



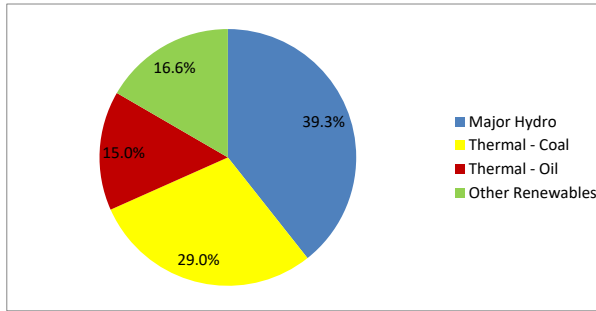
Daily Electricity Generation & Cost Estimation Report

24th December 2024



Daily Generation Mix - 24th December 2024

| Plant Type | Generation (GWh) | Percentage |
|------------------------------|------------------|------------|
| Major Hydro | 17.68 | 39.3% |
| Thermal - Coal | 13.02 | 29.0% |
| Thermal - Furnace Oil | 2.65 | 5.9% |
| Thermal - Diesel | 0.43 | 1.0% |
| Thermal - Naphtha | 3.67 | 8.2% |
| Wind - CEB | 0.03 | 0.1% |
| Wind - IPP | 0.03 | 0.1% |
| Solar - IPP - Ground Mounted | 0.73 | 1.6% |
| Solar - Roof Top | 2.76 | 6.1% |
| Mini Hydro | 3.65 | 8.1% |
| Municipal Solid Waste | 0.29 | 0.6% |
| Total | 44.92 | |



Note – Estimated generation from roof top solar, non-telemetered solar and mini hydro plants has been included in the above figures

Estimated Generation Cost : 24th December 2024

| Plant Type | Energy Cost (Mn LKR) | Non Fuel Energy Cost (Mn LKR) | Capacity Cost (Mn LKR) | Total Cost of Generation (Mn LKR) | Energy Cost per Unit (LKR/kWh) | Non fuel Energy Cost per Unit (LKR/kWh) | Capacity Charge per Unit (LKR/kWh) | Cost of Electricity per Unit (LKR/kWh) |
|------------------------------|-----------------------|--------------------------------|-------------------------|------------------------------------|--------------------------------|---|------------------------------------|--|
| Major Hydro | 0.0 | 0.0 | 38.2 | 38.2 | 0.00 | 0.00 | 2.16 | 2.16 |
| Thermal - Coal | 254.3 | 27.5 | 45.0 | 326.8 | 19.53 | 2.11 | 3.46 | 25.10 |
| Thermal - Furnace Oil | 117.9 | 9.4 | 51.7 | 178.9 | 44.46 | 3.54 | 19.49 | 67.49 |
| Thermal - Diesel | 27.1 | 1.5 | 19.8 | 48.3 | 63.16 | 3.38 | 46.05 | 112.59 |
| Thermal - Naphtha | 164.3 | 1.9 | 3.3 | 169.5 | 44.74 | 0.52 | 0.89 | 46.15 |
| Wind - CEB | 0.0 | 0.0 | 20.9 | 20.9 | 0.00 | 0.00 | 835.14 | 835.14 |
| Wind - IPP | 0.4 | 0.0 | 0.0 | 0.4 | 15.32 | 0.00 | 0.00 | 15.32 |
| Solar - IPP - Ground Mounted | 14.0 | 0.0 | 0.0 | 14.0 | 19.28 | 0.00 | 0.00 | 19.28 |
| Solar - Roof Top | 68.8 | 0.0 | 0.0 | 68.8 | 24.92 | 0.00 | 0.00 | 24.92 |
| Mini Hydro | 49.2 | 0.0 | 0.0 | 49.2 | 13.47 | 0.00 | 0.00 | 13.47 |
| Municipal Solid Waste | 11.2 | 0.0 | 0.0 | 11.2 | 39.15 | 0.00 | 0.00 | 39.15 |
| Total | 707.1 | 40.2 | 178.8 | 926.1 | 15.74 | 0.89 | 3.98 | 20.62 |

Note -

Start/Stop costs has been excluded in the calculation

Capacity cost is based on the approved BST submission.

Unit Cost of Generation for the day : **20.62 LKR/kWh**
 Total Generation Cost for the day: **926.10 Mn LKR**

Fuel Prices

(as at 9th Dec 2024)

| | Price (LKR/Liter or LKR/kg) |
|-------------|-----------------------------|
| Furnace | 199.00 |
| Coal | 47.57 |
| Naphtha | 166.00 |
| Auto Diesel | 286.00 |

Scheduled (Day Ahead) Generation Mix - 24th Dec 2024 (Excluding generation from non telemetered power plants)

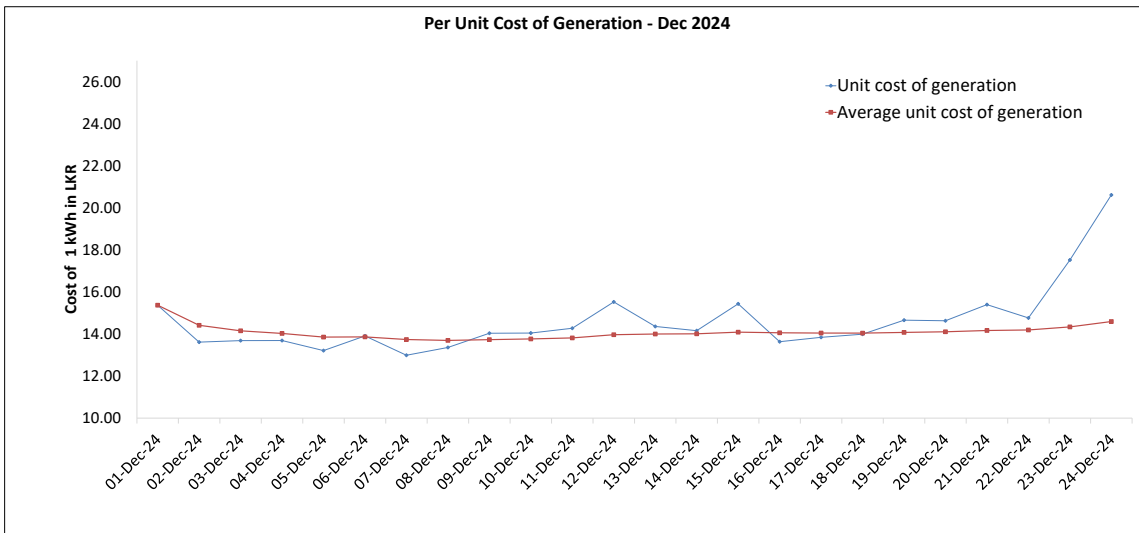
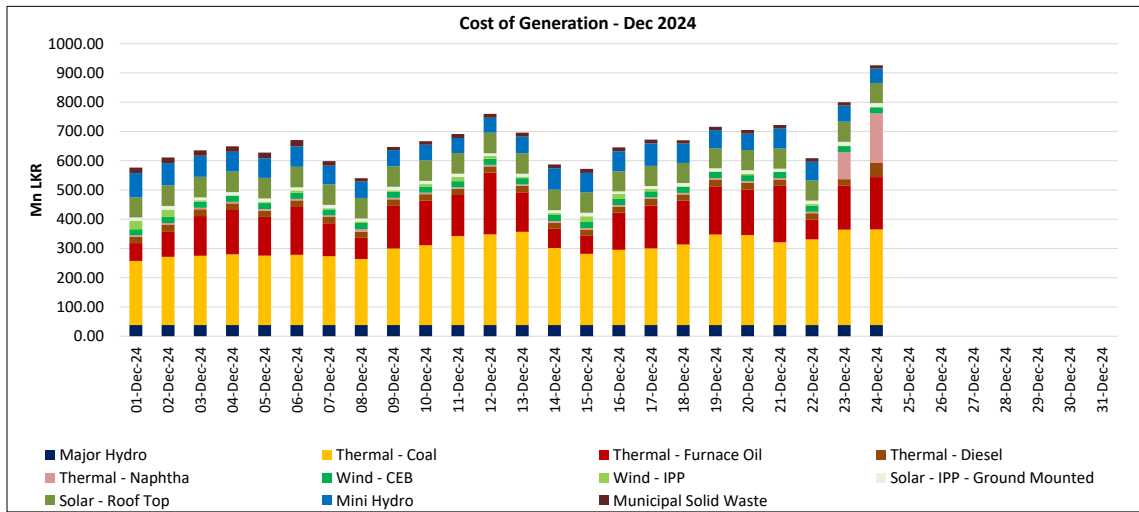
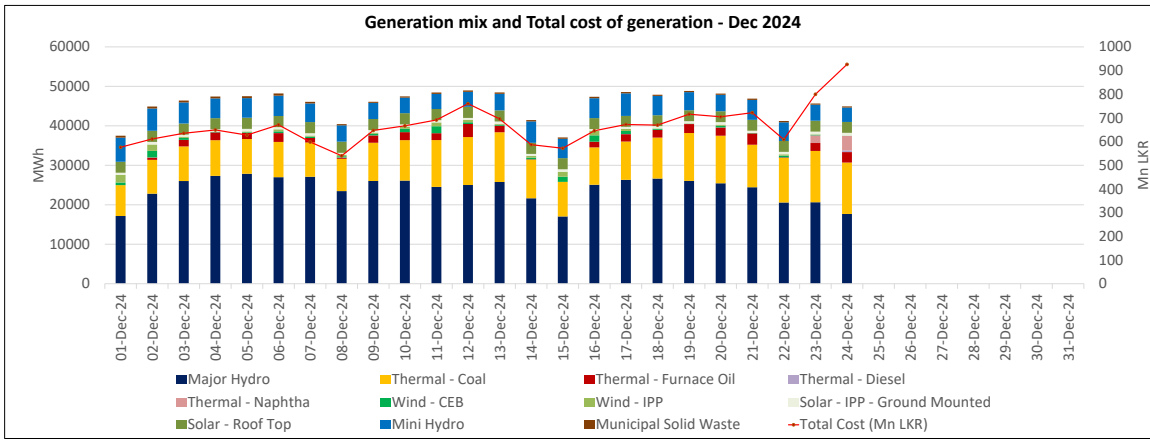
| Plant Type | Generation (GWh) | Percentage |
|-----------------------|------------------|------------|
| Major Hydro | 19.6 | 44% |
| Thermal - Coal | 13.0 | 29% |
| Thermal - Furnace Oil | 3.7 | 8% |
| Thermal - Diesel | 0.0 | 0% |
| Thermal - Naphtha | 3.6 | 8% |
| Wind - CEB | | |
| Wind - IPP | 0.2 | 0% |
| BMP | 0.3 | 1% |
| Solar | 0.5 | 1% |
| Mini Hydro | 4.2 | 9% |
| Total | 45.10 | |

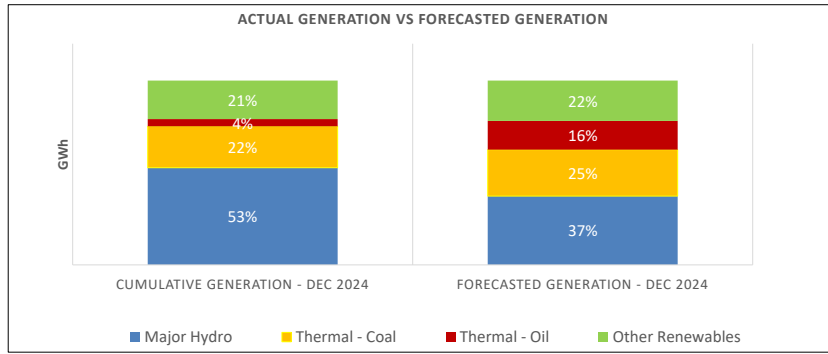
Actual Generation Mix - 24th Dec 2024 (Excluding generation from non telemetered power plants)

| Plant Type | Generation (GWh) | Percentage |
|-----------------------|------------------|------------|
| Major Hydro | 17.7 | 42% |
| Thermal - Coal | 13.0 | 31% |
| Thermal - Furnace Oil | 2.7 | 6% |
| Thermal - Diesel | 0.4 | 1% |
| Thermal - Naphtha | 3.7 | 9% |
| Wind - CEB | 0.0 | 0% |
| Wind - IPP | 0.0 | 0% |
| BMP | 0.3 | 0.7% |
| Solar | 0.7 | 2% |
| Mini Hydro | 3.4 | 8% |
| Total | 41.96 | |

Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **876 Mn LKR**

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **855 Mn LKR**





| | Cumulative Generation - Dec 2024 [GWh] | Forecasted Generation - Dec 2024 [GWh] |
|------------------|---|---|
| Major Hydro | 578 | 520 |
| Thermal - Coal | 246 | 351 |
| Thermal - Oil | 44 | 218 |
| Other Renewables | 229 | 305 |
| Total | 1,096 | 1,394 |

Forecasted Generation - SDDP Dec 2024

Estimated Cost of Generation - Dec 2024 (Mn LKR)

| | | |
|------------------------------|---------------|---------------|
| Major Hydro | 917 | Mn LKR |
| Thermal - Coal | 6,483 | Mn LKR |
| Thermal - Furnace Oil | 3,160 | Mn LKR |
| Thermal - Diesel | 554 | Mn LKR |
| Thermal - Naphtha | 379 | Mn LKR |
| Wind - CEB | 501 | Mn LKR |
| Wind - IPP | 190 | Mn LKR |
| Solar - IPP - Ground Mounted | 268 | Mn LKR |
| Solar - Roof Top | 1,672 | Mn LKR |
| Mini Hydro | 1,525 | Mn LKR |
| Municipal Solid Waste | 344 | Mn LKR |
| Total Generation Cost | 15,993 | Mn LKR |

Generation Energy Cost (Dec) 10,736 Mn LKR

*Generation Capacity Cost (Dec) 4,292 Mn LKR

Other Cost (Dec) 965 Mn LKR

Average Unit Cost of Generation (Dec) 14.60 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.