



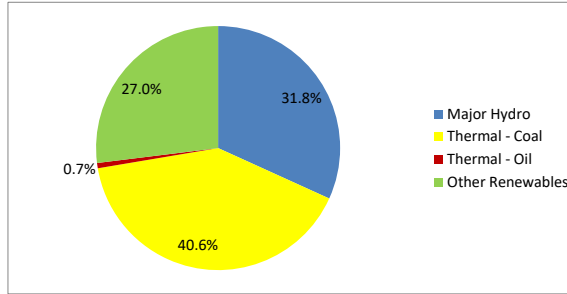
Daily Electricity Generation & Cost Estimation Report

17th August 2024



Daily Generation Mix -17th August 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.93	31.8%
Thermal - Coal	17.78	40.6%
Thermal - Furnace Oil	0.31	0.7%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	2.19	5.0%
Wind - IPP	2.47	5.6%
Solar - IPP - Ground Mounted	0.58	1.3%
Solar - Roof Top	1.92	4.4%
Mini Hydro	4.44	10.1%
Municipal Solid Waste	0.21	0.5%
Total	43.83	



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

Estimated Generation Cost : 17th 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	2.61	2.61
Thermal - Coal	346.5	27.5	41.8	415.8	19.49	1.54	2.35	23.39
Thermal - Furnace Oil	12.1	9.4	51.2	72.7	39.66	30.75	167.98	238.39
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	9.50	9.50
Wind - IPP	39.9	0.0	0.0	39.9	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	11.3	0.0	0.0	11.3	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	64.9	0.0	0.0	64.9	14.61	0.00	0.00	14.61
Municipal Solid Waste	8.2	0.0	0.0	8.2	39.30	0.00	0.00	39.30
Total	530.7	40.2	173.2	744.1	12.11	0.92	3.95	16.98

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 : **16.98 LKR/kWh**
 Total Generation Cost for the day: **744.08 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 - 17th Aug 2024 (Excluding generation from non telemetered power plants)

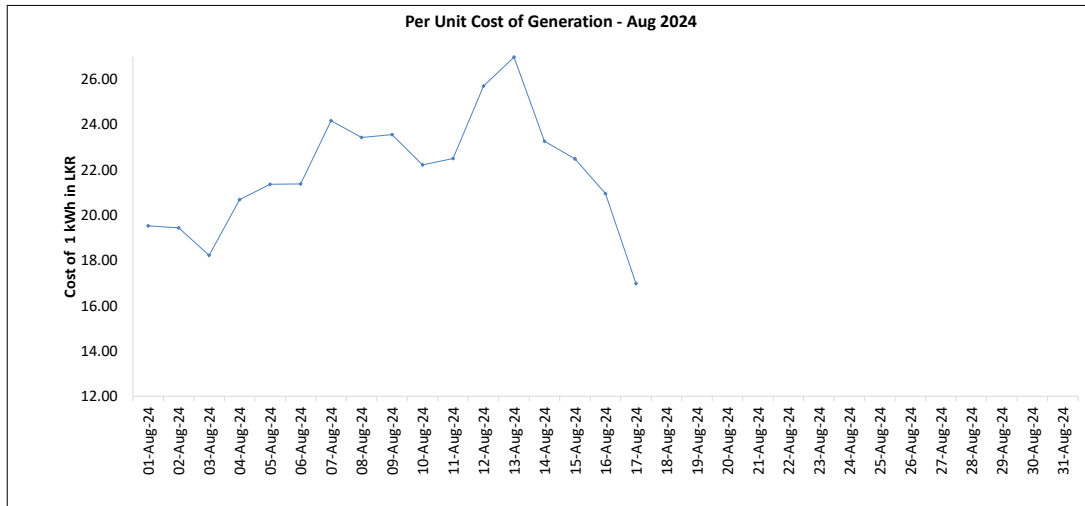
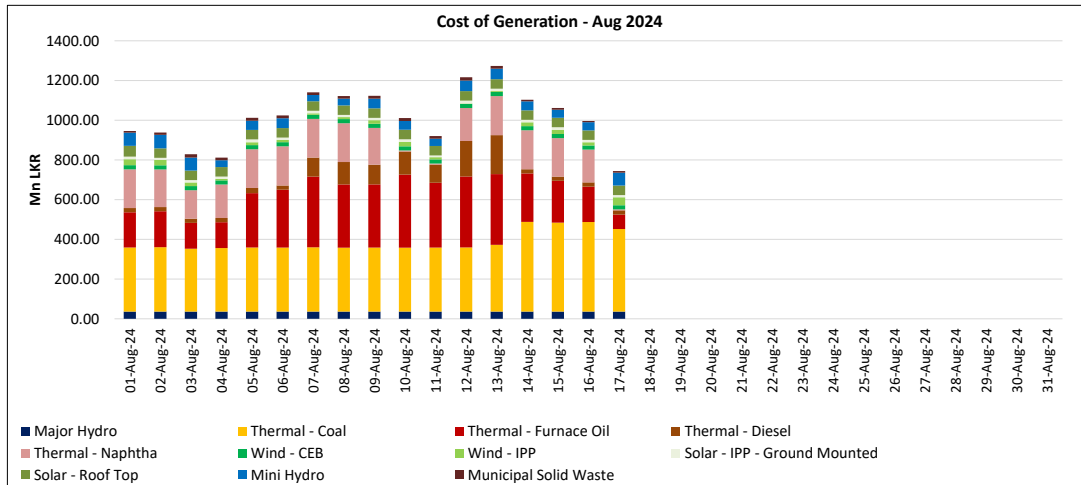
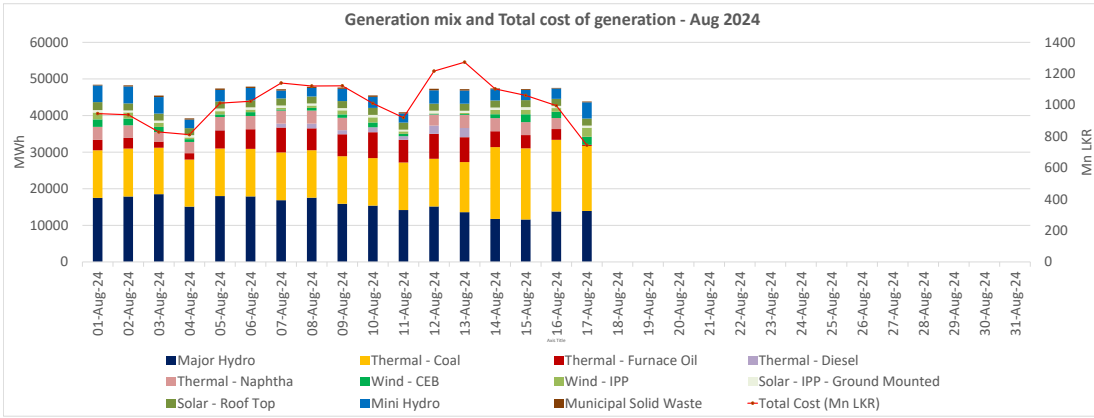
Plant Type	Generation (GWh)	Percentage
Major Hydro	16.7	40%
Thermal - Coal	19.4	46%
Thermal - Furnace Oil	0.5	1%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB		
Wind - IPP	2.7	5%
Solar	0.7	2%
Mini Hydro	2.6	6%
Total	42.66	

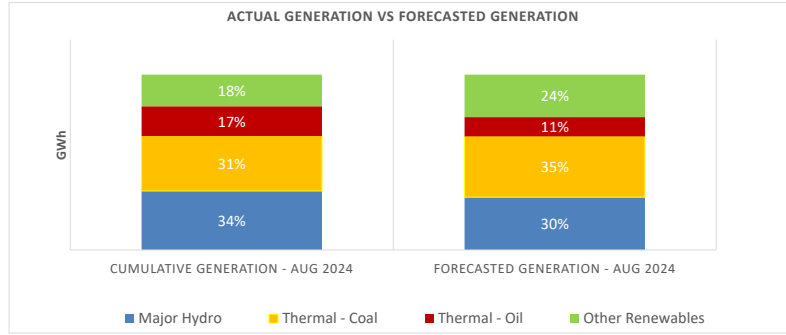
Actual Generation Mix - 17th Aug 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.9	34%
Thermal - Coal	17.8	43%
Thermal - Furnace Oil	0.3	1%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.2	5%
Wind - IPP	2.5	6%
Solar	0.6	1%
Mini Hydro	4.2	10%
Total	41.45	

Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **680.99 Mn LKR**

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **684.34 Mn LKR**





	Cumulative Generation - Aug 2024 [GWh]	Forecasted Generation - Aug 2024 [GWh]
Major Hydro	265	436
Thermal - Coal	246	502
Thermal - Oil	134	160
Other Renewables	142	350
Total	786	1447

Forecasted Generation - SDDP JUL 2024

Estimated Cost of Generation - Aug 2024 (Mn LKR)

Major Hydro	617.58 Mn LKR
Thermal - Coal	5965.68 Mn LKR
Thermal - Furnace Oil	4290.83 Mn LKR
Thermal - Diesel	1108.39 Mn LKR
Thermal - Naphtha	2596.60 Mn LKR
Wind - CEB	354.07 Mn LKR
Wind - IPP	280.36 Mn LKR
Solar - IPP - Ground Mounted	206.80 Mn LKR
Solar - Roof Top	819.54 Mn LKR
Mini Hydro	823.01 Mn LKR
Municipal Solid Waste	209.18 Mn LKR
Total Generation Cost	17,272.03 Mn LKR

Generation Energy Cost (Aug) 13,644.48 Mn LKR

*Generation Capacity Cost (Aug) 2,944.14 Mn LKR

Other Cost (Aug) 683.42 Mn LKR

Average Unit Cost of Generation (Aug) 21.97 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.