



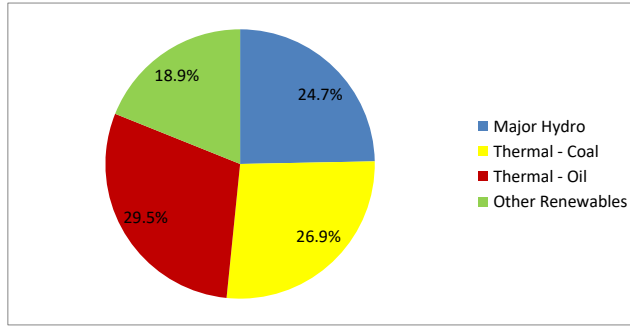
Daily Electricity Generation & Cost Estimation Report

3rd October 2024



Daily Generation Mix -3rd Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.93	24.7%
Thermal - Coal	13.00	26.9%
Thermal - Furnace Oil	10.42	21.6%
Thermal - Diesel	0.28	0.6%
Thermal - Naphtha	3.54	7.3%
Wind - CEB	2.13	4.4%
Wind - IPP	1.78	3.7%
Solar - IPP - Ground Mounted	0.66	1.4%
Solar - Roof Top	2.42	5.0%
Mini Hydro	1.85	3.8%
Municipal Solid Waste	0.30	0.6%
Total	48.31	



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

Estimated Generation Cost : 3rd 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	3.15	3.15
Thermal - Coal	236.0	27.5	44.5	307.9	18.15	2.11	3.43	23.68
Thermal - Furnace Oil	471.3	9.4	50.3	530.9	45.25	0.90	4.83	50.97
Thermal - Diesel	17.9	1.5	19.8	39.1	63.48	5.15	70.06	138.69
Thermal - Naphtha	182.3	1.9	3.2	187.4	51.52	0.54	0.90	52.96
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	9.78	9.78
Wind - IPP	28.6	0.0	0.0	28.6	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	12.9	0.0	0.0	12.9	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	27.0	0.0	0.0	27.0	14.61	0.00	0.00	14.61
Municipal Solid Waste	11.9	0.0	0.0	11.9	39.30	0.00	0.00	39.30
Total	1048.2	40.2	176.2	1264.6	21.70	0.83	3.65	26.18

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 : **26.18 LKR/kWh**
 Total Generation Cost for the day: **1264.64 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 - 3rd Oct 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.9	27%
Thermal - Coal	12.9	29%
Thermal - Furnace Oil	10.0	23%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB		
Wind - IPP	2.8	6%
Solar	0.3	1%
Mini Hydro	2.58	6%
Total	44.11	

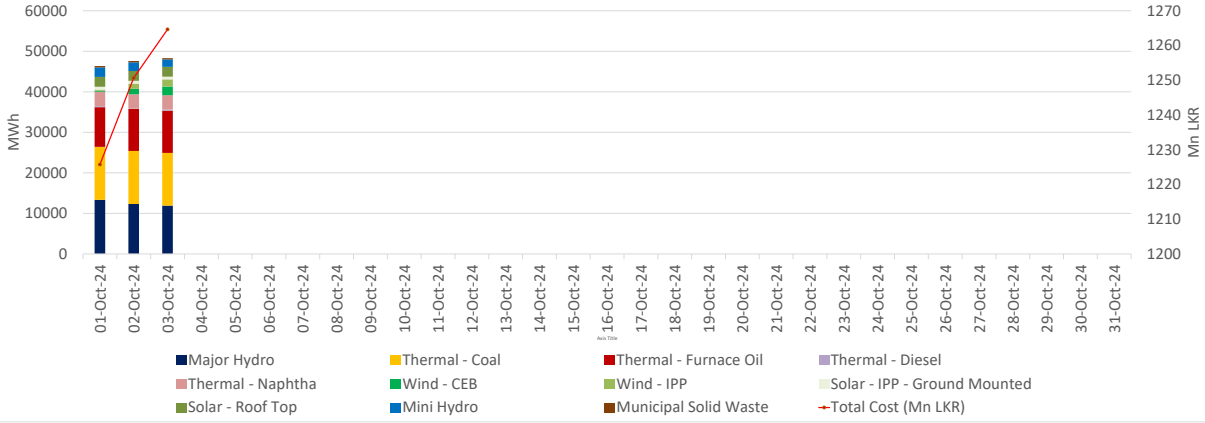
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1152.81 Mn LKR**

Actual Generation Mix - 3rd Oct 2024 (Excluding generation from non telemetered power plants)

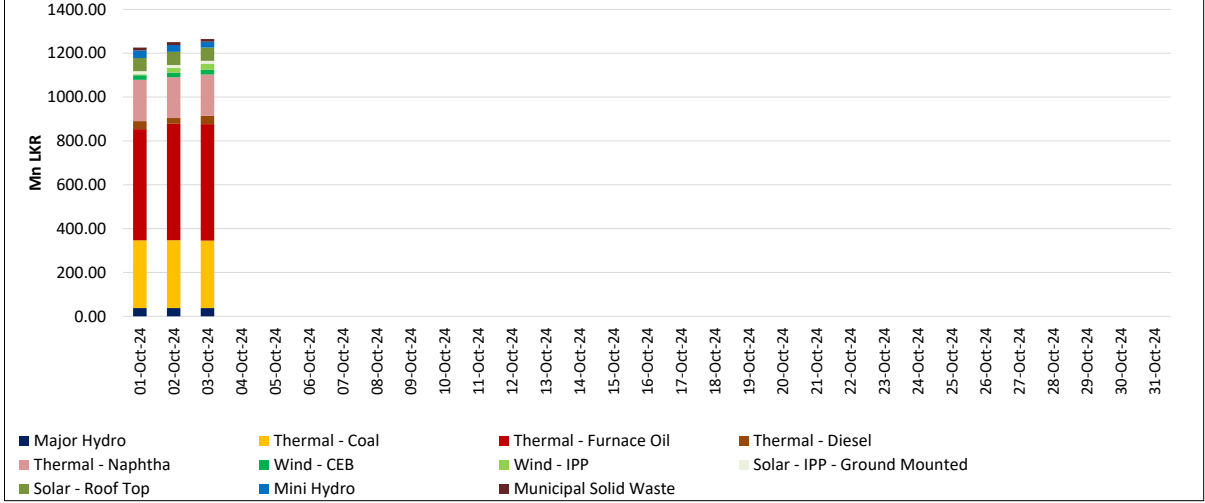
Plant Type	Generation (GWh)	Percentage
Major Hydro	11.9	26%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	10.4	23%
Thermal - Diesel	0.28	1%
Thermal - Naphtha	3.5	8%
Wind - CEB	2.1	5%
Wind - IPP	1.8	4%
Solar	0.7	1%
Mini Hydro	1.7	4%
Total	45.48	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1187.86 Mn LKR**

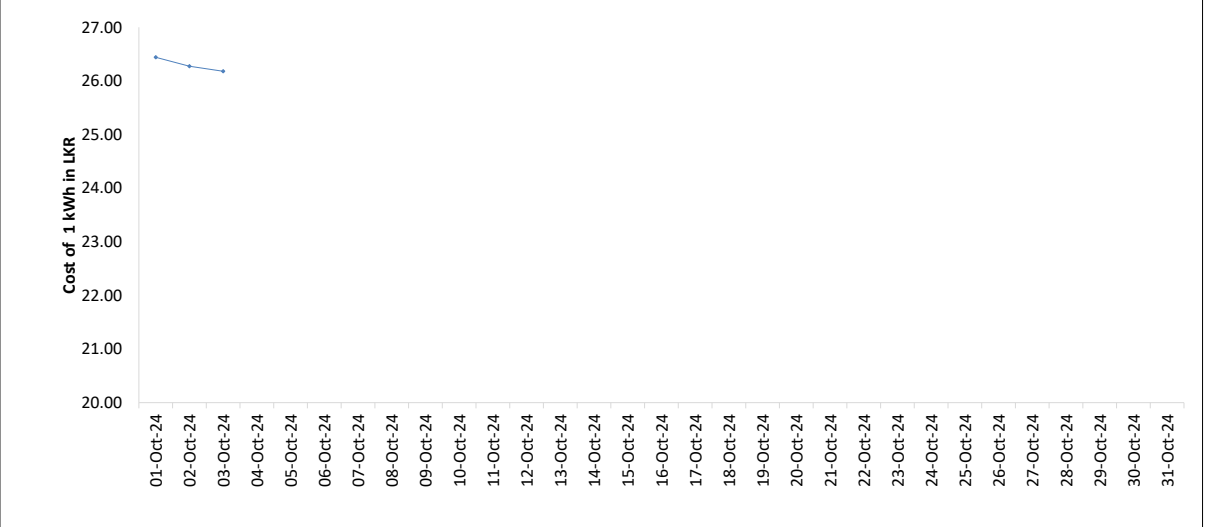
Generation mix and Total cost of generation - Oct 2024

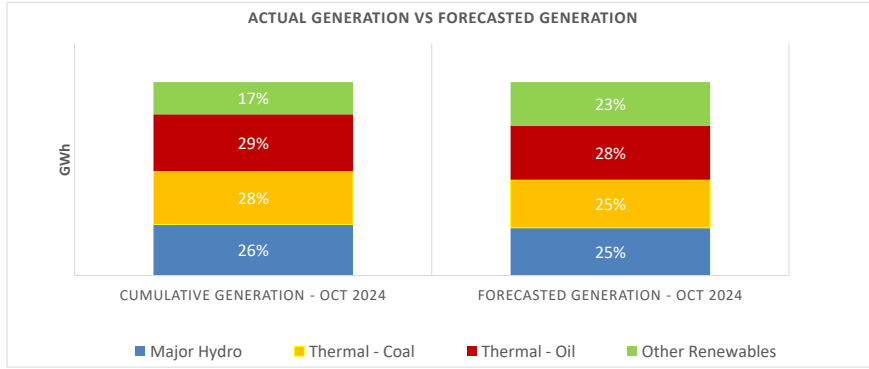


Cost of Generation - Oct 2024



Per Unit Cost of Generation - Oct 2024





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	38	347
Thermal - Coal	39	350
Thermal - Oil	42	393
Other Renewables	24	317
Total	142	1407

Forecasted Generation - SDDP Sept 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

Major Hydro	112.77 Mn LKR
Thermal - Coal	926.54 Mn LKR
Thermal - Furnace Oil	1569.15 Mn LKR
Thermal - Diesel	101.96 Mn LKR
Thermal - Naphtha	562.25 Mn LKR
Wind - CEB	62.56 Mn LKR
Wind - IPP	53.71 Mn LKR
Solar - IPP - Ground Mounted	40.72 Mn LKR
Solar - Roof Top	180.90 Mn LKR
Mini Hydro	92.35 Mn LKR
Municipal Solid Waste	38.16 Mn LKR
Total Generation Cost	3,741.08 Mn LKR

Generation Energy Cost (Oct) 3,091.87 Mn LKR

*Generation Capacity Cost (Oct) 528.61 Mn LKR

Other Cost (Oct) 120.60 Mn LKR

Average Unit Cost of Generation (Oct) 26.30 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.