

I/30250/2023



भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

उत्तर क्षेत्रीय विद्युत समिति

Northern Regional Power Committee

विषय: उत्तर क्षेत्रीय विद्युत समिति की एल.जी.बी.आर. उप-समिति की 29^{वीं} बैठक का कार्यवृत्त।

Subject: Minutes of the 29th LGBR Sub-Committee meeting of NRPC.

उत्तर क्षेत्रीय विद्युत समिति की एल.जी.बी.आर. उप-समिति की 29^{वीं} बैठक दिनांक 29.08.2023 को आयोजित की गई। उक्त बैठक का कार्यवृत्त उत्तर क्षेत्रीय विद्युत समिति की वेबसाइट <http://164.100.60.165> पर उपलब्ध है। यदि कार्यवृत्त पर कोई टिप्पणी हो तो कार्यवृत्त के जारी करने के एक सप्ताह के अंदर उ.क्षे.वि.स. सचिवालय को सूचित करें।

29th LGBR Sub-Committee meeting of NRPC was held on 29.08.2023. The Minutes of this meeting has been uploaded on the NRPC website <http://164.100.60.165>. Any comments on the minutes may kindly be submitted to NRPC Sectt within a week of issuance of the minutes.

संलग्नक: यथोपरि

Signed by Santosh Kumar

Date: 12-09-2023 15:46:15

Reason: Approved
(संतोष कुमार)

अधीक्षण अभियंता (प्रचालन)

सेवा में,

उ.क्षे.वि.स. की एल.जी.बी.आर. उप-समिति के सदस्य

Minutes of the 29th LGBR Sub-Committee meeting

1. 29th LGBR Sub-Committee meeting was held on 29.08.2023 through Video Conference.
2. Member Secretary, NRPC extended a warm welcome to all the members and participants of the meeting. He informed that this meeting is being conducted for finalization of annual outage schedule of generating units and month-wise, state-wise demand of Northern Region for FY 2024-25.
3. NRPC representative informed that requisite data format for preparation of LGBR for the FY 2024-25 were circulated to all Generators and SLDC's of Northern Region and subsequently they were requested to submit the data in prescribed format by 20th August 2023.
4. The copy of presentation delivered in the 29th LGBR sub-committee meeting is attached as **Annexure-I**. Discussions held on the projected figures of demand for FY 2024-25 and scheduled outages of generators are as under:

A. Anticipated Demand Data of for the period Apr-24 to Mar-25

1. It was intimated that all states / UTs of NR region, except Chandigarh have submitted their demand data.
2. NRPC representative presented the demand figures computed by NRPC Secretariat from Weightage Average (WA) method and CAGR method and the figures submitted by states / UTs.
3. Following discussion w.r.t to demand data of all states / UTs of NR region were taken in the meeting:

Chandigarh – The Committee agreed that Energy Requirement figures computed by NRPC secretariat through WA method shall be considered for preparation of LGBR 2024-25 except for energy requirement figures of July and August 2023, wherein value computed through CAGR method shall be considered.

For Peak demand, figures computed by NRPC secretariat through CAGR method shall be considered for preparation of LGBR 2024-25 except for peak demand figures from April to August 2024 wherein value computed through WA method shall be considered.

Delhi – The Committee agreed that for Energy Requirement and Peak Demand, data reported by state shall be considered for preparation of LGBR 2024-25.

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Haryana – The Committee agreed that for Energy Requirement, data reported by state shall be considered for preparation of LGBR 2024-25 except for October 2024, November 2024 and March 2025 wherein value computed through CAGR method shall be considered. For the month April 2024 to June 2024, average of value computed by WA method and data reported by State shall be considered.

For Peak demand, figures reported by state shall be considered for preparation of LGBR 2024-25.

Himachal Pradesh – The Committee agreed that for Energy Requirement, data reported by state shall be considered for preparation of LGBR 2024-25 except from January to March 2025 wherein value computed through CAGR method shall be considered. For Energy Requirement for the month of June 2024, average of value computed by WA method and data reported by State shall be considered.

For Peak demand, figures reported by state shall be considered for preparation of LGBR 2024-25.

UT of J&K and Ladakh – The committee agreed that for Energy Requirement and Peak demand data reported by state shall be considered for preparation of LGBR 2024-25 except for peak demand figures for the months of November 2024 and March 2025 wherein value computed through CAGR and WA method respectively shall be considered.

Punjab – The Committee agreed that for Energy Requirement data reported by state shall be considered for preparation of LGBR 2024-25 except for the months from October 2024 to March 2025 wherein value computed through CAGR method shall be considered. For the month April 2024 to May 2024, average of value computed by WA method and data reported by State shall be considered.

For Peak demand, figures reported by state shall be considered for preparation of LGBR 2024-25.

Rajasthan – The Committee agreed that for Energy Requirement and Peak Demand data reported by state shall be considered for preparation of LGBR 2024-25.

Uttar Pradesh – The Committee agreed that for Energy Requirement and Peak Demand data reported by state shall be considered for preparation of LGBR 2024-25 except for energy requirement figures for the month March 2025 wherein average of value computed by CAGR method and data reported by State shall be considered.

Uttarakhand – The Committee agreed that for Energy Requirement and Peak Demand data reported by state shall be considered for preparation of LGBR 2023-24.

B. Proposed Planned Outages for the period of Apr-24 to Mar-25

1. The Proposed Planned outages of generators, received from states and Generating utilities for the period of Apr-24 to Mar-25 were discussed.
2. MS, NRPC informed that in the various review meetings taken by Chairperson, CEA regarding revival of units under outage, it has been deliberated that planned outages in the month of April, May and June 2024 shall be avoided considering general elections in that duration.
3. Based on the deliberation held in the meeting, some of the outage of thermal units proposed by Utilities were revised.

Station	Unit	Capacity (MW)	Revised Outage from	Revised Outage To	Duration (days)	Remarks
MAHATMA GANDHI TPS (JPL)	2	660	01-Feb-24	31-Mar-24	60	Boiler overhauling and chimney repair
DCR TPS YAMUNA NAGAR	1	300	01-Feb-24	31-Mar-24	60	Capital overhauling
DCR TPS YAMUNA NAGAR	2	300	26-Feb-23	31-Mar-24	35	Annual overhauling
SINGRAULI STPS	2	200	10-Nov-24	09-Dec-23	30	Annual overhauling
UNCHAHAAR-II TPS	2	210	01-Oct-24	04-Nov-24	35	Annual overhauling

4. In the meeting, MS, NRPC asked Apraava Energy Pvt Ltd. and HPGCL to take up the matter with HPPC for preponing their outages of Mahatma Gandhi TPS (Unit-2) and DCR TPS Yamuna Nagar (Unit-1 and Unit-2) respectively before the month of April 2024.
5. The planned outage schedule for generators in NR, agreed in the meeting is enclosed at **Annexure-A.II**.

The meeting ended with vote of thanks.



29TH LGBR MEETING

(NRPC)

Demand Forecasting (2024-25)

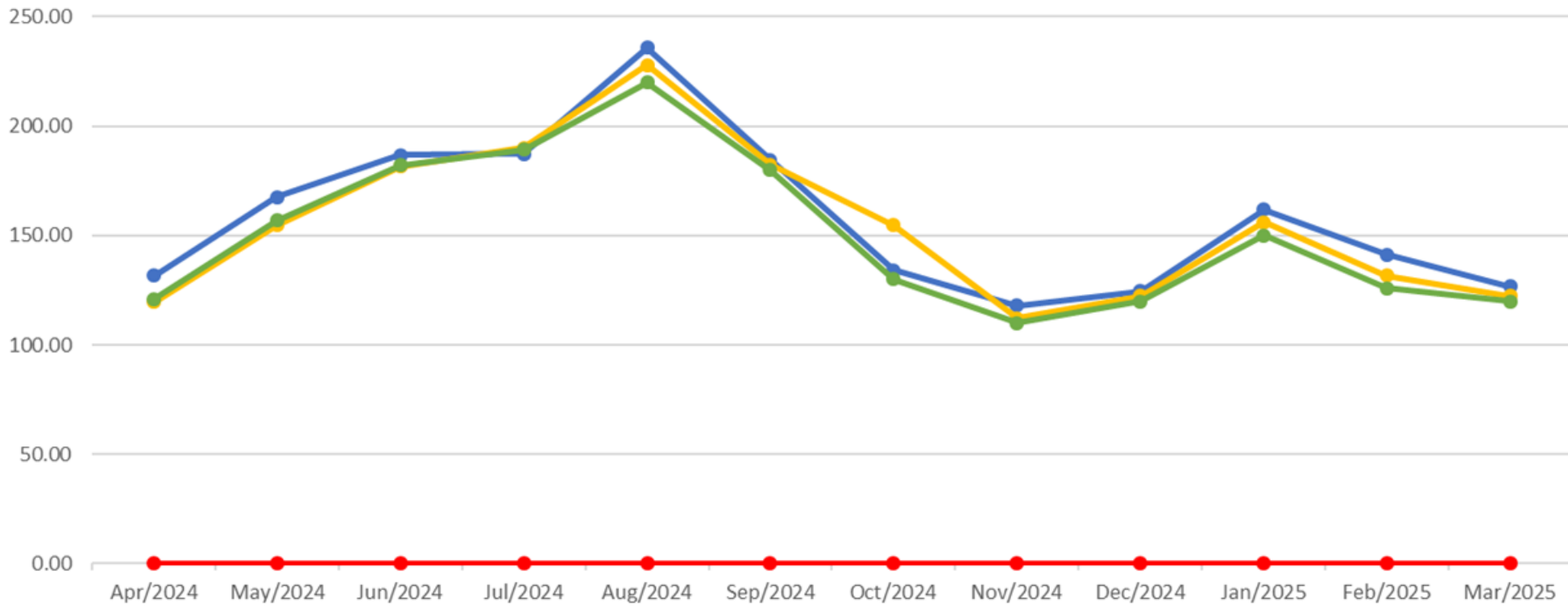
Demand data received from:

- Uttarakhand
- Delhi
- UP
- Punjab
- Rajasthan
- HP
- Haryana
- J&K and Ladakh

NRPC Sectt computed Demand for FY 2024-25 from two methodologies:

- Weightage Average method
Forecasting done on last 8 year's data
- CAGR method

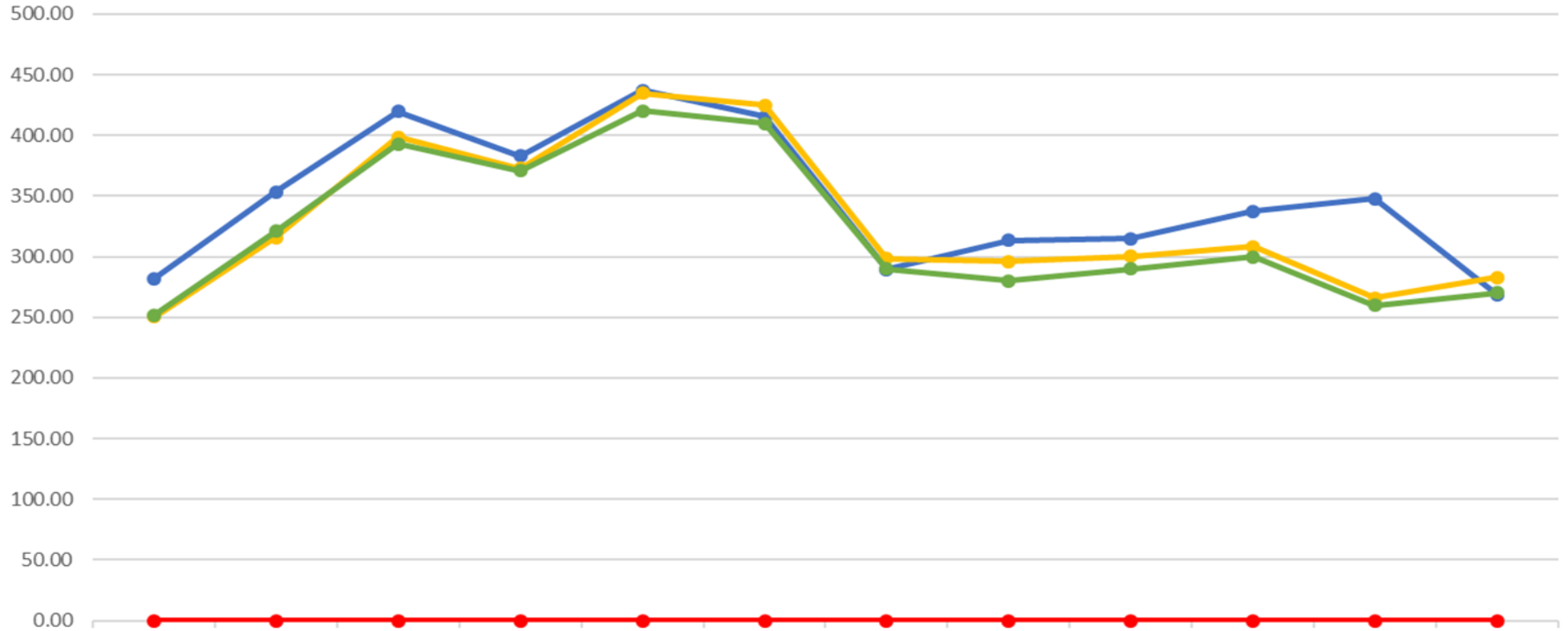
Chandigarh (MU Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	131.78	167.59	186.74	187.42	235.73	184.61	134.12	118.04	124.44	161.83	141.27	126.79
CAGR	119.64	154.71	181.58	189.98	227.87	182.41	154.71	112.16	122.48	156.19	131.59	122.48
STATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023-24	121	157	182	189	220	180	130	110	120	150	126	120

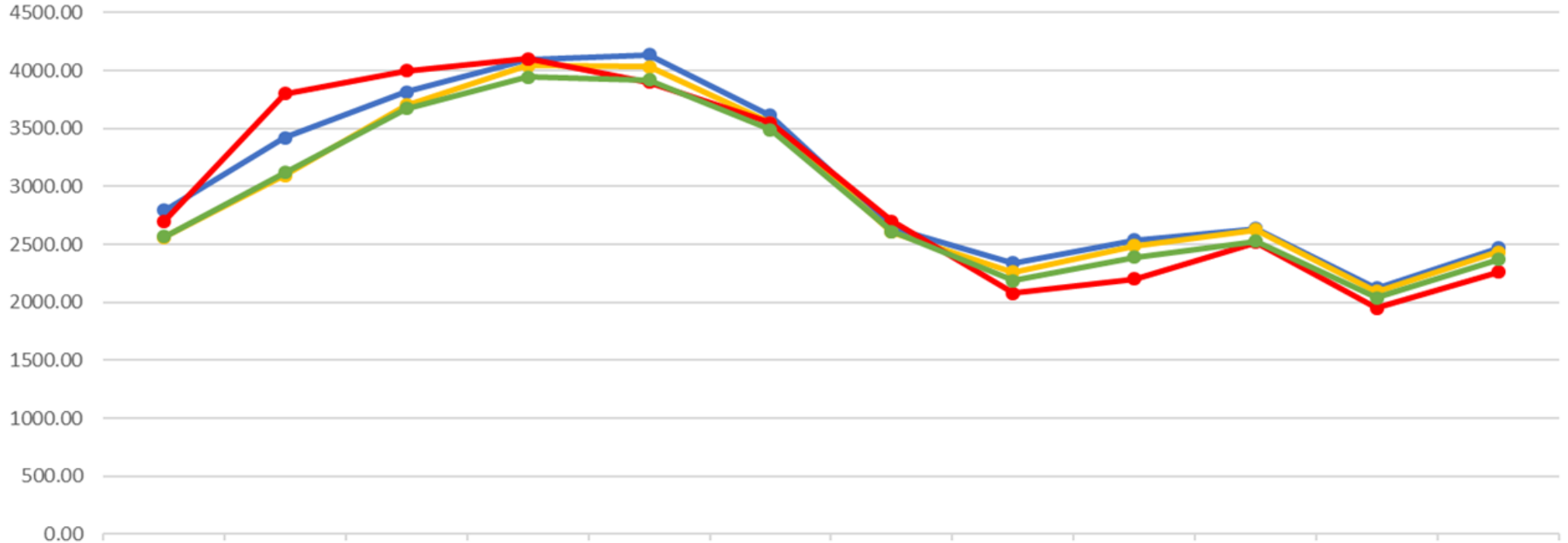
—●— WA —●— CAGR —●— STATE —●— 2023-24

Chandigarh (Peak Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	281.92	353.56	419.84	383.01	437.26	415.62	289.62	313.61	314.67	337.50	347.64	268.87
CAGR	250.47	315.66	398.59	372.90	434.72	424.97	298.48	295.95	300.52	308.27	265.76	282.85
STATE	0	0	0	0	0	0	0	0	0	0	0	0
2023-24	252	321	393	371	420	410	290	280	290	300	260	270

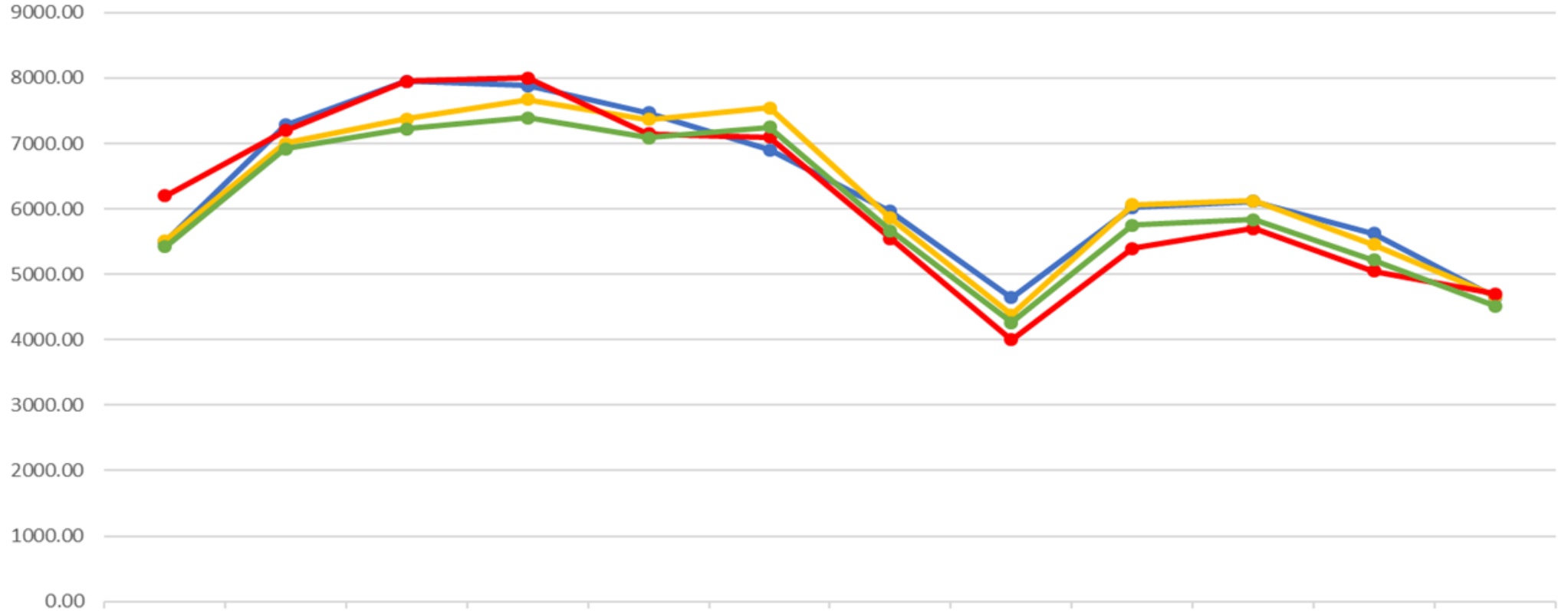
Delhi (MU Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	2793.95	3421.33	3813.66	4090.18	4134.13	3615.05	2643.72	2341.92	2535.86	2634.41	2121.92	2470.09
CAGR	2560.68	3095.71	3699.86	4042.03	4033.33	3548.11	2608.29	2261.12	2489.38	2625.83	2091.90	2434.13
STATE	2700.00	3800.00	4000.00	4100.00	3900.00	3550.00	2700.00	2080.00	2200.00	2520.00	1950.00	2260.00
2023-24	2569	3119	3674	3942	3920	3490	2610	2190	2390	2528	2040	2370

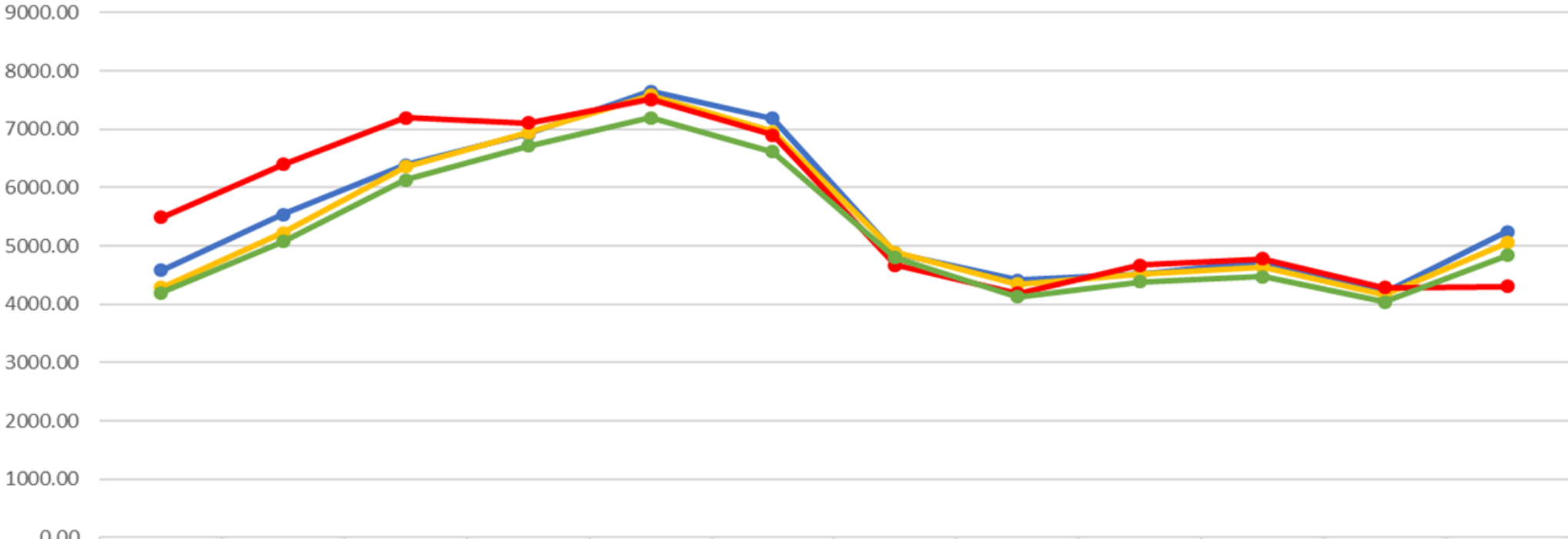
WA CAGR STATE 2023-24

Delhi (Peak Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	5500.68	7287.04	7954.53	7885.19	7473.06	6900.00	5966.09	4643.12	6026.64	6120.39	5625.85	4655.78
CAGR	5517.37	7007.51	7375.50	7670.53	7364.61	7549.12	5863.87	4379.14	6068.17	6126.61	5452.22	4666.04
STATE	6200	7200	7950	8000	7150	7100	5550	4000	5400	5700	5050	4700
2023-24	5422	6916	7226	7398	7090	7250	5670	4260	5750	5840	5220	4520

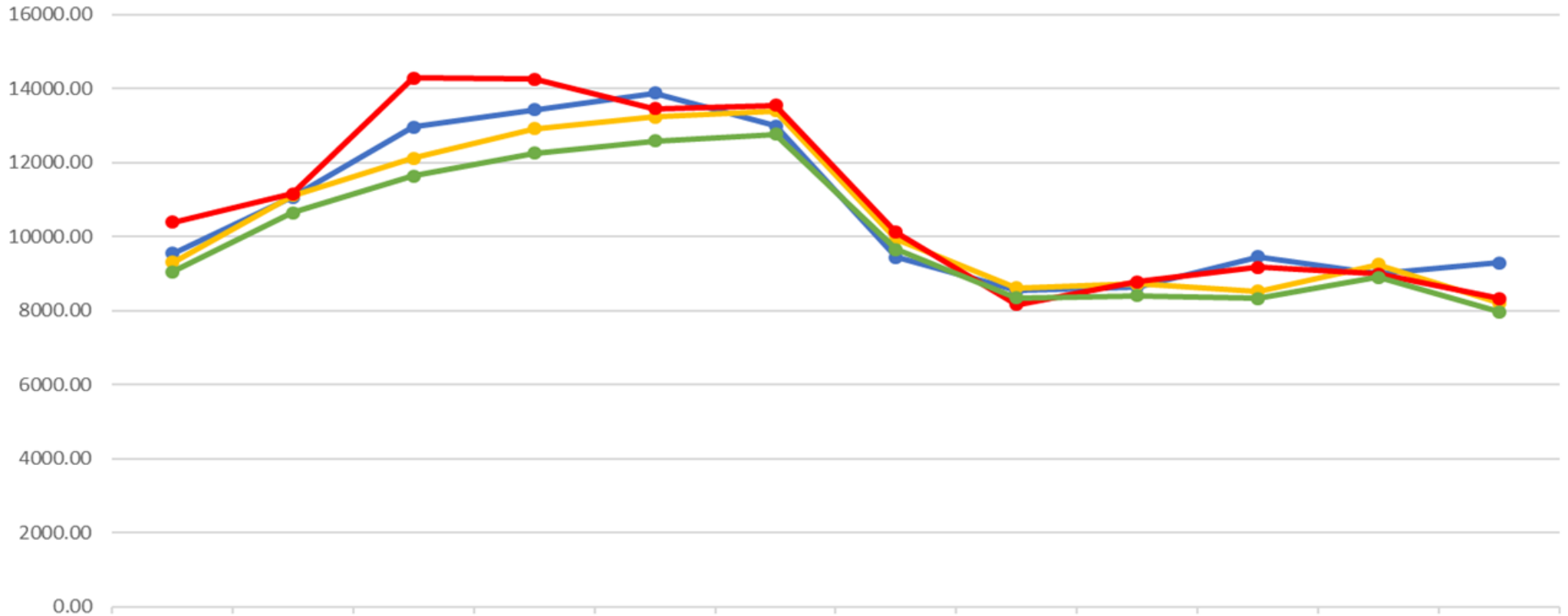
Haryana (MU Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	4585.51	5538.09	6389.15	6924.37	7649.27	7186.62	4881.58	4417.93	4527.55	4736.34	4204.74	5241.52
CAGR	4286.96	5219.48	6355.45	6942.87	7584.35	6962.20	4892.44	4349.12	4517.44	4643.43	4165.82	5054.88
STATE	5493.94	6397.92	7201.69	7109.64	7508.89	6905.27	4676.17	4184.23	4672.19	4782.40	4285.30	4310.07
2023-24	4197	5079	6136	6713	7200	6620	4800	4130	4386	4474	4039	4840

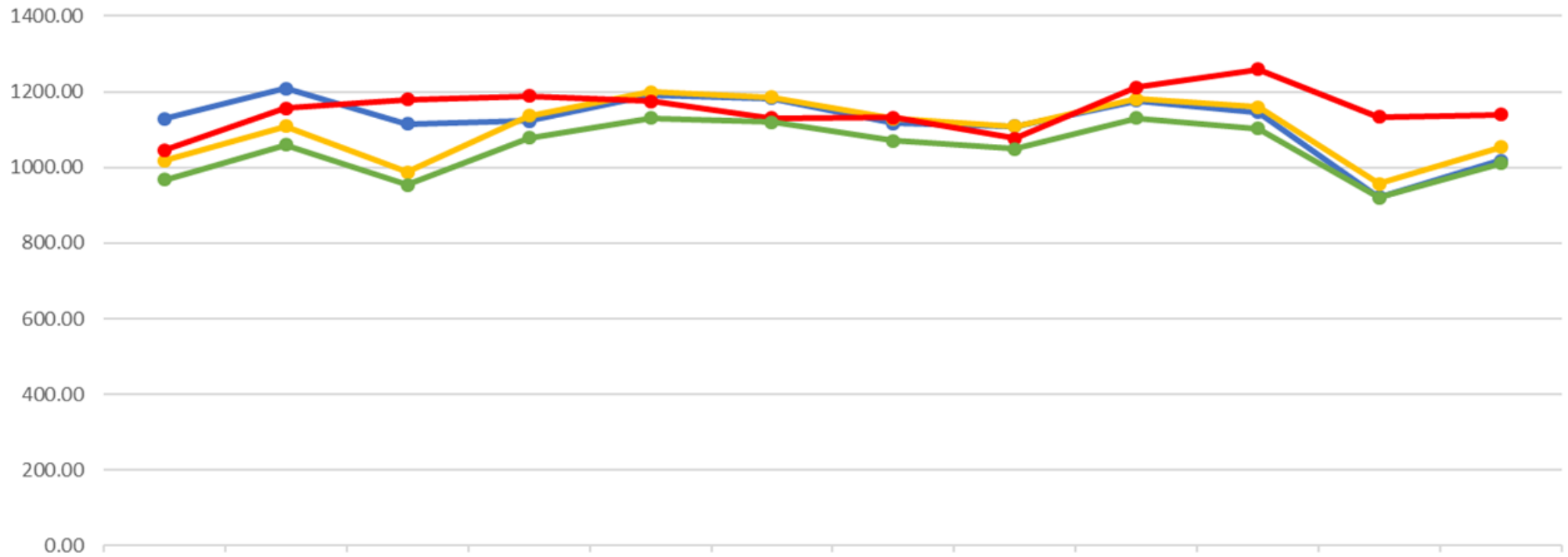
WA CAGR STATE 2023-24

Haryana (Peak Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	9542.93	11068.84	12960.23	13428.99	13881.22	12999.53	9444.09	8538.76	8641.46	9458.26	9014.65	9289.51
CAGR	9304.94	11109.04	12114.66	12911.87	13235.72	13400.58	9930.49	8621.63	8724.89	8531.78	9249.04	8217.70
STATE	10389.9256	11164.689	14287.4072	14262.08936	13453.47892	13547.78356	10119.4496	8172.5696	8778.2656	9169.8048	8995.6672	8336.9728
2023-24	9054	10654	11634	12260	12590	12770	9660	8340	8410	8330	8900	7970

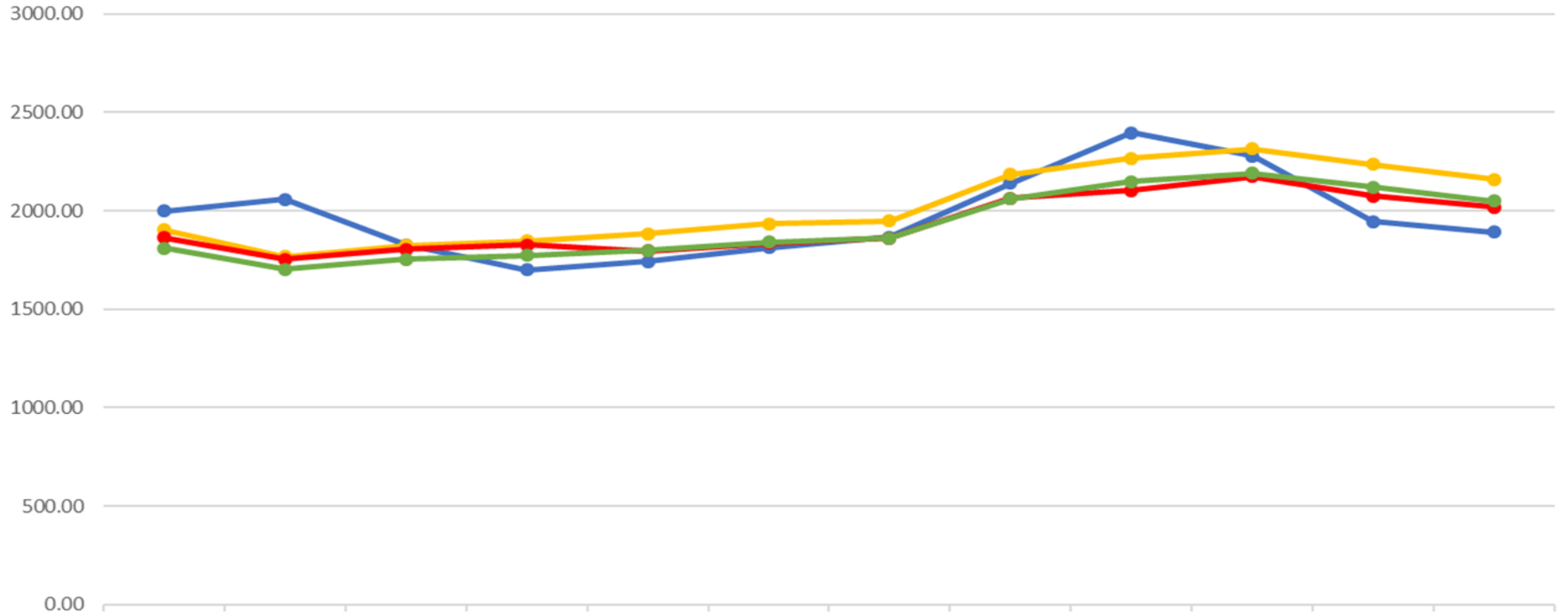
Himachal Pradesh (MU Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	1129.48	1208.59	1114.74	1122.57	1190.57	1182.76	1116.47	1108.40	1176.17	1146.34	921.91	1018.19
CAGR	1018.61	1109.36	987.92	1136.47	1199.98	1185.81	1128.75	1109.15	1180.90	1159.18	957.61	1053.87
STATE	1046.00	1156.00	1180.00	1189.00	1175.00	1130.00	1132.00	1077.00	1212.00	1259.00	1134.00	1139.00
2023-24	967	1059	954	1078	1130	1120	1070	1049	1131	1103	920	1010

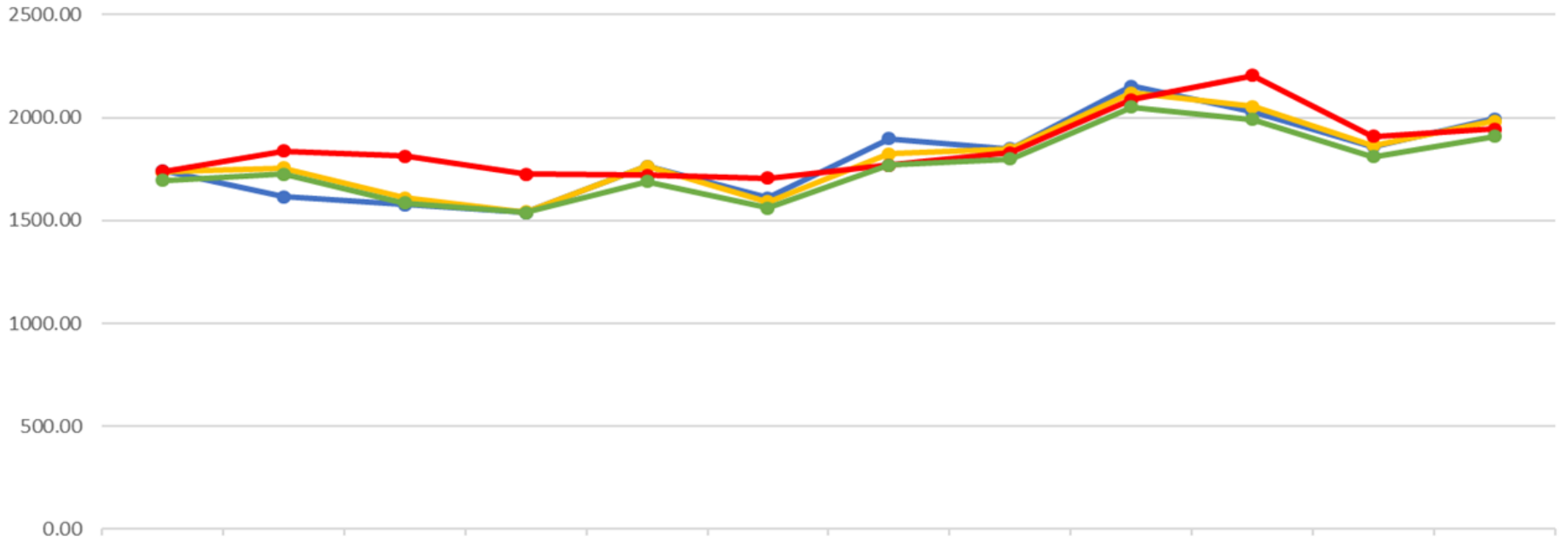
● WA
 ● CAGR
 ● STATE
 ● 2023-24

Himachal Pradesh (Peak Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	1999.73	2058.95	1827.60	1699.14	1741.50	1813.64	1867.49	2141.50	2398.03	2278.93	1946.16	1893.17
CAGR	1902.34	1766.66	1823.54	1848.33	1883.18	1933.62	1949.62	2185.66	2266.06	2316.09	2236.68	2158.67
STATE	1863	1753	1806	1828	1797	1835	1860	2063	2104	2175	2076	2018
2023-24	1809	1702	1753	1775	1800	1840	1860	2060	2150	2190	2120	2050

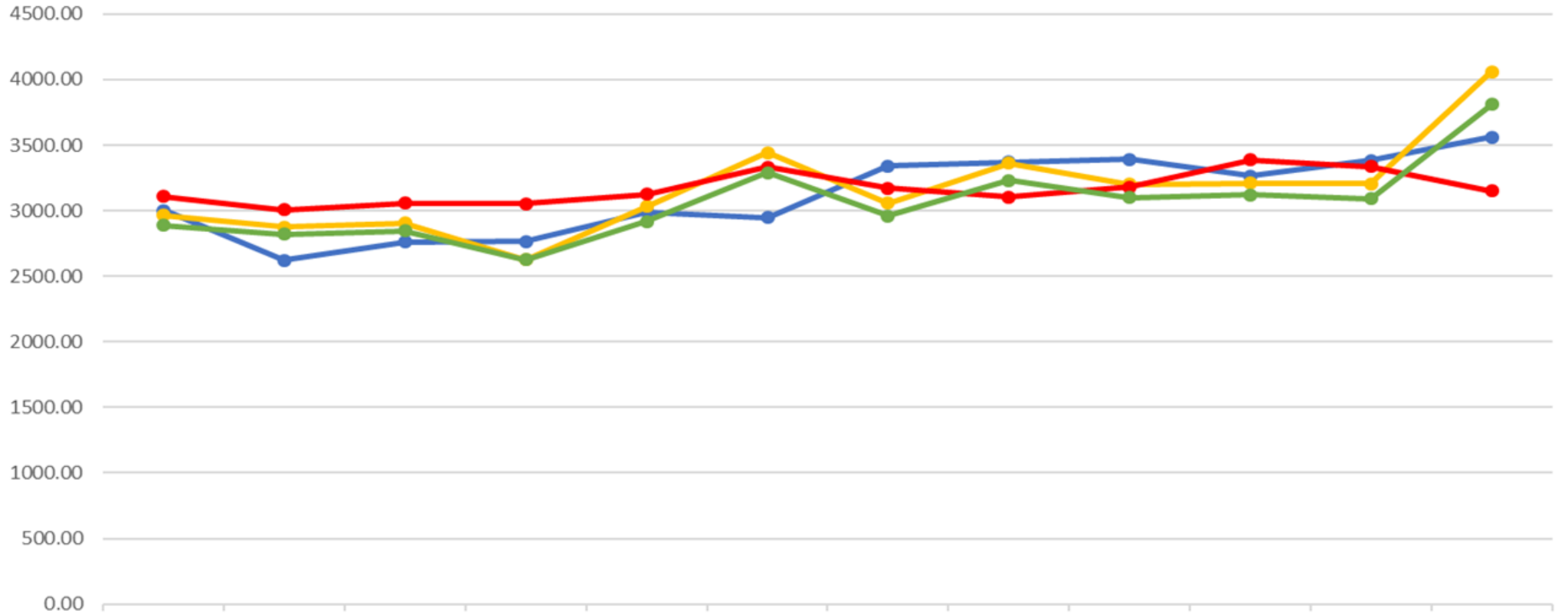
J&K and Ladakh (MU Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	1740.66	1616.28	1577.39	1538.18	1764.81	1609.92	1899.17	1848.44	2153.77	2027.79	1858.78	1994.96
CAGR	1736.32	1754.35	1609.47	1542.54	1764.81	1592.05	1822.95	1846.45	2120.49	2053.17	1864.79	1982.99
STATE	1737.93	1837.43	1813.06	1725.70	1720.04	1707.29	1768.63	1829.21	2086.49	2204.70	1908.69	1945.44
2023-24	1695	1726	1586	1539	1690	1560	1770	1800	2050	1990	1810	1910

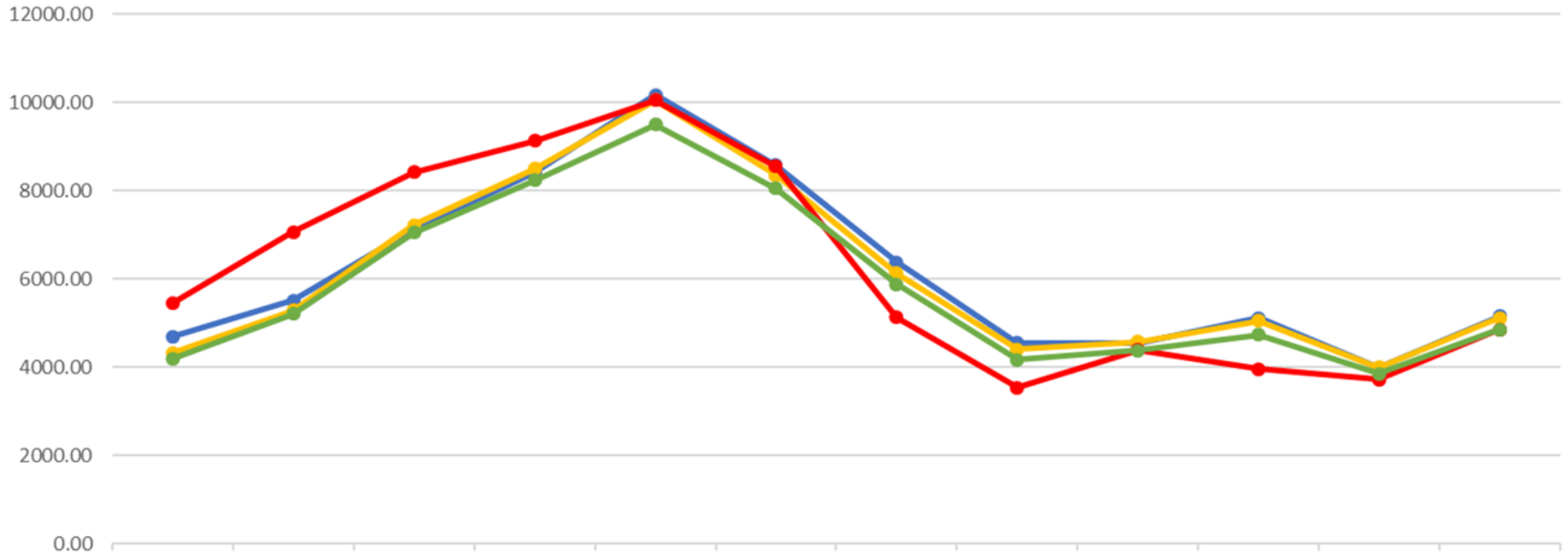
WA CAGR STATE 2023-24

J&K and Ladakh (Peak Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	3004.39	2623.81	2760.31	2766.49	2991.33	2949.62	3343.53	3372.87	3394.03	3267.01	3384.88	3562.68
CAGR	2965.62	2876.06	2906.04	2625.86	3033.29	3444.10	3056.99	3363.43	3201.52	3212.31	3204.16	4060.68
STATE	3106.86	3009.0008	3059.5628	3053.9448	3126.9788	3333.7212	3171.9228	3105.6304	3180.9116	3387.654	3335.9684	3151.258818
2023-24	2890	2823	2847	2628	2920	3290	2960	3230	3100	3120	3090	3810

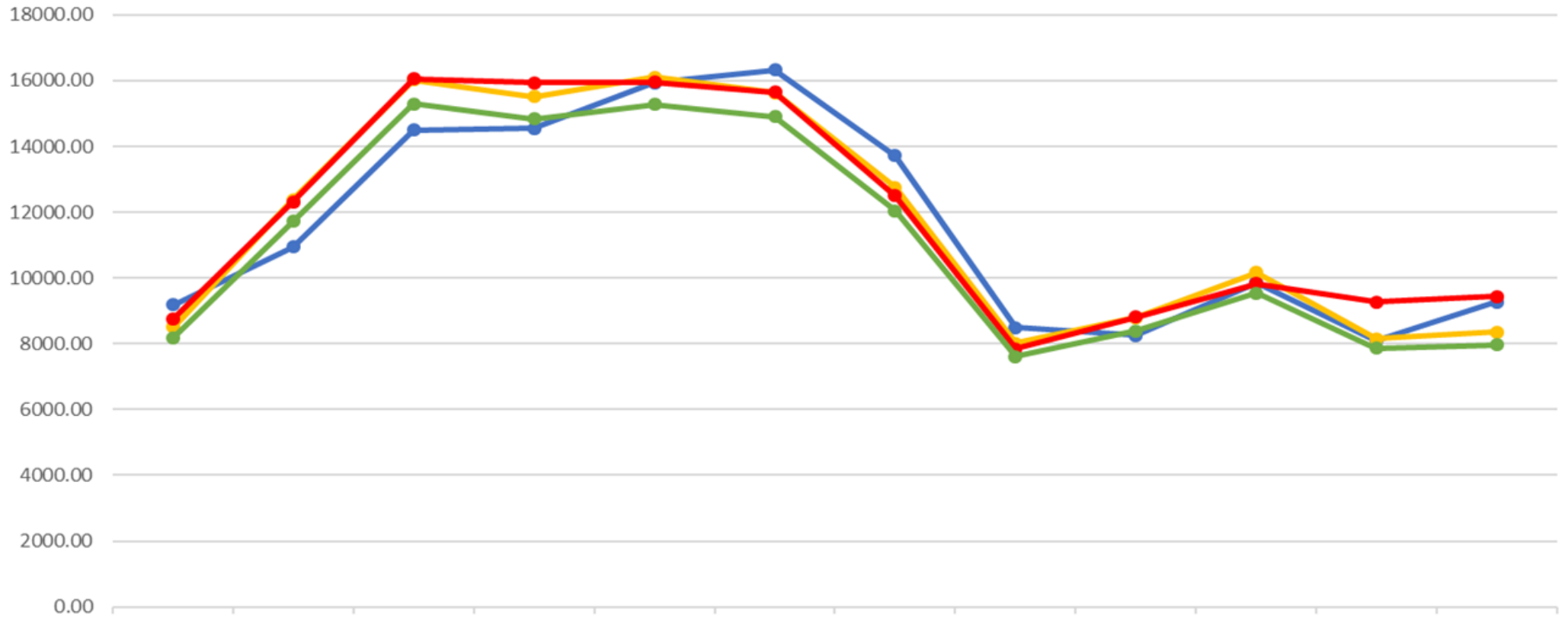
Punjab (MU Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	4708.85	5513.16	7123.59	8424.13	10174.54	8585.15	6391.01	4561.13	4555.05	5125.12	3985.64	5161.54
CAGR	4328.65	5293.39	7225.35	8508.36	10053.95	8362.83	6140.51	4416.85	4584.56	5060.62	3999.65	5121.18
STATE	5464.43	7075.38	8427.51	9136.80	10061.83	8559.93	5131.77	3545.82	4393.86	3968.61	3726.81	4858.09
2023-24	4197	5220	7059	8242	9500	8060	5880	4180	4387	4743	3856	4860

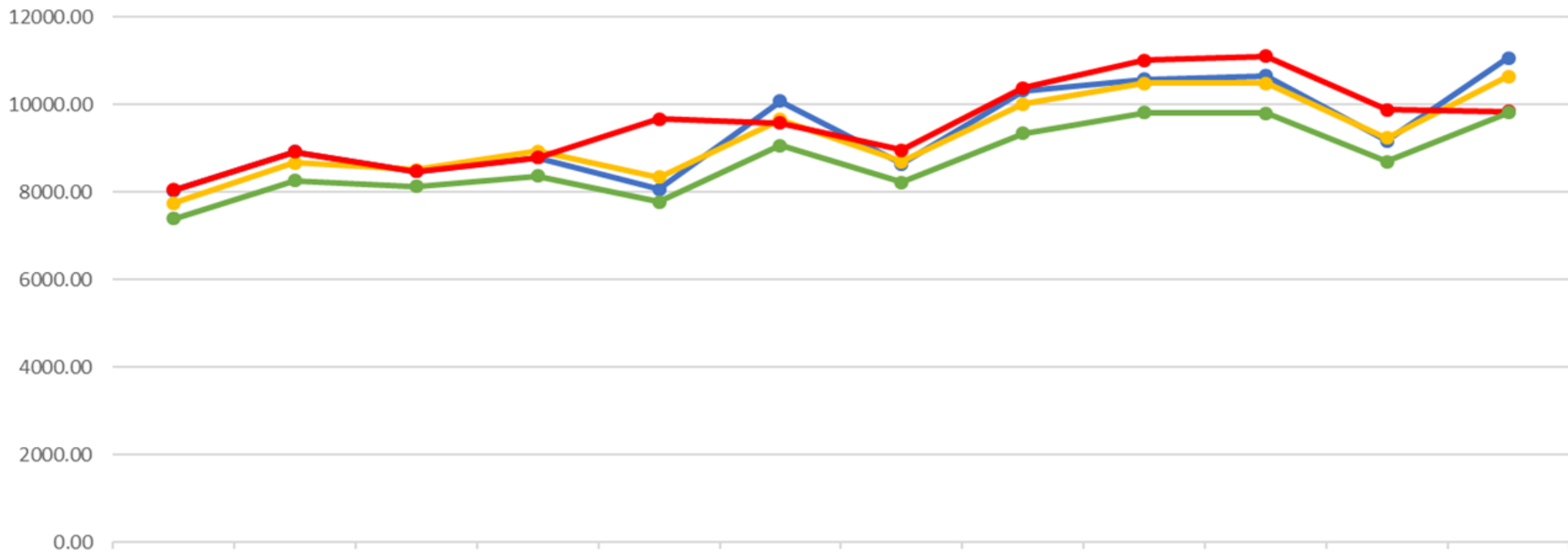
WA CAGR STATE 2023-24

Punjab (Peak Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	9184.30	10953.22	14504.56	14542.33	15944.09	16327.33	13729.36	8498.28	8263.04	9862.50	8100.53	9269.12
CAGR	8502.51	12383.79	16030.70	15507.81	16105.77	15629.06	12755.10	8018.54	8792.14	10168.74	8156.74	8363.47
STATE	8759.7904	12310.914	16057.188	15945.67926	15960	15645	12498.4629	7848.6	8814.825016	9829.7535	9270	9440.416528
2023-24	8187	11725	15293	14831	15280	14900	12050	7620	8388	9543	7865	7970

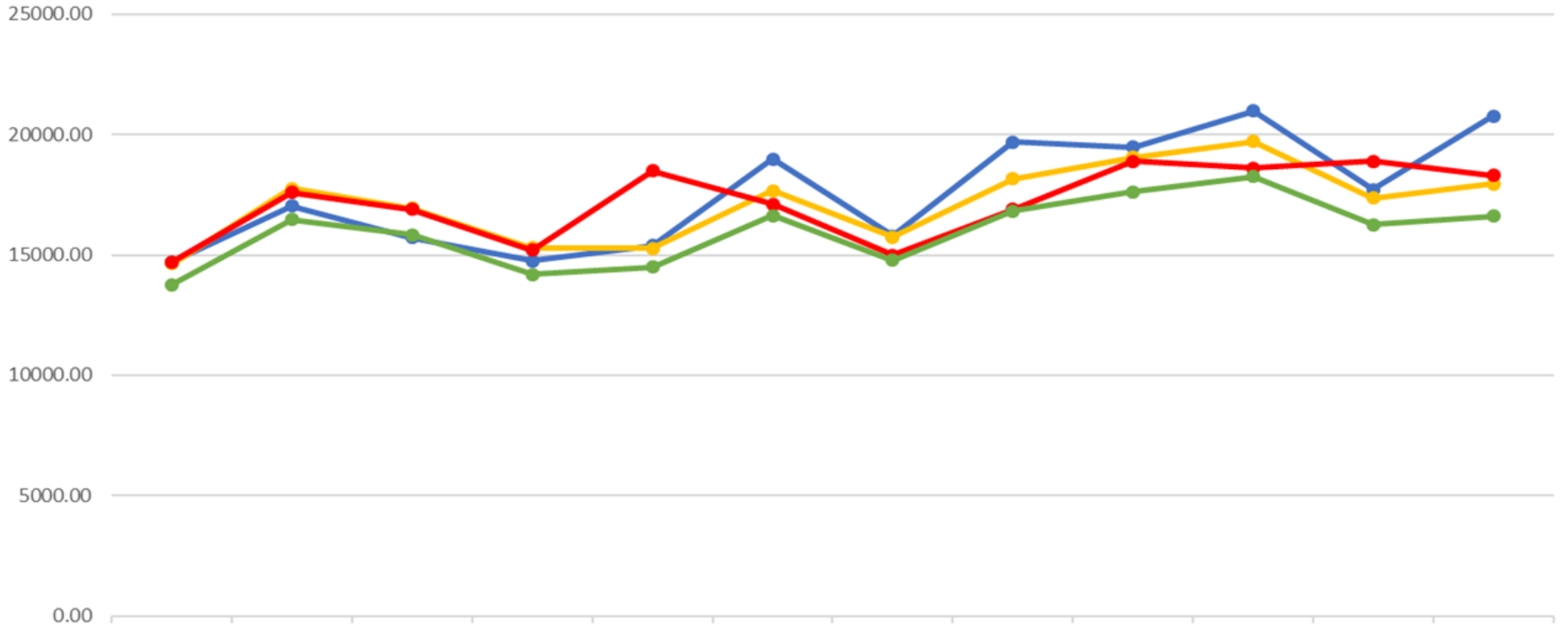
Rajasthan (MU Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	8040.06	8928.77	8475.82	8791.57	8065.84	10087.34	8644.63	10316.14	10578.29	10667.57	9172.82	11065.55
CAGR	7750.76	8671.34	8516.10	8934.90	8351.95	9668.00	8707.62	10023.22	10497.27	10485.49	9242.68	10654.31
STATE	8060.80	8928.24	8478.41	8790.36	9671.24	9581.31	8966.99	10380.83	11013.78	11113.36	9881.13	9850.43
2023-24	7396	8271	8137	8367	7780	9070	8230	9350	9826	9801	8700	9820

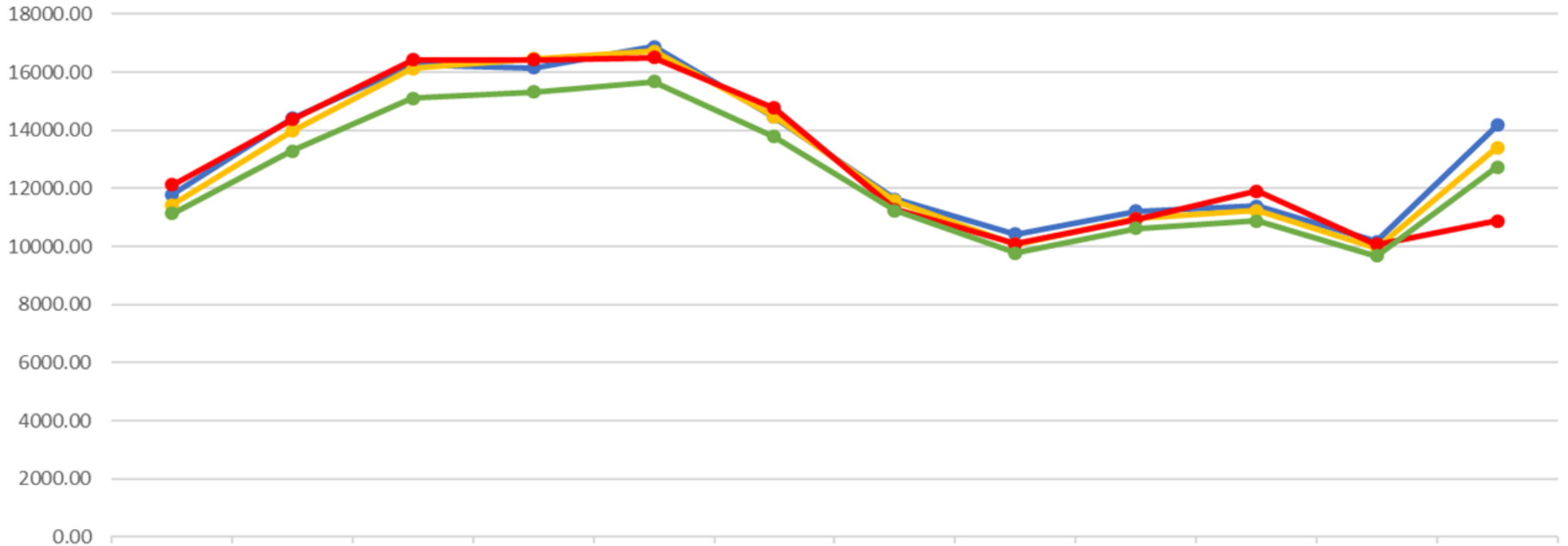
WA CAGR STATE 2023-24

Rajasthan (Peak Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	14721.32	17028.07	15724.25	14748.31	15396.69	18986.81	15786.40	19697.80	19490.27	20978.57	17711.48	20765.46
CAGR	14633.52	17766.57	16938.60	15302.85	15273.07	17662.56	15754.47	18174.69	19066.83	19714.65	17370.31	17955.06
STATE	14700	17600	16900	15200	18500	17100	15000	16900	18900	18600	18900	18300
2023-24	13776	16470	15840	14204	14500	16640	14780	16820	17616	18269	16250	16620

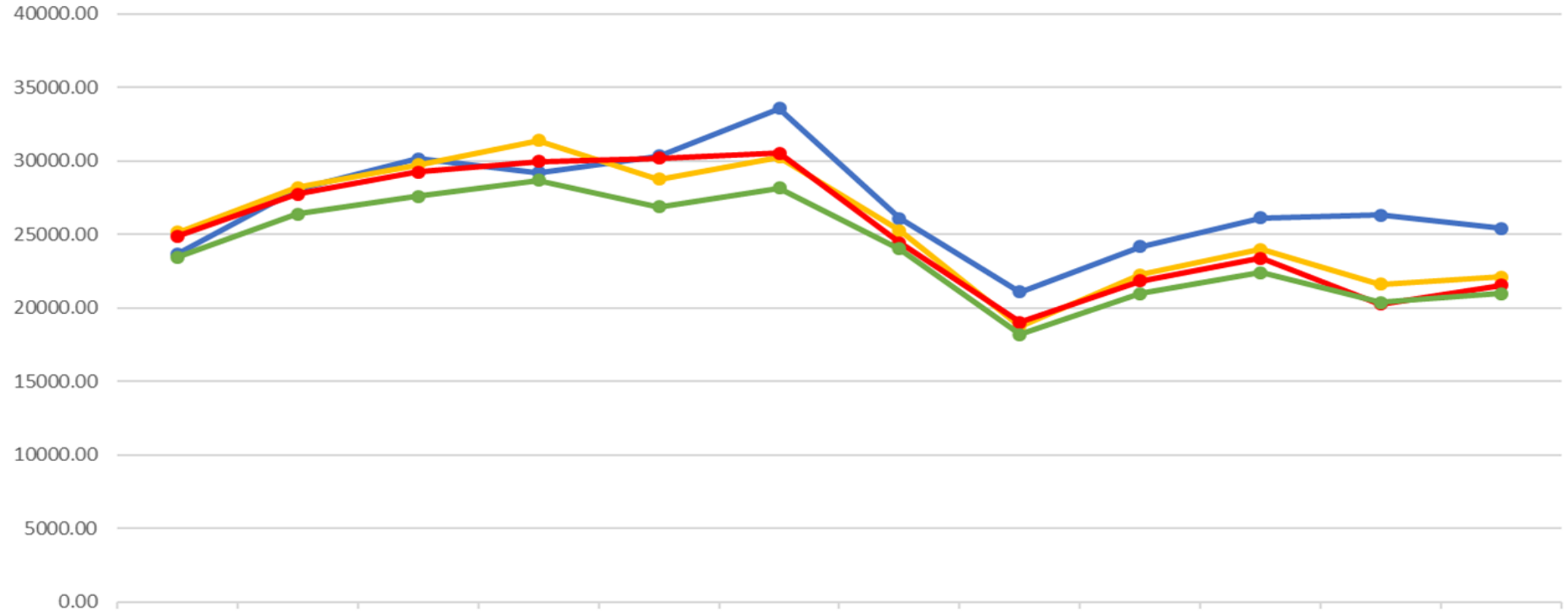
Uttar Pradesh (MU Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	11793.17	14420.21	16277.53	16154.56	16871.07	14445.46	11623.30	10432.19	11215.33	11403.39	10175.90	14177.31
CAGR	11437.31	13975.58	16138.08	16472.95	16725.17	14481.11	11578.17	10071.42	10969.54	11232.76	9963.56	13400.83
STATE	12122.54	14383.89	16427.77	16419.00	16500.61	14777.59	11281.91	10091.39	10949.16	11906.17	10076.03	10882.42
2023-24	11130	13284	15102	15330	15680	13780	11230	9780	10620	10887	9671	12730

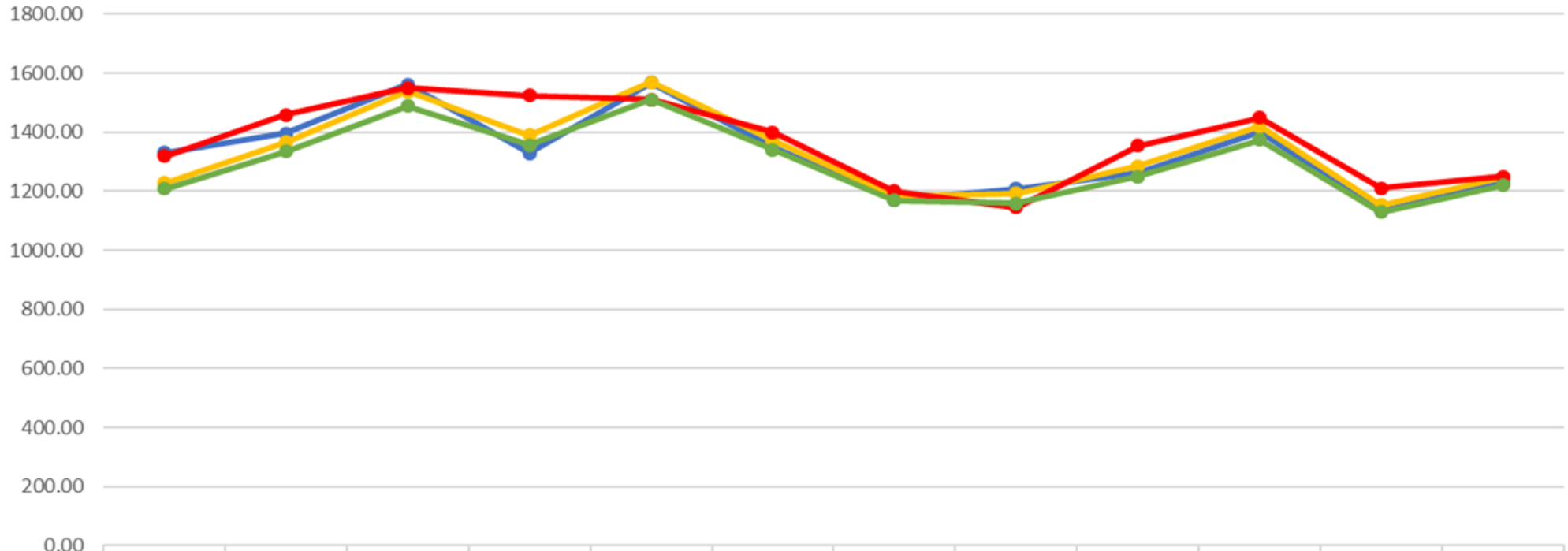
● WA
 ● CAGR
 ● STATE
 ● 2023-24

Uttar Pradesh (Peak Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	23681.59	28060.41	30168.76	29195.83	30355.95	33569.18	26096.72	21101.87	24192.67	26128.03	26310.21	25398.05
CAGR	25159.54	28216.83	29731.24	31396.78	28753.66	30268.33	25275.42	18755.35	22269.03	24000.59	21611.44	22108.36
STATE	24881.38	27735.96	29267.66	29981.04	30210	30528	24440	19032	21840	23400	20280	21525
2023-24	23474	26386	27611	28704	26900	28160	24010	18190	20969	22409	20370	20990

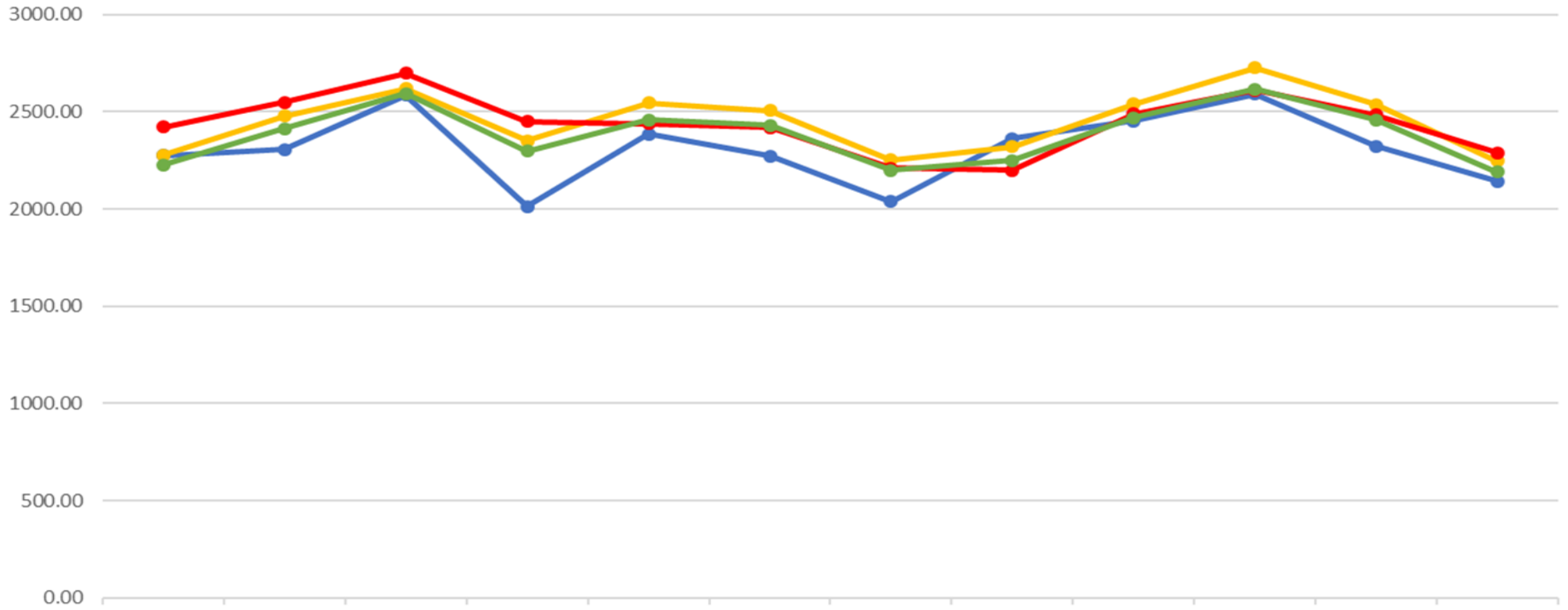
Uttarakhand (MU Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	1331.29	1396.53	1561.26	1328.61	1568.37	1348.89	1171.46	1209.00	1261.82	1402.63	1133.93	1232.17
CAGR	1227.32	1365.63	1538.75	1389.53	1569.32	1371.47	1183.61	1191.79	1285.59	1419.91	1152.39	1245.42
STATE	1320.00	1460.00	1550.00	1525.00	1510.00	1400.00	1200.00	1146.00	1355.00	1450.00	1210.00	1250.00
2023-24	1208	1335	1489	1357	1510	1340	1170	1160	1250	1375	1130	1220

● WA
 ● CAGR
 ● STATE
 ● 2023-24

Uttarakhand (Peak Demand)



	Apr/2024	May/2024	Jun/2024	Jul/2024	Aug/2024	Sep/2024	Oct/2024	Nov/2024	Dec/2024	Jan/2025	Feb/2025	Mar/2025
WA	2274.81	2306.03	2585.26	2014.47	2386.30	2272.20	2039.49	2364.00	2452.52	2590.99	2324.90	2144.37
CAGR	2277.39	2478.64	2619.77	2352.89	2547.14	2507.97	2252.54	2321.96	2541.10	2727.34	2537.48	2246.91
STATE	2422	2550	2700	2450	2440	2420	2210	2200	2490	2610	2485	2290
2023-24	2228	2415	2594	2298	2460	2430	2200	2250	2470	2617	2460	2190

2024-25 Planned Outage Schedule (NR)



2024-25 Thermal Planned Outage Schedule (NR)



