



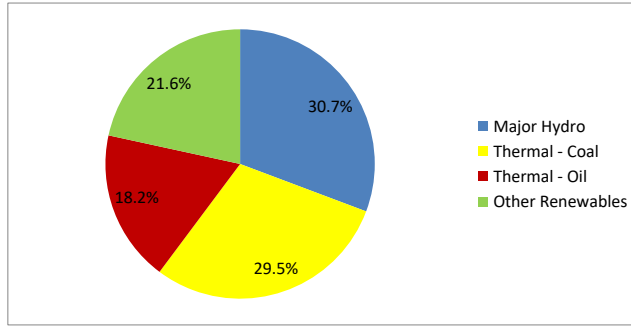
Daily Electricity Generation & Cost Estimation Report

16th October 2024



Daily Generation Mix -16th Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.67	30.7%
Thermal - Coal	13.11	29.5%
Thermal - Furnace Oil	6.39	14.4%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	1.71	3.8%
Wind - CEB	0.90	2.0%
Wind - IPP	1.24	2.8%
Solar - IPP - Ground Mounted	0.73	1.6%
Solar - Roof Top	2.42	5.4%
Mini Hydro	4.17	9.4%
Municipal Solid Waste	0.14	0.3%
Total	44.48	



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

Estimated Generation Cost : 16th 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	2.75	2.75
Thermal - Coal	237.9	27.5	44.5	309.9	18.15	2.09	3.40	23.64
Thermal - Furnace Oil	283.3	9.4	50.3	342.9	44.36	1.47	7.87	53.70
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	88.0	1.9	3.2	93.2	51.52	1.12	1.87	54.51
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	23.12	23.12
Wind - IPP	20.0	0.0	0.0	20.0	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	14.3	0.0	0.0	14.3	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	56.7	0.0	0.0	56.7	13.59	0.00	0.00	13.59
Municipal Solid Waste	5.6	0.0	0.0	5.6	39.00	0.00	0.00	39.00
Total	766.1	40.2	176.2	982.5	17.22	0.90	3.96	22.09

Note -

Start/Stop costs has been excluded in the calculation

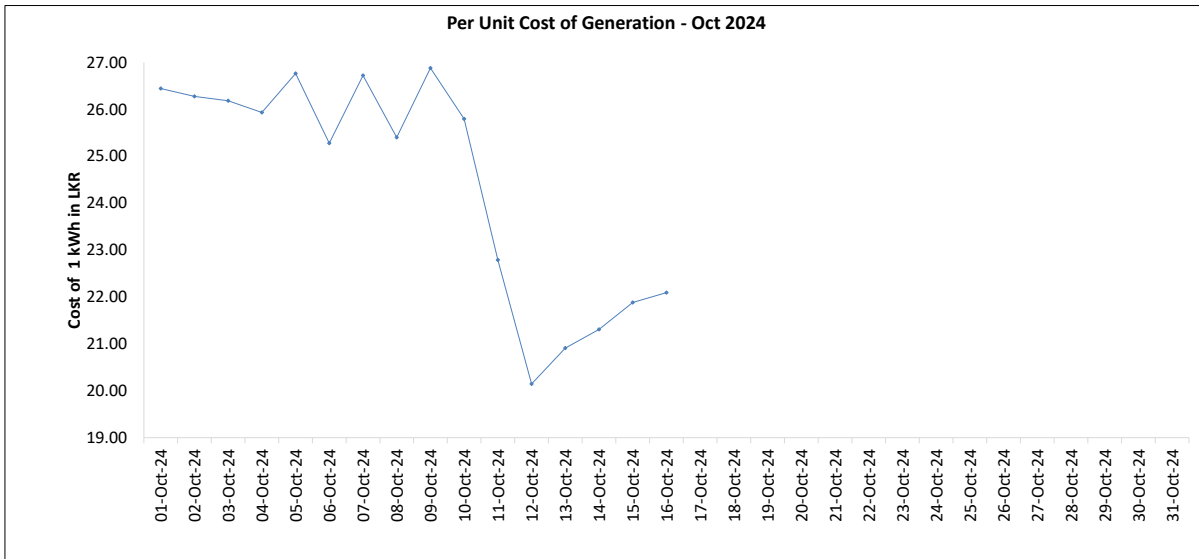
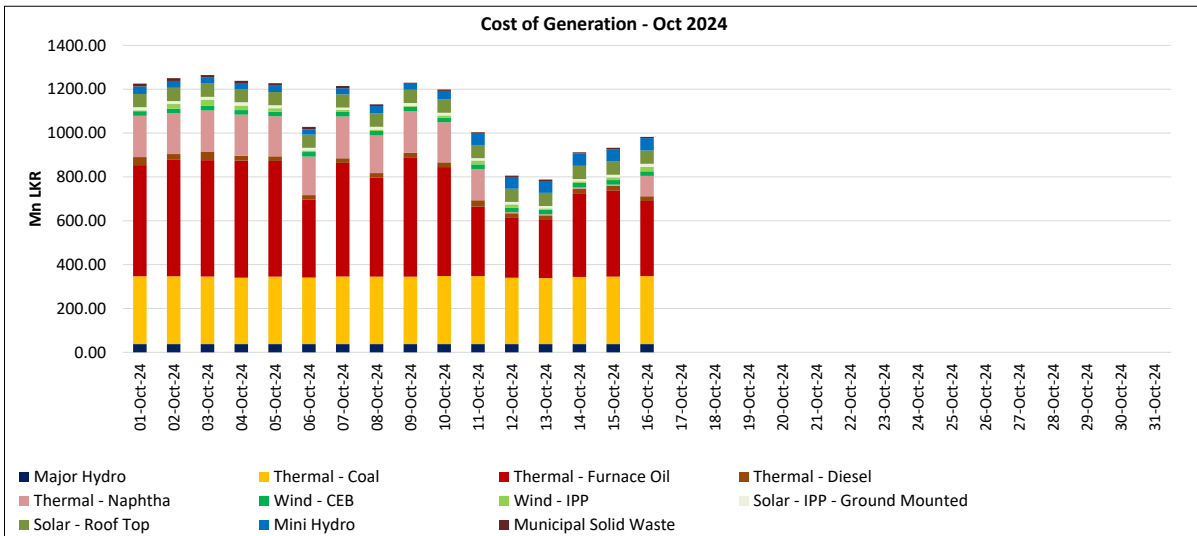
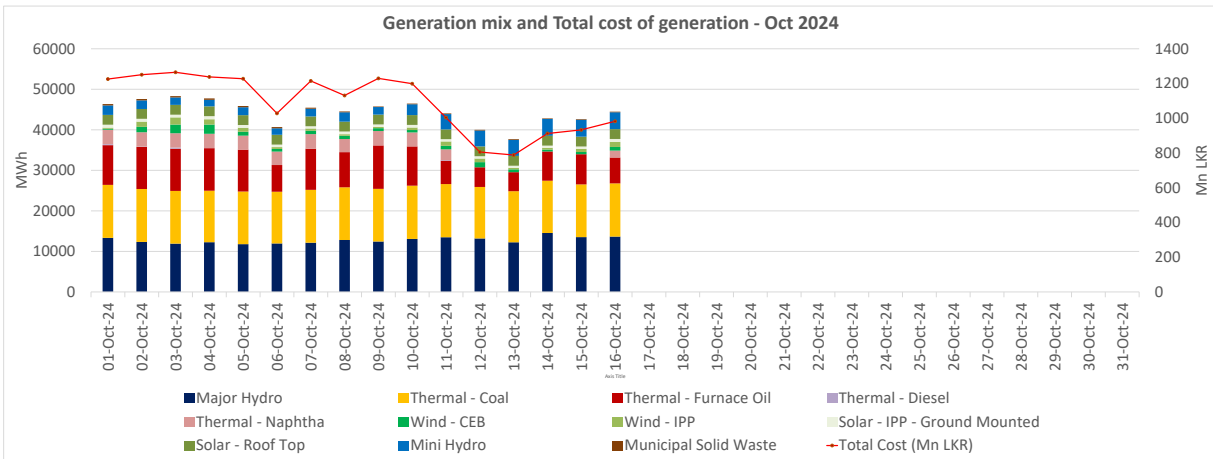
Capacity cost is based on the approved BST submission.

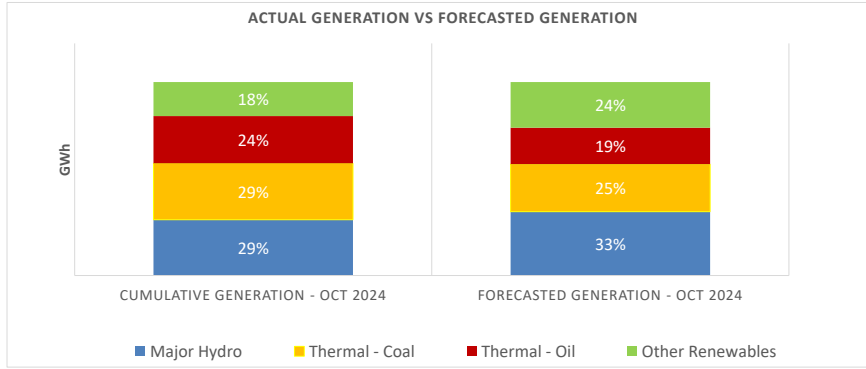
Unit Cost of Generation for the day : **22.09 LKR/kWh**
 Total Generation Cost for the day: **982.48 Mn LKR**

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





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	205	470
Thermal - Coal	207	350
Thermal - Oil	174	269
Other Renewables	125	336
Total	710	1425

Forecasted Generation - SDDP Oct 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

Major Hydro	601.44 Mn LKR
Thermal - Coal	4912.23 Mn LKR
Thermal - Furnace Oil	6968.20 Mn LKR
Thermal - Diesel	386.49 Mn LKR
Thermal - Naphtha	2098.84 Mn LKR
Wind - CEB	333.67 Mn LKR
Wind - IPP	204.63 Mn LKR
Solar - IPP - Ground Mounted	198.83 Mn LKR
Solar - Roof Top	964.81 Mn LKR
Mini Hydro	625.05 Mn LKR
Municipal Solid Waste	140.76 Mn LKR
Total Generation Cost	17,434.95 Mn LKR

Generation Energy Cost (Oct) 13,972.50 Mn LKR

*Generation Capacity Cost (Oct) 2,819.24 Mn LKR

Other Cost (Oct) 643.21 Mn LKR

Average Unit Cost of Generation (Oct) 24.54 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.