



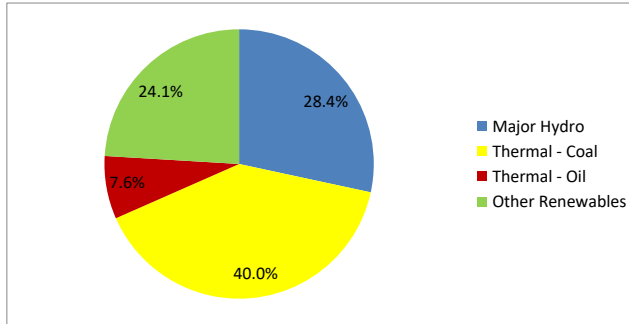
Daily Electricity Generation & Cost Estimation Report

6th September 2024



Daily Generation Mix -6th Sept 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.88	28.4%
Thermal - Coal	19.58	40.0%
Thermal - Furnace Oil	3.69	7.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	1.84	3.8%
Wind - IPP	2.48	5.1%
Solar - IPP - Ground Mounted	0.71	1.4%
Solar - Roof Top	2.14	4.4%
Mini Hydro	4.38	9.0%
Municipal Solid Waste	0.22	0.4%
Total	48.93	



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

Estimated Generation Cost : 6th Sept 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	38.0	38.0	0.00	0.00	2.73	2.73
Thermal - Coal	357.7	28.4	44.5	430.6	18.27	1.45	2.27	21.99
Thermal - Furnace Oil	150.1	9.7	51.7	211.5	40.63	2.62	14.00	57.26
Thermal - Diesel	0.0	1.5	20.0	21.5	0.00	0.00	0.00	0.00
Thermal - Naphtha	0.0	2.0	3.3	5.3	0.00	0.00	0.00	0.00
Wind - CEB	0.0	0.0	21.5	21.5	0.00	0.00	11.71	11.71
Wind - IPP	40.0	0.0	0.0	40.0	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	13.8	0.0	0.0	13.8	19.50	0.00	0.00	19.50
Solar - Roof Top	53.3	0.0	0.0	53.3	24.92	0.00	0.00	24.92
Mini Hydro	64.0	0.0	0.0	64.0	14.61	0.00	0.00	14.61
Municipal Solid Waste	8.6	0.0	0.0	8.6	39.30	0.00	0.00	39.30
Total	687.6	41.5	179.0	908.1	14.05	0.85	3.66	18.56

Note -

Start/Stop costs has been excluded in the calculation

Capacity cost is based on the approved BST submission.

Unit Cost of Generation for the day : **18.56 LKR/kWh**
 Total Generation Cost for the day: **908.10 Mn LKR**

Fuel Prices

(as at 1st Sept 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	181.00
Coal	44.50
Naphtha	197.06
Auto Diesel	307.00

Scheduled (Day Ahead) Generation Mix - 6th Sept 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	14.6	33%
Thermal - Coal	19.4	44%
Thermal - Furnace Oil	3.0	7%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB		
Wind - IPP	3.1	7%
Solar	0.5	1%
Mini Hydro	4.07	9%
Total	44.67	

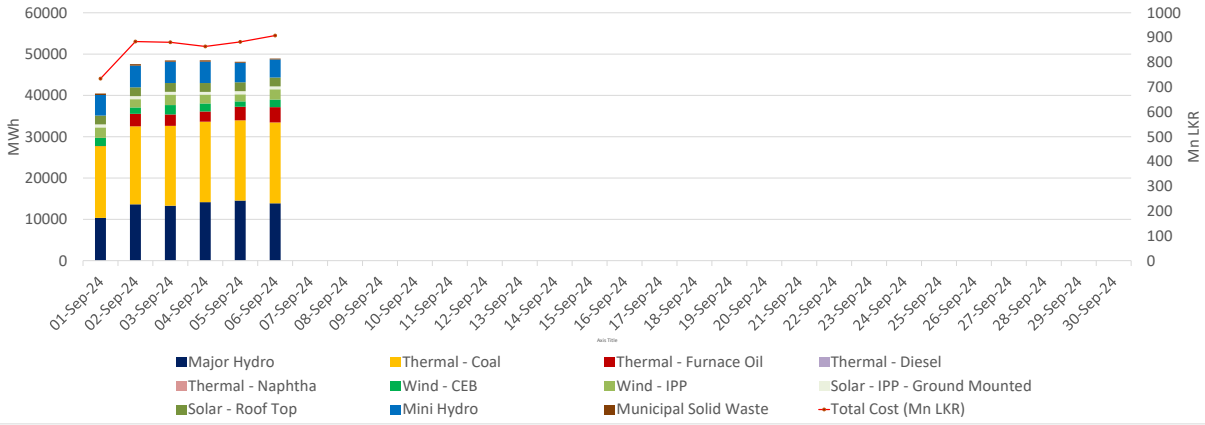
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **792.65 Mn LKR**

Actual Generation Mix - 6th Sept 2024 (Excluding generation from non telemetered power plants)

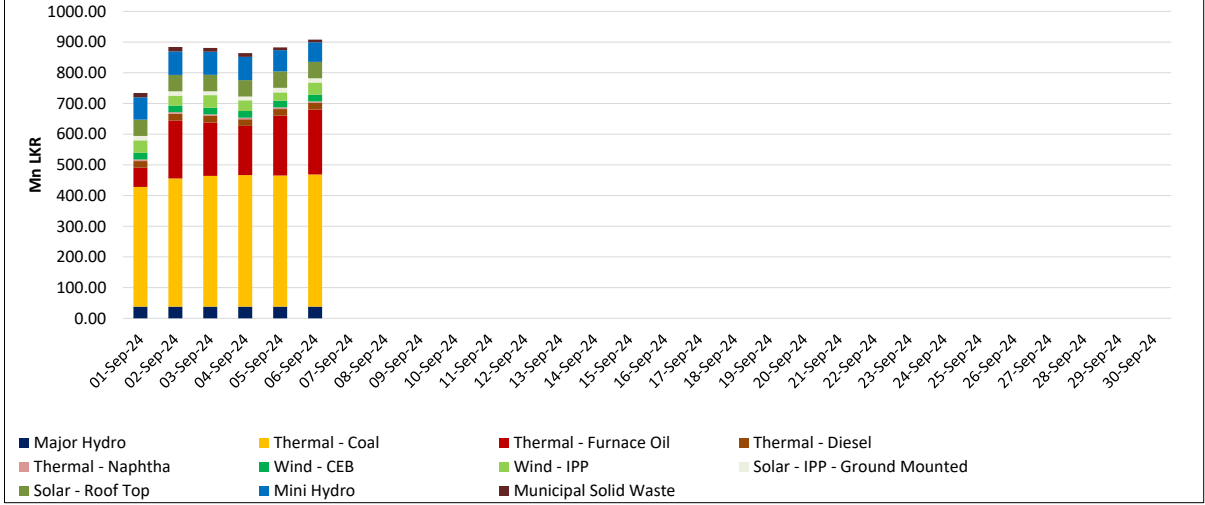
Plant Type	Generation (GWh)	Percentage
Major Hydro	13.9	30%
Thermal - Coal	19.6	43%
Thermal - Furnace Oil	3.7	8%
Thermal - Diesel	0.00	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	1.8	4%
Wind - IPP	2.5	5%
Solar	0.7	2%
Mini Hydro	3.4	7%
Total	45.60	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **831.95 Mn LKR**

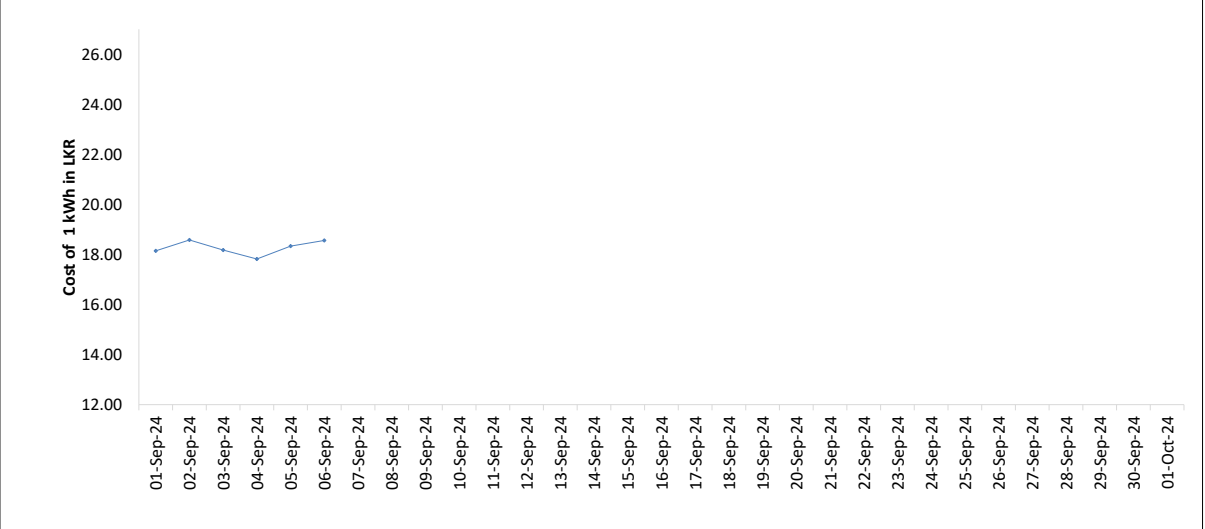
Generation mix and Total cost of generation - Sept 24

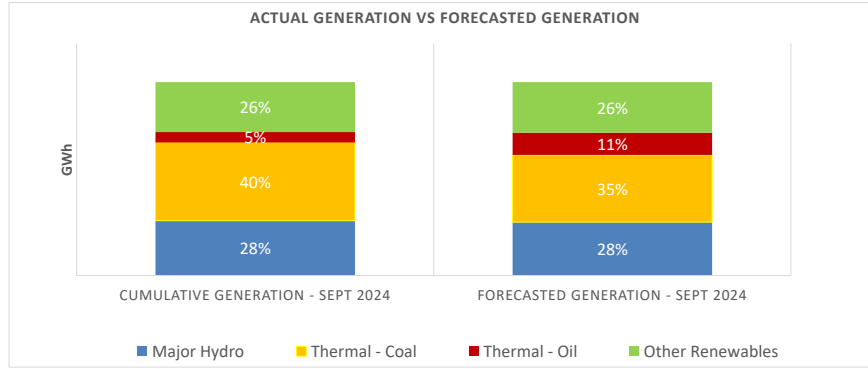


Cost of Generation - Sept 24



Per Unit Cost of Generation - Sept 24





	Cumulative Generation - Sept 2024 [GWh]	Forecasted Generation - Sept 2024 [GWh]
Major Hydro	80	380
Thermal - Coal	114	479
Thermal - Oil	15	158
Other Renewables	73	360
Total	282	1377

Forecasted Generation - SDDP Aug 2024

Estimated Cost of Generation - Sept 2024 (Mn LKR)

Major Hydro	227.72 Mn LKR
Thermal - Coal	2520.84 Mn LKR
Thermal - Furnace Oil	992.36 Mn LKR
Thermal - Diesel	128.85 Mn LKR
Thermal - Naphtha	31.70 Mn LKR
Wind - CEB	129.23 Mn LKR
Wind - IPP	216.39 Mn LKR
Solar - IPP - Ground Mounted	82.33 Mn LKR
Solar - Roof Top	319.94 Mn LKR
Mini Hydro	433.89 Mn LKR
Municipal Solid Waste	70.42 Mn LKR
Total Generation Cost	5,153.66 Mn LKR

Generation Energy Cost (Sept) 3,830.44 Mn LKR

*Generation Capacity Cost (Sept) 1,073.97 Mn LKR

Other Cost (Sept) 249.25 Mn LKR

Average Unit Cost of Generation (Sept) 18.27 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.