



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
उत्तर क्षेत्रीय विद्युत समिति
Northern Regional Power Committee

सं.: उ.क्षे.वि.स./प्रचालन/106/01/2023/1879-1920

दिनांक: 21.02.2023

विषय: उत्तर क्षेत्रीय विद्युत समिति की प्रचालन समन्वय उप-समिति की 204^{वीं} बैठक के खण्ड-अ में लिए गए निर्णयों का सार।

Subject: Gist of decisions taken in the Part-A of 204th OCC meeting of NRPC.

उत्तर क्षेत्रीय विद्युत समिति की प्रचालन समन्वय उप-समिति की 204^{वीं} बैठक दिनांक 17.02.2023 को आयोजित की गयी। उक्त बैठक की खण्ड-अ में लिए गए निर्णयों का सार **अनुलग्नक - अ** के रूप में संलग्न है।

204th meeting of the Operation Co-ordination Sub-Committee of NRPC was held on 17.02.2023. The Gist of the decisions taken in Part-A of this meeting is enclosed as **Annexure-A**.

UJMF
21.02.2023

(प्रदीप कुमार)
कार्यपालक अभियंता (प्रचालन)

सेवा में,
प्रचालन समन्वय उप-समिति के सभी सदस्य।

Gist of decisions taken in the Part-A of 204th OCC Meeting

Agenda No. 1: Confirmation of Minutes

Minutes of 203rd OCC meeting was issued on 07.02.2023.

- With regard to Agenda No. 7 (Part-A) (NR Islanding Scheme), UPSLDC vide letter dated 10.02.2023 requested OCC forum that following statement may kindly be added:

“In the meeting, it was decided that UPPTCL will arrange and commission UFRs to be installed at substations of PGCIL. It was also decided that UPPTCL shall request PGCIL to give consent for testing and maintaining UFRs and related system at their substations.”

- With regard to Agenda No. 14 (Part-A) (LC-oscillations/resonance in over-compensated 765kV transmission lines in Northern Region-1), NRLDC vide mail dated 17.02.2023 proposed to remove point 14.2 as it is not relevant with present issue and voltage and reactive power stability study are not related to LC oscillations/ resonance. Moreover, studies carried out by CTUIL in this regard were submitted in 8th CMETS and 56th NRPC meeting and not separately to NRLDC. The said study results are attached in agenda of 56 NRPC meeting (Page 76-91).

OCC confirmed the minutes with above modifications.

Agenda No. 2.1: Supply Position (Provisional) for January 2023

Reasons submitted by states for significant deviation of actual demand from anticipated figures during the month of January 2023 are as under:

- **Himachal Pradesh**

The Anticipation in Energy Requirement and Peak Demand in respect of Himachal Pradesh for the month of January, 2023 came on the lower side due to the forced shutdown of two major cement industries in the State.

- **Haryana**

The increase in peak demand and energy consumption is due to severe cold condition in the month of Jan-23.

- **Punjab**

It is intimated that actual maximum demand and actual energy requirement are more as compared to anticipated maximum demand and anticipated energy requirement respectively because of long dry spell, increase in overall demand of consumers, especially domestic consumers in the state of Punjab during the month of January 2023.

- **Rajasthan**

The Energy consumption & Peak Demand increased by 5.2 % & 7.4 % respectively w.r.t. Anticipated Energy requirement & Anticipated Peak Demand for January' 2023. Variation in Energy requirement is due to increase in supply hours to agriculture load (From 5 hours

to 6/7 hours) and increase in Peak demand is due to overlapping of agriculture blocks in Solar hours.

- **Uttar Pradesh**

Generally normal growth of the states lies within 6 to 7%, but due to severe winter this year in the month of January in comparison to the last year, actual energy consumption was higher than anticipated.

Agenda No. 3.1: Maintenance Programme of Generating units and Transmission Lines

- The maintenance programme of generating units and transmission lines for the month of March 2023 was deliberated in the meeting on 16.02.2023.

Agenda No. 4.: Anticipated Power Supply Position in Northern Region for January 2023

- The updated anticipated Power Supply Position for January 2023 is as below:

State / UT	Availability / Requirement	Revised Energy (MU)	Revised Peak (MW)	Date of revision
CHANDIGARH	Availability	130	290	No Revision submitted
	Requirement	110	250	
	Surplus / Shortfall	20	40	
	% Surplus / Shortfall	18.2%	16.0%	
DELHI	Availability	3019	4700	15-Feb-23
	Requirement	2125	4700	
	Surplus / Shortfall	894	0	
	% Surplus / Shortfall	42.1%	0.0%	
HARYANA	Availability	4590	10560	14-Feb-23
	Requirement	4400	8400	
	Surplus / Shortfall	190	2160	
	% Surplus / Shortfall	4.3%	25.7%	
HIMACHAL PRADESH	Availability	1023	1970	13-Feb-23
	Requirement	1029	1954	
	Surplus / Shortfall	-6	16	
	% Surplus / Shortfall	-0.5%	0.8%	
J&K and LADAKH	Availability	1150	1400	26-Dec-22
	Requirement	1790	2900	

State / UT	Availability / Requirement	Revised Energy (MU)	Revised Peak (MW)	Date of revision
	Surplus / Shortfall	-640	-1500	
	% Surplus / Shortfall	-35.8%	-51.7%	
PUNJAB	Availability	5890	11720	16-Feb-23
	Requirement	4950	9100	
	Surplus / Shortfall	940	2620	
	% Surplus / Shortfall	19.0%	28.8%	
RAJASTHAN	Availability	8960	19000	16-Feb-23
	Requirement	8990	16140	
	Surplus / Shortfall	-30	2860	
	% Surplus / Shortfall	-0.3%	17.7%	
UTTAR PRADESH	Availability	11780	21000	15-Feb-23
	Requirement	11470	21000	
	Surplus / Shortfall	310	0	
	% Surplus / Shortfall	2.7%	0.0%	
UTTARAKHAND	Availability	1228	2110	07-Feb-23
	Requirement	1240	2190	
	Surplus / Shortfall	-12	-80	
	% Surplus / Shortfall	-0.9%	-3.7%	
NORTHERN REGION	Availability	37771	68500	
	Requirement	36104	62700	
	Surplus / Shortfall	1667	5800	
	% Surplus / Shortfall	4.6%	9.3%	

Agenda No. 5: Submission of breakup of Energy Consumption by the states

- The updated status on the submission of energy consumption breakup is presented below:

State / UT	From	To
Delhi	Apr-2018	Nov-2022
Haryana	Apr-2018	Dec-2022

State / UT	From	To
Himachal Pradesh	Apr-2018	Dec-2022
Punjab	Apr-2018	Dec-2022
Rajasthan	Apr-2018	Nov-2022
Uttar Pradesh	Apr-2018	Oct-2022
Uttarakhand	Apr-2018	Nov-2022

Agenda No. 6: Follow-up of issues from various OCC Meetings - Status update

- Updated status is enclosed as **Annexure-A.I**.
- In 195th OCC, SLDCs were requested to again to coordinate with respective Transmission utilities of states/UT's and submit details about the updated status of downstream network by State utilities from ISTS Station (**Annexure-A-I.I**) before every OCC meeting.

Agenda No. 7. NR Islanding scheme

- In the meeting (204th OCC), AEE(SS) apprised the forum that a meeting was held on 11th January 2023 with Himachal Pradesh and Delhi, regarding implementation of islanding schemes in these states.
- In the meeting held on 11.01.2023, setting received from generators involved in Kullu-Manali islanding scheme was deliberated and it was found that their under frequency protection setting can be set below 47.9 Hz.
- However, with regard to Shimla-Solan islanding scheme some HEPs were requested to intimate there under frequency protection setting within one week.
- Representative from HP apprised the forum that they had consulted with the concerned OEM Department and the latter had informed that the generator is designed for +-3% and it will be difficult to take frequency setting below the design limits.He also asked NRPC Secretariat to plan a Meeting in the the coming months to further deliberate on this issue.
- No comments were received from Delhi Representative regarding the cited subject.
- AEE(P), NRPC enquired about the status of Pathankot-RSD IS as implementation date was 31.12.2022. Punjab informed that RSD IS is expected to be commissioned by 25.02.2023.
- Further, UP was also enquired about status of study by CPRI in Agra islanding scheme. UPSLDC informed that interim report has been submitted by CPRI, however issues were observed in few cases which is communicated to CPRI. He stated that final report is expected at the earliest.

Agenda No. 8. Coal Supply Position of Thermal Plants in Northern Region

- In the meeting, NRPC representative apprised the forum about the coal stock position of generating stations in northern region during current month (till 10th February 2023).
- Average coal stock position of generating stations in northern region, having critical stock, during first ten days of February 2023 is as follows:

Station	Capacity (MW)	PLF % (prev. months)	Normative Stock Req'd. (Days)	Actual Stock (Days)
GH TPS (LEH.MOH.)	920	64.10	26	2.6
KOTA TPS	1240	69.49	26	3.2
SURATGARH TPS	1500	51.70	26	2.3
CHHABRA-I PH-1 TPP	500	78.82	26	0.9
KALISINDH TPS	1200	80.57	26	2.3
SURATGARH STPS	1320	0.00	26	1.4
CHHABRA-I PH-2 TPP	500	68.97	26	2.2
CHHABRA-II TPP	1320	57.28	26	1.4

- In the meeting, above mentioned generating stations were requested to take adequate measures.

Agenda No. 9. Draft guidelines on manpower adequacy for SLDCs (Agenda by NRPC Sectt.)

- NRPC representative apprised forum that cited agenda was deliberated in 61st NRPC meeting wherein GM division, CEA informed that a meeting was taken by Secretary(Power) with CEA and Grid Controller of India to discuss draft guidelines on manpower adequacy for SLDC's.
- In the meeting, NRPC representative apprised forum about the discussions held on the cited matter in the 61st NRPC meeting. (Copy of MoM of meeting is attached as Annexure-A.IV of agenda) wherein It was decided that this agenda may also be discussed in OCC meeting.
- During discussion, it emerged that system operators at NRLDC get performance linked incentives. Henceforth, MS NRPC stated that as work of SLDC's are similar to NRLDC, a mechanism may be devised that system operators at SLDC's also have performance based incentive as it will surely boost their morale.
- OCC forum opined that lecture series of eminent speakers in power sector may be created by NRLDC and shared with all the SLDC's for updation and enhancement of their knowledge skill set.
- MS, NRPC opined that a mechanism be devised that once an employee at SLDC are certified for deployment as system operator then retention for three years shall be mandatory for that official.
- MS, NRPC asked all the concerned SLDC's of States/UT's of Norther Region that they may send their views on the draft guidelines to NRPC Sectt.. by 28th February 2023, so that consolidated views can be communicated to GM division, CEA for further deliberation in NPC forum as the matter pertains to all RPC's. Further, if no inputs are received from SLDC's by 28th February 2023, then their input shall be treated as NIL on the cited matter.

Agenda No. 10. Expeditious revival of thermal (coal) units by Mar-23 (i.e. 31.03.2023) and ensure maximum capacity on bar during anticipated crunch period (from 01st April to 15th May-23) (Agenda by NRPC Sectt.)

- NRPC representative highlighted that Grid Controller of India vide letter dated 10.02.2023 (copy of letter enclosed as **Annexure-A.II**) has highlighted that in view of high forecasted demand and likely resource adequacy issues in the upcoming summer months (especially from 01st April'23 to 15th May'23), MoP has directed to defer all planned outages from 01st April'23 to 15th May'23 to ensure maximum thermal units remain on bar during the above mentioned high demand period.
- Grid Controller of India vide the aforesaid letter has also requested all RPC's to kindly advise all the utilities of their region to make all efforts in regarding the following:
 - Expeditious revival of all thermal (coal) units which are under planned outage so as to be available by March end.
 - Ensure adequate fuel stocks at all plants so as to maintain required generation levels during the high demand period.
 - All the states to maintain the appropriate reserves on bar at all times to accommodate to any unforeseen demand variation and/or variability in RE generation/contingency.
 - Review of the shutdown of other elements (bus, ICT/transmission line/HVDC etc.) to avoid any transmission bottleneck.
 - All defense mechanisms viz; UFR, df/dt, ADMS etc. should be ensured to be in service and healthy.
- Further, NRPC representative apprised forum that vide the aforesaid letter Grid Controller of India has enclosed the daily outage report (as on 00:00 hrs. of 08th February 2023) highlighting units which are under outage for more than 30 days and units which are under outage for less than 30 days.
- In this regard, MS NRPC asked all the generating utilities of NR for strict compliance of MoP directions to ensure that all thermal units remain on bar during the anticipated crunch period (from 01st April to 15th May-23).

Agenda No.11. Guidelines/ Procedure for Certification of Open Cycle Operation of Combined Cycle Gas Based Generating Stations (Agenda by NRPC Sectt.)

- Agenda withdrawn by NRPC Sectt.

Follow up issues from previous OCC meetings

Annexure-A. I

1	Down Stream network by State utilities from ISTS Station	Augmentation of transformation capacity in various existing substations, addition of new substations along with line bays as well as requirement of line bays by STUs for downstream network are under implementation at various locations in Northern Region. Further, 220kV bays have already been commissioned at various substations in NR. For its utilization, downstream 220kV system needs to be commissioned.	List of downstream networks is enclosed in Annexure-A. I. I.																																								
2	Progress of installing new capacitors and repair of defective capacitors	Information regarding installation of new capacitors and repair of defective capacitors is to be submitted to NRPC Secretariat.	<p>Data upto following months, received from various states / UTs:</p> <table border="1" data-bbox="906 824 1556 1126"> <tr><td>⊙ CHANDIGARH</td><td>Sep-2019</td></tr> <tr><td>⊙ DELHI</td><td>Jan-2023</td></tr> <tr><td>⊙ HARYANA</td><td>Nov-2022</td></tr> <tr><td>⊙ HP</td><td>Jan-2023</td></tr> <tr><td>⊙ J&K and LADAKH</td><td>Not Available</td></tr> <tr><td>⊙ PUNJAB</td><td>Jul-2022</td></tr> <tr><td>⊙ RAJASTHAN</td><td>Jan-2023</td></tr> <tr><td>⊙ UP</td><td>Jan-2023</td></tr> <tr><td>⊙ UTTARAKHAND</td><td>Jan-2023</td></tr> </table> <p>All States/UTs are requested to update status on monthly basis.</p>	⊙ CHANDIGARH	Sep-2019	⊙ DELHI	Jan-2023	⊙ HARYANA	Nov-2022	⊙ HP	Jan-2023	⊙ J&K and LADAKH	Not Available	⊙ PUNJAB	Jul-2022	⊙ RAJASTHAN	Jan-2023	⊙ UP	Jan-2023	⊙ UTTARAKHAND	Jan-2023																						
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3	Healthiness of defence mechanism: Self-certification	<p>Report of mock exercise for healthiness of UFRs carried out by utilities themselves on quarterly basis is to be submitted to NRPC Secretariat and NRLDC. All utilities were advised to certify specifically, in the report that “All the UFRs are checked and found functional”.</p> <p>In compliance of NPC decision, NR states/constituents agreed to raise the AUFR settings by 0.2 Hz in 47th TCC/49th NRPC meetings.</p>	<p>Data upto following months, received from various states / UTs:</p> <table border="1" data-bbox="906 1328 1556 1659"> <tr><td>⊙ CHANDIGARH</td><td>Not Available</td></tr> <tr><td>⊙ DELHI</td><td>Dec-2022</td></tr> <tr><td>⊙ HARYANA</td><td>Dec-2022</td></tr> <tr><td>⊙ HP</td><td>Nov-2022</td></tr> <tr><td>⊙ J&K and LADAKH</td><td>Not Available</td></tr> <tr><td>⊙ PUNJAB</td><td>Jun-2022</td></tr> <tr><td>⊙ RAJASTHAN</td><td>Sep-2022</td></tr> <tr><td>⊙ UP</td><td>Dec-2022</td></tr> <tr><td>⊙ UTTARAKHAND</td><td>Dec-2022</td></tr> <tr><td>⊙ BBMB</td><td>Dec-2022</td></tr> </table> <p>All States/UTs are requested to update status for healthiness of UFRs on monthly basis for islanding schemes and on quarterly basis for the rest .</p> <p>Status:</p> <table border="1" data-bbox="906 1888 1556 2213"> <tr><td>⊙ CHANDIGARH</td><td>Not Available</td></tr> <tr><td>⊙ DELHI</td><td>Increased</td></tr> <tr><td>⊙ HARYANA</td><td>Increased</td></tr> <tr><td>⊙ HP</td><td>Increased</td></tr> <tr><td>⊙ J&K and LADAKH</td><td>Not increased</td></tr> <tr><td>⊙ PUNJAB</td><td>Increased</td></tr> <tr><td>⊙ RAJASTHAN</td><td>Increased</td></tr> <tr><td>⊙ UP</td><td>Increased</td></tr> <tr><td>⊙ UTTARAKHAND</td><td>Increased</td></tr> <tr><td>⊙ BBMB</td><td>Increased</td></tr> </table>	⊙ CHANDIGARH	Not Available	⊙ DELHI	Dec-2022	⊙ HARYANA	Dec-2022	⊙ HP	Nov-2022	⊙ J&K and LADAKH	Not Available	⊙ PUNJAB	Jun-2022	⊙ RAJASTHAN	Sep-2022	⊙ UP	Dec-2022	⊙ UTTARAKHAND	Dec-2022	⊙ BBMB	Dec-2022	⊙ CHANDIGARH	Not Available	⊙ DELHI	Increased	⊙ HARYANA	Increased	⊙ HP	Increased	⊙ J&K and LADAKH	Not increased	⊙ PUNJAB	Increased	⊙ RAJASTHAN	Increased	⊙ UP	Increased	⊙ UTTARAKHAND	Increased	⊙ BBMB	Increased
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			BBMB was requested to submit the updated self certification report indicating increase of 0.2 Hz in AUFR settings, within one week. J&K and LADAKH were requested to update status for increasing settings of UFRs.																		
4	Status of FGD installation vis-à-vis installation plan at identified TPS	List of FGDs to be installed in NR was finalized in the 36th TCC (special) meeting dt. 14.09.2017. All SLDCs were regularly requested since 144th OCC meeting to take up with the concerned generators where FGD was required to be installed. Further, progress of FGD installation work on monthly basis is monitored in OCC meetings.	Status of the information submission (month) from states / utilities is as under: <table border="1"> <tr> <td>☉</td> <td>HARYANA</td> <td>Sep-2022</td> </tr> <tr> <td>☉</td> <td>PUNJAB</td> <td>Feb-2023</td> </tr> <tr> <td>☉</td> <td>RAJASTHAN</td> <td>Feb-2023</td> </tr> <tr> <td>☉</td> <td>UP</td> <td>Sep-2022</td> </tr> <tr> <td>☉</td> <td>NTPC</td> <td>Feb-2022</td> </tr> </table> FGD status details are enclosed as Annexure-A. I. II. All States/utilities are requested to update status of FGD installation progress on monthly basis.	☉	HARYANA	Sep-2022	☉	PUNJAB	Feb-2023	☉	RAJASTHAN	Feb-2023	☉	UP	Sep-2022	☉	NTPC	Feb-2022			
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5	Information about variable charges of all generating units in the Region	The variable charges detail for different generating units are available on the MERIT Order Portal.	All states/UTs are requested to submit daily data on MERIT Order Portal timely.																		
6	Status of Automatic Demand Management System in NR states/UT's	The status of ADMS implementation in NR, which is mandated in clause 5.4.2 (d) of IEGC by SLDC/SEB/DISCOMs is presented in the following table:	Status: <table border="1"> <tr> <td>☉</td> <td>DELHI</td> <td>Fully implemented</td> </tr> <tr> <td>☉</td> <td>HARYANA</td> <td>Scheme not implemented</td> </tr> <tr> <td>☉</td> <td>HP</td> <td>Scheme not implemented</td> </tr> <tr> <td>☉</td> <td>PUNJAB</td> <td>Scheme not implemented</td> </tr> <tr> <td>☉</td> <td>RAJASTHAN</td> <td>Under implementation. Likely completion schedule is 31.03.2023.</td> </tr> <tr> <td>☉</td> <td>UP</td> <td>Scheme implemented by NPCIL only</td> </tr> </table>	☉	DELHI	Fully implemented	☉	HARYANA	Scheme not implemented	☉	HP	Scheme not implemented	☉	PUNJAB	Scheme not implemented	☉	RAJASTHAN	Under implementation. Likely completion schedule is 31.03.2023.	☉	UP	Scheme implemented by NPCIL only
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7	Reactive compensation at 220 kV/ 400 kV level at 15 substations			
	State / Utility	Substation	Reactor	Status
i	POWERGRID	Kurukshetra	500 MVar TCR	Anticipated commissioning: First week of March' 23
ii	DTL	Peeragarhi	1x50 MVar at 220 kV	PO awarded to M/s Kanohar Electricals Ltd. Drawings approved and under final stage inspection. GIS Bay is already available.
iii	DTL	Harsh Vihar	2x50 MVar at 220 kV	PO awarded to M/s Kanohar Electricals Ltd. Drawings approved and under final stage inspection. GIS Bay is already available.
iv	DTL	Mundka	1x125 MVar at 400 kV & 1x25 MVar at 220 kV	Bay work awarded to M/s. Ethos. Bay work is expected to be completed by Dec.21. Reactor part tender is dropped and at present same is under revision.
v	DTL	Bamnauli	2x25 MVar at 220 kV	Bay work awarded to M/s. Ethos. Bay work is expected to be completed by Dec.21. Reactor part tender is dropped and at present same is under revision.
vi	DTL	Indraprastha	2x25 MVar at 220 kV	Bay work awarded to M/s. Ethos. Bay work is expected to be completed by Dec.21. Reactor part tender is dropped and at present same is under revision.
vii	DTL	Electric Lane	1x50 MVar at 220 kV	Under Re-tendering due to Single Bid
viii	PUNJAB	Dhuri	1x125 MVar at 400 kV & 1x25 MVar at 220 kV	400kV Reactors - LOA issued on dated. 17.08.2021 and date of completion of project is 18 months from the date of LOA. 220kV Reactors - LOA issued on dated 19.07.2021 and date of completion of project is 18 months from the date of LOA. Commsioned 27th Jan' 23
ix	PUNJAB	Nakodar	1x25 MVar at 220 kV	1x25 MVAR Reactor at Nakodar has been commissioned on dated 13th February' 2023.
x	PTCUL	Kashipur	1x125 MVAR at 400 kV	Price bid has been opened and is under evaluation. Retendered in Jan' 23
xi	RAJASTHAN	Akal	1x25 MVar	1x25 MVAR Reactor at Akal has been commissioned on dated 25th July' 2022.

xii	RAJASTHAN	Bikaner	1x25 MVar	Main bus shutdown is required for commissioning of 1x25 MVAR reactor at Bikaner, same is expected upto March' 2023.
xiii	RAJASTHAN	Suratgarh	1x25 MVar	1x25 MVAR Reactor at Suratgarh has been commissioned on dated 25th November' 2022.
xiv	RAJASTHAN	Barmer & others	13x25 MVar	Agreement signed on dt. 22.06.2020. Grant of Ist Instalment received on dt.19.02.21 &work order placed on dt. 7.04.2022 to M/s Kanohar Electricals Ltd. Schedule time is 18 months.
xv	RAJASTHAN	Jodhpur	1x125 MVar	Agreement signed on dt. 22.06.2020. Grant of Ist Instalment received on dt.19.02.21 &work order placed on dt. 7.04.2022 to M/s Kanohar Electricals Ltd. Schedule time is 18 months.

1. Down Stream network by State utilities from ISTS Station:

Sl. No.	Substation	Downstream network bays	Status of bays	Planned 220 kV system and Implementation status	Revised Target	Remarks
1	400/220kV, 3x315 MVA Samba	Commissioned: 8 Total: 8	Utilized: 6 Unutilized: 2	• Network to be planned for 2 bays.	Mar'23	02 No. of bays shall be utilized for LILO-II of 220kV Hiranagar Bishnah Transmission Line, the work of which is under progress and shall be completed by March'2023. Updated in 204th OCC by JKPTCL.
2	400/220kV, 2x315 MVA New Wanpoh	Commissioned: 6 Total: 6	Utilized: 2 Unutilized: 4	• 220 kV New Wanpoh - Alusteng D/c Line	End of 2023	02 No. of bays are to be utilized for connecting 220kV New Wanpoh-Alusteng D/c Line. The work is in progress and expected to be commission by the end of 2023. Updated in 204th OCC by JKPTCL.
				• 220 kV New Wanpoh - Mattan D/c Line	End of 2024	02 No. of bays are to be utilized for connecting 220kV New Wanpoh-Mattan D/c Line. The funding source for the project is being identified and the project is expected to be completed by ending 2024. Updated in 204th OCC by JKPTCL.
3	400/220kV, 2x315 MVA Amargarh	Commissioned: 6 Total: 6	Utilized: 4 Unutilized: 2	• 220kV D/C line from 400/220kV Kunzar - 220/33kV Sheeri	End of 2024	02 No. of bays are proposed to be utilized for connecting 220/132 kV GSS Loolipora. The funding source for the project is being identified and the project is expected to be completed by ending 2024. Updated in 204th OCC by JKPTCL.
4	400/220kV, 2x500 MVA Kurukshetra (GIS)	Commissioned: 8 Total: 8	Utilized: 6 Unutilized: 2	• 220kV Bhadson (Kurukshetra) – Ramana Ramani D/c line	-	HVPNL to update the status.
5	400/220 kV, 2x315 MVA Dehradun	Commissioned: 6 Total: 6	Utilized: 2 Unutilized: 4	• Network to be planned for 4 bays	-	PTCUL to update the status.
6	Shahjahanpur, 2x315 MVA 400/220 kV	Commissioned: 6 Approved/Under Implementation:1 Total: 7	Utilized: 5 Unutilized: 1 (1 bays to be utilized shortly) Approved/Under Implementation:1	• 220 kV D/C Shahajahanpur (PG) - Gola line	Feb'23	Updated in 201st OCC by UPPTCL
				• LILO of Sitapur – Shahjahanpur 220 kV SC line at Shahjahanpur (PG)	Commissioned	Energization date: 25.02.2022 updated by UPPTCL in 196th OCC
7	Hamirpur 400/220 kV Sub-station	Commissioned: 8 Total: 8	Utilized: 4 Unutilized: 4 (2 bays to be utilized shortly)	• 220 kV Hamirpur-Dehan D/c line	Commissioned	Commisioned date: 09.06.2022. Updated in 198th OCC by HPPTCL
				• Network to be planned for 4 bays	-	HPPTCL to update the status.
8	Sikar 400/220kV, 1x 315 MVA S/s	Commissioned: 8 Total: 8	Utilized: 6 Unutilized: 2	• LILO of 220 kV Sikar (220 kV GSS)-Dhod S/c line at Sikar (PG)	Commissioned	LILO of 220 kV S/C Sikar-Dhod line at 400 kV GSS PGCIL, Sikar has been charged on dt. 31.03.2022
				• Network to be planned for 2 bays.	-	Against the 3rd ICT at 400 kV GSS Sikar, only 2 bays were constructed and same has been utilized by RVPN by constructing LILO of 220 kV S/C Sikar – Dhod line as updated by RVPNL in 195th OCC
9	Bhiwani 400/220kV S/s	Commissioned: 6 Total: 6	Utilized: 0 Unutilized: 6	• 220 kV D/C line Bhiwani (PG) – Bhiwani (HVPNL) line	Commissioned	Updated in 202nd OCC by HVPNL
				• 220 kV Bhiwani (PG) - Isherwal (HVPNL) D/c line.	Jun'23	Issue related to ROW as intimated in 202nd OCC by HVPNL.
				• 220 kV Bhiwani (PG) - Dadhibana (HVPNL) D/c line.	Apr'24	Issue related to ROW as intimated in 192nd OCC.HVPNL to update the status.
10	Jind 400/220kV S/s	Commissioned: 4 Approved:4 Total: 8	Utilized: 4 Unutilized: 0 Approved:4	• LILO of both circuits of 220 kV Jind HVPNL to PTPS D/C line at 400 kV substation PGCIL Khatkar (Jind) with 0.5 sq inch ACSR conductor	May'24	Updated in 197th OCC by HVPNL

Sl. No.	Substation	Downstream network bays	Status of bays	Planned 220 kV system and Implementation status	Revised Target	Remarks
11	400/220kV Tughlakabad GIS	Commissioned: 6	Utilized: 6	• RK Puram – Tughlakabad (UG Cable) 220kV D/c line – March 2023.	-	DTL to update the status.
		Under Implementation: 4 Total: 10	Unutilized: 0 Under Implementation:4	• Masjid Mor – Tughlakabad 220kV D/c line.	-	DTL to update the status.
12	400/220kV Kala Amb GIS (TBCB)	Commissioned: 6	Utilized: 0	• HPPTCL has planned one no. of 220kV D/c line from Kala Amb 400/220kV S/s to 220/132kV Kala Amb S/s	Mar'23	Updated in 198th OCC by HPPTCL
		Total: 6	Unutilized: 6	• Network to be planned for 4 bays	-	HPPTCL to update the status.
13	400/220kV Kadarpur Sub-station	Commissioned: 8	Utilized: 0	• LILO of both circuits of 220 KV Pali - Sector 56 D/C line at Kadarpur along with augmentation of existing conductor from 220 KV Sector-56 to LILO point with 0.4 sq inch AL-59 conductor.	Mar'23	Updated in 197th OCC by HVPNL
		Total: 8	Unutilized: 8	• LILO of both circuits of 220KV Sector 65 - Pali D/C line at Kadarpur along with augmentation of balance 0.4 sq. inch ACSR conductor of 220 kV Kadarpur - Sector 65 D/C line with 0.4sq inch AL-59 conductor	May'23	Updated in 197th OCC by HVPNL
14	400/220kV Sohna Road Sub-station	Commissioned: 8	Utilized: 2	• LILO of both circuits of 220kV D/c Sector-69 - Roj Ka Meo line at 400kV Sohna Road	Jun'23	Updated in 197th OCC by HVPNL
		Total: 8	Unutilized: 4	• LILO of both circuits of 220kV D/c Badshahpur-Sec77 line at 400kV Sohna Road	Jun'23	Updated in 197th OCC by HVPNL
15	400/220kV Prithla Sub-station	Commissioned: 8	Utilized: 2	• Prithla - Harfali 220kV D/c line with LILO of one ckt at Meerpur Kurali	Commissioned	Commisioned date: 31.12.2021. Updated in 198th OCC by HVPNL
		Total: 8	Unutilized: 4	• LILO of both ckt of 220kV D/c Ranga Rajpur – Palwal line	-	HVPNL to update the status
			Under Implementation:2	• 220kV D/C for Sector78, Faridabad	02.03.2023	Updated in 198th OCC by HVPNL
				• Prithla - Sector 89 Faridabad 220kV D/c line	31.03.2024	Under Implementation (Mar'24). Updated in 198th OCC by HVPNL
16	400/220kV Sonapat Sub-station	Commissioned: 6	Utilized: 2	• LILO of both circuits of 220kV Samalkha - Mohana line at Sonapat	-	HVPNL to update the status.
		Under Implementation:2 Total: 8	Unutilized: 2 Under Implementation:2	• Sonapat - HSIISC Rai 220kV D/c line	Mar'23	Line work is complete howere substation work is under progress. Updated in 201st OCC by HVPNL
17	400/220kV Neemrana Sub-station	Commissioned: 6 Total: 6	Utilized: 4 Unutilized: 2	• LILO of Bhiwadi - Neemrana 220kV S/c line at Neemrana (PG)	-	Work order is finalized as updated in 201st OCC by RVPNL. 5 months from layout finalization.
18	400/220kV Kotputli Sub-station	Commissioned: 6 Total: 6	Utilized: 4 Unutilized: 2	• Kotputli - Pathreda 220kV D/c line	-	Bid documents under approval as updated in 195th OCC by RVPNL.
19	400/220kV Jalandhar Sub-station	Commissioned: 10 Total: 10	Utilized: 8 Unutilized: 2	• Network to be planned for 2 bays	May'24	LILO of 220 kV BBMB Jalandhar - Butari line at 400 kV PGCIL Jalandhar being planned. Work expected to be completed by May 2024. Updated in 198th OCC by PSTCL.
20	400/220kV Roorkee Sub-station	Commissioned: 6 Total: 6	Utilized: 4 Unutilized: 2	• Roorkee (PG)-Pirankaliyar 220kV D/c line	Commissioned	Roorkee (PG)-Pirankaliyar 220kV D/c line comiioned in 2020 as intimated by PTCUL in 197th OCC
21	400/220kV Lucknow Sub-station	Commissioned: 8 Total: 8	Utilized: 4 Unutilized: 4	• Network to be planned for 2 bays	Mar'23	• Lucknow -Kanduni, 220 kV D/C line expected energization date Mar'23 updated by UPPTCL in 203rd OCC • No planning for 2 no. of bays upated by UPPTCL in 196th OCC. The same has been communicated to Powergrid.

Sl. No.	Substation	Downstream network bays	Status of bays	Planned 220 kV system and Implementation status	Revised Target	Remarks
22	400/220kV Gorakhpur Sub-station	Commissioned: 6 Total: 6	Utilized: 4 Unutilized: 2	• Network to be planned for 2 bays	Mar'23	• Gorakhpur(PG)- Maharajganj, 220 kV D/C line expected energization date Mar'23 updated by UPPCL in 204th OCC
23	400/220kV Fatehpur Sub-station	Commissioned: 8 Under Implementation:2 Total: 10	Utilized: 6 Unutilized: 2 Under Implementation:2	• Network to be planned for 2 bays	-	• UPPTCL intimated that 02 no. of bays under finalization stage. In 201st OCC, UPPTCL intimated that it is finalized that Khaga s/s will be connected (tentative time 1.5 years). • No planning for 2 no. of bays updated by UPPTCL in 196th OCC. The same has been communicated to Powergrid.
24	400/220kV Abdullapur Sub-station	Commissioned: 10 Under Implementation:2 Total: 12	Utilized: 10 Unutilized: 0 Under Implementation:2	• Abdullapur – Rajokheri 220kV D/c line	Oct'22	Updated in 198th OCC by HVPNL
25	400/220kV Pachkula Sub-station	Commissioned: 8 Under tender:2 Total: 10 Out of these 10 nos. 220kV Line Bays, 2 bays would be used by the lines being constructed by POWERGRID (Chandigarh-2) and balance 8 nos. bays would be used by HVPNL	Utilized: 2 Unutilized: 4 Under Implementation:2	• Panchkula – Pinjore 220kV D/c line	Jun'23	Updated in 203rd OCC by HVPNL
				• Panchkula – Sector-32 220kV D/c line	Jun'23	Updated in 203rd OCC by HVPNL
				• Panchkula – Raiwali 220kV D/c line	Commissioned	Updated in 194th OCC by HVPNL
				• Panchkula – Sadhaura 220kV D/c line: Sep'23	Sept'23	Updated in 194th OCC by HVPNL
26	400/220kV Amritsar S/s	Commissioned:7 Approved in 50th NRPC- 1 no. Total: 8	Utilized: 6 Unutilized: 1 Approved in 50th NRPC- 1 no.	• Amritsar – Patti 220kV S/c line	May'23	Route survey/tender under process. Work expected to be completed by May 2023. Updated in 198th OCC by PSTCL.
				• Amritsar – Rashiana 220kV S/c line (2 bays shall be required for above lines. However, 1 unutilized bay shall be used for Patti and requirement of one additional bay approved for Rashiana by NRPC)	May'23	Route survey/tender under process. Work expected to be completed by May 2023. Updated in 198th OCC by PSTCL.
27	400/220kV Bagpat S/s	Commissioned: 8 Total: 8	Utilized:6 Unutilized: 2	• Bagpat - Modipuram 220kV D/c line	Commissioned	Updated in 201st OCC by UPPTCL
28	400/220kV Bahardurgarh S/s	Commissioned: 4 Total: 4	Utilized:2 Unutilized: 2	• Network to be planned for 2 bays.	Mar'24 and July'24	Updated in 198th OCC by HVPNL
29	400/220kV Jaipur (South) S/s	Commissioned: 4 Total: 4	Utilized:2 Unutilized: 2	• Network to be planned for 2 bays.	-	LILO case of 220 kV Dausa – Sawai Madhopur line at 400 kV GSS Jaipur South (PG) is under WTD approval as updated by RVPNL in 195th OCC
30	400/220kV Sohawal S/s	Commissioned: 8 Total: 8	Utilized: 8	• Sohawal - Barabanki 220kV D/c line	Commissioned	Energization date: 14.04.2018 updated by UPPTCL in 196th OCC
				• Sohawal - New Tanda 220kV D/c line	Commissioned	Energization date: 28.05.2019 updated by UPPTCL in 196th OCC
				• Network to be planned for 2 bays	Commissioned	• Sohawal - Gonda 220kV S/c line (Energization date: 27.04.2020) updated by UPPTCL in 196th OCC • Sohawal - Bahraich 220kV S/c line (Energization date: 15.02.2021) updated by UPPTCL in 196th OCC
31	400/220kV, Kankroli	Commissioned: 6 Total: 6	Utilized: 4 Unutilized: 2	• Network to be planned for 2 bays	-	RVPNL to update the status

Sl. No.	Substation	Downstream network bays	Status of bays	Planned 220 kV system and Implementation status	Revised Target	Remarks
32	400/220kV, Manesar	Commissioned: 8 Total: 8	Utilized: 4 Unutilized: 4	• Network to be planned for 4 bays	-	One bay 220 kV Manesar (PG)-Panchgaon ckt commissioned on 05.09.2022
33	400/220kV, Saharanpur	Commissioned: 6 Under Implementation:2 Total: 8	Utilized: 6 Unutilized: 0 Under Implementation:2	• Network to be planned for 2 bays	Mar'23	Saharanpur(PG)-Devband D/c line expected energization date first week of March'23 updated by UPPTCL in 204th OCC
34	400/220kV, Wagoora	Commissioned: 10 Total: 10	Utilized: 6 Unutilized: 4	• Network to be planned for 4 bays	-	PDD, J&K to update the status.
35	400/220kV, Ludhiana	Commissioned: 9 Total: 9	Utilized: 8 Unutilized: 1	• Network to be planned for 1 bay	Mar'23	Direct circuit from 220 kV Lalton Kalan to Dhandari Kalan to be diverted to 400 kV PGCIL Ludhiana. Work expected to be completed by March 2023.Updated in 198th OCC by PSTCL.
36	400/220kV, Chamba (Chamera Pool)	Commissioned: 3 Under tender:1 Total: 4	Utilized:3 Unutilized: 0 Under tender:1	• Stringing of 2nd ckt of Chamera Pool – Karian 220kV D/c line	-	Stringing of 2nd Circuit of Chamera Pool-Karian Transmission line has been completed & terminal bay at 400/220 kV chamera pooling substation (PGCIL) is not ready.Updated in 198th OCC by HPPTCL
37	400/220kV, Mainpuri	Commissioned: 6 Under Implementation:2 Total: 8	Utilized: 6 Unutilized: 0 Under Implementation:2	• Network to be planned for 2 bays	-	• 02 no. of bays under finalization stage updated by UPPTCL in 196th OCC. Mainpuri S/s planned. Land is not finalized, therefore timeline not available as intimated by UPPTCL in 201st OCC.
38	400/220kV, Patiala	Commissioned: 8 Total: 8	Utilized: 6 Unutilized: 2	• Network to be planned for 2 bays	May'24	2 Nos. bays for 400 kV PGCIL Patiala - 220 kV Bhadson (D/C) line being planned. Work expected to be completed by May 2024. Updated in 198th OCC by PSTCL.

2. Establishment of new 400/220kV substations in Northern Region:

Sl. No.	Name of Substation	MVA Capacity	Expected Schedule	Downstream connectivity by States
1	400/220kV Dwarka-I GIS (8 nos. of 220kV bays)	4x 500	Mar'22	DTL to update the status
2	220/66kV Chandigarh GIS (8 nos. of 66kV bays)	2x 160	Apr'22	Chandigarh to update the status.
3	400/220kV Jauljivi GIS Out of these 8 nos. 220kV Line Bays, 4 nos. (Pithoragath-2, & Dhauliganga-2) would be used by the lines being constructed by POWERGRID and balance 4 nos. bays would be used by the lines being constructed by PTCUL.	2x315	Feb'22	<ul style="list-style-type: none"> • 220kV Almora-Jauljibi line • 220kV Brammah-Jauljibi line PTCUL to update the status of lines.

FGD Status

Updated status of FGD related data submission

NTPC (25.02.2022)

MEJA Stage-I (Updated by UP on 18.06.2022)

RIHAND STPS

SINGRAULI STPS

TANDA Stage-I

TANDA Stage-II

UNCHA HAR TPS

UPRVUNL (14.11.2022)

ANPARA TPS

HARDUAGANJ TPS

OBRA TPS

PARICHHA TPS

PSPCL (14.11.2022)

GGSSSTP, Ropar

GH TPS (LEH.MOH.)

RRVUNL (10.02.2023)

CHHABRA SCPP

CHHABRA TPP

KALISINDH TPS

KOTA TPS

SURATGARH SCTPS

SURATGARH TPS

Updated status of FGD related data submission

**Lalitpur Power Gen. Co. Ltd.
(17.10.2022)**

Lalitpur TPS

**Lanco Anpara Power Ltd.
(18.06.2022)**

ANPARA-C TPS

HGPCL (14.09.2022)

PANIPAT TPS

RAJIV GANDHI TPS

YAMUNA NAGAR TPS

Adani Power Ltd. (18.02.2022)

KAWAI TPS

**Rosa Power Supply Company
(18.06.2022)**

Rosa TPP Phase-I

**Prayagraj Power Generation
Company Ltd. (17.10.2022)**

Prayagraj TPP

APCPL (25.02.2022)

INDIRA GANDHI STPP

Pending submissions

GVK Power Ltd.

GOINDWAL SAHIB

NTPC

DADRI (NCTPP)

Talwandi Sabo Power Ltd.

TALWANDI SABO TPP

L&T Power Development Ltd.

Nabha TPP (Rajpura TPP)

Target Dates for FGD Commissioning (Utility-wise)

Adani Power Ltd.	KAWAI TPS U#1 (Target: 31-12-2024), KAWAI TPS U#2 (Target: 31-12-2024)
APCPL	INDIRA GANDHI STPP U#1 (Target: 30-09-2022), INDIRA GANDHI STPP U#2 (Target: 30-09-2022), INDIRA GANDHI STPP U#3 (Target: 30-09-2022)
GVK Power Ltd.	GOINDWAL SAHIB U#1 (Target: 30-04-2020), GOINDWAL SAHIB U#2 (Target: 29-02-2020)
HGPCL	PANIPAT TPS U#6 (Target: 30-04-2021), PANIPAT TPS U#7 (Target: 28-02-2021), PANIPAT TPS U#8 (Target: 31-12-2020), RAJIV GANDHI TPS U#1 (Target: 30-04-2022), RAJIV GANDHI TPS U#2 (Target: 28-02-2022), YAMUNA NAGAR TPS U#1 (Target: 31-12-2021), YAMUNA NAGAR TPS U#2 (Target: 31-10-2021)

NTPC

DADRI (NCTPP) U#1 (Target: 31-12-2020), DADRI (NCTPP) U#2 (Target: 31-10-2020), DADRI (NCTPP) U#3 (Target: 31-08-2020), DADRI (NCTPP) U#4 (Target: 30-06-2020), DADRI (NCTPP) U#5 (Target: 30-06-2022), DADRI (NCTPP) U#6 (Target: 30-06-2022), RIHAND STPS U#1 (Target: 30-06-2024), RIHAND STPS U#2 (Target: 30-06-2024), RIHAND STPS U#3 (Target: 31-12-2023), RIHAND STPS U#4 (Target: 31-12-2023), RIHAND STPS U#5 (Target: 30-06-2023), RIHAND STPS U#6 (Target: 30-06-2023), SINGRAULI STPS U#1 (Target: 30-06-2024), SINGRAULI STPS U#2 (Target: 30-06-2024), SINGRAULI STPS U#3 (Target: 30-06-2024), SINGRAULI STPS U#4 (Target: 30-06-2024), SINGRAULI STPS U#5 (Target: 30-06-2024), SINGRAULI STPS U#6 (Target: 31-03-2023), SINGRAULI STPS U#7 (Target: 31-03-2023), UNCHAHAR TPS U#1 (Target: 31-12-2023), UNCHAHAR TPS U#2 (Target: 31-12-2023), UNCHAHAR TPS U#3 (Target: 30-06-2024), UNCHAHAR TPS U#4 (Target: 30-06-2024), UNCHAHAR TPS U#5 (Target: 30-06-2024), UNCHAHAR TPS U#6 (Target: 30-06-2022), MEJA Stage-I U#1 (Target: 31-12-2022), MEJA Stage-I U#2 (Target: 31-03-2023), TANDA Stage-I U#3 (Target:), TANDA Stage-I U#4 (Target:), TANDA Stage-II U#3 (Target: 31-12-2022), TANDA Stage-II U#4 (Target: 31-12-2022)

L&T Power Development Ltd (Nabha)	Nabha TPP (Rajpura TPP) U#1 (Target: 30-04-2021), Nabha TPP (Rajpura TPP) U#2 (Target: 28-02-2021)
Lalitpur Power Gen. Company Ltd.	LALITPUR TPS U#1 (Target: 31-12-2026), LALITPUR TPS U#2 (Target: 30-09-2026), LALITPUR TPS U#3 (Target: 30-06-2026)
Lanco Anpara Power Ltd.	ANPARA C TPS U#1 (Target: 31-12-2023), ANPARA C TPS U#2 (Target: 31-12-2023)
Prayagraj Power Generation Company Ltd.	PRAYAGRAJ TPP U#1 (Target: 31-12-2024), PRAYAGRAJ TPP U#2 (Target: 31-12-2024), PRAYAGRAJ TPP U#3 (Target: 31-12-2024)
PSPCL	GH TPS (LEH.MOH.) U#1 (Target: 31-12-2024), GH TPS (LEH.MOH.) U#2 (Target: 31-12-2024), GH TPS (LEH.MOH.) U#3 (Target: 31-12-2024), GH TPS (LEH.MOH.) U#4 (Target: 31-12-2024), GGSSTP, Ropar U#3 (Target: 31-03-2022), GGSSTP, Ropar U#4 (Target: 31-05-2022), GGSSTP, Ropar U#5 (Target: 31-07-2022), GGSSTP, Ropar U#6 (Target: 30-09-2022)

Rosa Power Supply Company	ROSA TPP Ph-I U#1 (Target: 31-12-2026), ROSA TPP Ph-I U#2 (Target: 31-12-2026), ROSA TPP Ph-I U#3 (Target: 31-12-2026), ROSA TPP Ph-I U#4 (Target: 31-12-2026)
RRVUNL	KOTA TPS U#5 (Target: 31-08-2022), KOTA TPS U#6 (Target: 31-08-2022), KOTA TPS U#7 (Target: 31-08-2022), SURATGARH TPS U#1 (Target: 31-12-2026), SURATGARH TPS U#2 (Target: 31-12-2026), SURATGARH TPS U#3 (Target: 31-12-2026), SURATGARH TPS U#4 (Target: 31-12-2026), SURATGARH TPS U#5 (Target: 31-12-2026), SURATGARH TPS U#6 (Target: 31-12-2026), SURATGARH SCTPS U#7 (Target: 28-02-2025), SURATGARH SCTPS U#8 (Target: 28-02-2025), CHHABRA TPP U#1 (Target: 31-12-2026), CHHABRA TPP U#2 (Target: 31-12-2026), CHHABRA TPP U#3 (Target: 31-12-2026), CHHABRA TPP U#4 (Target: 31-12-2026), CHHABRA SCPP U#5 (Target: 28-02-2025), CHHABRA SCPP U#6 (Target: 28-02-2025), KALISINDH TPS U#1 (Target: 28-02-2025), KALISINDH TPS U#2 (Target: 28-02-2025)
Talwandi Sabo Power Ltd.	TALWANDI SABO TPP U#1 (Target: 28-02-2021), TALWANDI SABO TPP U#2 (Target: 31-12-2020), TALWANDI SABO TPP U#3 (Target: 31-10-2020)
UPRVUNL	ANPARA TPS U#1 (Target: 31-12-2023), ANPARA TPS U#2 (Target: 31-12-2023), ANPARA TPS U#3 (Target: 31-12-2023), ANPARA TPS U#4 (Target: 31-12-2023), ANPARA TPS U#5 (Target: 31-12-2023), ANPARA TPS U#6 (Target: 31-12-2023), ANPARA TPS U#7 (Target: 31-12-2023), HARDUAGANJ TPS U#8 (Target: 31-12-2024), HARDUAGANJ TPS U#9 (Target: 31-12-2024), OBRA TPS U#9 (Target: 31-12-2024), OBRA TPS U#10 (Target: 31-12-2024), OBRA TPS U#11 (Target: 31-12-2024), OBRA TPS U#12 (Target: 31-12-2024), OBRA TPS U#13 (Target: 31-12-2024), PARICHHA TPS U#3 (Target: 30-04-2022), PARICHHA TPS U#4 (Target: 31-12-2024), PARICHHA TPS U#5 (Target: 31-12-2024), PARICHHA TPS U#6 (Target: 31-12-2024)



ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)

75
आजादी का
अमृत महोत्सव



[formerly Power System Operation Corporation Limited (POSOCO)]

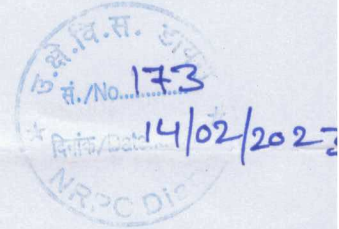
राष्ट्रीय भार प्रेषण केन्द्र / **National Load Despatch Centre**

कार्यालय : बी-9, प्रथम एवं द्वितीय तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
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CIN : U40105DL2009GOI188682, Website : www.grid-india.in, E-mail : gridindiacc@grid-india.in, Tel.: 011- 40234672

Ref: NLDC/SO/2023-24/ 220

Date: 10/02/2023

To,
Member secretary,
NRPC/WRPC/SRPC/ERPC/NERPC



Subject: Expeditious revival of thermal (coal) units by Mar-23 and ensure maximum capacity on bar during anticipated crunch period (from 01st April to 15th May-23)

Sir,

You may kindly be aware that the all India peak demand forecasted is 229GW with energy requirement to the tune of 144BU in April, 2023.

In view of high forecasted demand and likely resource adequacy issues in the upcoming summer months (especially from 01st April-23 to 15th May-23), various steps are being taken at the highest level for meeting all India demand without compromising security and reliability of the electricity grid at all time. Some of the important actions are as follows:

- To run gas-based plants and arrangement of necessary fuels during the crunch period in coordination with MoPNG.
- Revival of stressed plants out on account of various disputes such as NCLT, PPA disputes etc.
- Running of untied capacity of Imported Coal Based (ICB) plants as firm generations during the crunch period.

In addition to above, MoP has also directed to defer all planned outages from 1st April-23 to 15th May-23 to ensure maximum thermal units remain on bar during the above-mentioned high demand period.

Presently, around 9.35GW thermal capacity is under planned outage (list enclosed as Annex-I). It is seen from the cumulative planned outage capacity that the revival of some of the units are spilling over beyond 31.03.23 (as attached Annex-I) as per revival dates furnished by plants as on date.

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Pls take up in next OCC.
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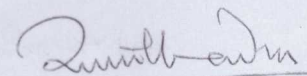
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Accordingly, it is requested to kindly advise all the utilities of your region to make all efforts in regard to the following.

- Expeditious revival of all thermal (coal) based units which are under planned outage so as to be available by March 2023 end.
- Ensure adequate fuel stocks at all plants so as to maintain required generation levels during the high demand period.
- All the states to maintain the appropriate reserves on bar at all times to accommodate any unforeseen demand variation and/or variability in RE generation/contingency.
- Review of the shutdown of other elements (bus/ICT/transmission line/HVDC etc.) to avoid any transmission bottleneck.
- All defense mechanisms viz; UFR, df/dt, ADMS etc. should be ensured to be in service and healthy.

Matter being important and critical, the above may be taken up with the respective stakeholders.

Yours sincerely,



(S. C. Saxena)

Executive Director (NLDC)

Copy for kind information:

- 1) Chief Engineer (OM), MOP
- 2) Chief Engineer (GM), CEA
- 3) ED, ERLDC/NERLDC/NRLDC/SRLDC/WRLDC

Daily unit outage report (As on 00:00hrs of 08 February 2023)							
Units under Planned Outage as on 00:00hrs of 08 February 2023)							
A. Units under outage for more than 30 days:							
S.No	Plant Name	Unit No	Capacity (MW)	State/ Utility	Reason for availing planned outage	Outage date	Likely revival date
1	FSTPP	2	200	NTPC	Annual Overhauling	08-01-2023	08-02-2023
2	RAMAGUNDAM	2	200	NTPC	RENOVATION & MODERNISATION	26-10-2022	10-02-2023
3	SINGRAULI STPS	4	200	NTPC	Over hauling	05-01-2023	20-02-2023
Sub Total			600				
1	NEYVELI TS II	6	210	NLC	Annual Overhauling	19-12-2022	12-02-2023
Sub Total			210				
1	IL&FS	1	600	IL&FS	Integrity check of sea water make-up system and off shore piping including desilting work	01-01-2023	20-02-2023
Sub Total			600				
1	WANAKBORI	4	210	Gujarat	Annual Overhauling	14-08-2022	15-04-2023
Sub Total			210				
1	ANPARA TPS	4	500	UP	Over hauling	01-11-2022	07-03-2023
2	ANPARA TPS	3	210	UP	Over hauling	05-01-2023	05-03-2023
3	PARICHA TPS	4	210	UP	Over hauling	07-01-2023	15-02-2023
Sub Total			920				
1	GURU HARGOBIND SINGH TPS (LEHRA MOHABBAT)	2	210	Punjab	ESP breakdown	13-05-2022	01-01-2024
Sub Total			210				
Grand Total			2750				
B. Units under outage for less than 30 days:							
S.No	Plant Name	Unit No	Capacity (MW)	State/ Utility	Reason for availing planned outage	Outage date	Likely revival date
1	KHSTPP	3	210	NTPC	Annual Overhauling	01-02-2023	20-03-2023
2	NABINAGAR(BRBCL)	2	250	NTPC	Annual Overhauling	04-02-2023	15-03-2023
3	SIPAT II	4	500	NTPC	Annual Over Hauling	01-02-2023	17-03-2023
4	VSTPS I	3	210	NTPC	Annual Over Hauling	11-01-2023	16-02-2023
Sub Total			1170				
1	MPL	1	525	MPL	Annual Overhauling	15-01-2023	28-02-2023
2	STERLITE	4	600	STERLITE	Annual Overhauling	20-01-2023	06-03-2023
3	JP NIGRIE	2	660	JP NIGRIE	Annual Overhauling	26-01-2023	22-02-2023
4	ISTPP (JHAJJAR)	2	500	APCPL	Annual Overhauling	27-01-2023	03-03-2023
Sub Total			2285				
1	TROMBAY	5	500	Maharashtra	Annual Overhauling	18-01-2023	18-02-2023
Sub Total			500				
1	WANAKBORI	2	210	Gujarat	Annual Overhauling	16-01-2023	16-02-2023
Sub Total			210				
1	HARDUAGANJ_EXT	1	660	UP	Overhauling	19-01-2023	05-03-2023
2	LALITPUR TPS	2	660	UP	Over hauling	03-02-2023	24-02-2023
Sub Total			1320				
1	RAJPURA(NPL) TPS	2	700	Punjab	Over hauling	03-02-2023	28-02-2023
2	GURU GOBIND SINGH TPS (ROPAR)	6	210	Punjab	Over hauling	07-02-2023	15-02-2023
Sub Total			910				
1	KOLAGHAT	5	210	West Bengal	Overhauling for Boiler License renewal	30-01-2023	19-02-2023
Sub Total			210				
Grand Total			6605				
All India Planned Outage (Total)			9355				

Capacity of thermal units under planned shutdown

