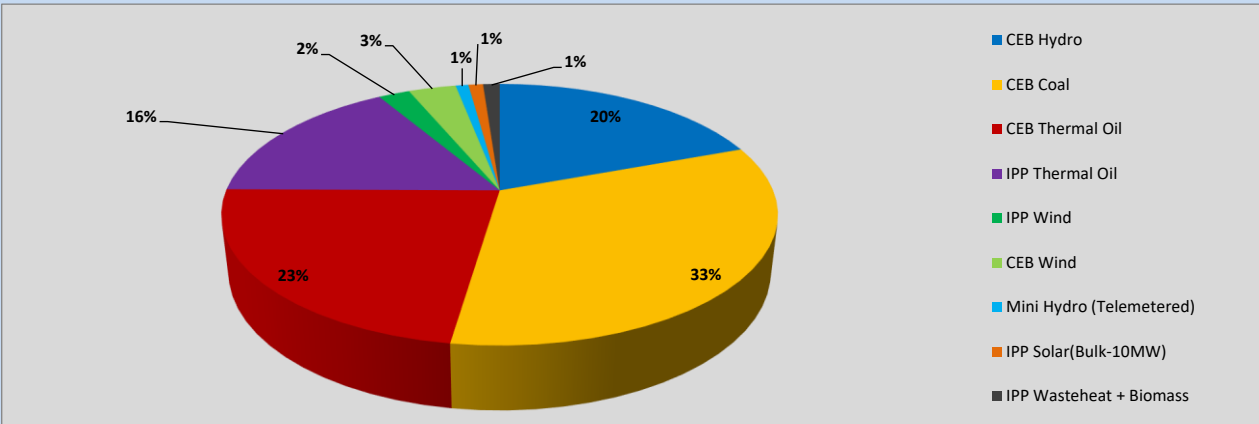


Table 01

| | | |
|---|---------------|------------|
| CEB Hydro | 7,670 | MWh |
| CEB Coal | 13,040 | MWh |
| CEB Thermal Oil | 9,008 | MWh |
| IPP Thermal Oil | 6,456 | MWh |
| IPP Wind | 862 | MWh |
| CEB Wind | 1,305 | MWh |
| Mini Hydro (Telemetered) | 351 | MWh |
| IPP Solar (Bulk) | 401 | MWh |
| IPP Wasteheat + Biomass | 457 | MWh |
| Total Generation (Excluding estimated figures) | 39,550 | MWh |
| * Estimated unserved energy | 0 | MWh |
| * Estimated Mini Hydro (Non telemetered) | 3159 | MWh |
| * Estimated IPP Solar PV (Bulk 1-10MW) | 304 | MWh |
| * Estimated Solar Roof Top PV | 1650 | MWh |
| Total Generation (Including estimated figures) | 44,663 | MWh |

* Estimated figures of CEB generation report

2. Cumulative Dispatch

Following data excludes the contribution from roof top solar, non telemetered solar and mini hydro plants

Table 02 - Current Month

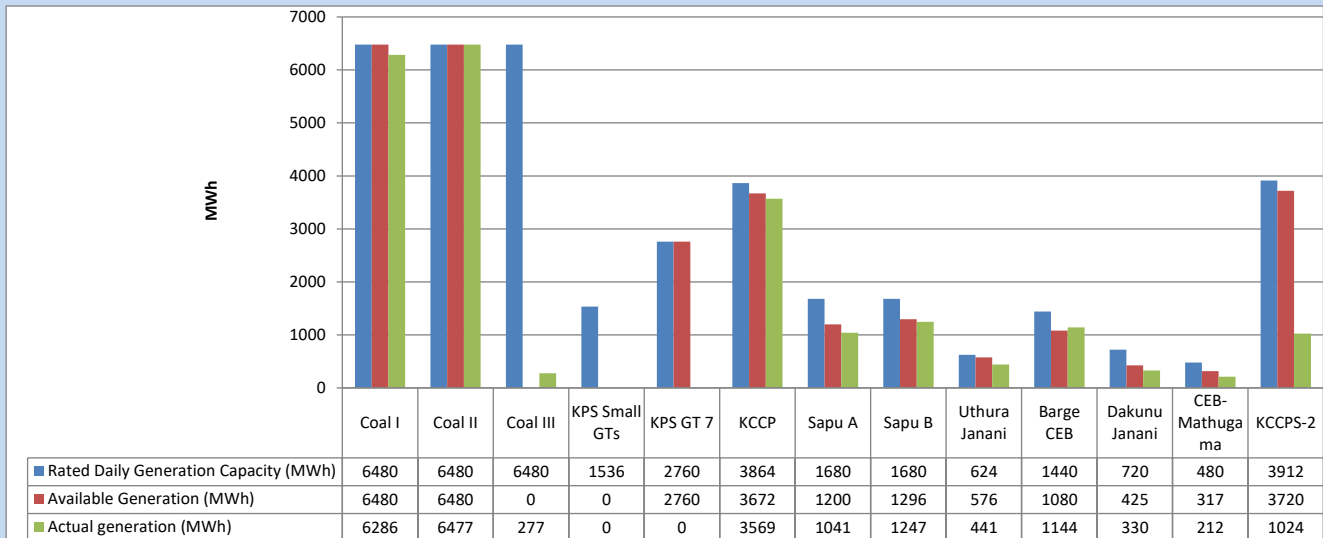
| Category | Dispatch (GWh) | |
|--------------------------|----------------|--------|
| CEB Hydro | 293 | 25.79% |
| CEB Coal | 341 | 29.99% |
| CEB Thermal Oil | 201 | 17.66% |
| IPP Thermal | 140 | 12.34% |
| SPP Wind | 56 | 4.95% |
| CEB Wind | 50 | 4.36% |
| Mini Hydro (Telemetered) | 34 | 3.03% |
| IPP Solar (Bulk-10MW) | 9 | 0.83% |
| IPP Wasteheat + BMP | 12 | 1.05% |
| Total | 1,138 | |

Table 03 - Current Year

| Category | Dispatch (GWh) | |
|--------------------------|----------------|--------|
| CEB Hydro | 2,031 | 25.11% |
| CEB Coal | 3,224 | 39.85% |
| CEB Thermal Oil | 1,284 | 15.88% |
| IPP Thermal | 794 | 9.82% |
| SPP Wind | 208 | 2.57% |
| CEB Wind | 214 | 2.64% |
| Mini Hydro (Telemetered) | 200 | 2.48% |
| IPP Solar (Bulk-10MW) | 62 | 0.77% |
| IPP Wasteheat | 72 | 0.89% |
| Total | 8,091 | |

3. CEB owned Thermal Plant Dispatch

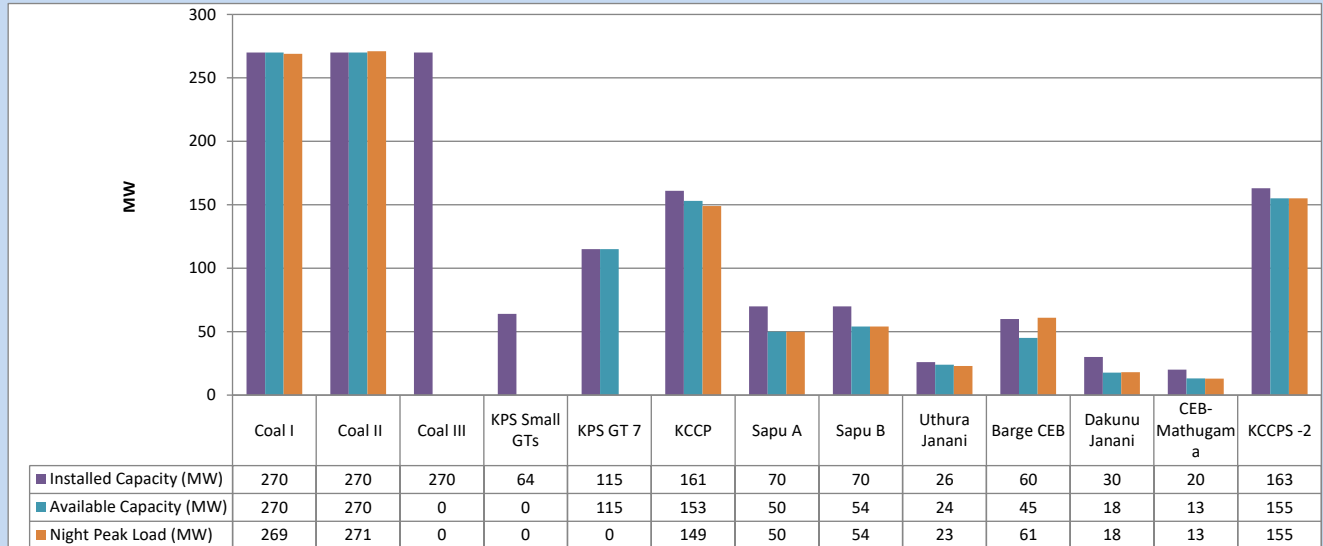
July 29, 2023



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

July 30, 2023

4. CEB owned Thermal Plant Loading at the Night Peak

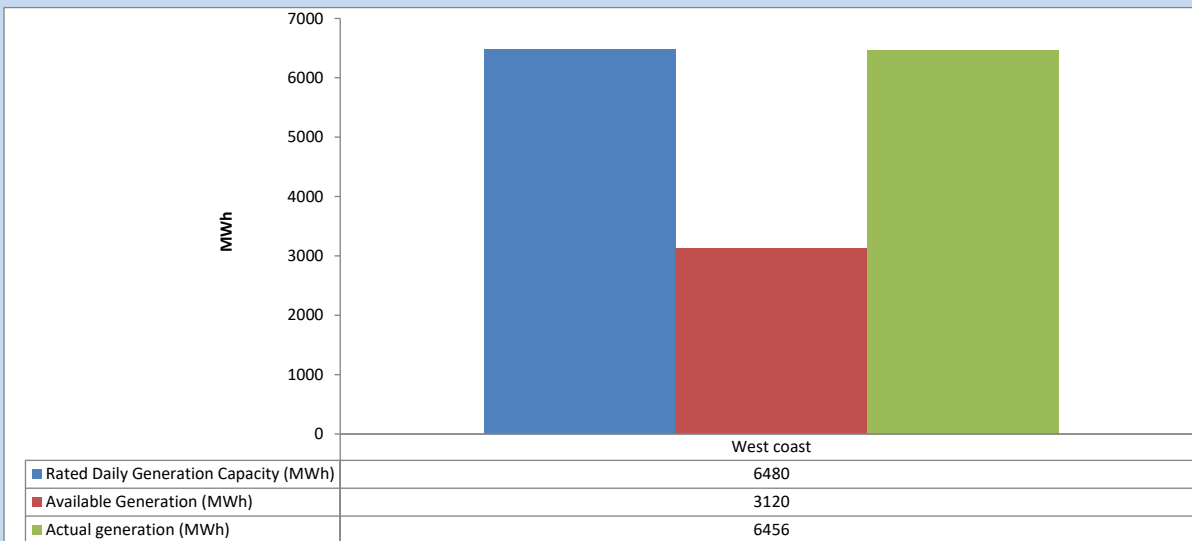


Plant availability is recorded at 6.00 am on

July 30, 2023

5. IPP owned Thermal Plant Dispatch

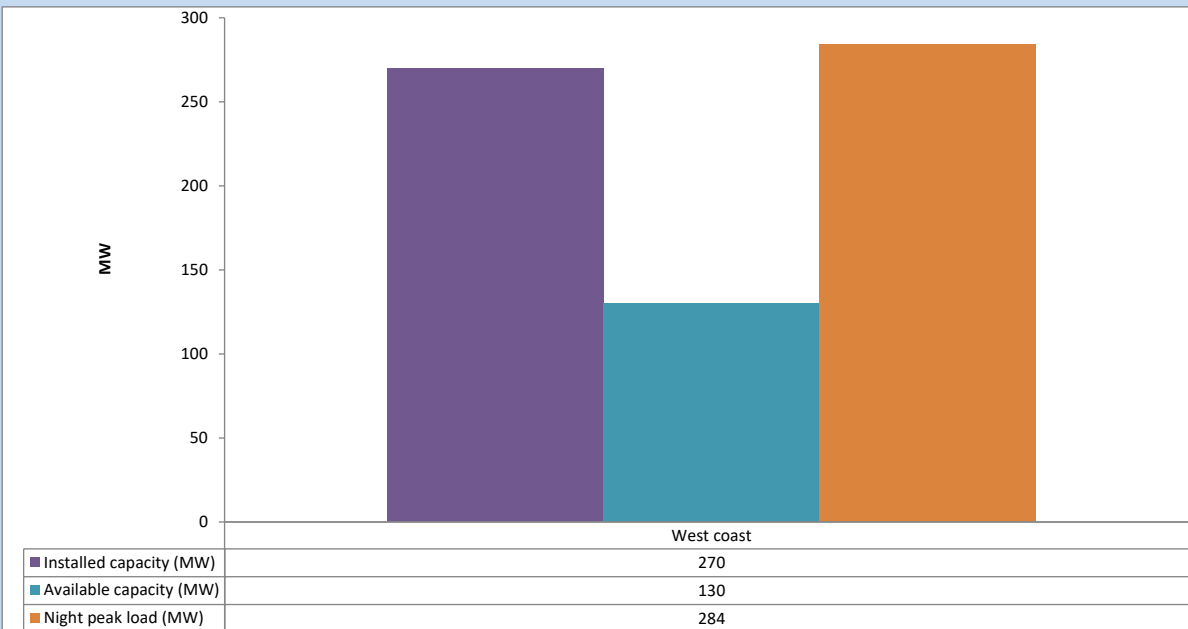
July 29, 2023



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

July 30, 2023

6. IPP owned Thermal Plant Loading at the Night Peak

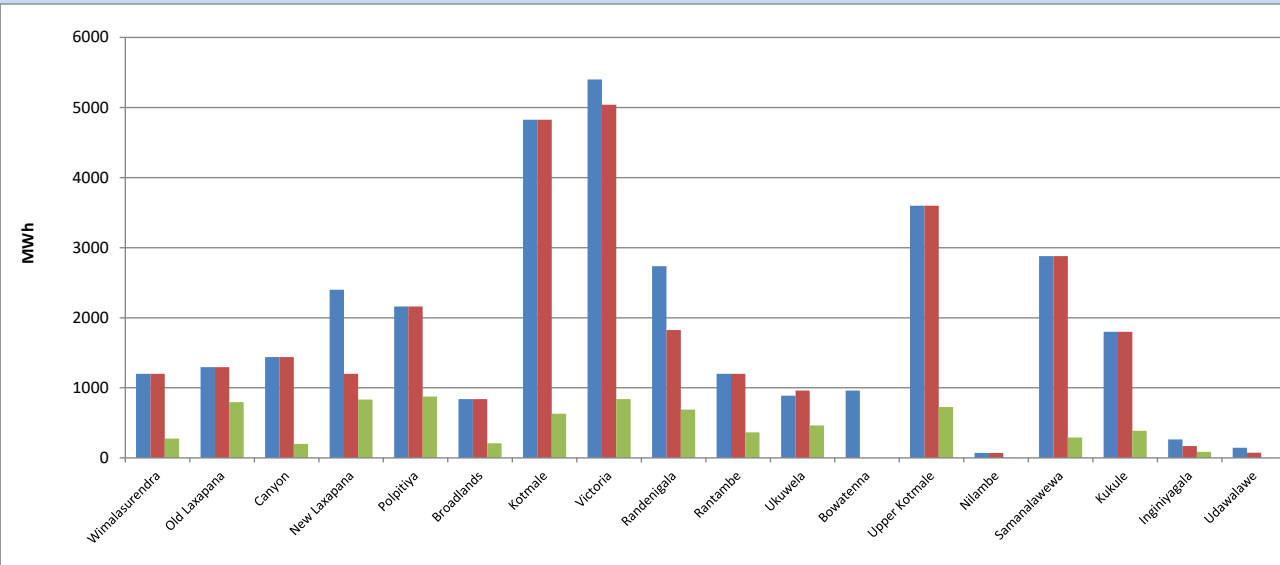


Plant availability is recorded at 6.00 am on

July 30, 2023

7. Major Hydro Plant Dispatch

July 29, 2023

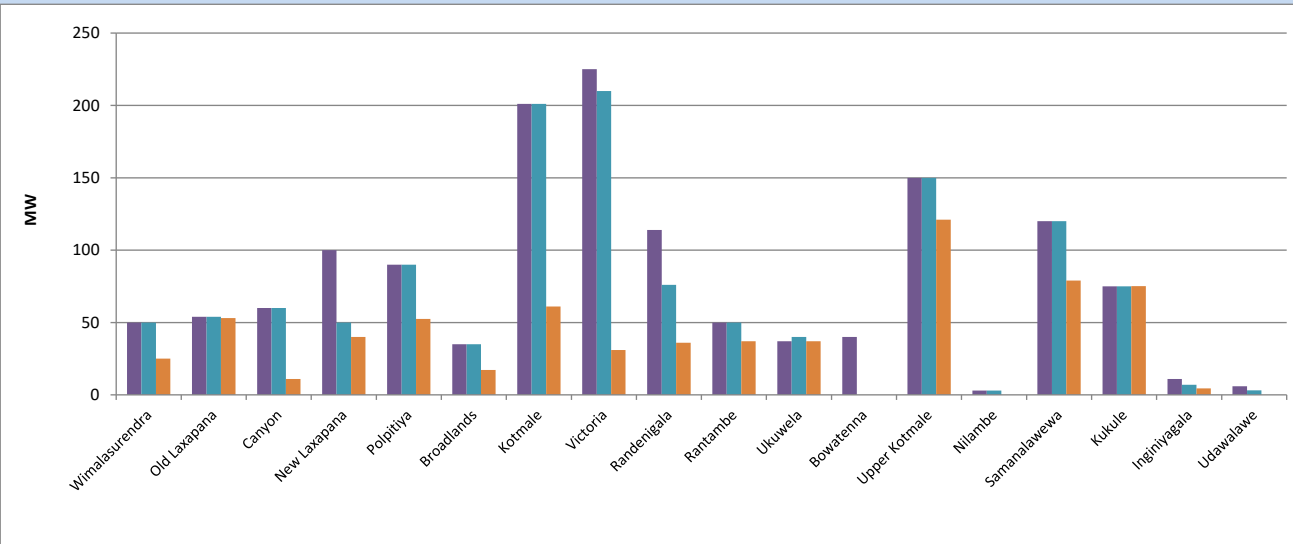


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

July 30, 2023

8. Major Hydro Plant Loading at Night Peak

July 29, 2023



Plant availability is recorded at 6.00 am on
Broadlands power plant is operating in the Commissioning Stage

July 30, 2023

9. Summary of Major Plant performance

Table 04

| Plant | Installed Capacity | Plant Availability | Night peak Load | Plant Dispatch |
|-------------------|--------------------|--------------------|-----------------|----------------|
| | (MW) | (MW) | (MW) | (MWh) |
| Wimalasurendra | 50 | 50 | 25 | 277 |
| Old Laxapana | 54 | 54 | 53 | 797 |
| Canyon | 60 | 60 | 11 | 201 |
| New Laxapana | 100 | 50 | 40 | 834 |
| Polpitiya | 90 | 90 | 52 | 875 |
| Broadlands | 35 | 35 | 17 | 208 |
| Kotmale | 201 | 201 | 61 | 630 |
| Victoria | 225 | 210 | 31 | 839 |
| Randenigala | 114 | 76 | 36 | 690 |
| Rantambe | 50 | 50 | 37 | 364 |
| Ukuwela | 37 | 40 | 37 | 464 |
| Bowatenna | 40 | 0 | 0 | 0 |
| Upper Kotmale | 150 | 150 | 121 | 725 |
| Nilambe | 3 | 3 | 0 | 2 |
| Samanalawewa | 120 | 120 | 79 | 291 |
| Kukule | 75 | 75 | 75 | 387 |
| Inginiyagala | 11 | 7 | 4 | 86 |
| Udawalawe | 6 | 3 | 0 | 0 |
| Puttalam Coal I | 270 | 270 | 269 | 6,286 |
| Puttalam Coal II | 270 | 270 | 271 | 6,477 |
| Puttalam Coal III | 270 | 0 | 0 | 277 |
| KPS Small GTs | 64 | 0 | 0 | 0 |
| KPS GT 7 | 115 | 115 | 0 | 0 |
| KCCP | 161 | 153 | 149 | 3,569 |
| Sapugaskanda A | 70 | 50 | 50 | 1,041 |
| Sapugaskanda B | 70 | 54 | 54 | 1,247 |
| Uthura Janani | 26 | 24 | 23 | 441 |
| Barge CEB | 60 | 45 | 61 | 1,144 |
| CEB-Hambantota | 30 | 18 | 18 | 330 |
| CEB-Mathugama | 20 | 13 | 13 | 212 |
| ACE Matara | 24 | 0 | 0 | 0 |
| Asia Power | 50 | 0 | 0 | 0 |
| KCCPS -2 | 163 | 155 | 155 | 1,024 |
| West Coast | 270 | 130 | 284 | 6,456 |
| Nothern Power | 36 | 0 | 0 | 0 |
| ACE Embilipitiya | 93 | 0 | 0 | 0 |
| Total | 3,483 | 2,571 | 2,169 | 39,550 |

Plant availability is the availability recorded at 6 am on

July 30, 2023

10. Contribution to the Night Peak in MW

July 29, 2023

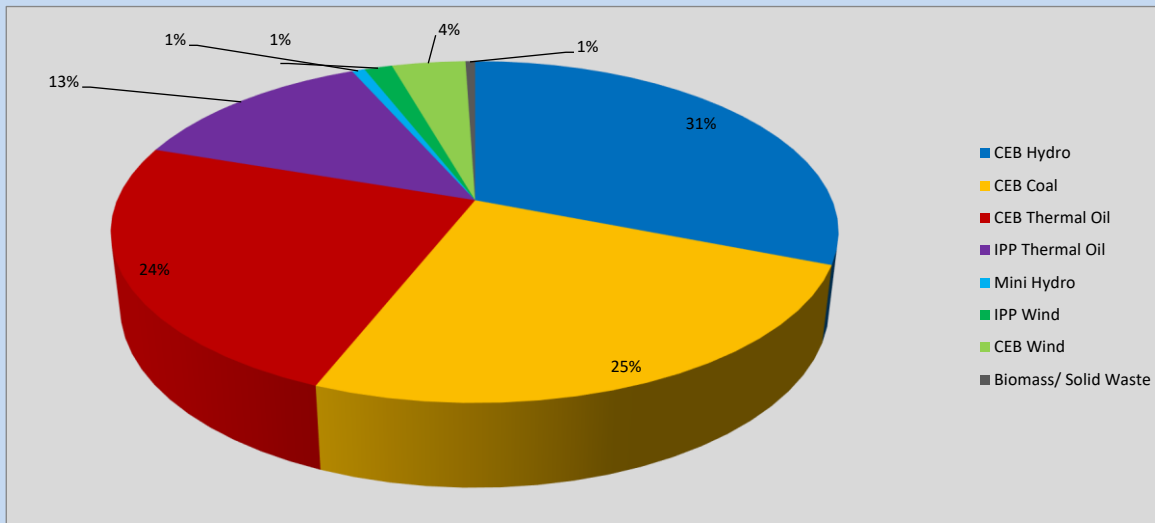


Table 05

| | | |
|--------------------------|------|----|
| CEB Hydro | 668 | MW |
| CEB Coal | 540 | MW |
| CEB Thermal Oil | 523 | MW |
| IPP Thermal Oil | 284 | MW |
| Mini Hydro (Telemetered) | 15 | MW |
| IPP Wind | 32.1 | MW |
| CEB Wind | 84.4 | MW |
| Biomass/ Solid Waste | 11 | MW |

Recorded Peak Demand Data

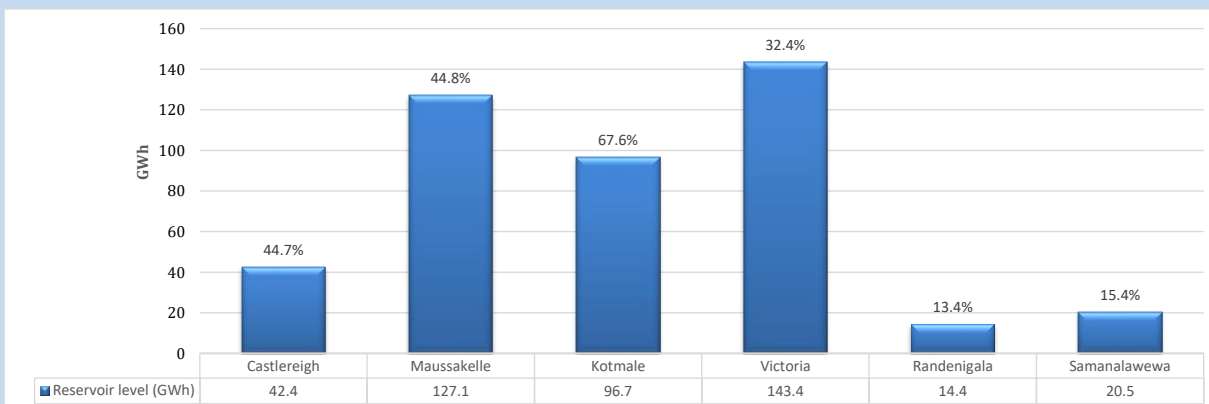
Table 06

| | | |
|-------------------------|-------|----|
| Night Peak* | 2,157 | MW |
| Day Peak Maximum Demand | 1,662 | MW |
| Day Peak Minimum Demand | 1,467 | MW |
| Off Peak Minimum Demand | 1,351 | MW |

Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

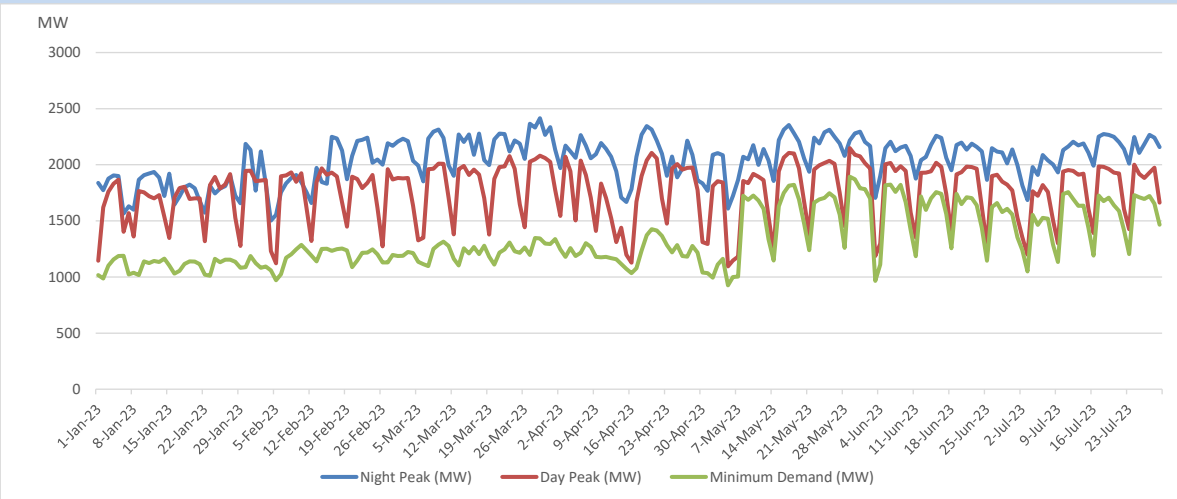
Reservoir Levels -

as at 06.00 Hr on July 30, 2023



Total Reservoir Level 444.5 GWh
 % of Total capacity 36.9%

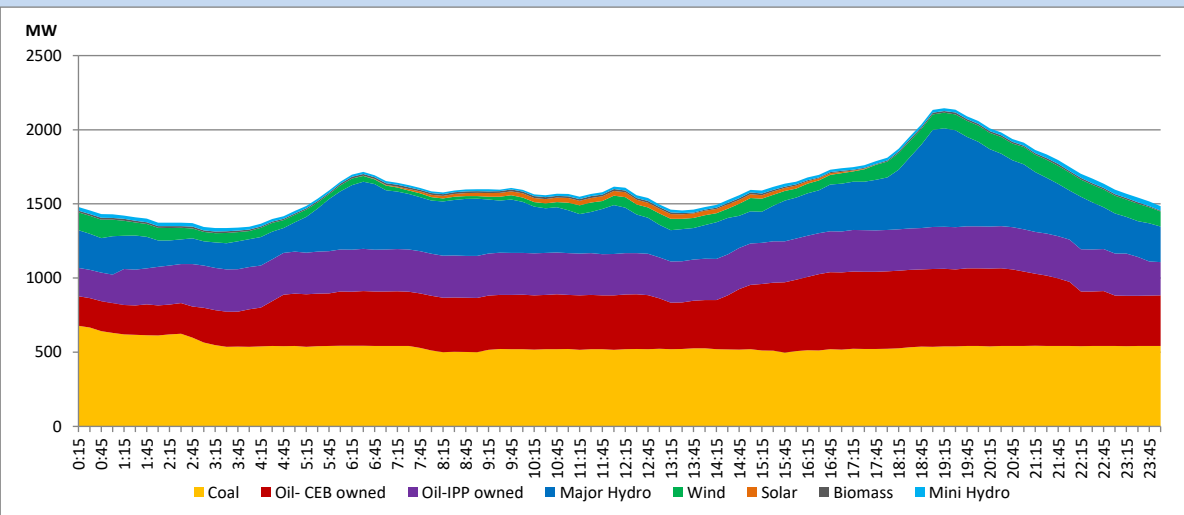
13. Variation of Demand during the current year



The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

14. Daily Load Curve

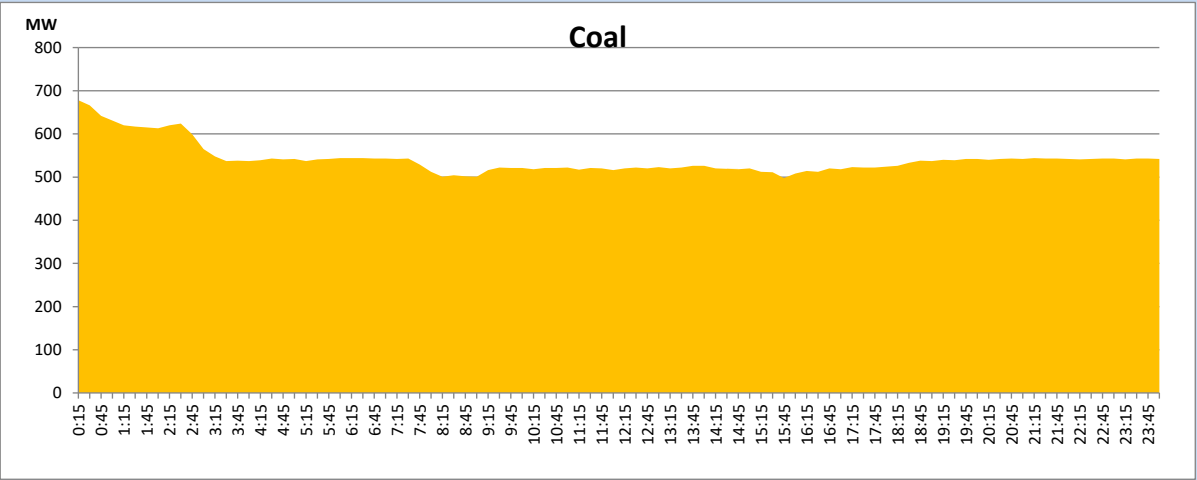
July 29, 2023



Solar and wind data is based on Telemetered Power Stations only

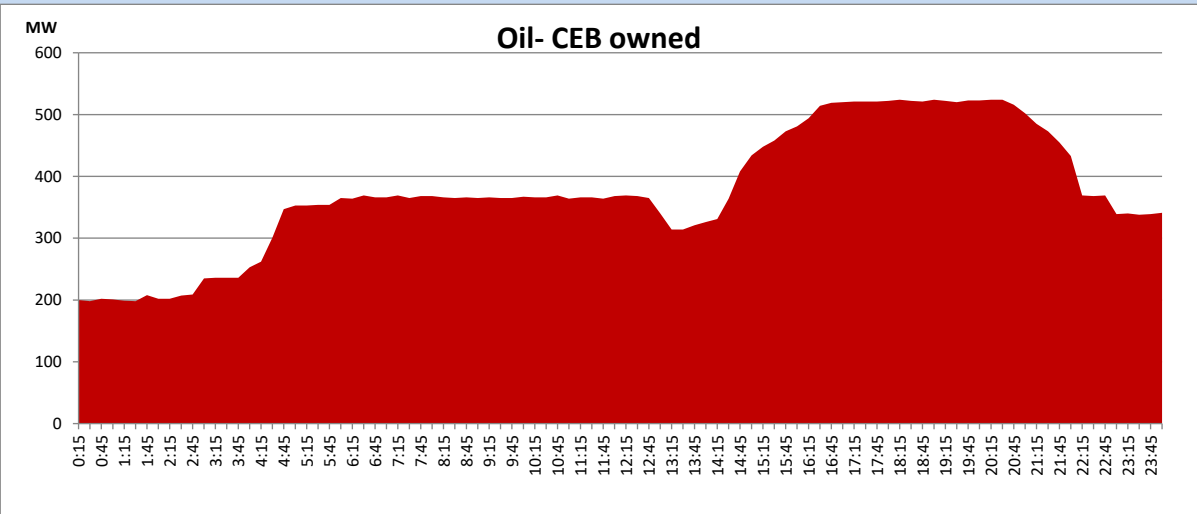
Coal Generation during

July 29, 2023



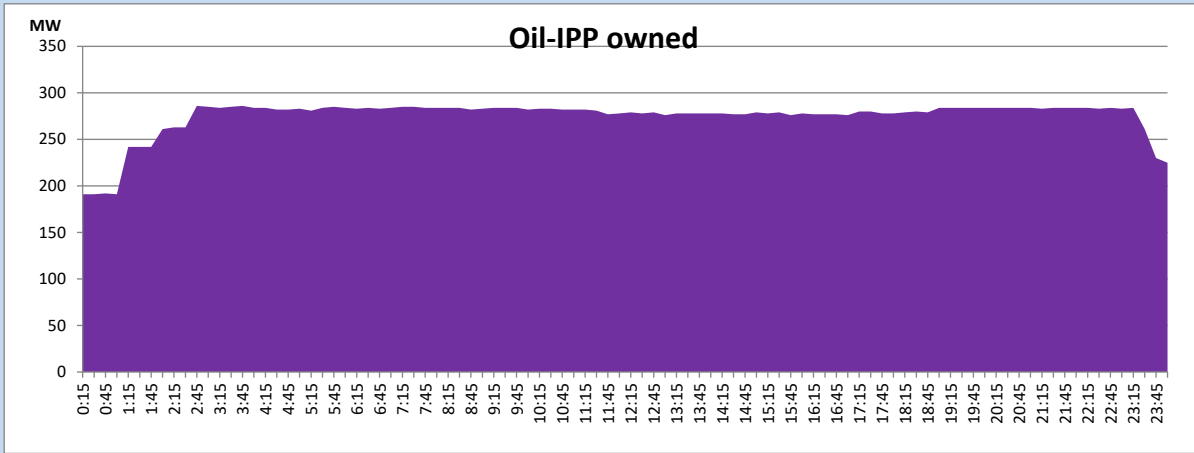
CEB Oil Plant Generation during

July 29, 2023



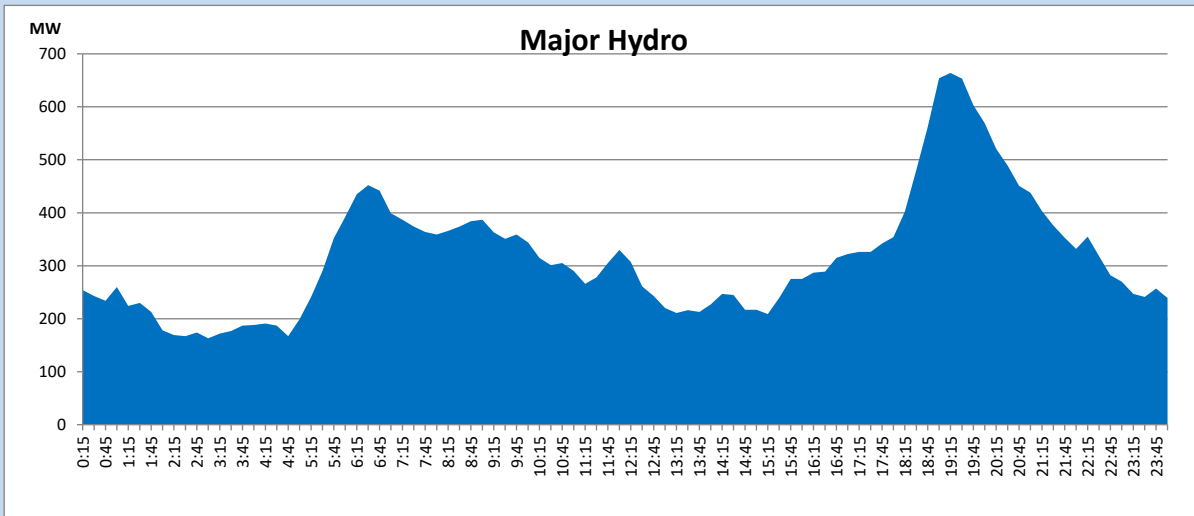
IPP Oil Plant Generation during

July 29, 2023



Major Hydro Generation during

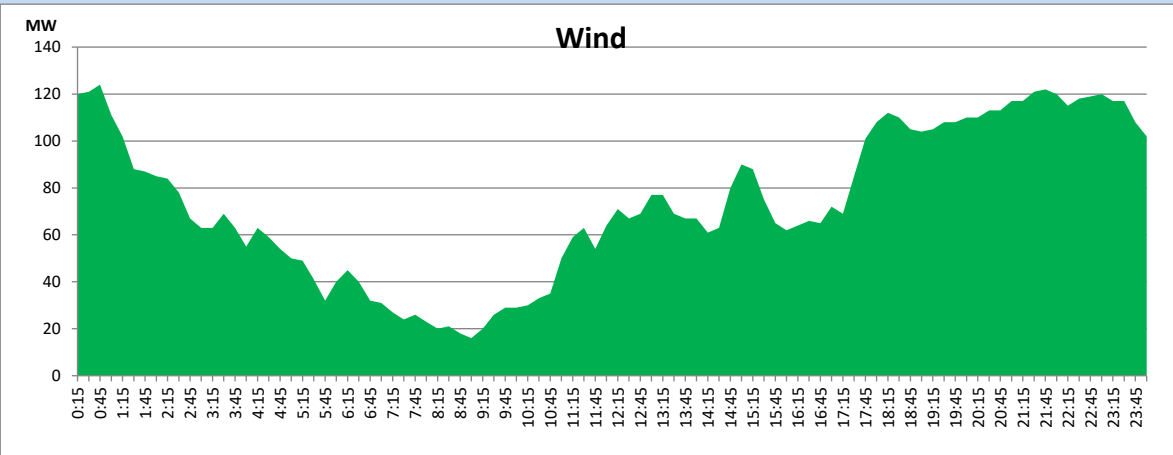
July 29, 2023



Wind Generation during

July 29, 2023

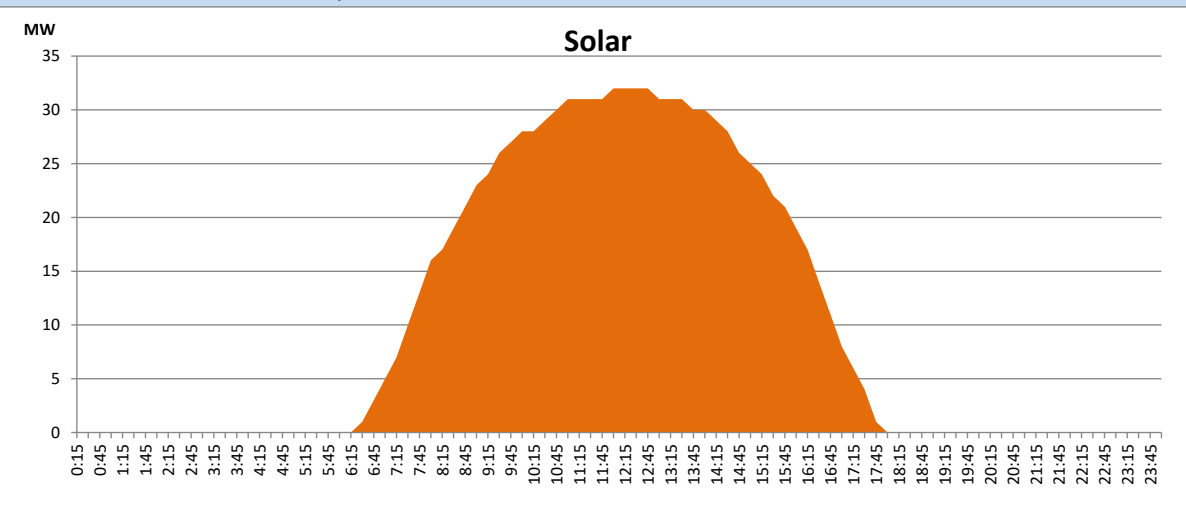
Based on Telemetered Power Stations only



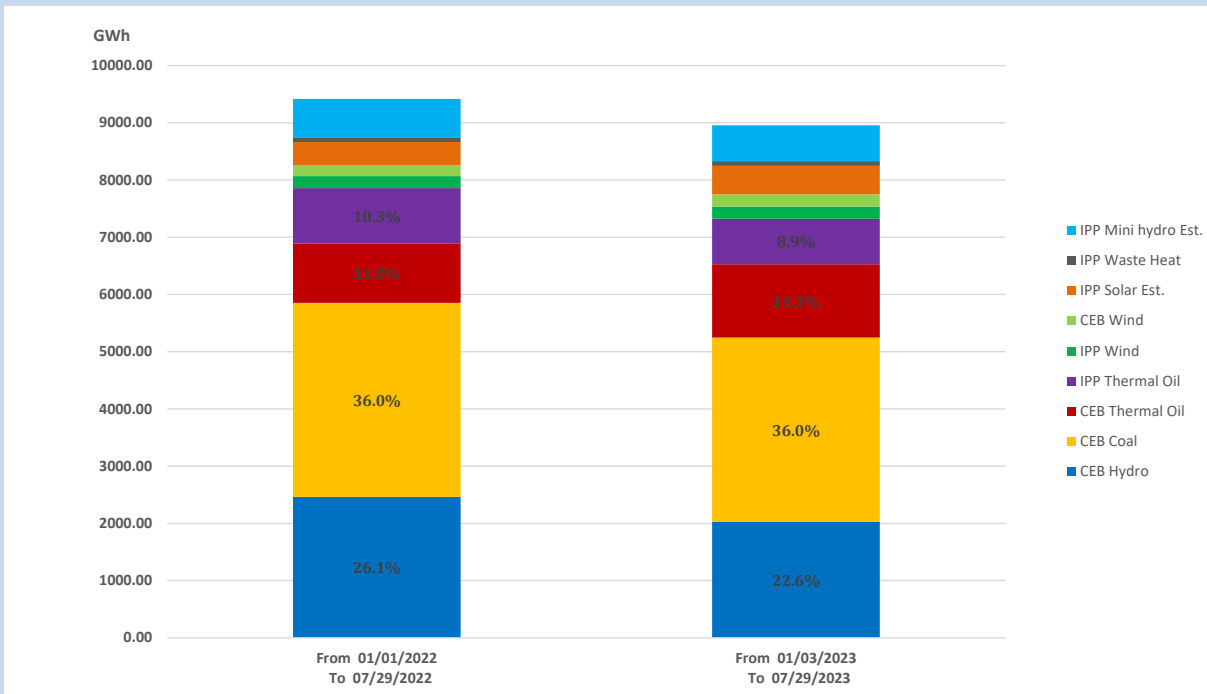
Solar Generation during

July 29, 2023

Based on Telemetered Power Stations only



15. Cumulative Dispatch Comparison with Last Year



Cumulative dispatch

From 01/01/2022 To 07/29/2022

9417 GWh

From 01/01/2023 To 07/29/2023

8903 GWh

The above figures are including contribution from roof top solar, non telemetered solar and mini hydro plants

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 | Naphtha or Diesel |
| Lakvijaya 1 | Coal |
| Lakvijaya 2 | Coal |
| Lakvijaya 3 | Coal |
| Uthuru Janani | Heavy Fuel |
| Barge CEB | Heavy Fuel |
| KCCPS -2 | Auto Diesel |

| Power Station | Primary Fuel |
|------------------------|--------------------------|
| Private Thermal | |
| West Coast | Auto Diesel / Heavy Fuel |

Major Incidents reported during the day

July 29, 2023

1) New Anuradhapura – Trinco 132kV cct tripped from both ends at 13:44hrs due to the operation of differential protection. Meanwhile, New Anuradhapura – Kappalthurei 132kV cct tripped and A/R from Kappalthurei end only at 14:07hrs due to the operation of differential protection. New Anuradhapura – Trinco 132kV cct was normalized at 14:11hrs, and this cct tripped again and A/R from both ends at 14:20hrs due to the operation of differential protection.