



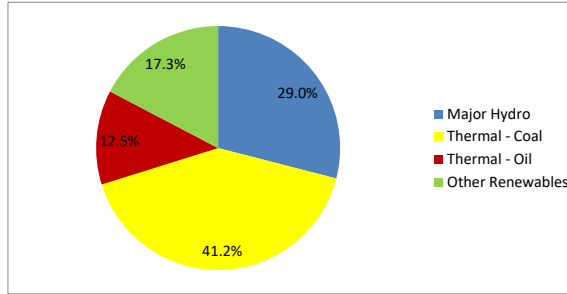
Daily Electricity Generation & Cost Estimation Report

16th August 2024



Daily Generation Mix -16th August 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.79	29.0%
Thermal - Coal	19.58	41.2%
Thermal - Furnace Oil	2.94	6.2%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.00	6.3%
Wind - CEB	1.71	3.6%
Wind - IPP	1.02	2.1%
Solar - IPP - Ground Mounted	0.61	1.3%
Solar - Roof Top	1.92	4.0%
Mini Hydro	2.83	5.9%
Municipal Solid Waste	0.16	0.3%
Total	47.56	



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

Estimated Generation Cost : 16th 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	2.63	2.63
Thermal - Coal	381.6	27.5	41.8	450.9	19.49	1.40	2.14	23.03
Thermal - Furnace Oil	117.9	9.4	51.2	178.5	40.03	3.19	17.40	60.62
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	159.9	1.9	3.2	165.0	53.25	0.64	1.06	54.96
Wind - CEB	0.0	0.0	20.8	20.8	0.00	0.00	12.22	12.22
Wind - IPP	16.4	0.0	0.0	16.4	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	11.8	0.0	0.0	11.8	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	41.3	0.0	0.0	41.3	14.61	0.00	0.00	14.61
Municipal Solid Waste	6.2	0.0	0.0	6.2	39.30	0.00	0.00	39.30
Total	783.0	40.2	173.2	996.4	16.46	0.85	3.64	20.95

Note -

Start/Stop costs has been excluded in the calculation

Sobadnavi 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 : **20.95 LKR/kWh**
 Total Generation Cost for the day: **996.37 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 - 16th Aug 2024 (Excluding generation from non telemetered power plants)

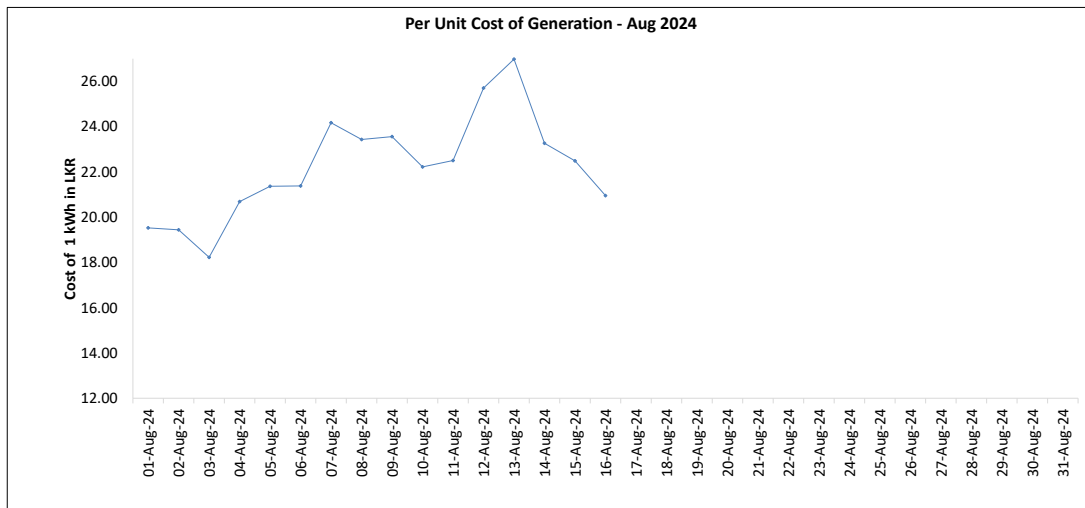
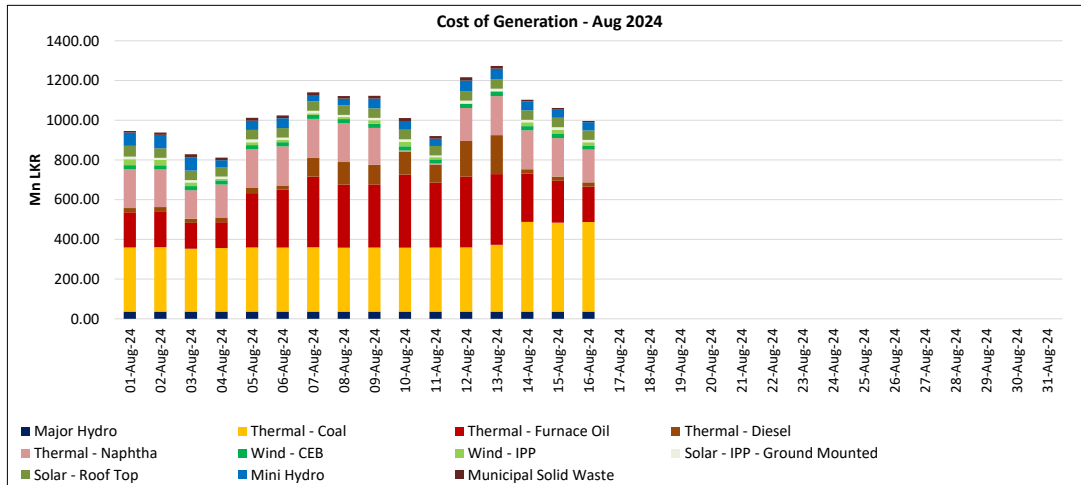
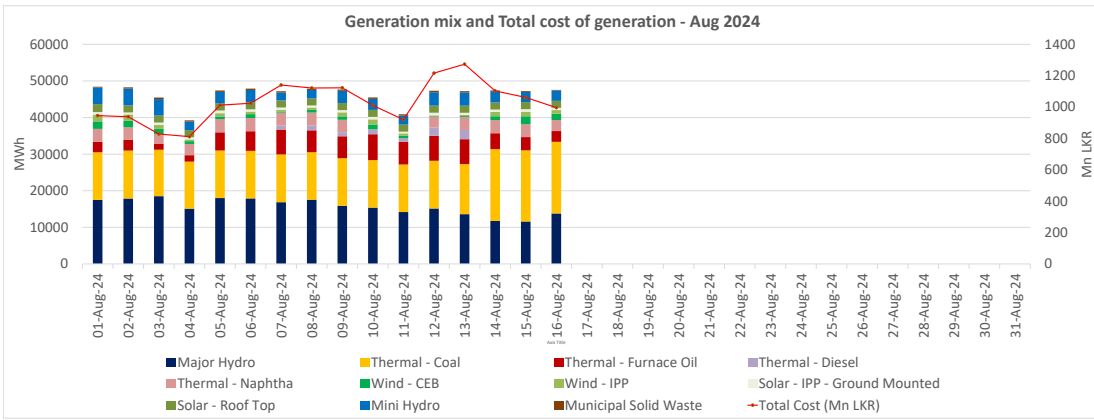
Plant Type	Generation (GWh)	Percentage
Major Hvdro	12.2	27%
Thermal - Coal	19.4	43%
Thermal - Furnace Oil	3.5	8%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB		
Wind - IPP	3.7	5%
Solar	0.6	1%
Mini Hydro	2.9	7%
Total	45.95	

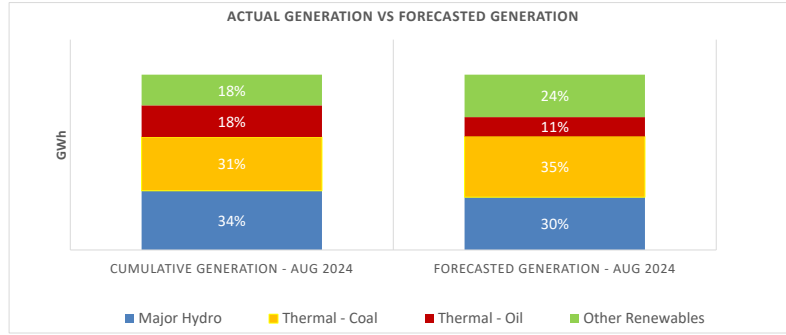
Actual Generation Mix - 16th Aug 2024 (Excluding generation from non telemeterd power plants)

Plant Type	Generation (GWh)	Percentage
Major Hvdro	13.8	30%
Thermal - Coal	19.6	43%
Thermal - Furnace Oil	2.9	6%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.0	7%
Wind - CEB	1.7	4%
Wind - IPP	1.0	2%
Solar	0.6	1%
Mini Hydro	2.7	6%
Total	45.32	

Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1001.93 Mn LKR**

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **939.93 Mn LKR**





	Cumulative Generation - Aug 2024 [GWh]	Forecasted Generation - Aug 2024 [GWh]
Major Hydro	251	436
Thermal - Coal	228	502
Thermal - Oil	134	160
Other Renewables	130	350
Total	742	1447

Forecasted Generation - SDDP JUL 2024

Estimated Cost of Generation - Aug 2024 (Mn LKR)

Major Hydro	581.25 Mn LKR
Thermal - Coal	5549.88 Mn LKR
Thermal - Furnace Oil	4218.12 Mn LKR
Thermal - Diesel	1087.18 Mn LKR
Thermal - Naphtha	2591.49 Mn LKR
Wind - CEB	333.24 Mn LKR
Wind - IPP	240.49 Mn LKR
Solar - IPP - Ground Mounted	195.51 Mn LKR
Solar - Roof Top	771.70 Mn LKR
Mini Hydro	758.13 Mn LKR
Municipal Solid Waste	200.97 Mn LKR
Total Generation Cost	16,527.96 Mn LKR

Generation Energy Cost (Aug)	13,113.79 Mn LKR
*Generation Capacity Cost (Aug)	2,770.95 Mn LKR
Other Cost (Aug)	643.21 Mn LKR

Average Unit Cost of Generation (Aug) 22.26 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.