



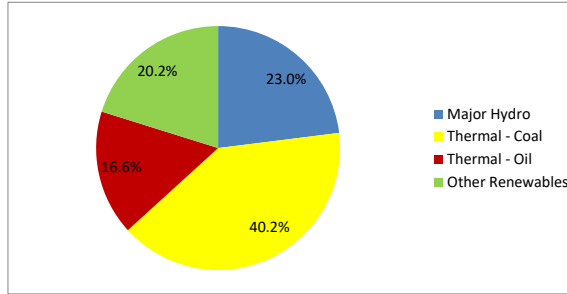
Daily Electricity Generation & Cost Estimation Report

29th August 2024



Daily Generation Mix -29th August 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.20	23.0%
Thermal - Coal	19.59	40.2%
Thermal - Furnace Oil	4.53	9.3%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.54	7.3%
Wind - CEB	2.29	4.7%
Wind - IPP	2.26	4.6%
Solar - IPP - Ground Mounted	0.68	1.4%
Solar - Roof Top	1.92	3.9%
Mini Hydro	2.48	5.1%
Municipal Solid Waste	0.19	0.4%
Total	48.67	



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

Estimated Generation Cost : 29th 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	3.24	3.24
Thermal - Coal	357.8	27.5	41.8	427.1	18.27	1.40	2.14	21.81
Thermal - Furnace Oil	190.4	9.4	51.2	251.0	42.04	2.07	11.32	55.43
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	188.5	1.9	3.2	193.6	53.25	0.54	0.90	54.70
Wind - CEB	0.0	0.0	20.8	20.8	0.00	0.00	9.09	9.09
Wind - IPP	36.5	0.0	0.0	36.5	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	13.3	0.0	0.0	13.3	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	36.2	0.0	0.0	36.2	14.61	0.00	0.00	14.61
Municipal Solid Waste	7.3	0.0	0.0	7.3	39.30	0.00	0.00	39.30
Total	877.8	40.2	173.2	1091.2	18.04	0.83	3.56	22.42

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 : **22.42 LKR/kWh**
 Total Generation Cost for the day: **1091.17 Mn LKR**

Fuel Prices

(*as at 29th Aug 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	181.00
*Coal	44.50
Naphtha	197.60
Auto Diesel	317.00

Scheduled (Day Ahead) Generation Mix - 29th Aug 2024 (Excluding generation from non telemetered power plants)

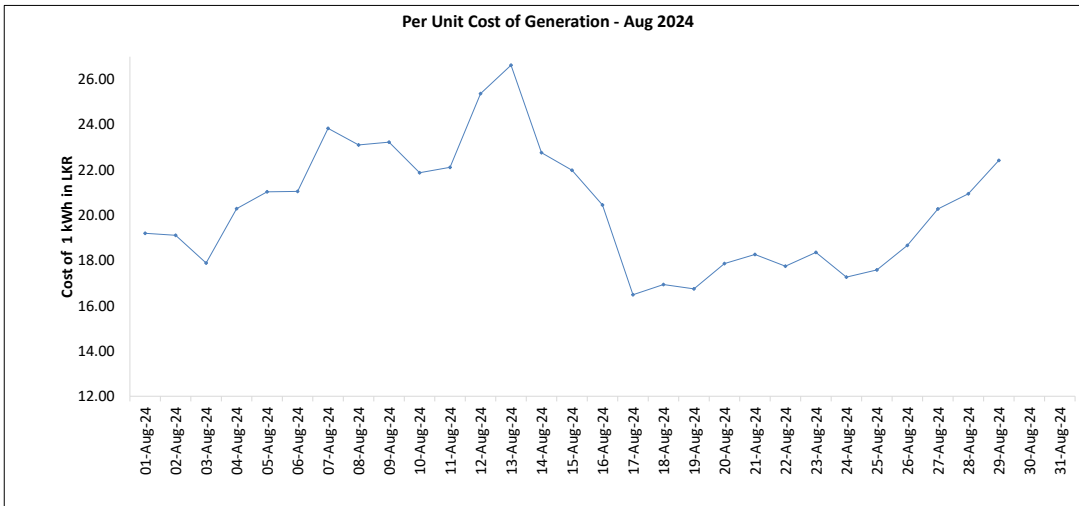
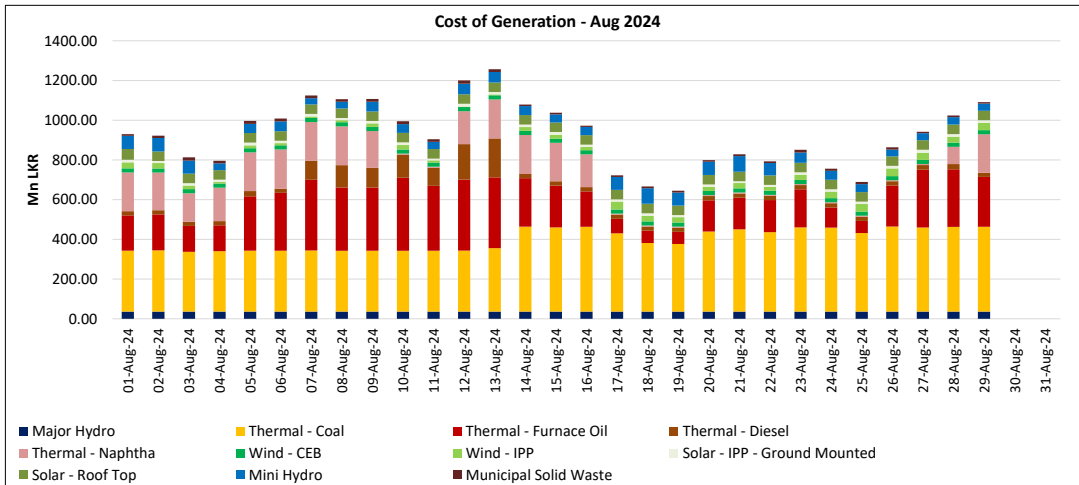
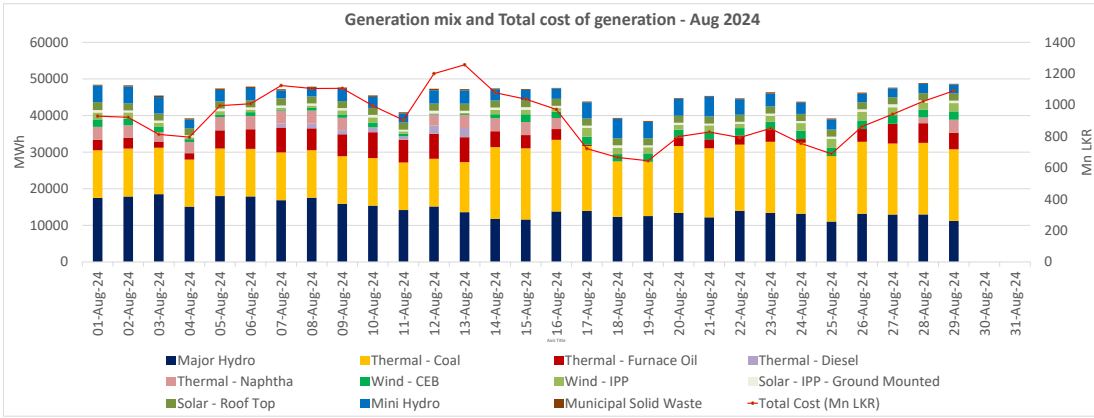
Plant Type	Generation (GWh)	Percentage
Major Hydro	11.9	26%
Thermal - Coal	19.4	43%
Thermal - Furnace Oil	4.6	10%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	3.2	7%
Wind - IPP	0.7	1%
Solar	2.0	4%
Mini Hydro	2.0	4%
Total	45.40	

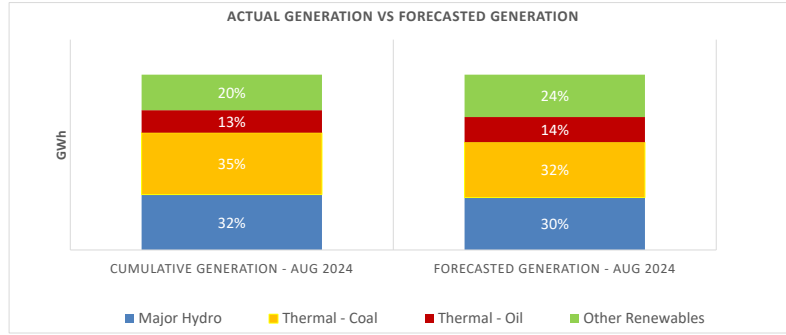
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1021.92 Mn LKR**

Actual Generation Mix - 29th Aug 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.2	24%
Thermal - Coal	19.6	43%
Thermal - Furnace Oil	4.5	10%
Thermal - Diesel	0.00	0%
Thermal - Naphtha	3.5	8%
Wind - CEB	2.3	5%
Wind - IPP	2.3	5%
Solar	0.7	1%
Mini Hydro	2.0	4%
Total	46.05	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1028.48 Mn LKR**





	Cumulative Generation - Aug 2024 [GWh]	Forecasted Generation - Aug 2024 [GWh]
Major Hydro	417	433
Thermal - Coal	466	456
Thermal - Oil	170	208
Other Renewables	267	350
Total	1320	1447

Forecasted Generation - SDDP Aug 2024

Estimated Cost of Generation - Aug 2024 (Mn LKR)

Major Hydro	1053.51 Mn LKR
Thermal - Coal	10517.37 Mn LKR
Thermal - Furnace Oil	6284.70 Mn LKR
Thermal - Diesel	1370.55 Mn LKR
Thermal - Naphtha	2928.21 Mn LKR
Wind - CEB	603.99 Mn LKR
Wind - IPP	639.27 Mn LKR
Solar - IPP - Ground Mounted	352.21 Mn LKR
Solar - Roof Top	1393.65 Mn LKR
Mini Hydro	1455.10 Mn LKR
Municipal Solid Waste	322.28 Mn LKR
Total Generation Cost	26,920.83 Mn LKR

* Adjusted total cost based on updated fuel prices

Generation Energy Cost (Aug)	20,756.29 Mn LKR
*Generation Capacity Cost (Aug)	5,022.35 Mn LKR
Other Cost (Aug)	1,165.83 Mn LKR
Average Unit Cost of Generation (Aug)	20.40 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.