



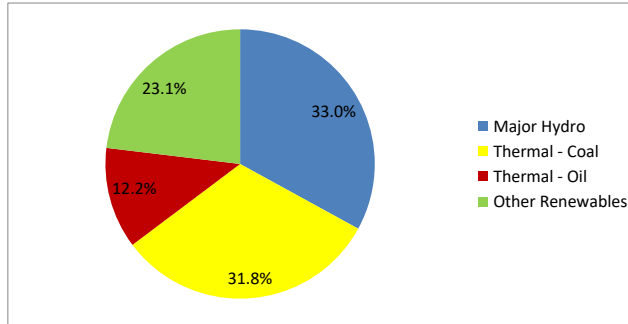
Daily Electricity Generation & Cost Estimation Report

12th October 2024



Daily Generation Mix -12th Oct 2024

| Plant Type | Generation (GWh) | Percentage |
|------------------------------|------------------|------------|
| Major Hydro | 13.19 | 33.0% |
| Thermal - Coal | 12.71 | 31.8% |
| Thermal - Furnace Oil | 4.87 | 12.2% |
| Thermal - Diesel | 0.00 | 0.0% |
| Thermal - Naphtha | 0.00 | 0.0% |
| Wind - CEB | 1.25 | 3.1% |
| Wind - IPP | 0.90 | 2.2% |
| Solar - IPP - Ground Mounted | 0.57 | 1.4% |
| Solar - Roof Top | 2.42 | 6.1% |
| Mini Hydro | 3.94 | 9.9% |
| Municipal Solid Waste | 0.15 | 0.4% |
| Total | 40.00 | |



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

Estimated Generation Cost : 12th Oct 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 | 37.6 | 37.6 | 0.00 | 0.00 | 2.85 | 2.85 |
| Thermal - Coal | 230.6 | 27.5 | 44.5 | 302.6 | 18.15 | 2.16 | 3.51 | 23.81 |
| Thermal - Furnace Oil | 213.3 | 9.4 | 50.3 | 273.0 | 43.84 | 1.93 | 10.33 | 56.10 |
| Thermal - Diesel | 0.0 | 1.5 | 19.8 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 |
| Thermal - Naphtha | 0.0 | 1.9 | 3.2 | 5.1 | 0.00 | 0.00 | 0.00 | 0.00 |
| Wind - CEB | 0.0 | 0.0 | 20.9 | 20.9 | 0.00 | 0.00 | 16.63 | 16.63 |
| Wind - IPP | 14.5 | 0.0 | 0.0 | 14.5 | 16.15 | 0.00 | 0.00 | 16.15 |
| Solar - IPP - Ground Mounted | 11.1 | 0.0 | 0.0 | 11.1 | 19.58 | 0.00 | 0.00 | 19.58 |
| Solar - Roof Top | 60.3 | 0.0 | 0.0 | 60.3 | 24.92 | 0.00 | 0.00 | 24.92 |
| Mini Hydro | 53.6 | 0.0 | 0.0 | 53.6 | 13.59 | 0.00 | 0.00 | 13.59 |
| Municipal Solid Waste | 6.0 | 0.0 | 0.0 | 6.0 | 39.00 | 0.00 | 0.00 | 39.00 |
| Total | 589.4 | 40.2 | 176.2 | 805.8 | 14.73 | 1.01 | 4.41 | 20.15 |

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 : **20.15 LKR/kWh**
 Total Generation Cost for the day: **805.78 Mn LKR**

Fuel Prices

(as at 1st Oct 2024)

| | Price (LKR/Liter or LKR/kg) |
|-------------|-----------------------------|
| Furnace | 191.00 |
| Coal | 44.20 |
| Naphtha | 191.16 |
| Auto Diesel | 283.00 |

Scheduled (Day Ahead) Generation Mix - 12th Oct 2024 (Excluding generation from non telemetered power plants)

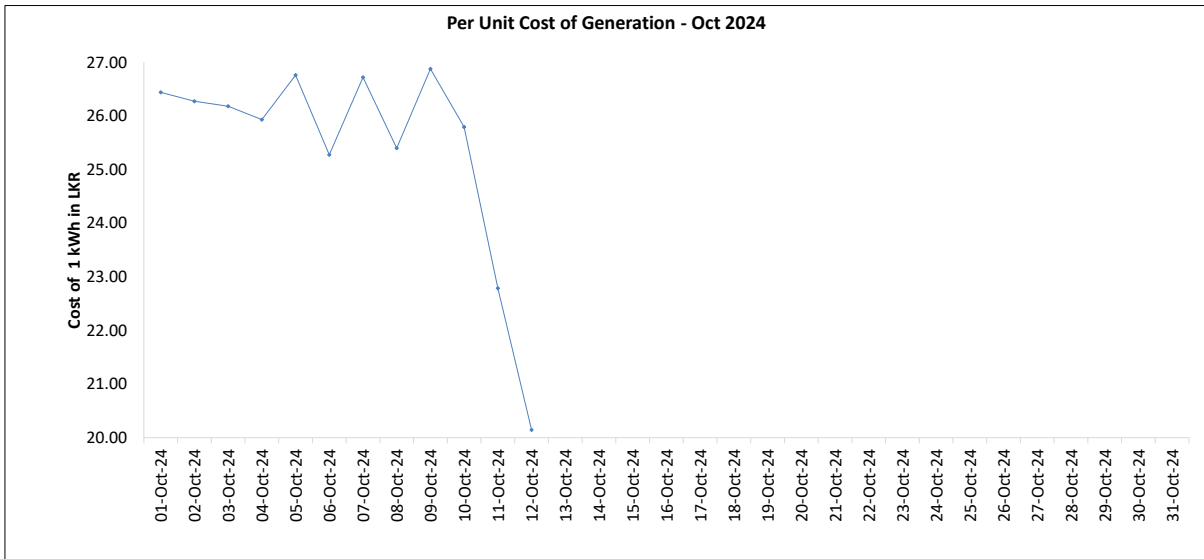
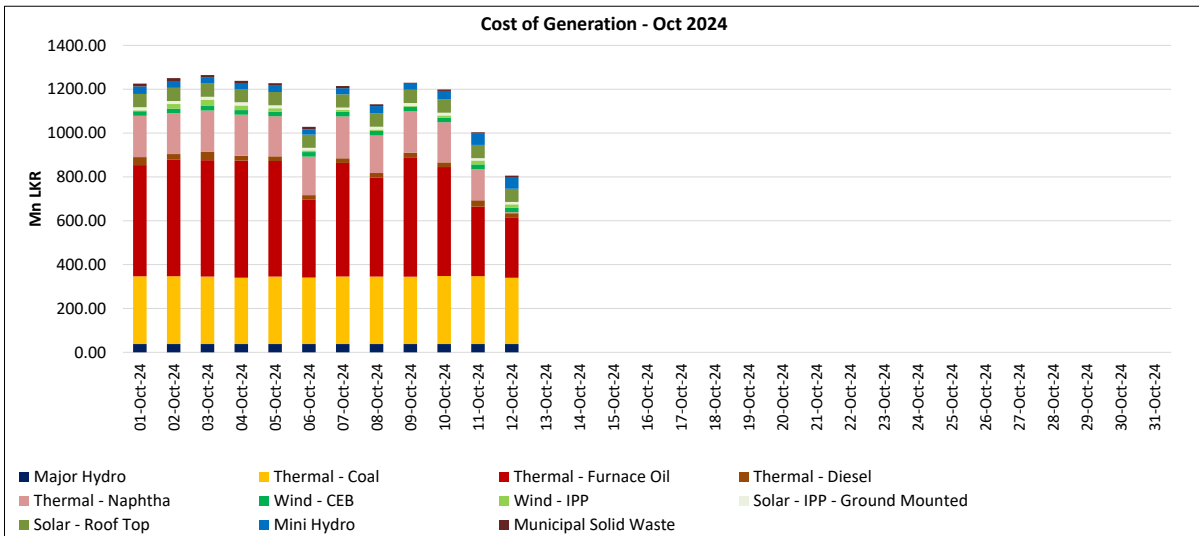
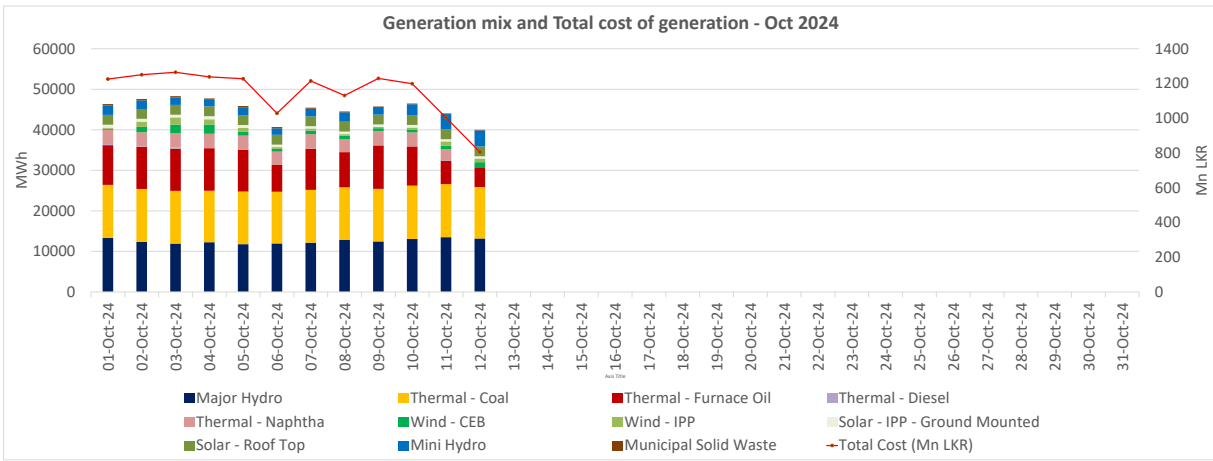
| Plant Type | Generation (GWh) | Percentage |
|-----------------------|------------------|------------|
| Major Hydro | 12.9 | 35% |
| Thermal - Coal | 12.6 | 35% |
| Thermal - Furnace Oil | 7.1 | 19% |
| Thermal - Diesel | 0.0 | 0% |
| Thermal - Naphtha | 0.0 | 0% |
| Wind - CEB | | |
| Wind - IPP | 0.9 | 3% |
| BMP | 0.1 | 1% |
| Solar | 0.9 | 2% |
| Mini Hydro | 1.9 | 5% |
| Total | 36.50 | |

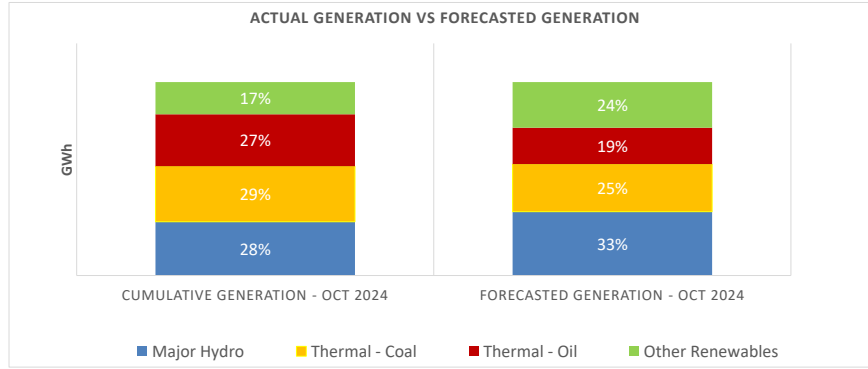
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **815.88 Mn LKR**

Actual Generation Mix - 12th Oct 2024 (Excluding generation from non telemetered power plants)

| Plant Type | Generation (GWh) | Percentage |
|-----------------------|------------------|------------|
| Major Hydro | 13.2 | 35% |
| Thermal - Coal | 12.7 | 34% |
| Thermal - Furnace Oil | 4.9 | 13% |
| Thermal - Diesel | 0.00 | 0% |
| Thermal - Naphtha | 0.0 | 0% |
| Wind - CEB | 1.3 | 3% |
| Wind - IPP | 0.9 | 2% |
| BMP | 0.2 | 0.4% |
| Solar | 0.6 | 2% |
| Mini Hydro | 3.7 | 10% |
| Total | 37.36 | |

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **739.43 Mn LKR**





| | Cumulative Generation - Oct 2024 [GWh] | Forecasted Generation - Oct 2024 [GWh] |
|------------------|-------------------------------------------|-------------------------------------------|
| Major Hydro | 151 | 470 |
| Thermal - Coal | 156 | 350 |
| Thermal - Oil | 146 | 269 |
| Other Renewables | 90 | 336 |
| Total | 543 | 1425 |

Forecasted Generation - SDDP Oct 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

| | |
|------------------------------|-------------------------|
| Major Hydro | 451.08 Mn LKR |
| Thermal - Coal | 3687.33 Mn LKR |
| Thermal - Furnace Oil | 5585.31 Mn LKR |
| Thermal - Diesel | 301.65 Mn LKR |
| Thermal - Naphtha | 1990.34 Mn LKR |
| Wind - CEB | 250.25 Mn LKR |
| Wind - IPP | 159.53 Mn LKR |
| Solar - IPP - Ground Mounted | 151.47 Mn LKR |
| Solar - Roof Top | 723.61 Mn LKR |
| Mini Hydro | 401.40 Mn LKR |
| Municipal Solid Waste | 117.01 Mn LKR |
| Total Generation Cost | 13,818.99 Mn LKR |

Generation Energy Cost (Oct) 11,222.15 Mn LKR

*Generation Capacity Cost (Oct) 2,114.43 Mn LKR

Other Cost (Oct) 482.41 Mn LKR

Average Unit Cost of Generation (Oct) 25.46 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.