



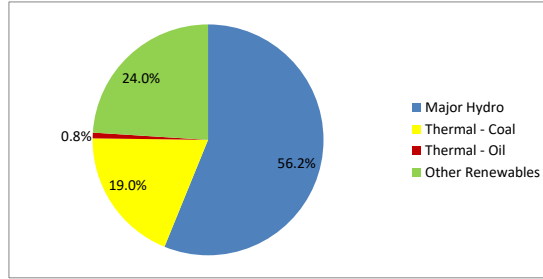
Daily Electricity Generation & Cost Estimation Report

29th November 2024



Daily Generation Mix -29th Nov 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.48	56.2%
Thermal - Coal	8.64	19.0%
Thermal - Furnace Oil	0.28	0.6%
Thermal - Diesel	0.01	0.0%
Thermal - Naphtha	0.07	0.1%
Wind - CEB	0.48	1.1%
Wind - IPP	0.63	1.4%
Solar - IPP - Ground Mounted	0.47	1.0%
Solar - Roof Top	2.77	6.1%
Mini Hydro	6.08	13.4%
Municipal Solid Waste	0.46	1.0%
Total	45.37	



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

Estimated Generation Cost : 29th Nov 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	37.8	37.8	0.00	0.00	1.48	1.48
Thermal - Coal	161.9	27.5	44.8	234.2	18.74	3.18	5.19	27.11
Thermal - Furnace Oil	12.3	9.4	50.3	71.9	43.98	33.62	180.16	257.76
Thermal - Diesel	1.0	1.5	19.3	21.7	73.82	111.70	1486.91	1672.43
Thermal - Naphtha	3.0	1.9	3.2	8.2	44.74	28.23	46.95	119.92
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	43.47	43.47
Wind - IPP	10.2	0.0	0.0	10.2	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	9.1	0.0	0.0	9.1	19.58	0.00	0.00	19.58
Solar - Roof Top	69.0	0.0	0.0	69.0	24.92	0.00	0.00	24.92
Mini Hydro	82.6	0.0	0.0	82.6	13.59	0.00	0.00	13.59
Municipal Solid Waste	18.1	0.0	0.0	18.1	39.00	0.00	0.00	39.00
Total	367.2	40.2	176.3	583.7	8.09	0.89	3.89	12.87

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 :

12.87 LKR/kWh

Total Generation Cost for the day:

583.69 Mn LKR

Fuel Prices

(as at 11th Nov 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	199.00
Coal	45.65
Naphtha	166.00
Auto Diesel	283.00

Scheduled (Day Ahead) Generation Mix - 29th Nov 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	23.1	57%
Thermal - Coal	8.9	22%
Thermal - Furnace Oil	0.6	1%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.0	0%
Wind - CEB	2.6	6%
Wind - IPP		
BMP	0.5	1%
Solar	0.3	1%
Mini Hydro	4.9	12%
Total	40.81	

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

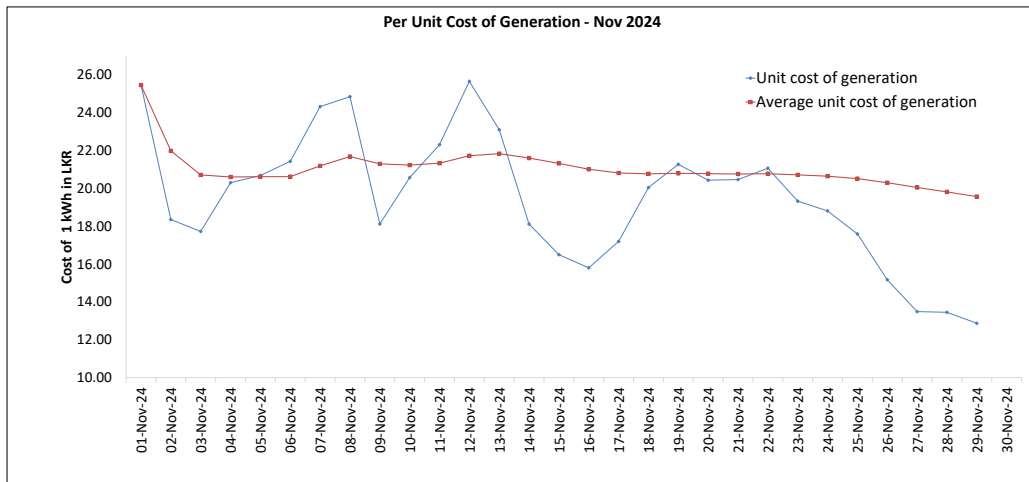
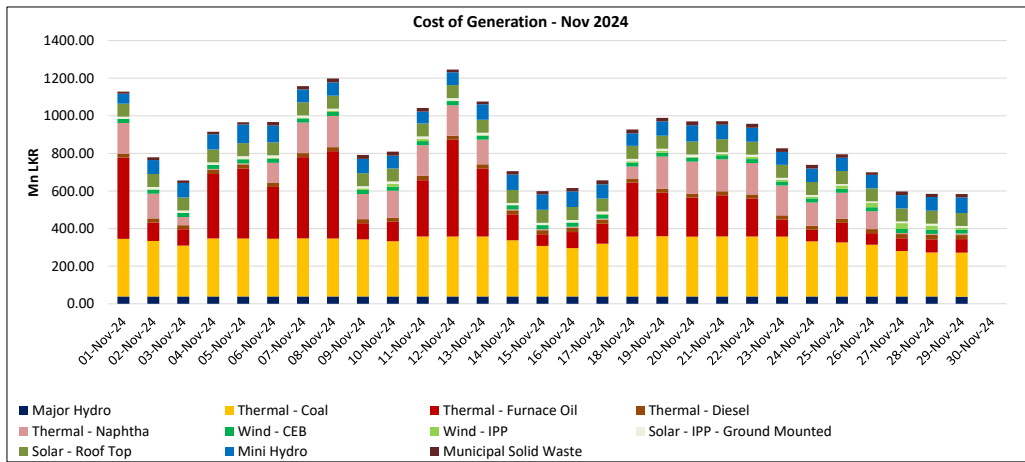
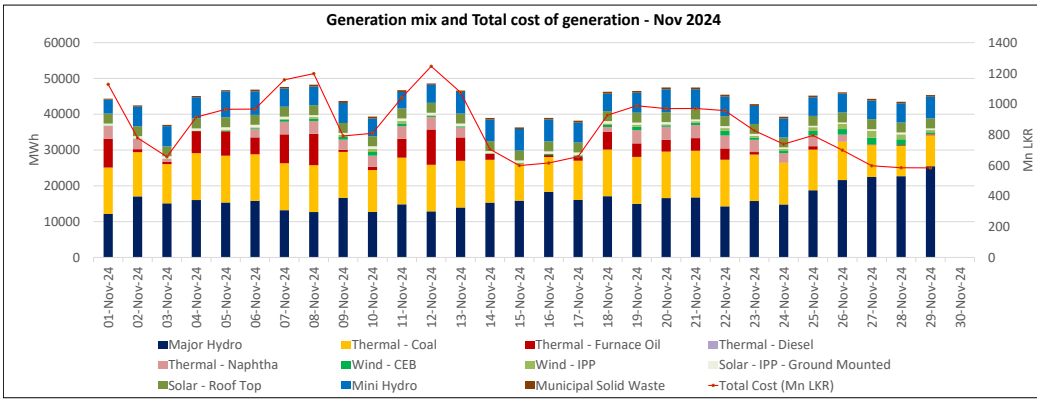
521 Mn LKR

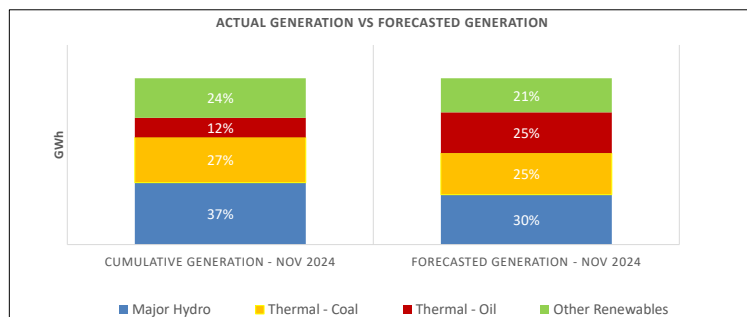
Actual Generation Mix - 29th Nov 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	25.5	60%
Thermal - Coal	8.6	20%
Thermal - Furnace Oil	0.3	1%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	0.1	0%
Wind - CEB	0.5	1%
Wind - IPP	0.6	1%
BMP	0.5	1.1%
Solar	0.5	1%
Mini Hydro	5.7	14%
Total	42.25	

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

510 Mn LKR





	Cumulative Generation - Nov 2024 [GWh]	Forecasted Generation - Nov 2024 [GWh]
Major Hydro	475	408
Thermal - Coal	346	338
Thermal - Oil	151	333
Other Renewables	303	278
Total	1276	1357

Forecasted Generation - SDDP Nov 2024

Estimated Cost of Generation - Nov 2024 (Mn LKR)

Major Hydro	1,132 Mn LKR
Thermal - Coal	8,547 Mn LKR
Thermal - Furnace Oil	5,939 Mn LKR
Thermal - Diesel	629 Mn LKR
Thermal - Naphtha	2,814 Mn LKR
Wind - CEB	625 Mn LKR
Wind - IPP	235 Mn LKR
Solar - IPP - Ground Mounted	332 Mn LKR
Solar - Roof Top	2,002 Mn LKR
Mini Hydro	2,182 Mn LKR
Municipal Solid Waste	511 Mn LKR
Total Generation Cost	24,946 Mn LKR

Generation Energy Cost (Nov) 18,389 Mn LKR

*Generation Capacity Cost (Nov) 5,277 Mn LKR

Other Cost (Nov) 1,203 Mn LKR

Average Unit Cost of Generation (Nov) 19.55 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.