



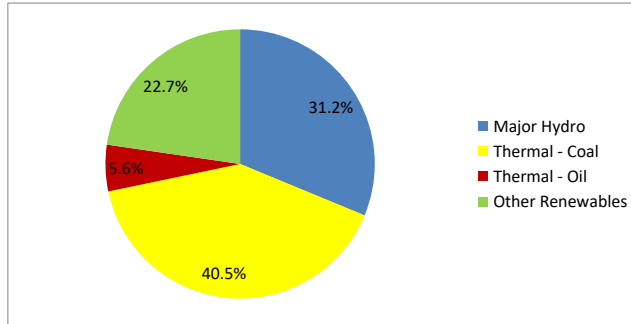
Daily Electricity Generation & Cost Estimation Report

22nd August 2024



Daily Generation Mix -22nd August 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.96	31.2%
Thermal - Coal	18.10	40.5%
Thermal - Furnace Oil	2.49	5.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	2.04	4.6%
Wind - IPP	1.18	2.6%
Solar - IPP - Ground Mounted	0.54	1.2%
Solar - Roof Top	1.92	4.3%
Mini Hydro	4.25	9.5%
Municipal Solid Waste	0.22	0.5%
Total	44.69	



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

Estimated Generation Cost : 22nd 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	2.60	2.60
Thermal - Coal	352.7	27.5	41.8	422.0	19.49	1.52	2.31	23.32
Thermal - Furnace Oil	100.9	9.4	51.2	161.5	40.58	3.77	20.60	64.96
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	10.22	10.22
Wind - IPP	19.0	0.0	0.0	19.0	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	10.5	0.0	0.0	10.5	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	62.1	0.0	0.0	62.1	14.61	0.00	0.00	14.61
Municipal Solid Waste	8.7	0.0	0.0	8.7	39.30	0.00	0.00	39.30
Total	601.8	40.2	173.2	815.1	13.46	0.90	3.88	18.24

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 : 18.24 LKR/kWh
Total Generation Cost for the day: 815.15 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 - 22nd Aug 2024 (Excluding generation from non telemetered power plants)

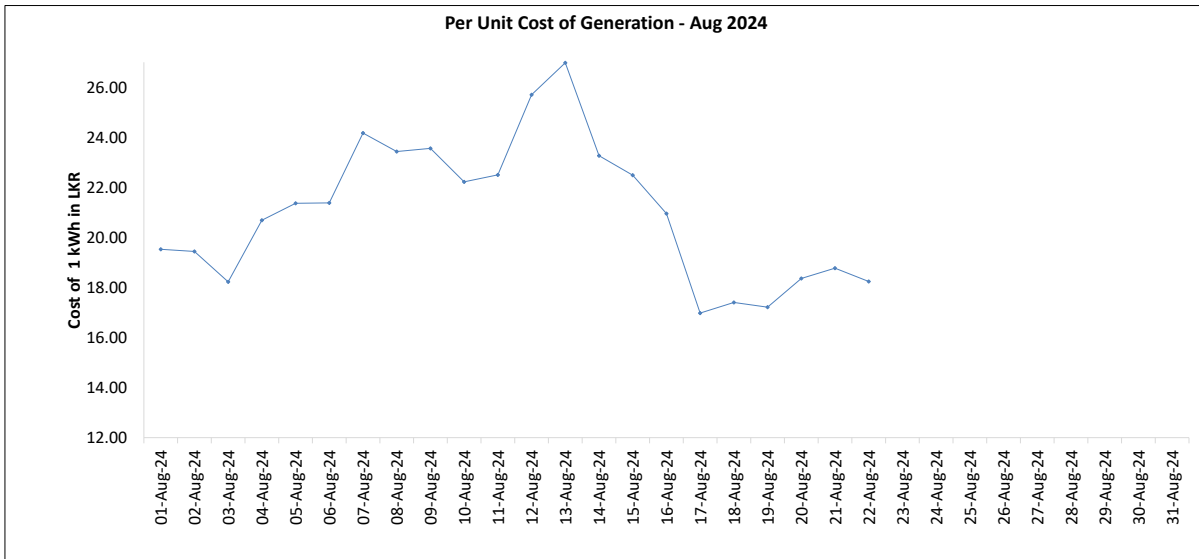
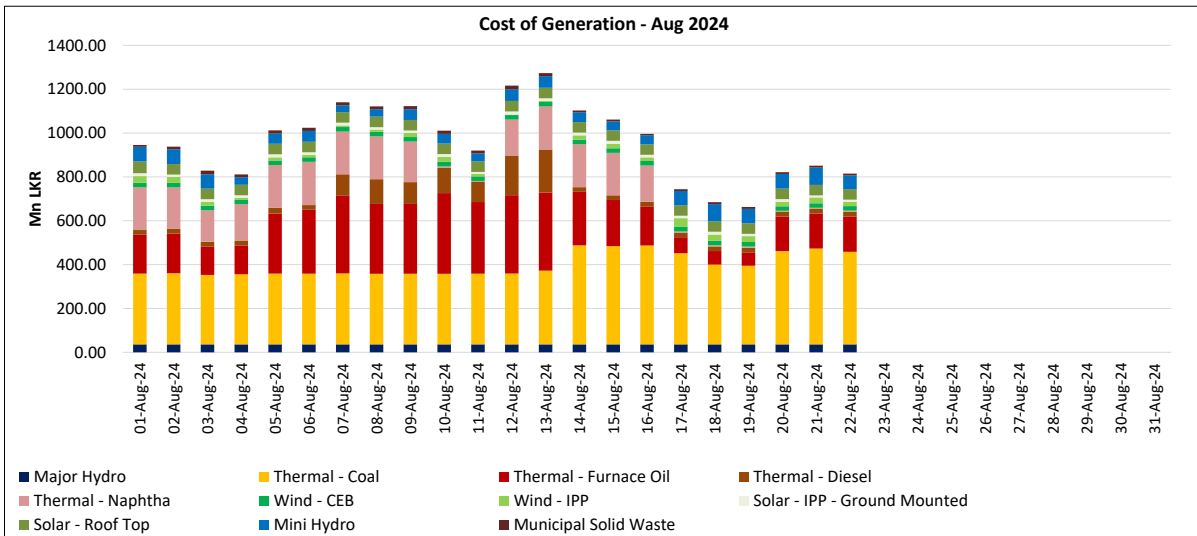
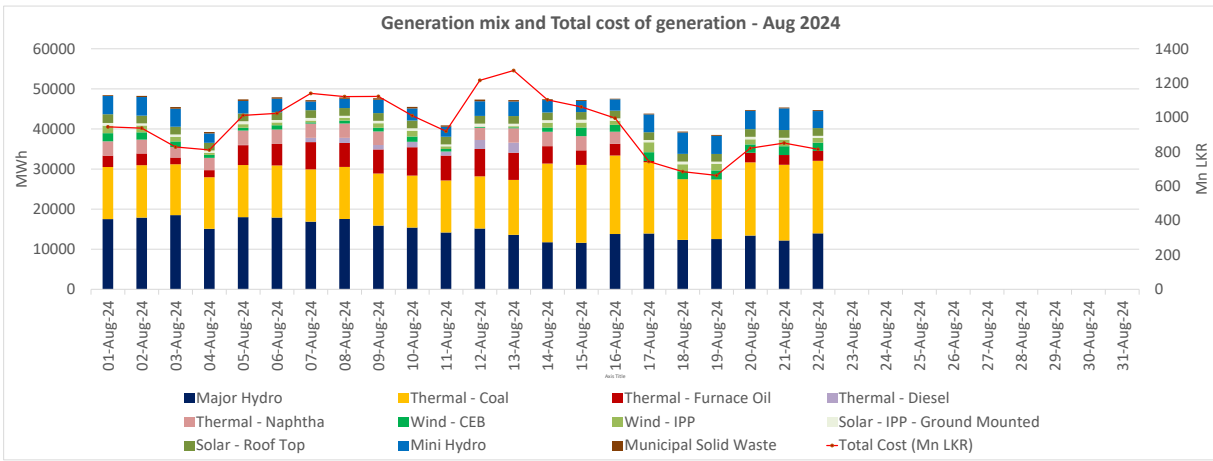
Plant Type	Generation (GWh)	Percentage
Major Hvdro	13.7	32%
Thermal - Coal	19.0	44%
Thermal - Furnace Oil	2.7	6%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	3.7	9%
Wind - IPP		
Solar	0.6	1%
Mini Hvdro	3.7	9%
Total	43.48	

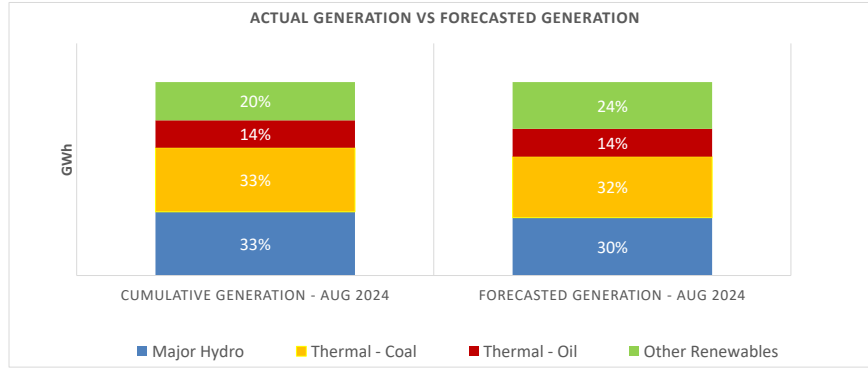
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **792.53 Mn LKR**

Actual Generation Mix - 22nd Aug 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hvdro	14.0	33%
Thermal - Coal	18.1	43%
Thermal - Furnace Oil	2.5	6%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.0	5%
Wind - IPP	1.2	3%
Solar	0.5	1%
Mini Hvdro	4.0	9%
Total	42.31	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **755.08 Mn LKR**





	Cumulative Generation - Aug 2024 [GWh]	Forecasted Generation - Aug 2024 [GWh]
Major Hydro	329	433
Thermal - Coal	331	456
Thermal - Oil	142	208
Other Renewables	197	350
Total	999	1447

Forecasted Generation - SDDP Aug 2024

Estimated Cost of Generation - Aug 2024 (Mn LKR)

Major Hydro	799.22 Mn LKR
Thermal - Coal	7972.69 Mn LKR
Thermal - Furnace Oil	4891.73 Mn LKR
Thermal - Diesel	1214.44 Mn LKR
Thermal - Naphtha	2622.16 Mn LKR
Wind - CEB	458.20 Mn LKR
Wind - IPP	401.29 Mn LKR
Solar - IPP - Ground Mounted	261.71 Mn LKR
Solar - Roof Top	1058.75 Mn LKR
Mini Hydro	1175.02 Mn LKR
Municipal Solid Waste	252.56 Mn LKR
Total Generation Cost	21,107.78 Mn LKR

Generation Energy Cost (Aug) 16,413.30 Mn LKR

*Generation Capacity Cost (Aug) 3,810.06 Mn LKR

Other Cost (Aug) 884.42 Mn LKR

Average Unit Cost of Generation (Aug) 21.13 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.