



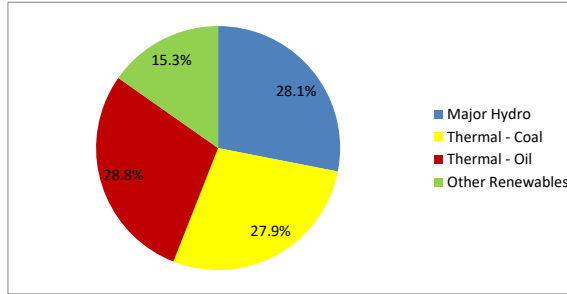
Daily Electricity Generation & Cost Estimation Report

30th October 2024



Daily Generation Mix -30th Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.12	28.1%
Thermal - Coal	13.04	27.9%
Thermal - Furnace Oil	9.90	21.2%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.54	7.6%
Wind - CEB	0.64	1.4%
Wind - IPP	0.39	0.8%
Solar - IPP - Ground Mounted	0.62	1.3%
Solar - Roof Top	2.42	5.2%
Mini Hydro	2.84	6.1%
Municipal Solid Waste	0.22	0.5%
Total	46.73	



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

Estimated Generation Cost : 30th 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	38.8	38.8	0.00	0.00	2.96	2.96
Thermal - Coal	232.6	28.4	46.0	307.0	17.85	2.18	3.53	23.55
Thermal - Furnace Oil	454.6	9.7	51.9	516.2	45.91	0.98	5.25	52.13
Thermal - Diesel	0.0	1.5	20.4	21.9	0.00	0.00	0.00	0.00
Thermal - Naphtha	158.5	2.0	3.3	163.8	44.74	0.56	0.93	46.23
Wind - CEB	0.0	0.0	21.5	21.5	0.00	0.00	33.46	33.46
Wind - IPP	6.3	0.0	0.0	6.3	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	12.1	0.0	0.0	12.1	19.58	0.00	0.00	19.58
Solar - Roof Top	60.3	0.0	0.0	60.3	24.92	0.00	0.00	24.92
Mini Hydro	38.5	0.0	0.0	38.5	13.59	0.00	0.00	13.59
Municipal Solid Waste	8.5	0.0	0.0	8.5	39.00	0.00	0.00	39.00
Total	971.5	41.5	182.1	1,195.1	20.79	0.89	3.90	25.57

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 : **25.57 LKR/kWh**
 Total Generation Cost for the day: **1195.14 Mn LKR**

Fuel Prices

(as at 17th Oct 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	43.47
Naphtha	166.00
Auto Diesel	283.00

Scheduled (Day Ahead) Generation Mix - 30th Oct 2024 (Excluding generation from non telemetered power plants)

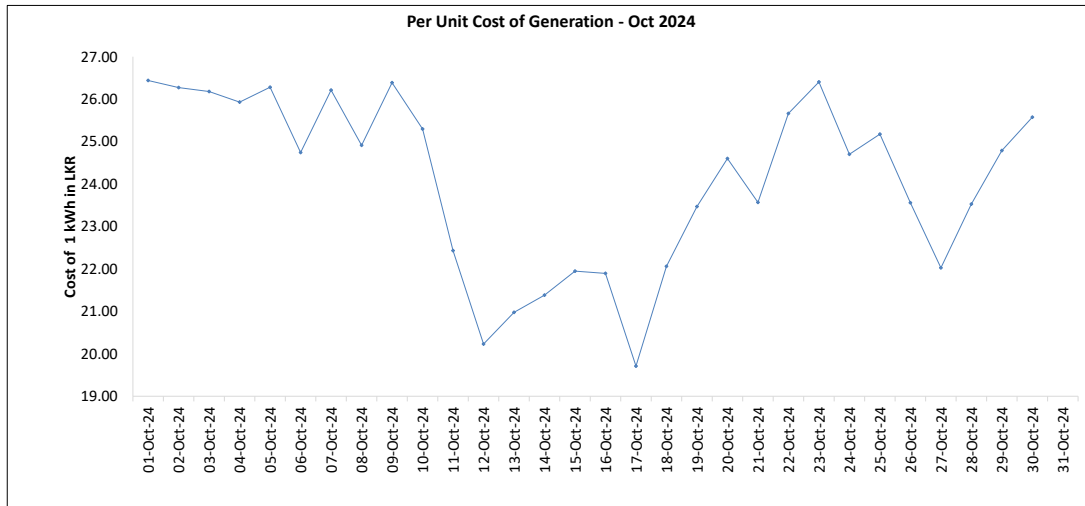
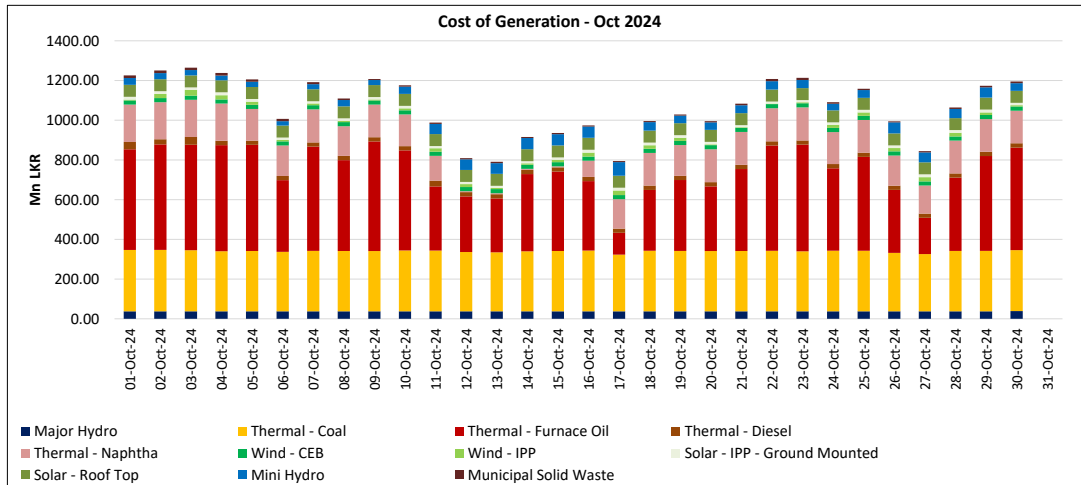
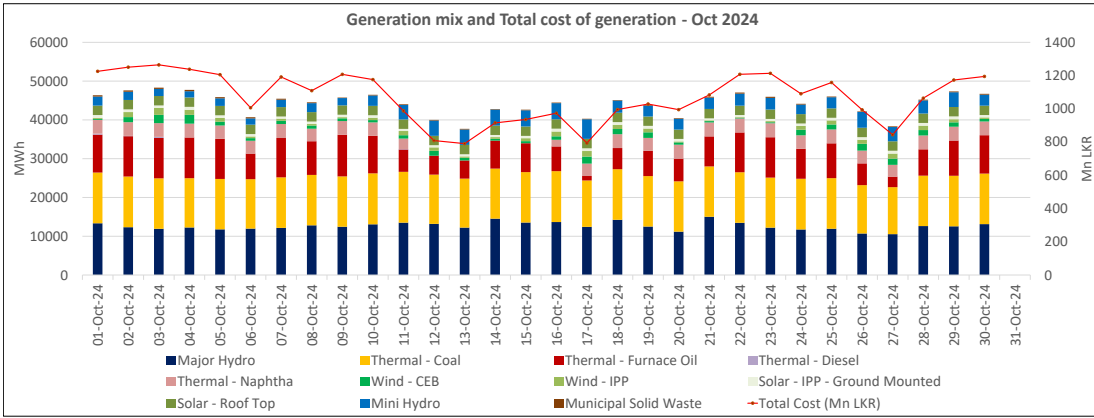
Plant Type	Generation (GWh)	Percentage
Major Hydro	11.7	28%
Thermal - Coal	12.9	30%
Thermal - Furnace Oil	9.4	22%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.4	8%
Wind - CEB		
Wind - IPP	1.2	3%
BMP	0.2	1%
Solar	0.5	1%
Mini Hydro	3.1	7%
Total	42.45	

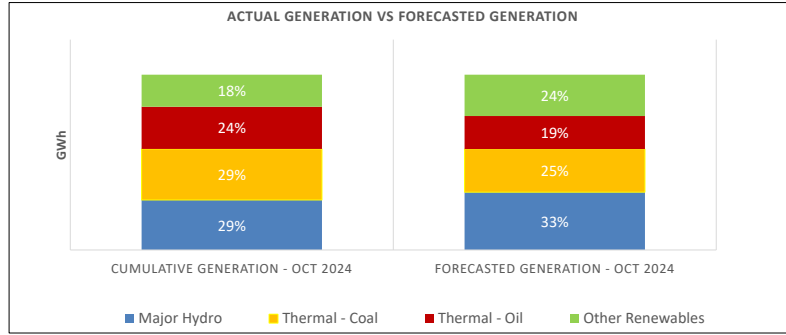
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1,106 Mn LKR**

Actual Generation Mix - 30th Oct 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.1	30%
Thermal - Coal	13.0	30%
Thermal - Furnace Oil	9.9	22%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.5	8%
Wind - CEB	0.6	1%
Wind - IPP	0.4	1%
BMP	0.2	0.5%
Solar	0.6	1%
Mini Hydro	2.7	6%
Total	44.15	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1,133 Mn LKR**





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	379	470
Thermal - Coal	387	350
Thermal - Oil	320	269
Other Renewables	243	336
Total	1329	1425

Forecasted Generation - SDDP Oct 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

Major Hydro	1,129 Mn LKR
Thermal - Coal	9,084 Mn LKR
Thermal - Furnace Oil	12,381 Mn LKR
Thermal - Diesel	685 Mn LKR
Thermal - Naphtha	4,174 Mn LKR
Wind - CEB	626 Mn LKR
Wind - IPP	384 Mn LKR
Solar - IPP - Ground Mounted	378 Mn LKR
Solar - Roof Top	1,809 Mn LKR
Mini Hydro	1,238 Mn LKR
Municipal Solid Waste	241 Mn LKR
Total Generation Cost	32,128 Mn LKR

Generation Energy Cost (Oct) 25,629 Mn LKR

*Generation Capacity Cost (Oct) 5,292 Mn LKR

Other Cost (Oct) 1,207 Mn LKR

Average Unit Cost of Generation (Oct) 24.17 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.