



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

उत्तर क्षेत्रीय विद्युत समिति

Northern Regional Power Committee

No. उ.क्षे.वि.स./प्रचालन/102/01/2022/200-238

दिनांक: 11.01.2022

विषय: उत्तर क्षेत्रीय विद्युत समिति की एल.जी.बी.आर. उप-समिति की 24^{वीं} बैठक का कार्यवृत्त ।

Subject: Minutes of 24th LGBR Sub-Committee meeting of NRPC.

उत्तर क्षेत्रीय विद्युत समिति की एल.जी.बी.आर. उप-समिति की 24^{वीं} बैठक दिनांक 10.01.2022 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।

24th LGBR Sub-Committee meeting of NRPC was held on 10.01.2022. 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


11/01/2022.
(सौमित्र मजूमदार)

अधीक्षण अभियंता (प्रचालन)

सेवा में,

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

Minutes of the 24th LGBR Sub-Committee meeting

1. 24th LGBR Sub-Committee meeting was held on 10.01.2022 through Video Conference.
2. Member Secretary, NRPC extended a warm welcome to all participants in the meeting. He informed that this meeting is being conducted to review the annual outage schedule of generating units for the FY 2022-23.
3. SE(O), NRPC informed that 23rd LGBR Sub-Committee meeting was held on 27.10.2021 and minutes of the meeting were issued on 29.10.2021. The request of BRPL to prepone the scheduled outage of unit-6 of Dadri-II was discussed. NTPC was requested to prepone the planned outage of Dadri-II unit as per the request of its beneficiary and postpone the planned outage of Dadri-III unit. However, NTPC representative expressed his inability to swap the outages of two units of Dadri by mentioning that outage of Dadri-III unit is being taken for Capital Overhaul and contract has already been awarded on priority basis.
4. Meeting agenda was presented before the sub-committee. Copy of the presentation is attached as Annexure-I.

A. Planned Outages for generators during Apr-22 to Mar-23

- It was mentioned that Ministry of Power has desired that respective RPCs shall review the planned outages of generators during the peak demand months of entire country. Accordingly, planned outages falling during the period June – September 2022 and finalized in the 23rd LGBR Sub-Committee have been listed out for review.
- NRLDC representative pointed out that demand for Rajasthan in the month of August was significantly higher during 2021-22 as compared to previous years. Henceforth, the forum felt the need to review some of the annual outages for FY 2022-23 pertaining to Rajasthan for the month July to September 2022.
- Based on the discussions held in the meeting, annual outage schedule for following four units were tentatively revised:

Station	Unit	Capacity (MW)	Outage from	Outage To	Duration (days)	Remarks
KAWAI TPS (ADANI POWER)	2	660	11-Sep-22	09-Oct-22	29	COH
CSCTPP CHHABRA	5	660	15-Aug-22	10-Sep-22	27	Annual Boiler Overhaul
CSCTPP CHHABRA	6	660	10-Oct-22	05-Nov-22	27	Annual Boiler Overhaul

KALISINDH TPS (KATPP)	1	600	15-Apr-22	06-May-22	22	Annual Boiler Overhaul
--------------------------	---	-----	-----------	-----------	----	---------------------------

- With regard to the discussions held on the issue of Reserve shutdown, NRLDC representative highlighted the issue of frequent tripping of Talwandi Saboo units during paddy season. On this matter, forum desired that Punjab SLDC shall take up the matter with Talwandi Saboo to ensure its unit availability during state's high demand period.
- Further on the matter of reserve shutdown, NRLDC requested the generating utilities to submit data pertaining to minimum time required by their generating units to be on bar from RSD and data pertaining to generator's Merit Order.

C. Anticipated Availability for the period Apr-22 to Mar-23

- SE(O), NRPC also briefed the sub-committee about the anticipated energy and peak availability and demand data for the period Apr-22 to Mar-23, which had been computed after the receipt of data from states and deliberations held in 23rd LGBR sub-committee meeting.

The meeting ended with vote of thanks to the chair.

24TH LGBR MEETING

(NRPC)

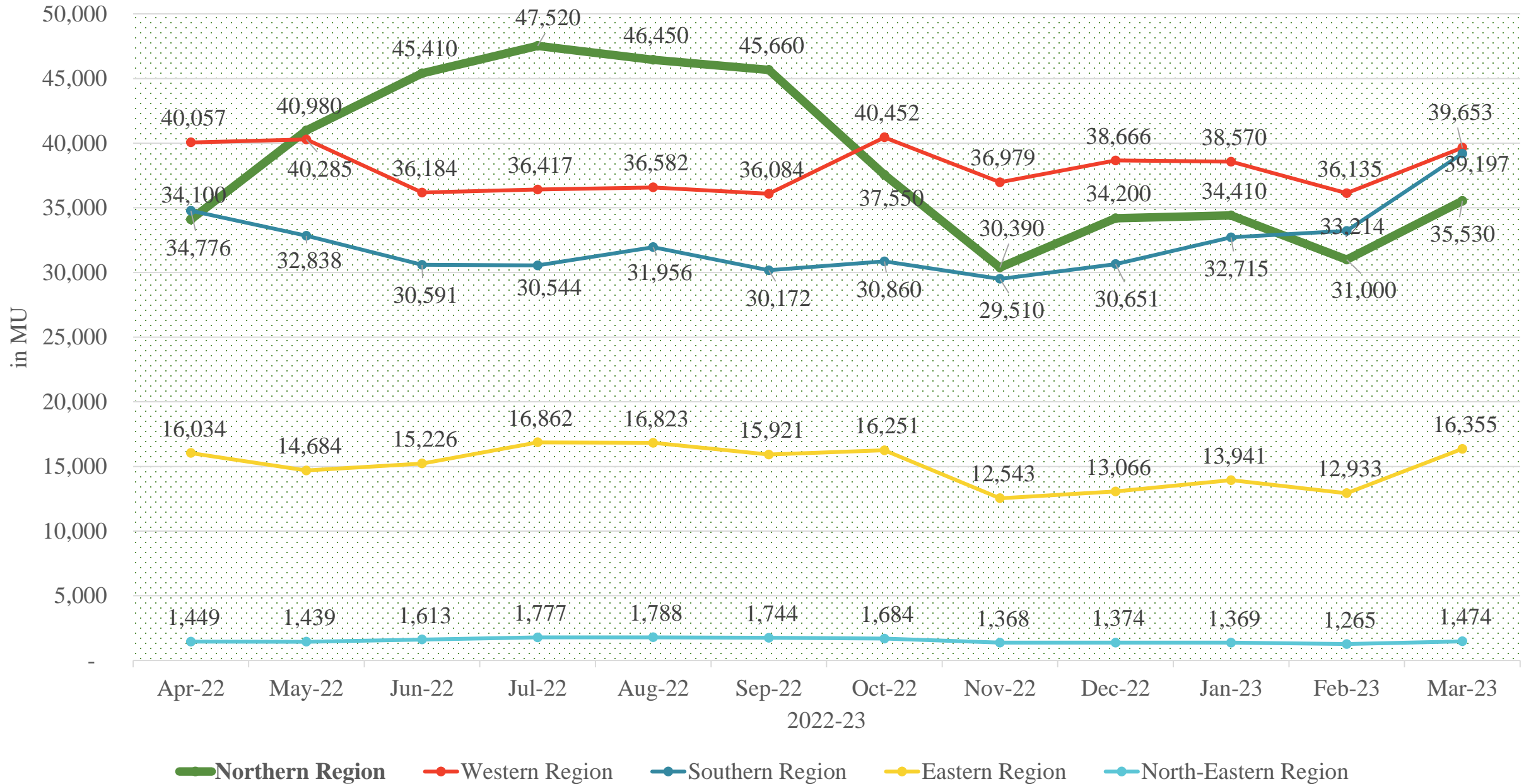
Minutes of 23rd LGBR meeting

- 23rd LGBR meeting was held on 27.10.2021
- Minutes of 23rd LGBR meeting issued on 29.10.2021
- BRPL (major beneficiary in Dadri-II) vide email dt. 09.11.2021 requested preponement of Unit#6 of Dadri-II from 22.03.2022 – 15.04.2022 to **01.02.2022 – 15.03.2022**
- ***Members may like to deliberate.***

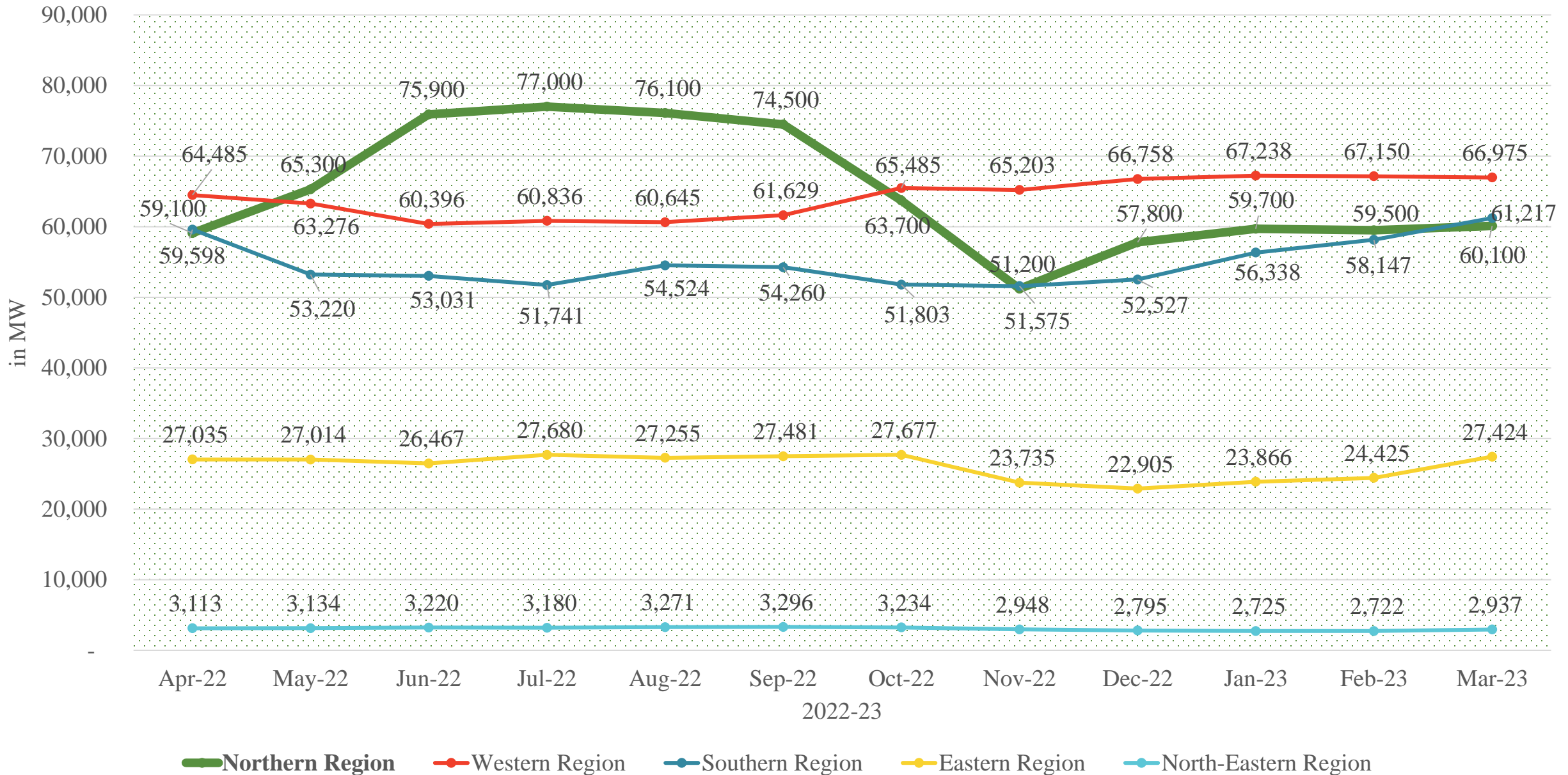
Review by Ministry of Power

- Meeting taken by Secretary (Power) on 06.01.2022
- Monthly Demand and Planned Outage for 2022-23 was discussed
- Requirement for Review of Annual Outage Planning for 2022-23 by RPCs was felt

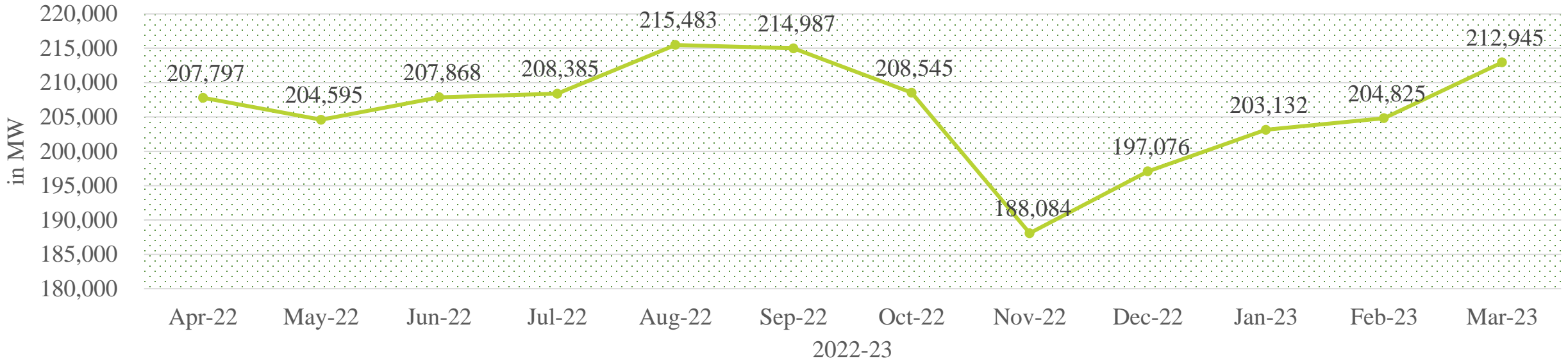
All India Anticipated Energy Requirement (2022-23): Monthly Region Wise



All India Anticipated Peak Demand (2022-23): Monthly Region Wise



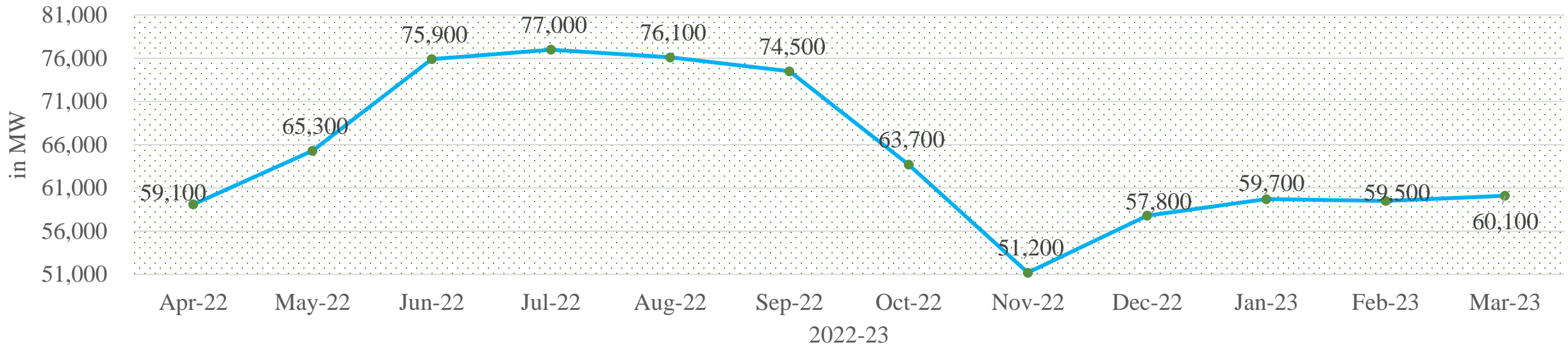
All India Monthly Anticipated Peak Demand (2022-23)



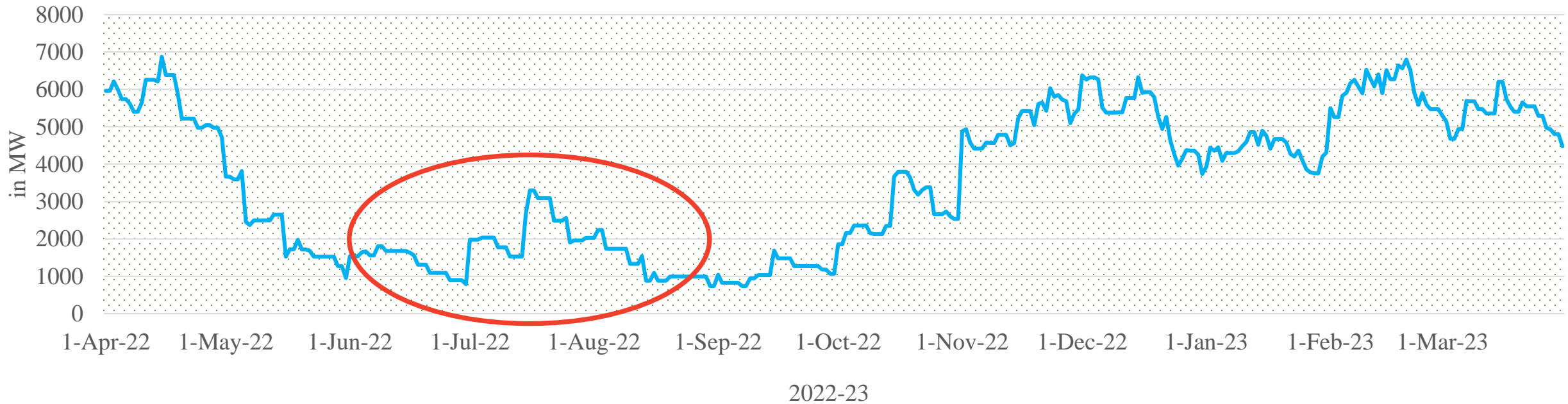
All India Planned Outages (MW)



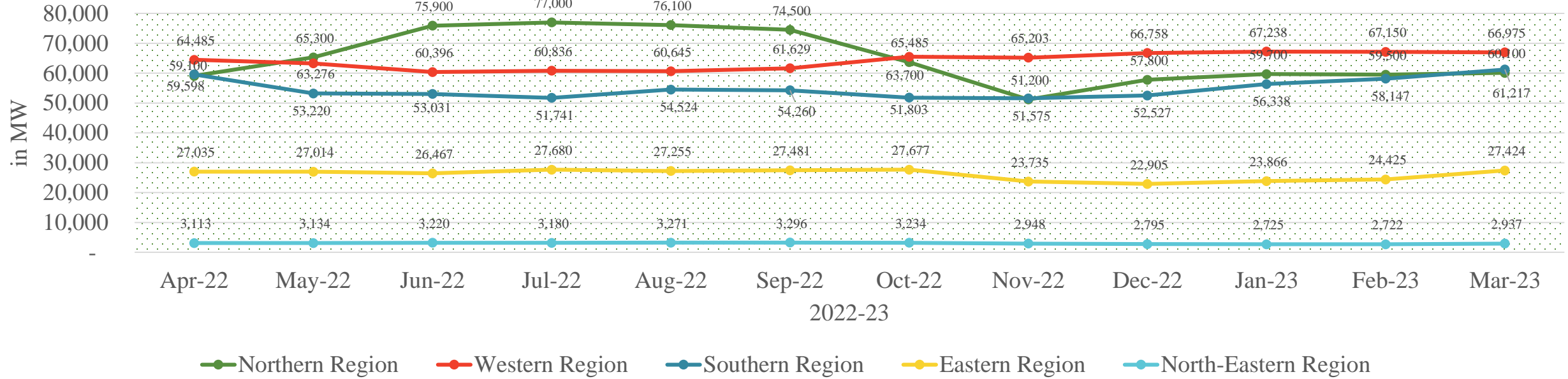
Northern Region Monthly Anticipated Peak Demand (April 22-March 23)



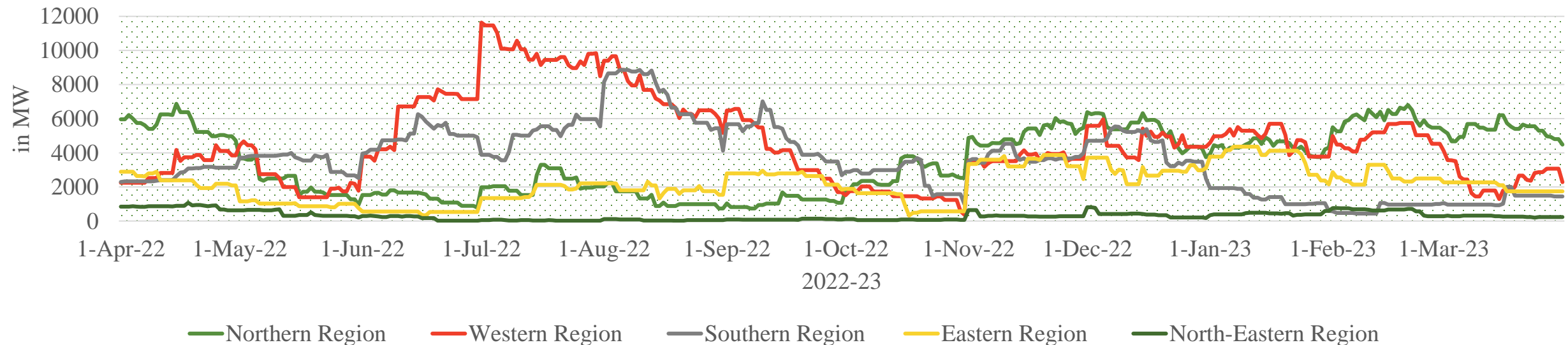
Northern Region Planned Outages (April 22-March 23)



All India Monthly Anticipated Peak Demand (2022-23): Region Wise



All India Planned Outages (2022-23): Region Wise



Planned Outage Schedule (Jun-Sep)

Station	Unit	Capacity (MW)	Outage from	Outage To	Duration (days)	Remarks
KAWAI TPS (ADANI POWER)	2	660	15-Jul-22	13-Aug-22	30	COH
SSCTPP SURATGARH	7	660	16-Jul-22	09-Aug-22	25	Annual Boiler Overhaul
CSCTPP CHHABRA	5	660	01-Jul-22	25-Jul-22	25	Annual Boiler Overhaul
CSCTPP CHHABRA	6	660	15-Sep-22	09-Oct-22	25	Annual Boiler Overhaul
KALISINDH TPS (KATPP)	1	600	01-Jul-22	21-Jul-22	21	Annual Boiler Overhaul
TEHRI ST-1 HPS	3	250	8-Jun-22	7-Jul-22	30	Planned Outage
SSTPS SURATGARH	2	250	15-Jul-22	03-Aug-22	20	Annual Boiler Overhaul
CTPP CHHABRA	1	250	10-Aug-22	29-Aug-22	20	Annual Boiler Overhaul
CTPP CHHABRA	2	250	15-Jul-22	03-Aug-22	20	Annual Boiler Overhaul
CTPP CHHABRA	4	250	01-Jun-22	10-Jul-22	40	Capital Overhaul
DADRI-I (NCTPP)	2	210	13-Aug-22	1-Sep-22	20	Annual OH
UNCHA HAR-II TPS	4	210	16-Aug-22	19-Sep-22	35	Annual OH
KOTA TPS (KSTPS)	3	210	02-Aug-22	16-Aug-22	15	Annual Boiler Overhaul
KOTA TPS (KSTPS)	4	210	01-Sep-22	15-Sep-22	15	Annual Boiler Overhaul
KOTA TPS (KSTPS)	5	210	01-Jun-22	17-Jul-22	47	Capital Overhaul
RAPS-A	2	200	1-Aug-22	31-Oct-22	92	Shutdown of Unit-2 for Boiler hairpin replacement job.
SINGRAULI STPS	5	200	9-Sep-22	8-Oct-22	30	Annual OH

Planned Outage Schedule (Jun-Sep)

Station	Unit	Capacity (MW)	Outage from	Outage To	Duration (days)	Remarks
DADRI CCPP	GT-2	130.19	5-Jun-22	9-Jun-22	5	4000 EOH Inspection + Boiler License
DADRI CCPP	GT-4	130.19	27-Jul-22	31-Jul-22	5	4000 EOH Inspection
AURAIYA CCPP	GT-2	111.19	4-Jun-22	4-Jun-22	1	Boiler License
TANDA TPS	4	110	20-Aug-22	28-Sep-22	40	Capital OH
ANTA CCPP	GT-2	88.71	1-Sep-22	6-Sep-22	6	WHRB#2 RLA, Hydro test & License Renewal. GT#2 Available for Open Cycle operation
ANTA CCPP	GT-3	88.71	11-Sep-22	26-Sep-22	16	GT#3 Minor Inspection (12000 VOH) and GT Excitation power component replacement
SEPL (Kashipur)	1	71.5	30-Jul-22	31-Jul-22	2	Offline water wash
SEPL (Kashipur)	2	71.5	25-Jul-22	26-Jul-22	2	Offline water wash
RAMGARH CCPP	ST-2	50	01-Jun-22	15-Jun-22	15	Annual Maintenance
MAHI-II HPS BANSWARA	1	45	01-Jun-22	30-Jun-22	30	Annual Maintenance
KOTLA HPS	1	28.94	04-Jul-22	07-Jul-22	4	Quarterly maintenance
GANGUWAL HPS	1	27.99	4-Jul-22	7-Jul-22	4	Quarterly maintenance
MAHI-I HPS BANSWARA	1	25	01-Jun-22	30-Jun-22	30	Annual Maintenance
GANGUWAL HPS	2	24.2	08-Jul-22	11-Jul-22	4	Quarterly maintenance
GANGUWAL HPS	3	24.2	12-Jul-22	15-Jul-22	4	Quarterly maintenance
KOTLA HPS	2	24.2	08-Jul-22	11-Jul-22	4	Quarterly maintenance
KOTLA HPS	3	24.2	12-Jul-22	15-Jul-22	4	Quarterly maintenance

Anticipated Energy Avl. & Demand

		Energy Availability & Demand (MU)											
State / UT		APR-2022	MAY-2022	JUN-2022	JUL-2022	AUG-2022	SEP-2022	OCT-2022	NOV-2022	DEC-2022	JAN-2023	FEB-2023	MAR-2023
CHANDIGARH	Availability	120	150	170	200	200	180	140	100	110	110	100	130
	Requirement	100	120	160	200	190	150	110	100	120	130	120	110
	Surplus/Shortfall (MU)	20	30	10	0	10	30	30	0	-10	-20	-20	20
	Surplus/Shortfall (%)	20.0%	25.0%	6.3%	0.0%	5.3%	20.0%	27.3%	0.0%	-8.3%	-15.4%	-16.7%	18.2%
DELHI	Availability	2330	2760	2860	3310	2910	3470	2870	2370	2380	2950	2570	2720
	Requirement	2900	3550	4100	4000	3750	3700	2750	2000	2300	2400	2000	2130
	Surplus/Shortfall (MU)	-570	-790	-1240	-690	-840	-230	120	370	80	550	570	590
	Surplus/Shortfall (%)	-19.7%	-22.3%	-30.2%	-17.3%	-22.4%	-6.2%	4.4%	18.5%	3.5%	22.9%	28.5%	27.7%
HARYANA	Availability	4930	5870	6200	6370	6270	6100	5340	4480	4870	5220	4660	4910
	Requirement	4180	5620	6610	6660	6680	6280	5000	3610	4180	4190	3960	4270
	Surplus/Shortfall (MU)	750	250	-410	-290	-410	-180	340	870	690	1030	700	640
	Surplus/Shortfall (%)	17.9%	4.4%	-6.2%	-4.4%	-6.1%	-2.9%	6.8%	24.1%	16.5%	24.6%	17.7%	15.0%
HIMACHAL PRADESH	Availability	930	1480	1790	2130	2130	1630	990	650	620	560	520	730
	Requirement	900	920	1030	1180	1080	1000	930	910	980	1000	890	950
	Surplus/Shortfall (MU)	30	560	760	950	1050	630	60	-260	-360	-440	-370	-220
	Surplus/Shortfall (%)	3.3%	60.9%	73.8%	80.5%	97.2%	63.0%	6.5%	-28.6%	-36.7%	-44.0%	-41.6%	-23.2%
UTs of J&K and LADAKH	Availability	1270	1890	2040	2240	2140	2000	1210	930	900	890	870	1110
	Requirement	1830	1780	1660	1690	1330	1580	1510	1660	1980	1930	1750	1790
	Surplus/Shortfall (MU)	-560	110	380	550	810	420	-300	-730	-1080	-1040	-880	-680
	Surplus/Shortfall (%)	-30.6%	6.2%	22.9%	32.5%	60.9%	26.6%	-19.9%	-44.0%	-54.5%	-53.9%	-50.3%	-38.0%
PUNJAB	Availability	5610	6900	7370	7600	7560	7040	6170	4890	5190	5690	4870	6420
	Requirement	3840	4760	7250	8590	8670	8170	5060	3340	3970	3990	3780	4410
	Surplus/Shortfall (MU)	1770	2140	120	-990	-1110	-1130	1110	1550	1220	1700	1090	2010
	Surplus/Shortfall (%)	46.1%	45.0%	1.7%	-11.5%	-12.8%	-13.8%	21.9%	46.4%	30.7%	42.6%	28.8%	45.6%
RAJASTHAN	Availability	8150	9280	9520	8530	9640	8640	8400	8150	8610	8830	7690	8820
	Requirement	7760	8590	8560	8630	8820	8810	8910	8680	9210	9130	8190	8990
	Surplus/Shortfall (MU)	390	690	960	-100	820	-170	-510	-530	-600	-300	-500	-170
	Surplus/Shortfall (%)	5.0%	8.0%	11.2%	-1.2%	9.3%	-1.9%	-5.7%	-6.1%	-6.5%	-3.3%	-6.1%	-1.9%
UTTAR PRADESH	Availability	12350	14650	14810	15320	15770	14750	13390	11190	11640	12600	10680	12940
	Requirement	11400	14570	14700	14890	14570	14500	12090	9070	10230	10390	9210	11770
	Surplus/Shortfall (MU)	950	80	110	430	1200	250	1300	2120	1410	2210	1470	1170
	Surplus/Shortfall (%)	8.3%	0.5%	0.7%	2.9%	8.2%	1.7%	10.8%	23.4%	13.8%	21.3%	16.0%	9.9%
UTTARAKHAND	Availability	990	1220	1380	1520	1470	1450	1100	820	790	810	750	920
	Requirement	1190	1070	1340	1680	1360	1470	1190	1020	1230	1250	1100	1110
	Surplus/Shortfall (MU)	-200	150	40	-160	110	-20	-90	-200	-440	-440	-350	-190
	Surplus/Shortfall (%)	-16.8%	14.0%	3.0%	-9.5%	8.1%	-1.4%	-7.6%	-19.6%	-35.8%	-35.2%	-31.8%	-17.1%
N.R.	Availability	36680	44200	46140	47220	48090	45260	39610	33580	35110	37660	32710	38700
	Requirement	34100	40980	45410	47520	46450	45660	37550	30390	34200	34410	31000	35530
	Surplus/Shortfall (MU)	2580	3220	730	-300	1640	-400	2060	3190	910	3250	1710	3170
	Surplus/Shortfall (%)	7.6%	7.9%	1.6%	-0.6%	3.5%	-0.9%	5.5%	10.5%	2.7%	9.4%	5.5%	8.9%

Anticipated Peak MW Avl. & Demand

		Peak Availability & Demand (MW)											
State / UT		APR-2022	MAY-2022	JUN-2022	JUL-2022	AUG-2022	SEP-2022	OCT-2022	NOV-2022	DEC-2022	JAN-2023	FEB-2023	MAR-2023
CHANDIGARH	Availability	320	350	340	370	360	360	340	250	240	240	270	270
	Requirement	290	360	380	440	360	410	220	210	270	280	240	250
	Surplus/Shortfall (MW)	30	-10	-40	-70	0	-50	120	40	-30	-40	30	20
	Surplus/Shortfall (%)	10.3%	-2.8%	-10.5%	-15.9%	0.0%	-12.2%	54.5%	19.0%	-11.1%	-14.3%	12.5%	8.0%
DELHI	Availability	6340	6680	6710	6690	6450	6580	6540	6450	6300	6510	6630	6550
	Requirement	6100	6900	7500	8200	7050	7260	5400	4060	5470	5560	4970	4300
	Surplus/Shortfall (MW)	240	-220	-790	-1510	-600	-680	1140	2390	830	950	1660	2250
	Surplus/Shortfall (%)	3.9%	-3.2%	-10.5%	-18.4%	-8.5%	-9.4%	21.1%	58.9%	15.2%	17.1%	33.4%	52.3%
HARYANA	Availability	10750	11510	11670	11640	11600	11600	11160	10740	10690	11160	11340	10600
	Requirement	9030	9870	12030	12700	11990	10840	9200	6930	8010	7930	8470	7590
	Surplus/Shortfall (MW)	1720	1640	-360	-1060	-390	760	1960	3810	2680	3230	2870	3010
	Surplus/Shortfall (%)	19.0%	16.6%	-3.0%	-8.3%	-3.3%	7.0%	21.3%	55.0%	33.5%	40.7%	33.9%	39.7%
HIMACHAL PRADESH	Availability	3160	3200	3250	3250	3220	3220	3130	2900	2930	2910	3110	3130
	Requirement	1650	1510	1660	1680	1670	1640	1630	1820	1990	2030	1960	1900
	Surplus/Shortfall (MW)	1510	1690	1590	1570	1550	1580	1500	1080	940	880	1150	1230
	Surplus/Shortfall (%)	91.5%	111.9%	95.8%	93.5%	92.8%	96.3%	92.0%	59.3%	47.2%	43.3%	58.7%	64.7%
UTs of J&K and LADAKH	Availability	3000	3480	3490	3510	3460	3450	3000	3340	3270	3240	3530	3510
	Requirement	3110	2880	2810	2610	2400	2660	2470	2560	2980	3000	2970	3670
	Surplus/Shortfall (MW)	-110	600	680	900	1060	790	530	780	290	240	560	-160
	Surplus/Shortfall (%)	-3.5%	20.8%	24.2%	34.5%	44.2%	29.7%	21.5%	30.5%	9.7%	8.0%	18.9%	-4.4%
PUNJAB	Availability	10870	12030	12220	12220	12150	12150	11460	11140	11580	11650	11640	11950
	Requirement	8370	8930	15500	15320	14700	14340	9440	6200	7450	7230	7490	7670
	Surplus/Shortfall (MW)	2500	3100	-3280	-3100	-2550	-2190	2020	4940	4130	4420	4150	4280
	Surplus/Shortfall (%)	29.9%	34.7%	-21.2%	-20.2%	-17.3%	-15.3%	21.4%	79.7%	55.4%	61.1%	55.4%	55.8%
RAJASTHAN	Availability	18520	18830	18870	16450	18820	18590	18540	18410	18950	19180	18750	18980
	Requirement	12200	14000	14300	14790	15500	14650	14360	13810	15410	15130	15780	16140
	Surplus/Shortfall (MW)	6320	4830	4570	1660	3320	3940	4180	4600	3540	4050	2970	2840
	Surplus/Shortfall (%)	51.8%	34.5%	32.0%	11.2%	21.4%	26.9%	29.1%	33.3%	23.0%	26.8%	18.8%	17.6%
UTTAR PRADESH	Availability	23990	26740	26870	26950	26780	26670	25060	22440	24560	24890	25330	24480
	Requirement	21500	24500	26210	27380	26130	27090	23100	17500	19360	20280	19600	20190
	Surplus/Shortfall (MW)	2490	2240	660	-430	650	-420	1960	4940	5200	4610	5730	4290
	Surplus/Shortfall (%)	11.6%	9.1%	2.5%	-1.6%	2.5%	-1.6%	8.5%	28.2%	26.9%	22.7%	29.2%	21.2%
UTTARAKHAND	Availability	2850	2910	2890	2970	2950	2940	2780	2630	2720	2780	2830	2810
	Requirement	1960	1800	2250	2350	2350	2190	1990	1850	2400	2300	2310	2090
	Surplus/Shortfall (MW)	890	1110	640	620	600	750	790	780	320	480	520	720
	Surplus/Shortfall (%)	45.4%	61.7%	28.4%	26.4%	25.5%	34.2%	39.7%	42.2%	13.3%	20.9%	22.5%	34.4%
N.R.	Availability	73490	79170	79290	75760	79490	78590	76990	72910	74080	77360	77800	77480
	Requirement	59100	65300	75900	77000	76100	74500	63700	51200	57800	59700	59500	60100
	Surplus/Shortfall (MW)	14390	13870	3390	-1240	3390	4090	13290	21710	16280	17660	18300	17380
	Surplus/Shortfall (%)	24.3%	21.2%	4.5%	-1.6%	4.5%	5.5%	20.9%	42.4%	28.2%	29.6%	30.8%	28.9%