



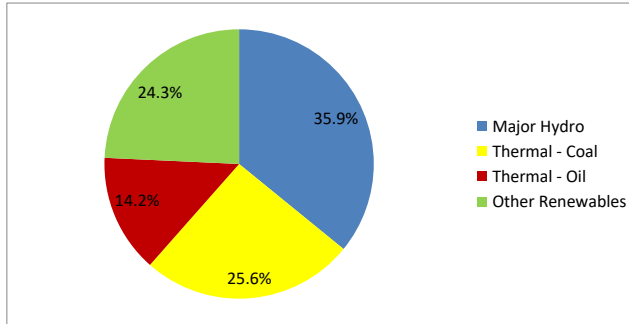
Daily Electricity Generation & Cost Estimation Report

14th September 2024



Daily Generation Mix -14th Sept 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.64	35.9%
Thermal - Coal	11.89	25.6%
Thermal - Furnace Oil	6.59	14.2%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	0.00	0.0%
Wind - CEB	2.14	4.6%
Wind - IPP	2.42	5.2%
Solar - IPP - Ground Mounted	0.75	1.6%
Solar - Roof Top	2.14	4.6%
Mini Hydro	3.48	7.5%
Municipal Solid Waste	0.33	0.7%
Total	46.37	



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

Estimated Generation Cost : 14th 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	2.28	2.28
Thermal - Coal	217.2	28.4	44.5	290.1	18.27	2.39	3.74	24.40
Thermal - Furnace Oil	288.0	9.7	51.7	349.4	43.68	1.47	7.84	52.99
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	10.07	10.07
Wind - IPP	39.0	0.0	0.0	39.0	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	14.6	0.0	0.0	14.6	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	50.8	0.0	0.0	50.8	14.61	0.00	0.00	14.61
Municipal Solid Waste	13.0	0.0	0.0	13.0	39.30	0.00	0.00	39.30
Total	675.9	41.5	179.0	896.4	14.58	0.90	3.86	19.33

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 : **19.33 LKR/kWh**
 Total Generation Cost for the day: **896.43 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 - 14th Sept 2024 (Excluding generation from non telemetered power plants)

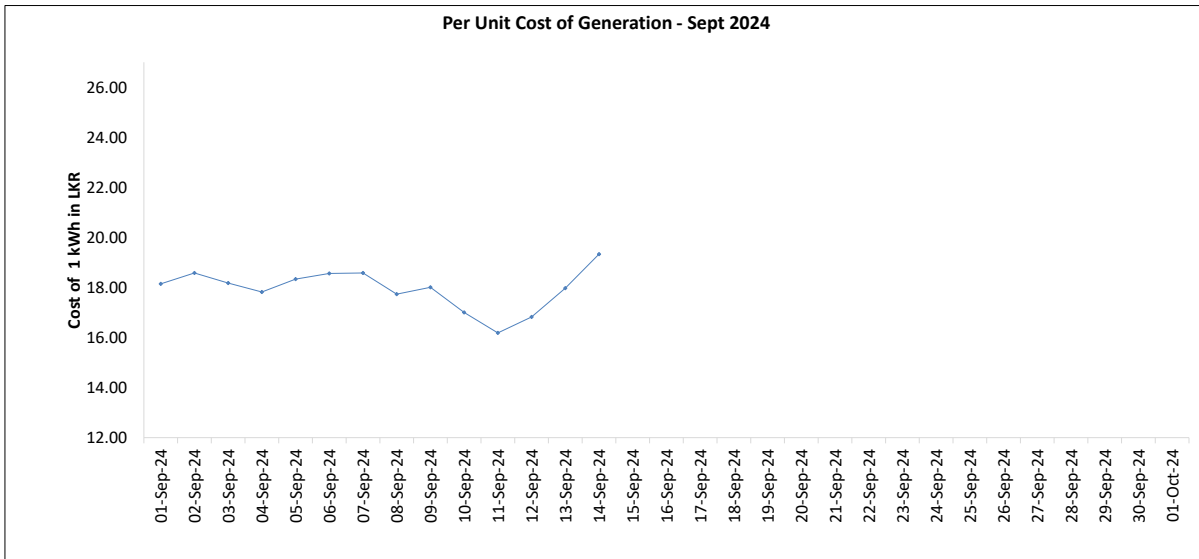
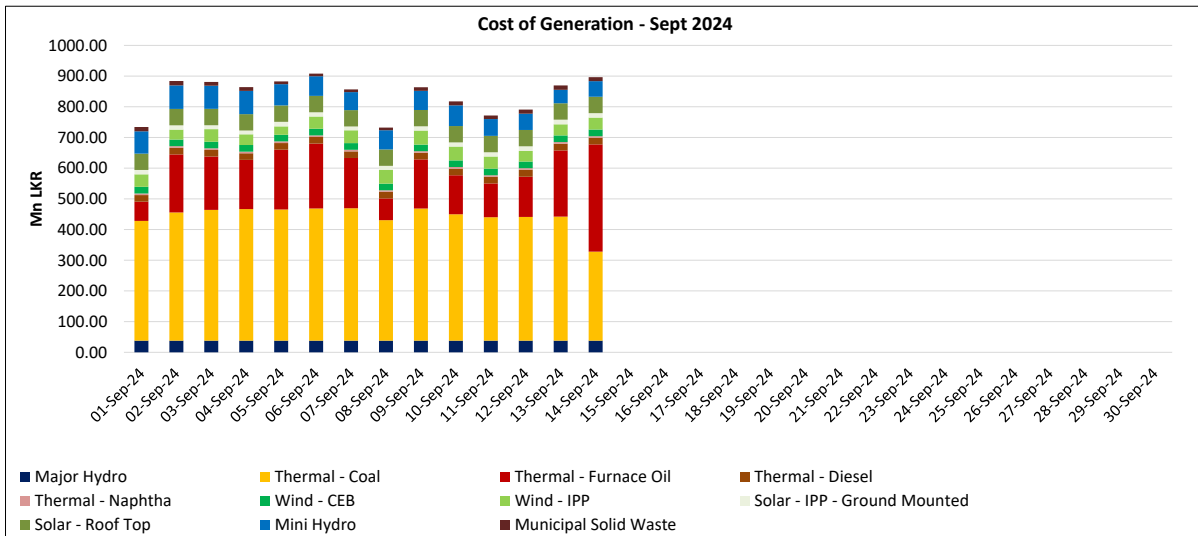
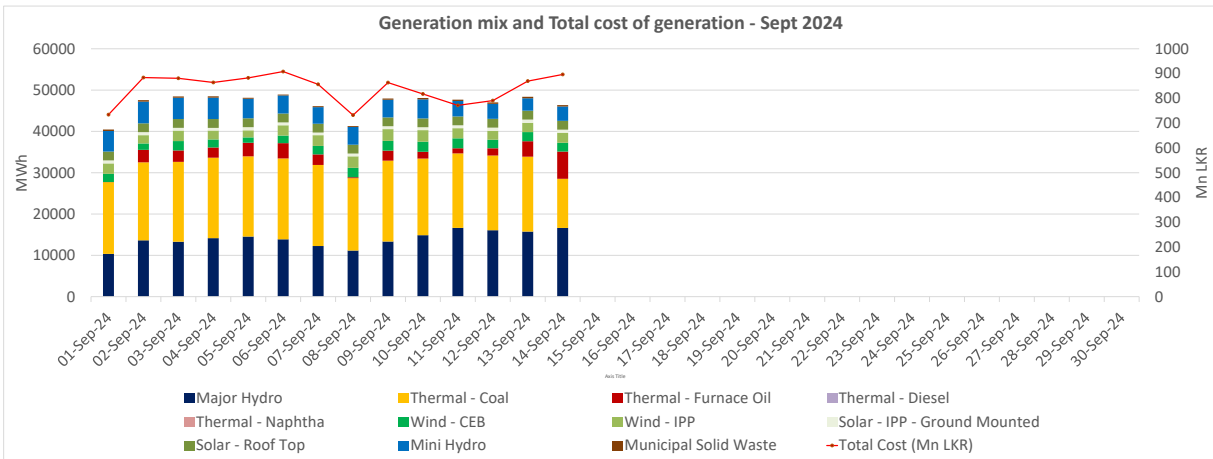
Plant Type	Generation (GWh)	Percentage
Major Hydro	16.3	40%
Thermal - Coal	11.5	28%
Thermal - Furnace Oil	6.4	16%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.7	7%
Wind - IPP	0.6	1%
Solar	3.42	8%
Mini Hydro		
Total	40.88	

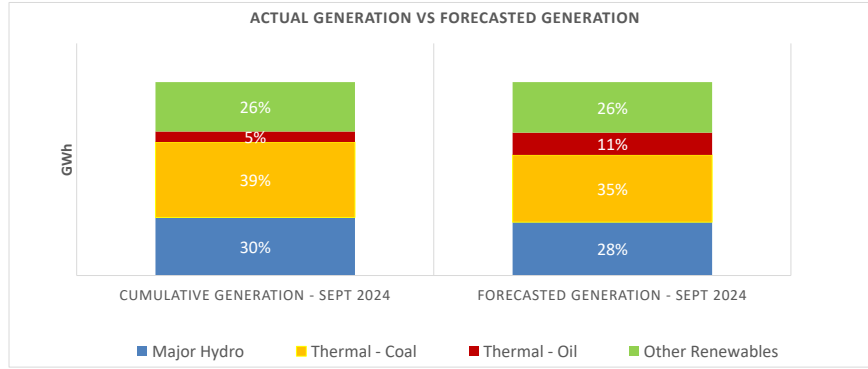
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **793.44 Mn LKR**

Actual Generation Mix - 14th Sept 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	16.6	38%
Thermal - Coal	11.9	28%
Thermal - Furnace Oil	6.6	15%
Thermal - Diesel	0.00	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.1	5%
Wind - IPP	2.4	6%
Solar	0.8	2%
Mini Hydro	2.8	6%
Total	43.22	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **820.14 Mn LKR**





	Cumulative Generation - Sept 2024 [GWh]	Forecasted Generation - Sept 2024 [GWh]
Major Hydro	197	380
Thermal - Coal	255	479
Thermal - Oil	35	158
Other Renewables	167	360
Total	655	1377

Forecasted Generation - SDDP Aug 2024

Estimated Cost of Generation - Sept 2024 (Mn LKR)

Major Hydro	531.34 Mn LKR
Thermal - Coal	5686.84 Mn LKR
Thermal - Furnace Oil	2319.84 Mn LKR
Thermal - Diesel	302.32 Mn LKR
Thermal - Naphtha	73.96 Mn LKR
Wind - CEB	301.54 Mn LKR
Wind - IPP	543.58 Mn LKR
Solar - IPP - Ground Mounted	193.79 Mn LKR
Solar - Roof Top	746.53 Mn LKR
Mini Hydro	887.48 Mn LKR
Municipal Solid Waste	164.85 Mn LKR
Total Generation Cost	11,752.08 Mn LKR

Generation Energy Cost (Sept) 8,664.57 Mn LKR

*Generation Capacity Cost (Sept) 2,505.94 Mn LKR

Other Cost (Sept) 581.57 Mn LKR

Average Unit Cost of Generation (Sept) 17.94 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.