

**Comparison of Key Statistics in Monthly MMC Reports**

S.No.	Particular	Jul-23	Jun-24	Jul-24	Change over the Month (Jun-24 to Jul-24)	Change over the Year (Jul-23 to Jul-24)
<b>I</b>	<b>Generation and Transaction</b>					
1	Total Generation (in MUs)	125912.87	139241.95	134849.67	-3.15%	7.10%
2	Total Short Term Transactions (in MUs)	19761.73	22426.85	23371.54	4.21%	18.27%
2.1	Bilateral (in MUs)	10698.37	10855.03	11021.06	1.53%	3.02%
2.2	Through Power Exchanges (in MUs)	6719.10	8732.33	9377.91	7.39%	39.57%
3	DSM Volume	2344.26	2839.49	2972.57	4.69%	26.80%
4	Short Term Transactions & DSM as percentage of Total Generation	15.69%	16.11%	17.33%	1.23%	1.64%
5	Share of Top 5 Trading Licensees	77.78%	81.77%	80.79%	-0.97%	3.01%
6	HHI Index for Traders	0.1667	0.1708	0.1773		
<b>II</b>	<b>Volume, Price and Congestion</b>					
	<b>A. Bilateral Market</b>					
7	Weighted Average Price (Rs/kWh)	6.85	7.67	6.60	-13.94%	-3.72%
	<b>B. Power Exchanges</b>					
	<b>a. IEX</b>					
	<b>i. Day Ahead Market</b>					
8	Market Clearing Volume (in MUs)	3966.20	4836.23	5070.64	4.85%	27.85%
9	Weighted Average Price (Rs/kWh)	4.47	4.63	4.55	-1.59%	1.87%
10	Ratio of Buy Bid to Sell Bid Volume	0.83	1.00	0.87		
11	Congestion Percentage	0.00%	14.93%	14.72%		
	<b>ii. Term Ahead Market</b>					
12	Volume of Transactions	1035.72	1377.79	711.81	-48.34%	-31.27%
13	Weighted Average Price (Rs/kWh)	5.35	8.28	7.40	-10.55%	38.40%
	<b>iii. Real Time Market</b>					
14	Market Clearing Volume (in MUs)	2540.45	3212.50	3333.89	3.78%	31.23%
15	Weighted Average Price (Rs/kWh)	4.55	4.62	4.30	-6.94%	-5.61%
16	Ratio of Buy Bid to Sell Bid Volume	0.95	0.97	1.05		
17	Congestion Percentage	0.20%	16.77%	18.68%		
	<b>iv. Green Term Ahead Market</b>					
18	Volume of Transactions	62.46	63.99	17.57	-72.53%	-71.86%
19	Weighted Average Price (Rs/kWh)	4.74	6.22	6.34	1.95%	33.75%
	<b>v. Green Day Ahead Market</b>					
20	Market Clearing Volume (in MUs)	212.14	677.06	968.48	43.04%	356.52%
21	Weighted Average Price (Rs/kWh)	4.31	4.06	4.29	5.69%	-0.47%
22	Ratio of Buy Bid to Sell Bid Volume	1.75	1.59	2.13		
23	Congestion Percentage	0.00%	6.67%	7.59%		

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<b>vi. High Price Day Ahead Market</b>						
24	Market Clearing Volume (in MUs)	0.30	0.20	0.20	0.00%	-34.13%
25	Weighted Average Price (Rs/kWh)	10.91	11.26	15.00	33.27%	37.54%
26	Ratio of Buy Bid to Sell Bid Volume	0.00	0.000	0.000		
27	Congestion Percentage	0.00%	0.00%	0.00%		
<b>vii. High Price Term Ahead Market</b>						
28	Volume of Transactions	NA	2.05	2.21	7.83%	-
29	Weighted Average Price (Rs/kWh)	NA	15.00	15.00	0.00%	-
<b>b. PXIL</b>						
<b>i. Day Ahead Market</b>						
30	Market Clearing Volume (in MUs)	0.00	0.00	0.00	-	-
31	Weighted Average Price (Rs/kWh)	-	-	-	-	-
32	Ratio of Buy Bid to Sell Bid Volume	0.11	0.00	0.02		
33	Congestion Percentage	0.00%	0.00%	0.00%		
<b>ii. Term Ahead Market</b>						
34	Volume of Transactions	393.78	966.28	727.12	-24.75%	84.65%
35	Weighted Average Price (Rs/kWh)	5.70	8.11	7.85	-3.19%	37.85%
<b>iii. Real Time Market</b>						
36	Market Clearing Volume (in MUs)	0.00	0.40	0.98	144.22%	-
37	Weighted Average Price (Rs/kWh)	-	10.00	10.00	0.00%	-
38	Ratio of Buy Bid to Sell Bid Volume	0.00	1.21	1.52		
39	Congestion Percentage	0.00%	0.00%	0.20%		
<b>iv. Green Term Ahead Market</b>						
40	Volume of Transactions	14.86	8.81	8.42	-4.46%	-43.34%
41	Weighted Average Price (Rs/kWh)	4.62	5.52	4.49	-18.59%	-2.82%
<b>v. Green Day Ahead Market</b>						
42	Market Clearing Volume (in MUs)	0.00	0.00	0.00	-	-
43	Weighted Average Price (Rs/kWh)	-	-	-	-	-
44	Ratio of Buy Bid to Sell Bid Volume	0.00	0.00	0.00		
45	Congestion Percentage	0.00	0.00%	0.00%		
<b>vi. High Price Day Ahead Market</b>						
46	Market Clearing Volume (in MUs)	NA	0.00	0.00	-	-
47	Weighted Average Price (Rs/kWh)	NA	-	-	-	-
48	Ratio of Buy Bid to Sell Bid Volume	NA	0.00	0.00		
49	Congestion Percentage	NA	0.00%	0.00%		

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<b>vii. High Price Term Ahead Market</b>						
50	Volume of Transactions	NA	5.70	16.06	181.63%	-
51	Weighted Average Price (Rs/kWh)	NA	14.98	15.00	0.15%	-
<b>c. HPX</b>						
<b>i. Day Ahead Market</b>						
52	Market Clearing Volume (in MUs)	0.00	0.00	0.00	-	-
53	Weighted Average Price (Rs/kWh)	-	-	-	-	-
54	Ratio of Buy Bid to Sell Bid Volume	0.00	0.00	0.00		
55	Congestion Percentage	0.00%	0.00%	0.00%		
<b>ii. Term Ahead Market</b>						
56	Volume of Transactions	793.03	676.10	401.68	-40.59%	-49.35%
57	Weighted Average Price (Rs/kWh)	5.56	9.49	7.80	-17.77%	40.41%
<b>iii. Real Time Market</b>						
58	Market Clearing Volume (in MUs)	0.00	5.93	3.73	-37.14%	-
59	Weighted Average Price (Rs/kWh)	-	10.00	9.93	-0.66%	-
60	Ratio of Buy Bid to Sell Bid Volume	0.00	1.25	2.85		
61	Congestion Percentage	0.00%	0.49%	1.51%		
<b>iv. Green Term Ahead Market</b>						
62	Volume of Transactions	75.89	117.59	113.26	-3.68%	49.25%
63	Weighted Average Price (Rs/kWh)	4.83	5.18	4.43	-14.40%	-8.12%
<b>v. Green Day Ahead Market</b>						
64	Market Clearing Volume (in MUs)	0.00	0.00	0.00	-	-
65	Weighted Average Price (Rs/kWh)	-	-	-	-	-
66	Ratio of Buy Bid to Sell Bid Volume	0.00	0.00	0.00		
67	Congestion Percentage	0.00%	0.00%	0.00%		
<b>vi. High Price Day Ahead Market</b>						
68	Market Clearing Volume (in MUs)	NA	0.00	0.00	-	-
69	Weighted Average Price (Rs/kWh)	NA	-	-	-	-
70	Ratio of Buy Bid to Sell Bid Volume	NA	0.00	0.00		
71	Congestion Percentage	NA	0.00%	0.00%		
<b>v. High Price Term Ahead Market</b>						
72	Volume of Transactions	NA	2.03	0.00	-100.00%	-
73	Weighted Average Price (Rs/kWh)	NA	14.32	-	-	-
<b>C. DSM</b>						
74	Average Deviation Charge (Rs/kWh)	5.14	5.61	5.42	-3.29%	5.45%

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<b>III</b>	<b>REC Market</b>					
75	REC Clearing Volume on IEX	623982	439256	3150109	617.15%	404.84%
76	REC Clearing Volume on PXIL	100630	250229	2176332	769.74%	2062.71%
77	REC Clearing Volume on HPX	600	0	1400	-	133.33%
78	REC Clearing Price (Rs/MWh)	642	144	122	-15.31%	-80.99%
79	Volume through Traders (Bilateral)	133367	5174	44460	759.30%	-66.66%
80	Sale Price through Traders (Bilateral)	579	168	150	-10.68%	-74.14%
<b>IV</b>	<b>Cross Border trade through Power Exchange</b>					
	<b>A. Nepal</b>					
	<b>a. Day Ahead Market</b>					
81	Sale Volume	251.12	100.82	360.64	257.70%	43.61%
82	Weighted Average Price of Volume Sold	4.46	4.85	5.01	3.32%	12.15%
83	Purchase Volume	6.62	37.06	0.00	-100.00%	-100.00%
84	Weighted Average Price of Volume Purchased	4.06	3.21	-	-	-
85	Net Volume	-244.50	-63.76	-360.64	465.62%	47.50%
	<b>b. Real Time Market</b>					
86	Sale Volume	NA	26.90	28.08	4.39%	-
87	Weighted Average Price of Volume Sold	NA	3.65	3.71	1.79%	-
88	Purchase Volume	NA	23.20	0.00	-100.00%	-
89	Weighted Average Price of Volume Purchased	NA	3.71	-	-	-
90	Net Volume	NA	-3.70	-28.08	658.93%	-
	<b>B. Bhutan</b>					
	<b>a. Day Ahead Market</b>					
91	Sale Volume	0	14.49	59.89	313.34%	-
92	Weighted Average Price of Volume Sold	0	6.03	5.39	-10.48%	-
93	Purchase Volume	0	0.00	0.00	-	-
94	Weighted Average Price of Volume Purchased	0	-	-	-	-
95	Net Volume	0	-14.49	-59.89	313.34%	-
	<b>b. Real Time Market</b>					
96	Sale Volume	NA	5.02	0.71	-85.81%	-
97	Weighted Average Price of Volume Sold	NA	5.46	4.20	-23.11%	-
98	Purchase Volume	NA	0.00	0.00	-	-
99	Weighted Average Price of Volume Purchased	NA	-	-	-	-
100	Net Volume	NA	-5.02	-0.71	0.00%	-