



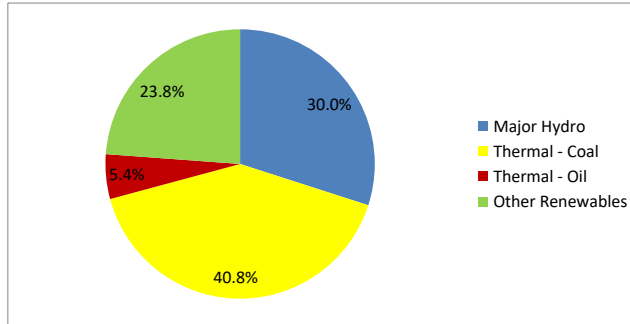
Daily Electricity Generation & Cost Estimation Report

20th August 2024



Daily Generation Mix -20th August 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.40	30.0%
Thermal - Coal	18.28	40.8%
Thermal - Furnace Oil	2.40	5.4%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	2.07	4.6%
Wind - IPP	1.28	2.9%
Solar - IPP - Ground Mounted	0.61	1.4%
Solar - Roof Top	1.92	4.3%
Mini Hydro	4.58	10.2%
Municipal Solid Waste	0.20	0.4%
Total	44.74	



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

Estimated Generation Cost : 20th 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	2.71	2.71
Thermal - Coal	356.2	27.5	41.8	425.4	19.49	1.50	2.29	23.28
Thermal - Furnace Oil	96.7	9.4	51.2	157.3	40.34	3.91	21.38	65.64
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	10.06	10.06
Wind - IPP	20.7	0.0	0.0	20.7	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	11.9	0.0	0.0	11.9	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	67.0	0.0	0.0	67.0	14.61	0.00	0.00	14.61
Municipal Solid Waste	7.8	0.0	0.0	7.8	39.30	0.00	0.00	39.30
Total	608.0	40.2	173.2	821.4	13.59	0.90	3.87	18.36

Note -

Start/Stop costs has been excluded in the calculation

Sobadhanvi 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 : 18.36 LKR/kWh
Total Generation Cost for the day: 821.36 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 - 20th Aug 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.3	30%
Thermal - Coal	19.1	44%
Thermal - Furnace Oil	2.9	7%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	3.6	8%
Wind - IPP		
Solar	0.6	1%
Mini Hydro	4.3	10%
Total	43.93	

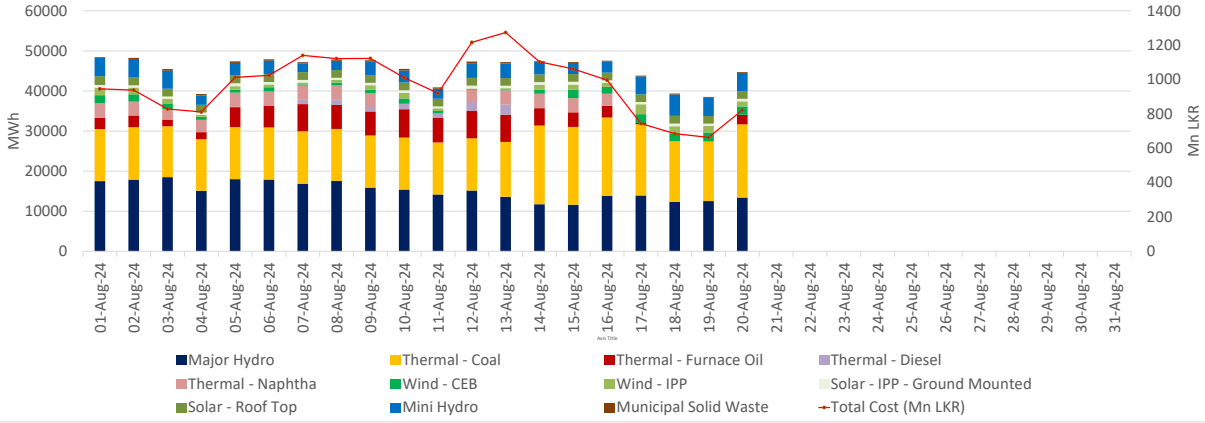
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 810.21 Mn LKR

Actual Generation Mix - 20th Aug 2024 (Excluding generation from non telemetered power plants)

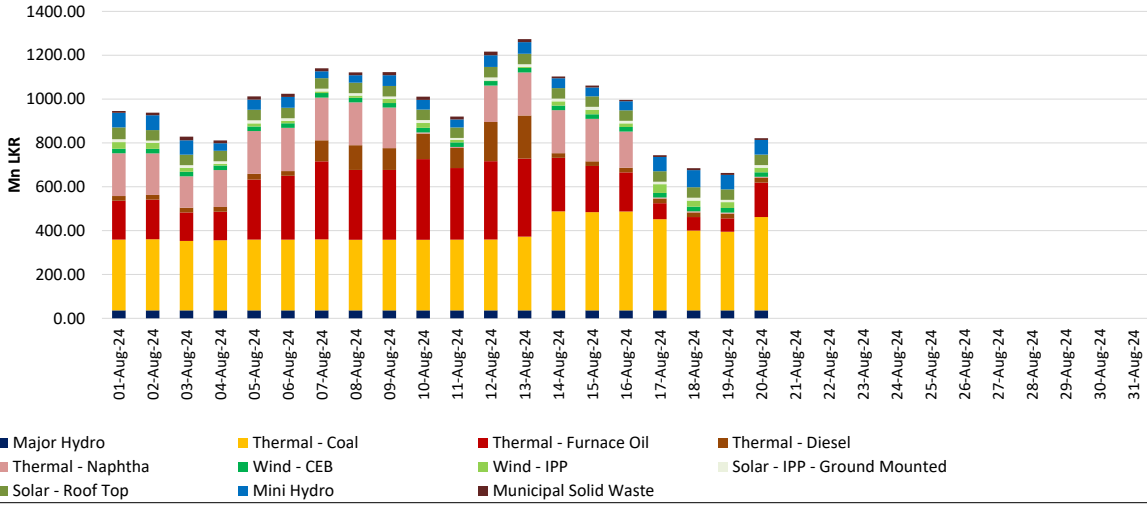
Plant Type	Generation (GWh)	Percentage
Major Hydro	13.4	32%
Thermal - Coal	18.3	44%
Thermal - Furnace Oil	2.4	6%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.1	5%
Wind - IPP	1.3	3%
Solar	0.6	1%
Mini Hydro	3.7	9%
Total	41.74	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 752.86 Mn LKR

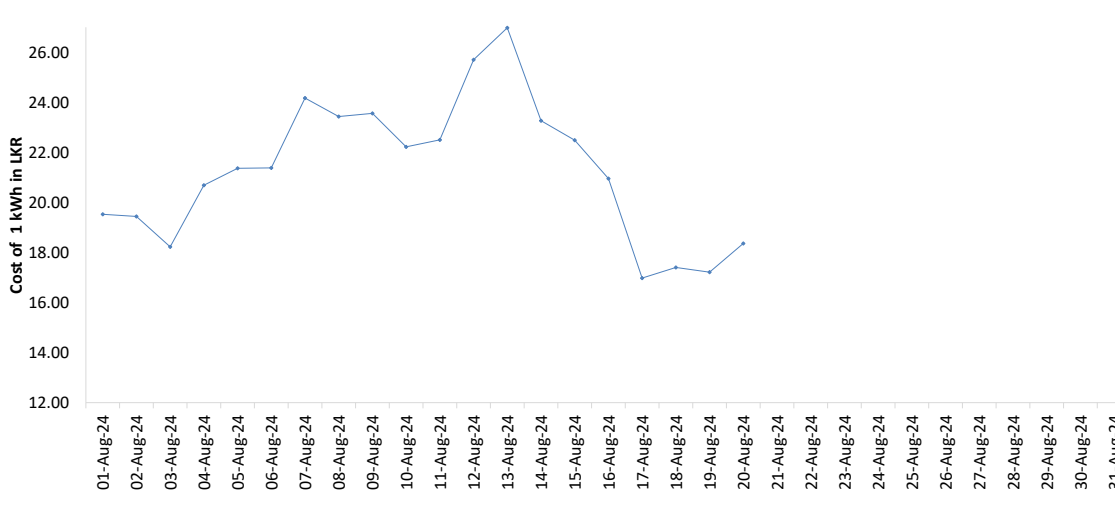
Generation mix and Total cost of generation - Aug 2024

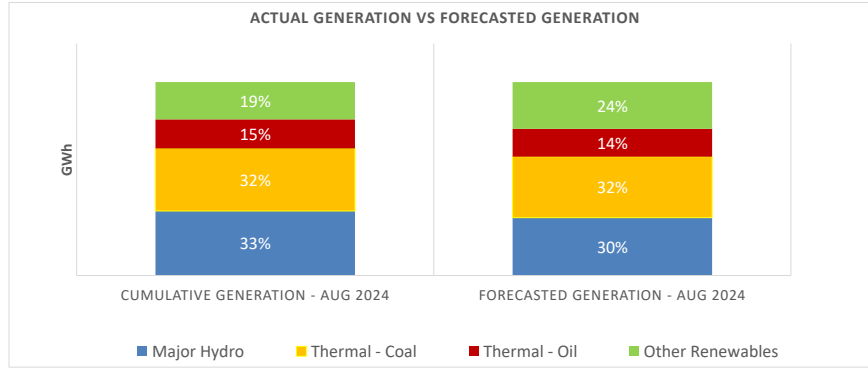


Cost of Generation - Aug 2024



Per Unit Cost of Generation - Aug 2024





	Cumulative Generation - Aug 2024 [GWh]	Forecasted Generation - Aug 2024 [GWh]
Major Hydro	303	433
Thermal - Coal	294	456
Thermal - Oil	137	208
Other Renewables	175	350
Total	909	1447

Forecasted Generation - SDDP Aug 2024

Estimated Cost of Generation - Aug 2024 (Mn LKR)

Major Hydro	726.56 Mn LKR
Thermal - Coal	7113.54 Mn LKR
Thermal - Furnace Oil	4570.85 Mn LKR
Thermal - Diesel	1172.02 Mn LKR
Thermal - Naphtha	2611.94 Mn LKR
Wind - CEB	416.55 Mn LKR
Wind - IPP	355.75 Mn LKR
Solar - IPP - Ground Mounted	242.05 Mn LKR
Solar - Roof Top	963.07 Mn LKR
Mini Hydro	1034.07 Mn LKR
Municipal Solid Waste	234.84 Mn LKR
Total Generation Cost	19,441.23 Mn LKR

Generation Energy Cost (Aug) 15,173.53 Mn LKR

*Generation Capacity Cost (Aug) 3,463.69 Mn LKR

Other Cost (Aug) 804.02 Mn LKR

Average Unit Cost of Generation (Aug) 21.39 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.