



# Daily Electricity Generation & Cost Estimation Report

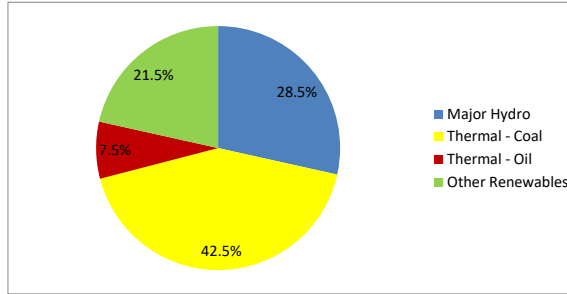


26th August 2024



**Daily Generation Mix -26th August 2024**

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.18	28.5%
Thermal - Coal	19.65	42.5%
Thermal - Furnace Oil	3.49	7.5%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	2.35	5.1%
Wind - IPP	2.39	5.2%
Solar - IPP - Ground Mounted	0.67	1.4%
Solar - Roof Top	1.92	4.1%
Mini Hydro	2.33	5.0%
Municipal Solid Waste	0.30	0.6%
<b>Total</b>	<b>46.27</b>	



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

**Estimated Generation Cost : 26th Aug 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	36.3	36.3	0.00	0.00	2.76	2.76
Thermal - Coal	383.0	27.5	41.8	452.3	19.49	1.40	2.13	23.01
Thermal - Furnace Oil	146.2	9.4	51.2	206.9	41.96	2.69	14.70	59.36
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	20.8	20.8	0.00	0.00	8.85	8.85
Wind - IPP	38.5	0.0	0.0	38.5	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	13.1	0.0	0.0	13.1	19.50	0.00	0.00	19.50
Solar - Roof Top	47.8	0.0	0.0	47.8	24.92	0.00	0.00	24.92
Mini Hydro	34.0	0.0	0.0	34.0	14.61	0.00	0.00	14.61
Municipal Solid Waste	11.6	0.0	0.0	11.6	39.30	0.00	0.00	39.30
<b>Total</b>	<b>674.3</b>	<b>40.2</b>	<b>173.2</b>	<b>887.6</b>	<b>14.57</b>	<b>0.87</b>	<b>3.74</b>	<b>19.18</b>

Note -

Start/Stop costs has been excluded in the calculation

Sobadhavi plant is currently in the testing stage; hence, generation cost has not been considered.

Capacity cost is based on the approved BST submission.

Unit Cost of Generation for the day : **19.18 LKR/kWh**  
 Total Generation Cost for the day: **887.64 Mn LKR**

**Fuel Prices**

( as at 1st June 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	181.00
Coal	47.47
Naphtha	197.60
Auto Diesel	317.00

**Scheduled (Day Ahead) Generation Mix - 26th Aug 2024 (Excluding generation from non telemetered power plants)**

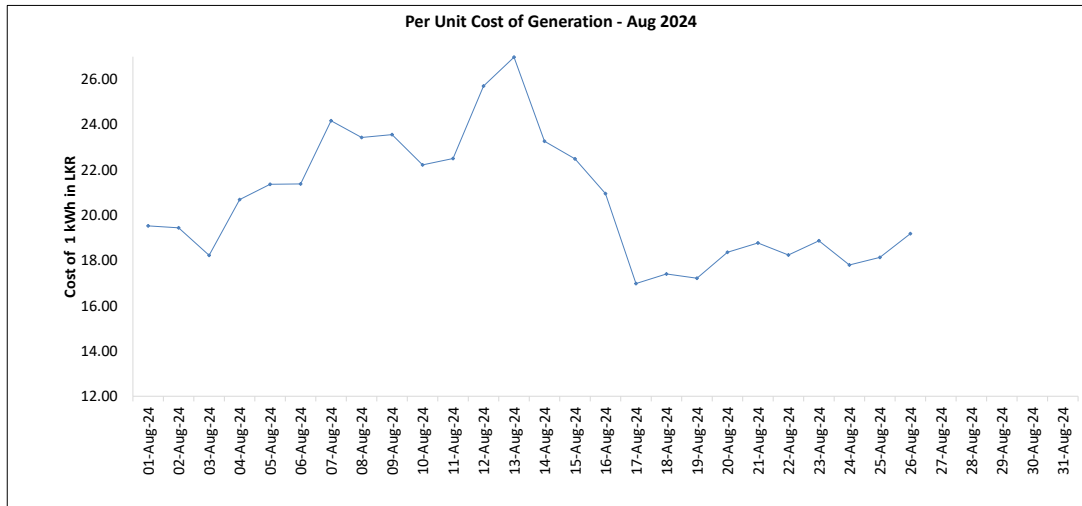
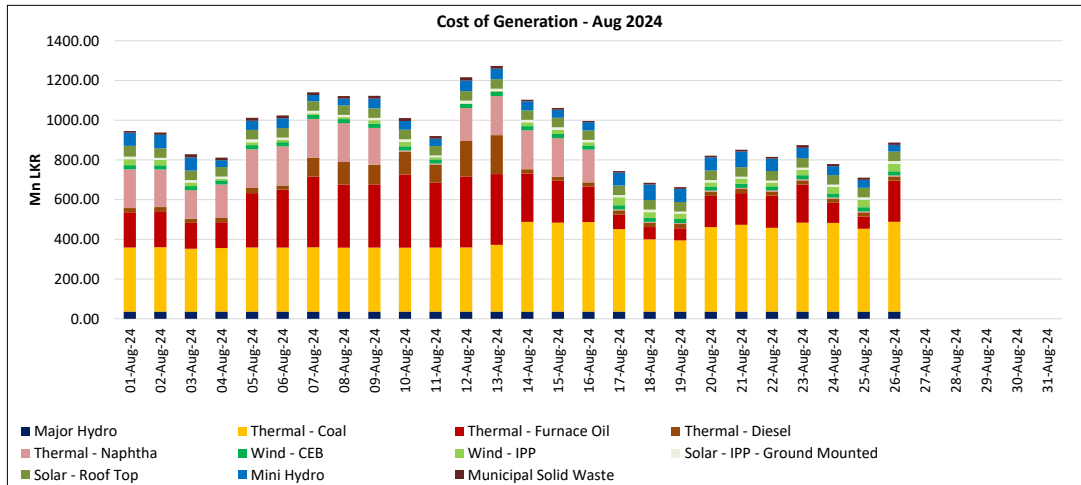
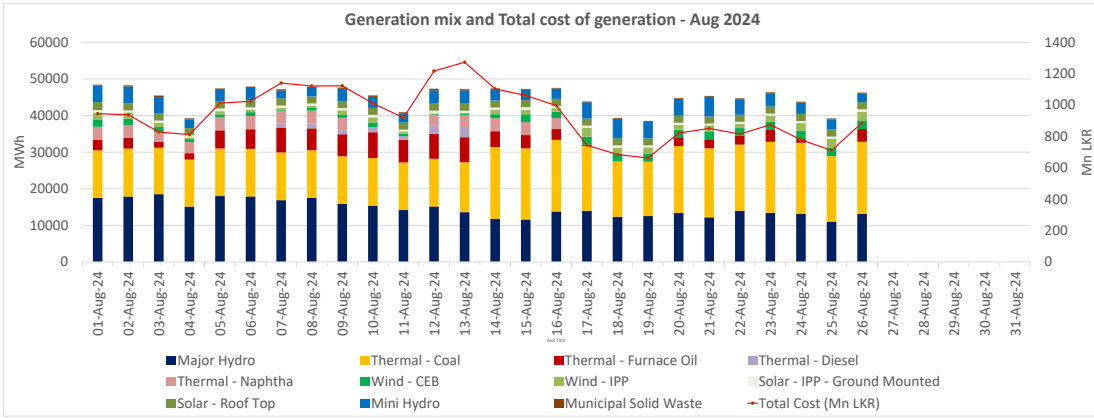
Plant Type	Generation (GWh)	Percentage
Major Hvdro	14.3	33%
Thermal - Coal	19.4	44%
Thermal - Furnace Oil	4.3	10%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB		
Wind - IPP	2.3	5%
Solar	0.5	1%
Mini Hydro	2.9	7%
<b>Total</b>	<b>43.78</b>	

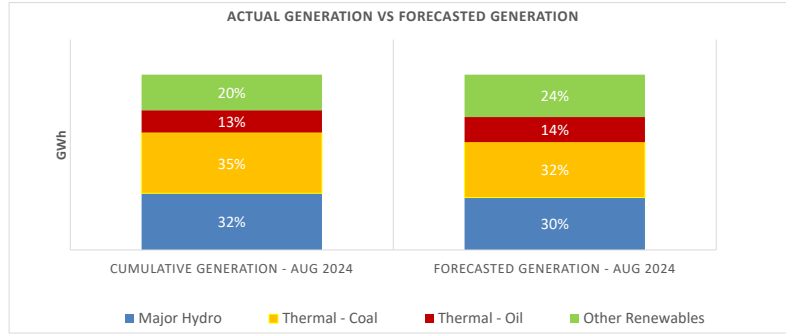
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **846.38 Mn LKR**

**Actual Generation Mix - 26th Aug 2024 (Excluding generation from non telemetered power plants)**

Plant Type	Generation (GWh)	Percentage
Major Hvdro	13.2	30%
Thermal - Coal	19.7	45%
Thermal - Furnace Oil	3.5	8%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.4	5%
Wind - IPP	2.4	5%
Solar	0.7	2%
Mini Hydro	2.2	5%
<b>Total</b>	<b>43.93</b>	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **826.24 Mn LKR**





	Cumulative Generation - Aug 2024 [GWh]	Forecasted Generation - Aug 2024 [GWh]
Major Hydro	380	433
Thermal - Coal	407	456
Thermal - Oil	149	208
Other Renewables	238	350
<b>Total</b>	<b>1175</b>	<b>1447</b>

Forecasted Generation - SDDP Aug 2024

**Estimated Cost of Generation - Aug 2024 ( Mn LKR)**

Major Hydro	944.53 Mn LKR
Thermal - Coal	9736.80 Mn LKR
Thermal - Furnace Oil	5452.65 Mn LKR
Thermal - Diesel	1299.27 Mn LKR
Thermal - Naphtha	2642.61 Mn LKR
Wind - CEB	541.51 Mn LKR
Wind - IPP	537.28 Mn LKR
Solar - IPP - Ground Mounted	310.21 Mn LKR
Solar - Roof Top	1250.12 Mn LKR
Mini Hydro	1345.74 Mn LKR
Municipal Solid Waste	299.72 Mn LKR
<b>Total Generation Cost</b>	<b>24,360.44 Mn LKR</b>

Generation Energy Cost (Aug) 18,812.42 Mn LKR

\*Generation Capacity Cost (Aug) 4,502.80 Mn LKR

Other Cost (Aug) 1,045.22 Mn LKR

Average Unit Cost of Generation (Aug) 20.74 LKR/kWh

Note -

\* Capacity cost is based on the approved BST submission.