



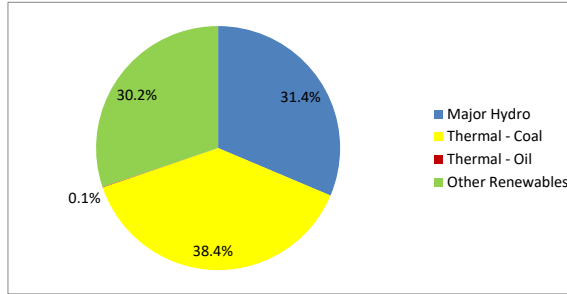
Daily Electricity Generation & Cost Estimation Report

18th August 2024



Daily Generation Mix -18th August 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.34	31.4%
Thermal - Coal	15.12	38.4%
Thermal - Furnace Oil	0.03	0.1%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.98	5.0%
Wind - IPP	1.73	4.4%
Solar - IPP - Ground Mounted	0.67	1.7%
Solar - Roof Top	1.92	4.9%
Mini Hydro	5.34	13.6%
Municipal Solid Waste	0.23	0.6%
Total	39.35	



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

Estimated Generation Cost : 18th 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	2.94	2.94
Thermal - Coal	294.6	27.5	41.8	363.9	19.49	1.82	2.77	24.07
Thermal - Furnace Oil	1.0	9.4	51.2	61.7	40.28	360.73	1970.57	2371.59
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	10.53	10.53
Wind - IPP	27.9	0.0	0.0	27.9	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	78.0	0.0	0.0	78.0	14.61	0.00	0.00	14.61
Municipal Solid Waste	8.9	0.0	0.0	8.9	39.30	0.00	0.00	39.30
Total	471.4	40.2	173.2	684.8	11.98	1.02	4.40	17.40

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 : **17.40 LKR/kWh**
 Total Generation Cost for the day: **684.83 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 - 18th Aug 2024 (Excluding generation from non telemetered power plants)

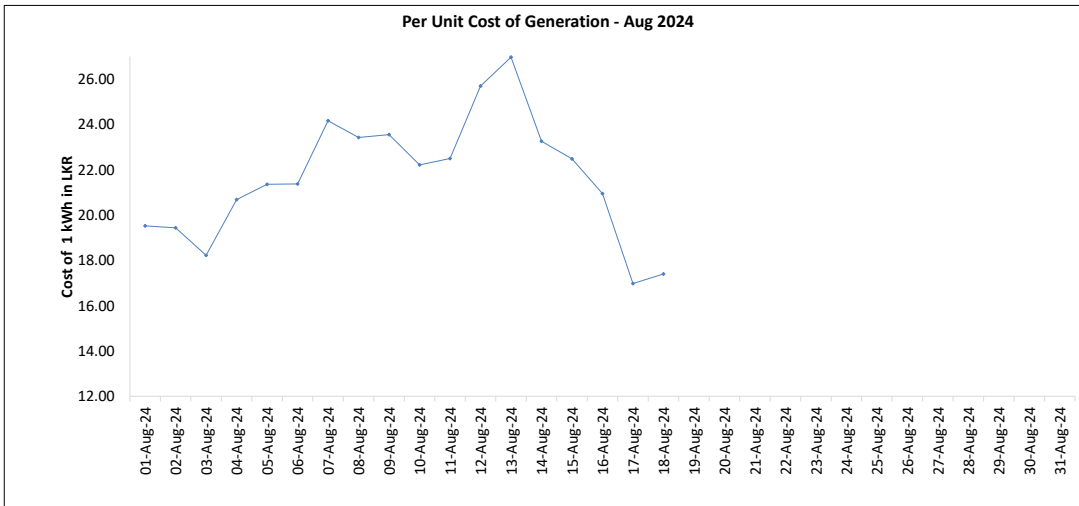
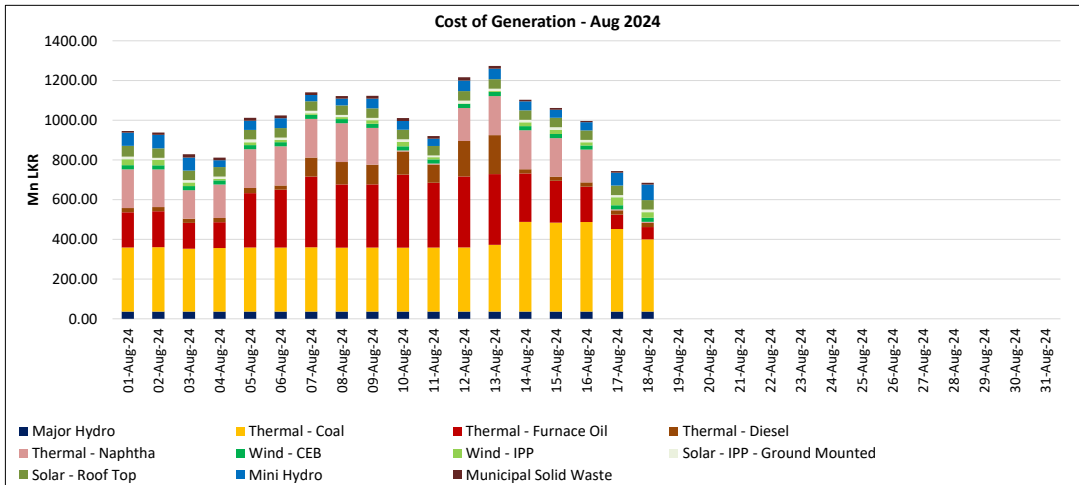
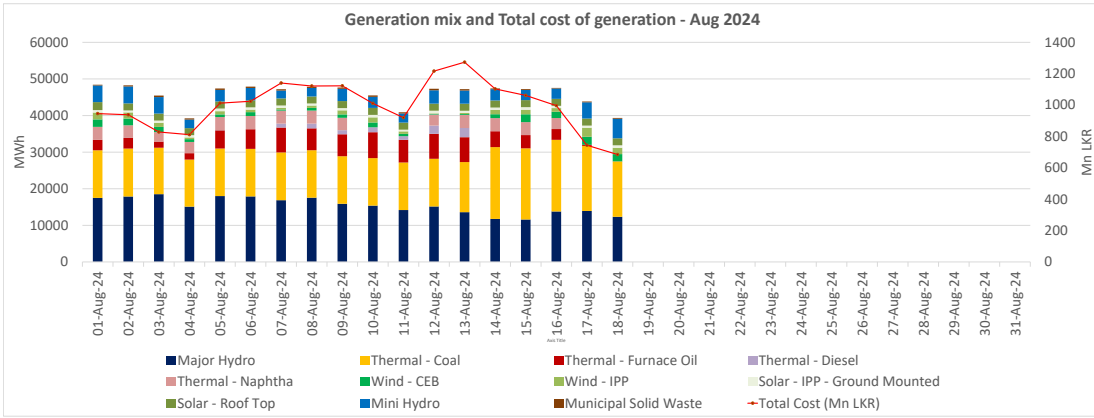
Plant Type	Generation (GWh)	Percentage
Major Hydro	15.2	43%
Thermal - Coal	14.5	41%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.7	8%
Wind - IPP	0.6	2%
Solar	2.7	7%
Mini Hydro	2.7	7%
Total	35.67	

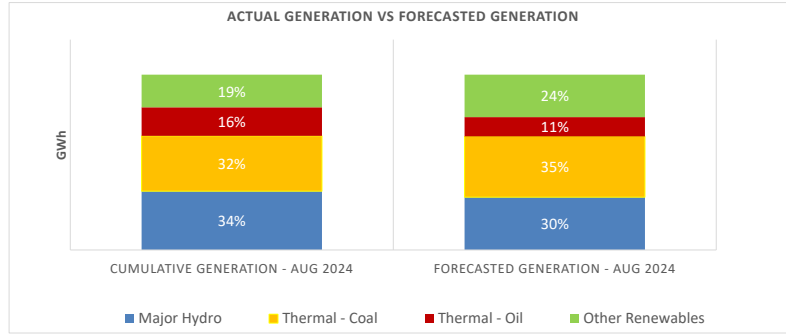
Actual Generation Mix - 18th Aug 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.3	34%
Thermal - Coal	15.1	42%
Thermal - Furnace Oil	0.0	0%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.0	5%
Wind - IPP	1.7	5%
Solar	0.7	2%
Mini Hydro	4.3	12%
Total	36.18	

Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **567.66 Mn LKR**

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **613.11 Mn LKR**





	Cumulative Generation - Aug 2024 [GWh]	Forecasted Generation - Aug 2024 [GWh]
Major Hydro	277	436
Thermal - Coal	261	502
Thermal - Oil	134	160
Other Renewables	154	350
Total	826	1447

Forecasted Generation - SDDP JUL 2024

Estimated Cost of Generation - Aug 2024 (Mn LKR)

Major Hydro	653.90 Mn LKR
Thermal - Coal	6329.57 Mn LKR
Thermal - Furnace Oil	4352.49 Mn LKR
Thermal - Diesel	1129.60 Mn LKR
Thermal - Naphtha	2601.71 Mn LKR
Wind - CEB	374.89 Mn LKR
Wind - IPP	308.30 Mn LKR
Solar - IPP - Ground Mounted	219.86 Mn LKR
Solar - Roof Top	867.38 Mn LKR
Mini Hydro	901.06 Mn LKR
Municipal Solid Waste	218.10 Mn LKR
Total Generation Cost	17,956.86 Mn LKR

Generation Energy Cost (Aug) 14,115.93 Mn LKR

*Generation Capacity Cost (Aug) 3,117.32 Mn LKR

Other Cost (Aug) 723.62 Mn LKR

Average Unit Cost of Generation (Aug) 21.75 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.