



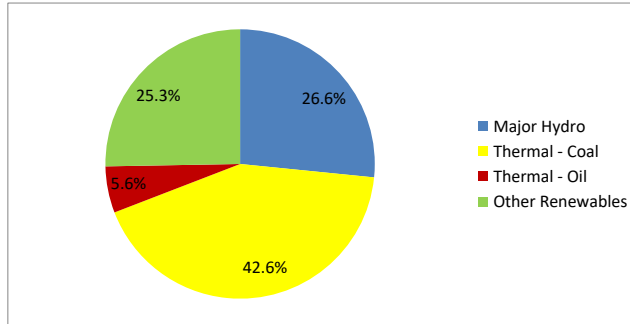
Daily Electricity Generation & Cost Estimation Report

7th September 2024



Daily Generation Mix -7th Sept 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	12.26	26.6%
Thermal - Coal	19.62	42.6%
Thermal - Furnace Oil	2.57	5.6%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	2.04	4.4%
Wind - IPP	2.61	5.7%
Solar - IPP - Ground Mounted	0.63	1.4%
Solar - Roof Top	2.14	4.6%
Mini Hydro	4.02	8.7%
Municipal Solid Waste	0.22	0.5%
Total	46.10	



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

Estimated Generation Cost : 7th 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	3.10	3.10
Thermal - Coal	358.4	28.4	44.5	431.3	18.27	1.45	2.27	21.98
Thermal - Furnace Oil	102.5	9.7	51.7	163.9	39.89	3.77	20.12	63.79
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	10.57	10.57
Wind - IPP	42.0	0.0	0.0	42.0	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	12.3	0.0	0.0	12.3	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	58.7	0.0	0.0	58.7	14.61	0.00	0.00	14.61
Municipal Solid Waste	8.8	0.0	0.0	8.8	39.30	0.00	0.00	39.30
Total	636.0	41.5	179.0	856.6	13.80	0.90	3.88	18.58

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 : **18.58 LKR/kWh**
 Total Generation Cost for the day: **856.56 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 - 7th Sept 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.4	32%
Thermal - Coal	19.4	46%
Thermal - Furnace Oil	2.3	5%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	3.0	7%
Wind - IPP	0.6	1%
Solar	3.72	9%
Mini Hydro		
Total	42.50	

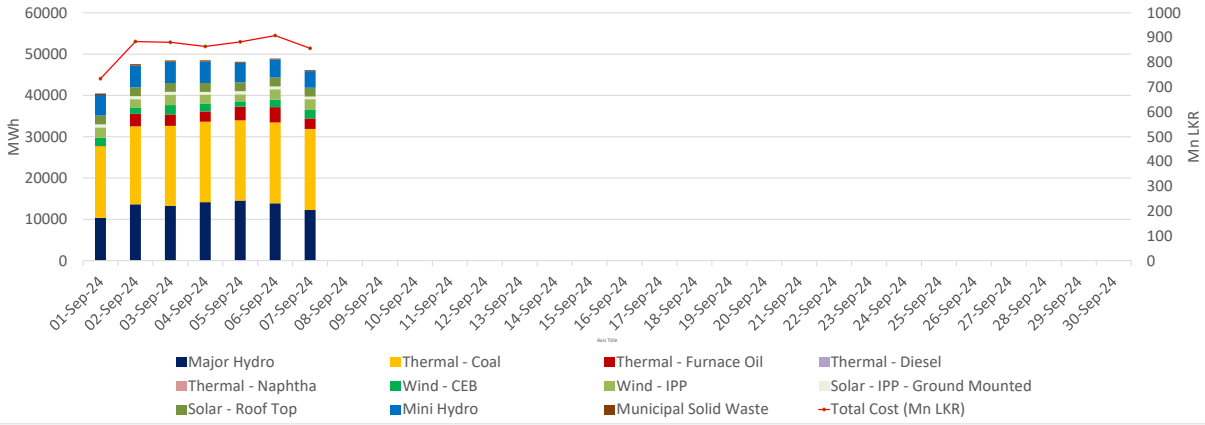
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **760.80 Mn LKR**

Actual Generation Mix - 7th Sept 2024 (Excluding generation from non telemetered power plants)

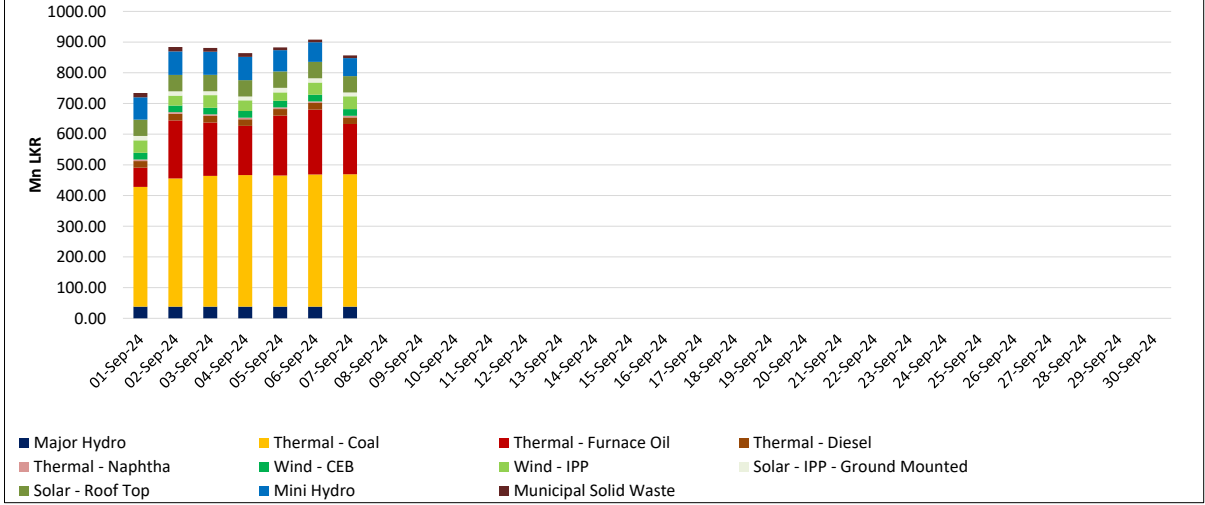
Plant Type	Generation (GWh)	Percentage
Major Hydro	12.3	29%
Thermal - Coal	19.6	46%
Thermal - Furnace Oil	2.6	6%
Thermal - Diesel	0.00	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.0	5%
Wind - IPP	2.6	6%
Solar	0.6	1%
Mini Hydro	3.1	7%
Total	42.85	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **781.46 Mn LKR**

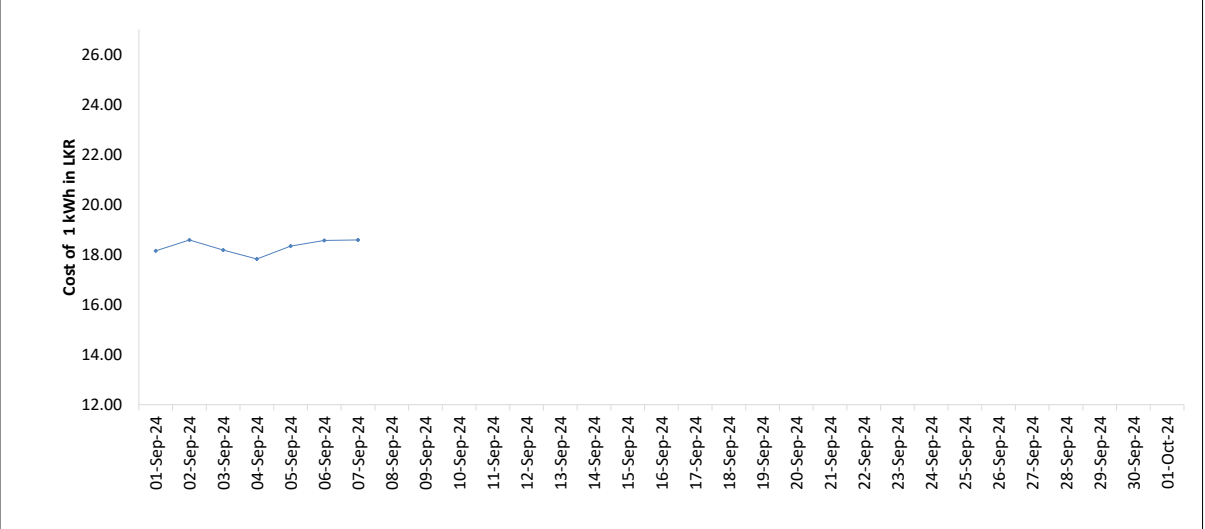
Generation mix and Total cost of generation - Sept 24

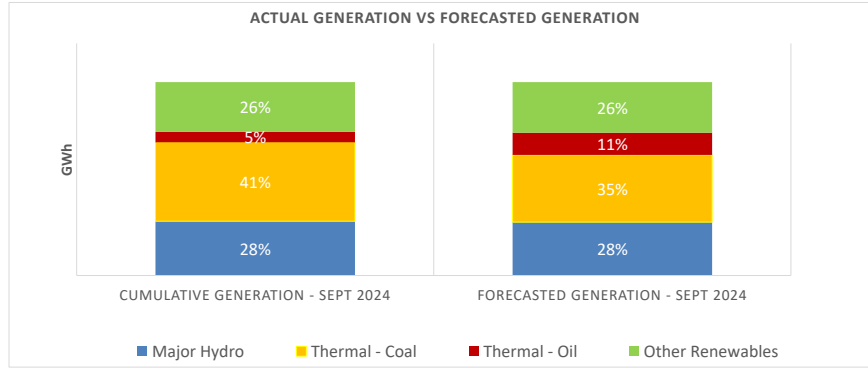


Cost of Generation - Sept 24



Per Unit Cost of Generation - Sept 24





	Cumulative Generation - Sept 2024 [GWh]	Forecasted Generation - Sept 2024 [GWh]
Major Hydro	92	380
Thermal - Coal	134	479
Thermal - Oil	18	158
Other Renewables	85	360
Total	328	1377

Forecasted Generation - SDDP Aug 2024

Estimated Cost of Generation - Sept 2024 (Mn LKR)

Major Hydro	265.67 Mn LKR
Thermal - Coal	2952.10 Mn LKR
Thermal - Furnace Oil	1156.29 Mn LKR
Thermal - Diesel	150.32 Mn LKR
Thermal - Naphtha	36.98 Mn LKR
Wind - CEB	150.77 Mn LKR
Wind - IPP	258.40 Mn LKR
Solar - IPP - Ground Mounted	94.65 Mn LKR
Solar - Roof Top	373.27 Mn LKR
Mini Hydro	492.58 Mn LKR
Municipal Solid Waste	79.18 Mn LKR
Total Generation Cost	6,010.22 Mn LKR

Generation Energy Cost (Sept) 4,466.46 Mn LKR

*Generation Capacity Cost (Sept) 1,252.97 Mn LKR

Other Cost (Sept) 290.79 Mn LKR

Average Unit Cost of Generation (Sept) 18.32 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.