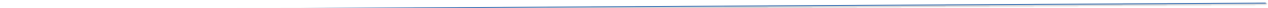




Daily Electricity Generation & Cost Estimation Report

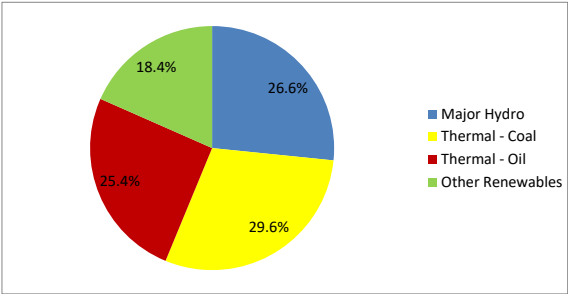


24thOctober 2024



Daily Generation Mix -24th Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.75	26.6%
Thermal - Coal	13.08	29.6%
Thermal - Furnace Oil	7.72	17.5%
Thermal - Diesel	0.00	0.0%
Thermal - Naphtha	3.49	7.9%
Wind - CEB	1.44	3.3%
Wind - IPP	0.98	2.2%
Solar - IPP - Ground Mounted	0.63	1.4%
Solar - Roof Top	2.42	5.5%
Mini Hydro	2.46	5.6%
Municipal Solid Waste	0.20	0.4%
Total	44.16	



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

Estimated Generation Cost : 24thOct 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	3.20	3.20
Thermal - Coal	233.5	27.5	44.5	305.5	17.85	2.10	3.40	23.35
Thermal - Furnace Oil	355.4	9.4	50.3	415.0	46.06	1.22	6.52	53.79
Thermal - Diesel	0.0	1.5	19.8	21.2	0.00	0.00	0.00	0.00
Thermal - Naphtha	155.9	1.9	3.2	161.0	44.74	0.55	0.92	46.20
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	14.48	14.48
Wind - IPP	15.9	0.0	0.0	15.9	16.15	0.00	0.00	16.15
Solar - IPP - Ground Mounted	12.3	0.0	0.0	12.3	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	33.4	0.0	0.0	33.4	13.59	0.00	0.00	13.59
Municipal Solid Waste	7.7	0.0	0.0	7.7	39.00	0.00	0.00	39.00
Total	874.3	40.2	176.2	1090.7	19.80	0.91	3.99	24.70

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 : 24.70 LKR/kWh
Total Generation Cost for the day: 1090.69 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 - 24th Oct 2024 (Excluding generation from non telemetered power plants)

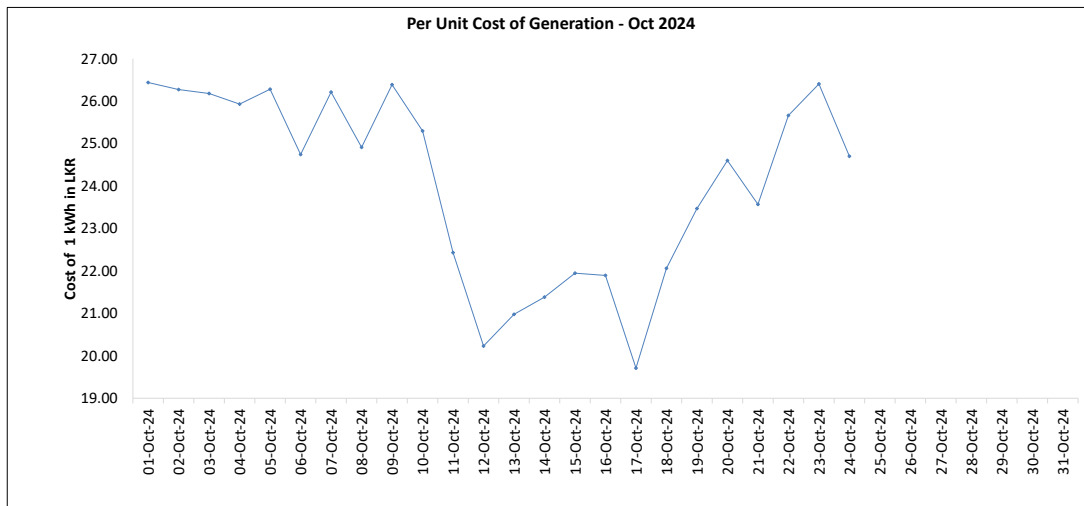
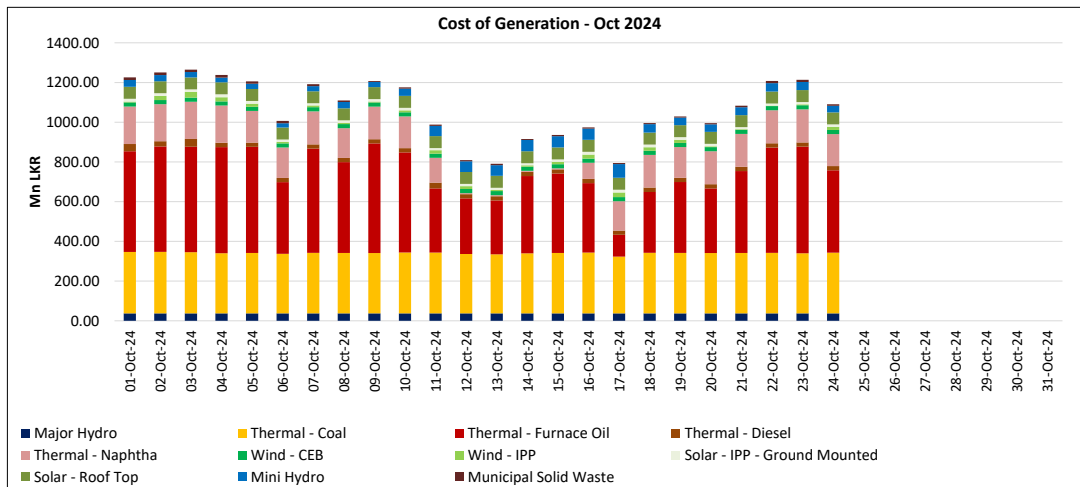
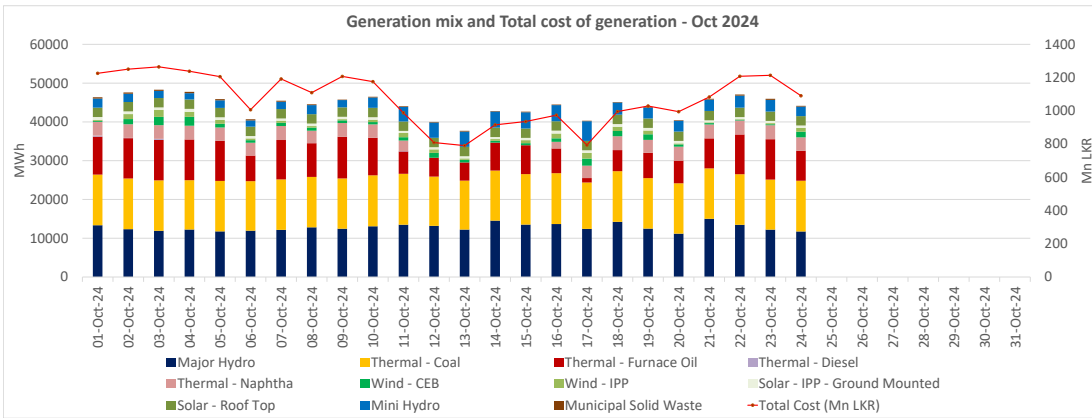
Plant Type	Generation (GWh)	Percentage
Major Hydro	12.8	29%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	10.5	24%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	1.0	2%
Wind - IPP		
BMP	0.3	1%
Solar	0.3	1%
Mini Hydro	3.2	7%
Total	44.55	

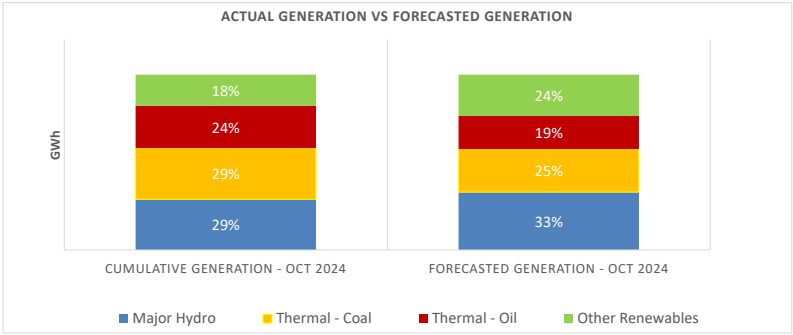
Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) 1157.10 Mn LKR

Actual Generation Mix - 24th Oct 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	11.7	28%
Thermal - Coal	13.1	31%
Thermal - Furnace Oil	7.7	19%
Thermal - Diesel	0.00	0%
Thermal - Naphtha	3.5	8%
Wind - CEB	1.4	3%
Wind - IPP	1.0	2%
BMP	0.2	0.5%
Solar	0.6	2%
Mini Hydro	2.3	6%
Total	41.60	

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) 1028.50 Mn LKR





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	308	470
Thermal - Coal	310	350
Thermal - Oil	257	269
Other Renewables	189	336
Total	1063	1425

Forecasted Generation - SDDP Oct 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

Major Hydro	902.17 Mn LKR
Thermal - Coal	7280.54 Mn LKR
Thermal - Furnace Oil	10044.65 Mn LKR
Thermal - Diesel	557.19 Mn LKR
Thermal - Naphtha	3221.95 Mn LKR
Wind - CEB	500.50 Mn LKR
Wind - IPP	291.66 Mn LKR
Solar - IPP - Ground Mounted	296.60 Mn LKR
Solar - Roof Top	1447.22 Mn LKR
Mini Hydro	956.45 Mn LKR
Municipal Solid Waste	199.74 Mn LKR
Total Generation Cost	25,698.68 Mn LKR

Generation Energy Cost (Oct)	20,505.00 Mn LKR
*Generation Capacity Cost (Oct)	4,228.86 Mn LKR
Other Cost (Oct)	964.82 Mn LKR

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

* Capacity cost is based on the approved BST submission.