



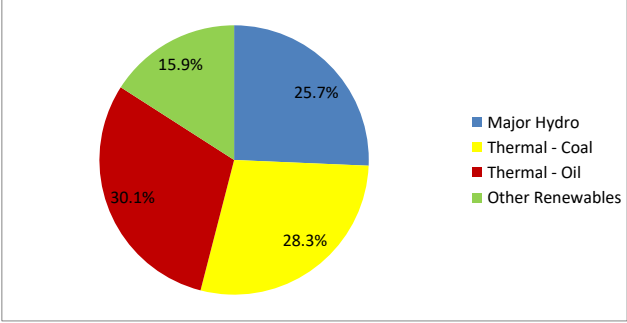
Daily Electricity Generation & Cost Estimation Report

5th October 2024



Daily Generation Mix -5th Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.78	25.7%
Thermal - Coal	13.00	28.3%
Thermal - Furnace Oil	10.34	22.5%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.45	7.5%
Wind - CEB	0.96	2.1%
Wind - IPP	0.97	2.1%
Solar - IPP - Ground Mounted	0.70	1.5%
Solar - Roof Top	2.42	5.3%
Mini Hydro	1.96	4.3%
Municipal Solid Waste	0.30	0.7%
Total	45.87	



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

Estimated Generation Cost : 5th Oct 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	37.6	37.6	0.00	0.00	3.19	3.19
Thermal - Coal	235.9	27.5	44.5	307.9	18.15	2.11	3.43	23.68
Thermal - Furnace Oil	467.7	9.4	50.3	527.3	45.23	0.91	4.86	50.99
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	177.7	1.9	3.2	182.9	51.52	0.56	0.93	53.00
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	21.70	21.70
Wind - IPP	15.7	0.0	0.0	15.7	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	13.6	0.0	0.0	13.6	19.50	0.00	0.00	19.50
Solar - Roof Top	60.3	0.0	0.0	60.3	24.92	0.00	0.00	24.92
Mini Hydro	28.6	0.0	0.0	28.6	14.61	0.00	0.00	14.61
Municipal Solid Waste	11.8	0.0	0.0	11.8	39.30	0.00	0.00	39.30
Total	1011.2	40.2	176.2	1227.6	22.04	0.88	3.84	26.76

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 : 26.76 LKR/kWh
Total Generation Cost for the day: 1227.60 Mn LKR

Fuel Prices

(as at 1st Oct 2024)

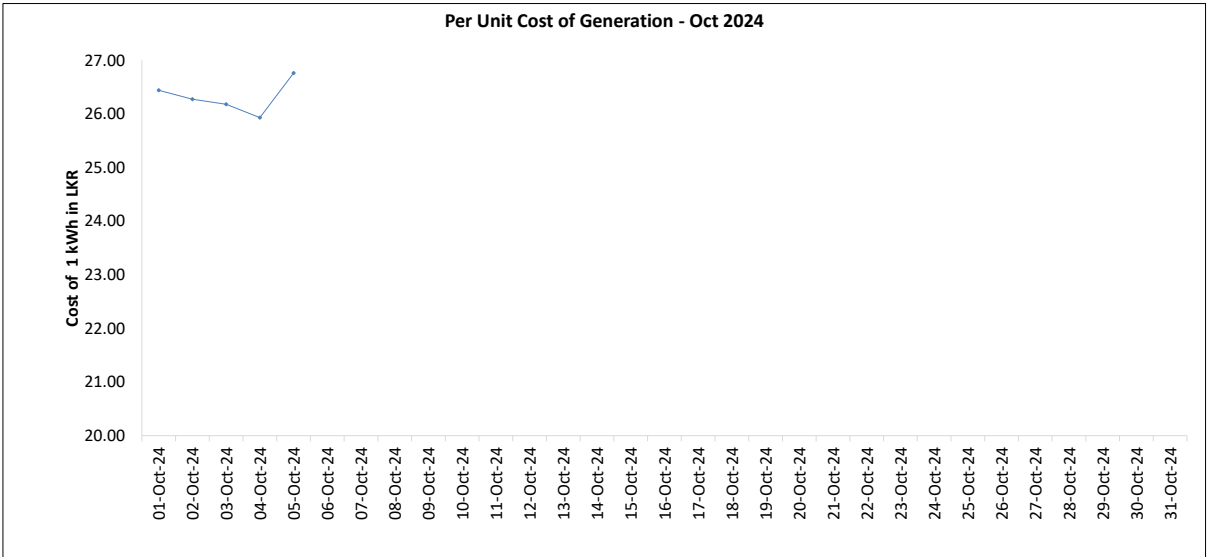
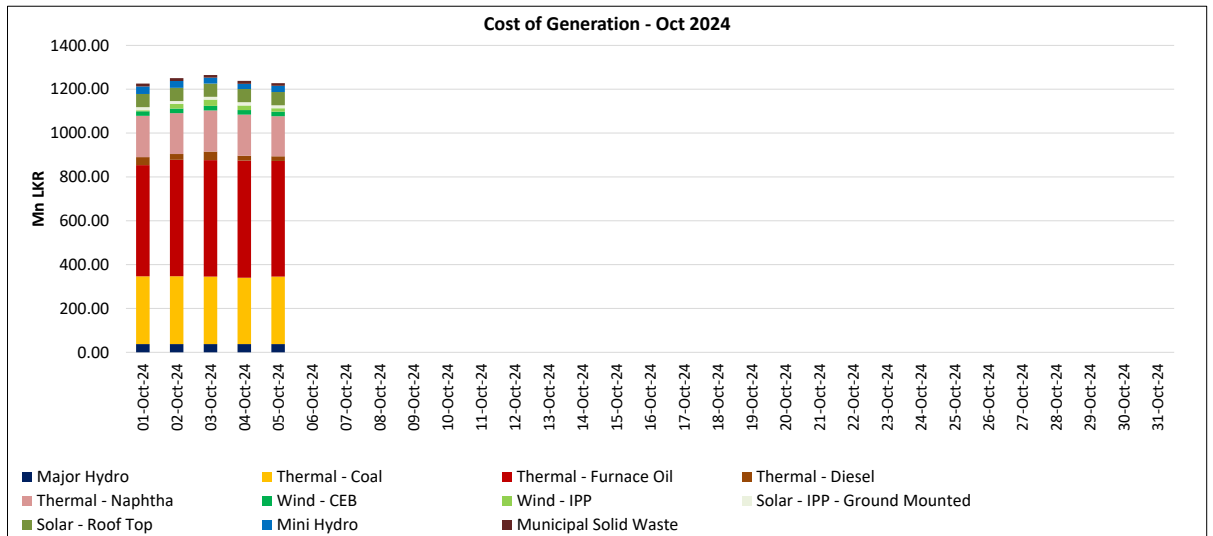
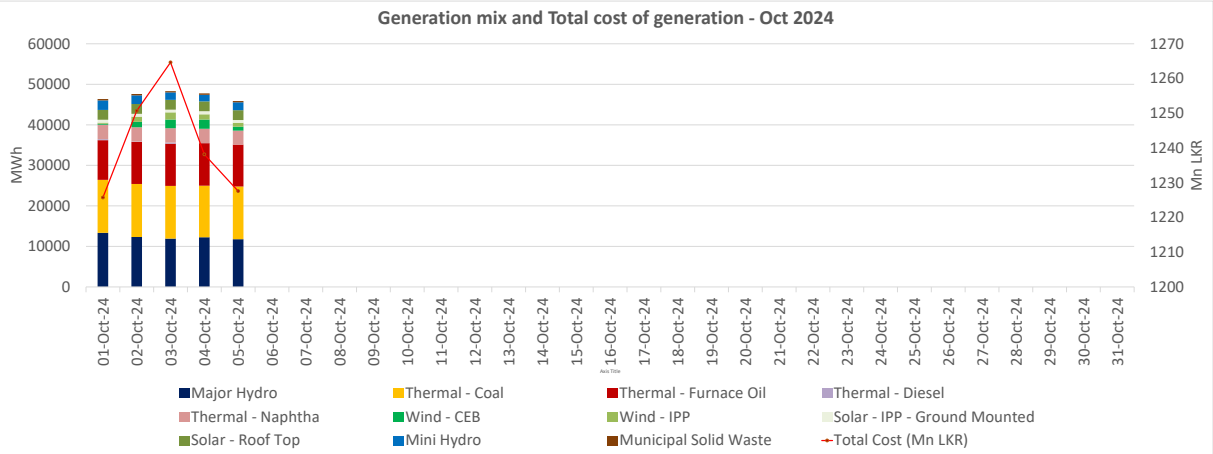
	Price (LKR/Liter or LKR/kg)
Furnace	191.00
Coal	44.20
Naphtha	191.16
Auto Diesel	283.00

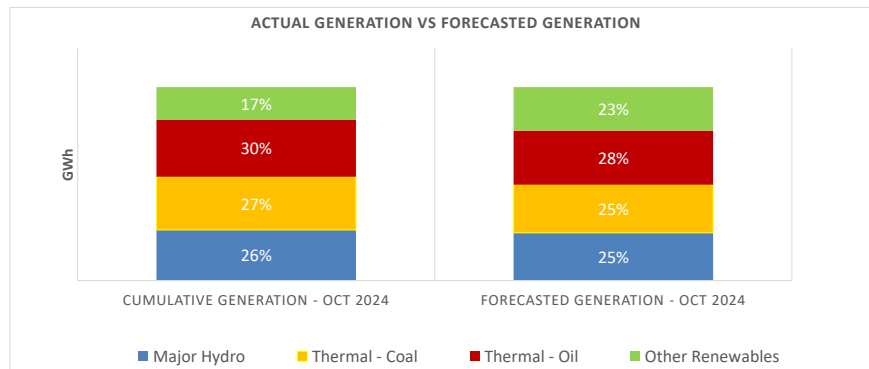
Scheduled (Day Ahead) Generation Mix - 5th Oct 2024 (Excluding generation from non telemetered power plants)		
Plant Type	Generation (GWh)	Percentage
Major Hydro	11.9	27%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	11.1	25%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	2.2	5%
Wind - IPP		
Solar	0.4	1%
Mini Hydro	1.74	4%
Total	43.87	

Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 1186.72 Mn LKR

Actual Generation Mix - 5th Oct 2024 (Excluding generation from non telemetered power plants)		
Plant Type	Generation (GWh)	Percentage
Major Hydro	11.8	28%
Thermal - Coal	13.0	31%
Thermal - Furnace Oil	10.3	24%
Thermal - Diesel	0.00	0%
Thermal - Naphtha	3.5	8%
Wind - CEB	1.0	2%
Wind - IPP	1.0	2%
Solar	0.7	2%
Mini Hydro	1.4	3%
Total	42.62	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 1144.63 Mn LKR





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	62	347
Thermal - Coal	65	350
Thermal - Oil	70	393
Other Renewables	40	317
Total	236	1407

Forecasted Generation - SDDP Sept 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

Major Hydro	187.95 Mn LKR
Thermal - Coal	1537.08 Mn LKR
Thermal - Furnace Oil	2630.81 Mn LKR
Thermal - Diesel	145.19 Mn LKR
Thermal - Naphtha	932.54 Mn LKR
Wind - CEB	104.27 Mn LKR
Wind - IPP	90.32 Mn LKR
Solar - IPP - Ground Mounted	69.21 Mn LKR
Solar - Roof Top	301.50 Mn LKR
Mini Hydro	144.61 Mn LKR
Municipal Solid Waste	63.35 Mn LKR
Total Generation Cost	6,206.83 Mn LKR

Generation Energy Cost (Oct)	5,124.81 Mn LKR
*Generation Capacity Cost (Oct)	881.01 Mn LKR
Other Cost (Oct)	201.00 Mn LKR
Average Unit Cost of Generation (Oct)	26.31 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.