



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/106/01/2023/3285-3326

दिनांक: 28.03.2023

विषय: उत्तर क्षेत्रीय विद्युत समिति की प्रचालन समन्वय उप-समिति की 205^{वीं} बैठक के खण्ड-अ में लिए गए निर्णयों का सार।

Subject: Gist of decisions taken in the Part-A of 205th OCC meeting of NRPC.

उत्तर क्षेत्रीय विद्युत समिति की प्रचालन समन्वय उप-समिति की 205^{वीं} बैठक दिनांक 21.03.2023 को आयोजित की गयी। उक्त बैठक की खण्ड-अ में लिए गए निर्णयों का सार **अनुलग्नक - अ** के रूप में संलग्न है।

205th meeting of the Operation Co-ordination Sub-Committee of NRPC was held on 21.03.2023. The Gist of the decisions taken in Part-A of this meeting is enclosed as **Annexure-A**.

Santosh
28/03/23

(संतोष कुमार)

अधीक्षण अभियंता (प्रचालन)

सेवा में,

प्रचालन समन्वय उप-समिति के सभी सदस्य।

Gist of decisions taken in the Part-A of 205th OCC Meeting

Agenda No. 1: Confirmation of Minutes

Minutes of 204th OCC meeting was issued on 14.03.2023.OCC confirmed the minutes.

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

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

- **Delhi**

Average maximum temperature in Delhi for February in 2023 was higher as compared to previous months. So demand was at lower side due to reduction in heating loads.

- **Himachal Pradesh**

The Anticipation in Energy Requirement and Peak Demand in respect of Himachal Pradesh for the month of February 2023 came on the lower side due to the reason that HPSEBL has anticipated the energy requirement of the State including the Cement Plants (ACC, AmbujaRauri, & AmbujaSuli). However, these cement plants remained non-functional and resumed their operation on 24.02.2023 with partial load.

- **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 February 2023.

- **Uttar Pradesh**

Due to pleasant weather in the month of February 2023, peak demand requirement (in MW) was less than anticipated peak demand.

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 April 2023 was deliberated in the meeting on 20.03.2023.

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

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

State / UT	Availability / Requirement	Revised Energy (MU)	Revised Peak (MW)	Date of revision
CHANDIGARH	Availability	160.0	340	No Revision

State / UT	Availability / Requirement	Revised Energy (MU)	Revised Peak (MW)	Date of revision
	Requirement	154.0	330	submitted
	Surplus / Shortfall	6.0	10	
	% Surplus / Shortfall	3.9%	3.0%	
DELHI	Availability	3380.0	6500	20-Mar-23
	Requirement	3440.0	6500	
	Surplus / Shortfall	-60.0	0	
	% Surplus / Shortfall	-1.7%	0.0%	
HARYANA	Availability	5113.0	9891	20-Mar-23
	Requirement	5210.0	9790	
	Surplus / Shortfall	-97.0	101	
	% Surplus / Shortfall	-1.9%	1.0%	
HIMACHAL PRADESH	Availability	973.5	1740	18-Mar-23
	Requirement	981.0	1769	
	Surplus / Shortfall	-7.5	-29	
	% Surplus / Shortfall	-0.8%	-1.6%	
J&K and LADAKH	Availability	1430.0	3530.0	No Revision submitted
	Requirement	1580.0	2710.0	
	Surplus / Shortfall	-150.0	820	
	% Surplus / Shortfall	-9.5%	30.3%	
PUNJAB	Availability	6130.0	12320	20-Mar-23
	Requirement	5310.0	10456	
	Surplus / Shortfall	820.0	1864	
	% Surplus / Shortfall	15.4%	17.8%	
RAJASTHAN	Availability	9810.0	19140	No Revision submitted
	Requirement	8980.0	14710	
	Surplus / Shortfall	830.0	4430	
	% Surplus / Shortfall	9.2%	30.1%	
UTTAR PRADESH	Availability	13950.0	23000	16-Mar-23
	Requirement	13800.0	25000	
	Surplus / Shortfall	150.0	-2000	
	% Surplus / Shortfall	1.1%	-8.0%	
UTTARAKHAND	Availability	1302.0	2270	10-Mar-23
	Requirement	1320.0	2330	
	Surplus / Shortfall	-18.0	-60	
	% Surplus / Shortfall	-1.4%	-2.6%	
NORTHERN REGION	Availability	42700.0	77300	
	Requirement	41160.0	65000	
	Surplus / Shortfall	1540.0	12300	
	% Surplus / Shortfall	3.7%	18.9%	

- MS, NRPC has advised SLDCs to share the figures with reason if deviation from CEA approved anticipated power supply position is there.

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
Himachal Pradesh	Apr-2018	Dec-2022
Punjab	Apr-2018	Jan-2023
Rajasthan	Apr-2018	Jan-2023
Uttar Pradesh	Apr-2018	Jan-2023
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 205th OCC, SLDCs were requested 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 (205th OCC), EE(SS) apprised forum that Delhi has revised the island load to 267.7 MW and has submitted a new list of designated feeders and df/dt settings for post islanding load-generation balancing.
- In the meeting, DTL and Delhi SLDC representative were asked to do the modelling of the revised Delhi islanding scheme and thereafter present its result in the meeting scheduled next week with the officials of NRPC, NRLDC and DTL.
- Representative from UP apprised forum that with regard to Lucknow-Unchahar islanding scheme, UFR already available with them have been installed and for some of the UFR's and panel that have been procured their delivery is due in April and those would be installed by May. Further, he stated that integration work will be completed by May end.
- Further, UP was also enquired about status of study by CPRI in Agra islanding scheme. UPSLDC informed that draft report has been submitted by CPRI. In the draft report, CPRI has submitted 18 different cases of load-generation scenario and same is under examination. Since Jawaharpur TPP is expected to be commissioned shortly, MS, NRPC asked the officials of NRPC, NRLDC and UPSLDC to explore the possibility of considering Jawaharpur generation in place of Lalitpur for this islanding scheme and thereby plan a meeting in the coming month to further deliberate on this issue.
- Representative from Rajasthan apprised forum that with regard to Jodhpur-Barmer-Rajwest and Suratgarh islanding scheme preparation of DPR is under progress by STU.
- EE(SS), NRPC enquired about the status of Pathankot-RSD islanding scheme as implementation date was 31.12.2022. Punjab SLDC informed that UFR's have been installed and testing of relays would be completed by next week.

- Further, with regard to Patiala-Nabha Power Rajpura islanding scheme representative from Punjab informed that tendering in under progress.
- With regard to Kullu-Manali islanding scheme representative from HPSLDC intimated that PFR testing of Malana is awaited and its schedule is expected to be finalized by end of March 2023.
- Further, with regard to Shimla-Solan islanding scheme representative from HP apprised forum that two generators namely Sumez and Suryakanta generators have mentioned that as per OEM recommendation it will be difficult to take frequency setting below the design limits. MS, NRPC desired to have a separate meeting with the officials of NRPC, NRLDC, HPSLDC and OEM's of concerned generators to further deliberate the issue.

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 March 2023).
- Average coal stock position of generating stations in northern region, having critical stock, during first ten days of March 2023 is as follows:

Station	Capacity (MW)	PLF % (prev. months)	Normative Stock Req. (Days)	Actual Stock (Days)
ANPARA C TPS	1200	88.70	17	2.9
KOTA TPS	1240	94.93	26	2.9
SURATGARH TPS	1500	42.46	26	2.6
CHHABRA-I PH-1 TPP	500	76.57	26	2.5

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

Agenda No. 9. Procedure for Shifting of Transmission Lines involving in work by other Infrastructure Developers (Agenda by NRPC Sectt.)

- NRPC representative apprised forum about the Standard Operating Procedure (SoP) issued by CEA regarding the Shifting of Transmission Lines by various infrastructure developers. Further, he mentioned that abovesited SoP is for the Compliance of all the stakeholders in addition to the existing regulatory provisions of CEA and other authorities such as Environment & Forest, Defence, Airport, NHAI, BRO, etc., to ensure smooth coordination between the infrastructure developing agencies and transmission licensees while developing infrastructure projects.
- MS, NRPC asked all the transmission utilities of NR for strict compliance of abovesited SoP issued by CEA.
- Further, MS NRPC stated that in case of any query with regard to abovesited SoP, stakeholders/constituents of northern region may mail their query to NRPC Sectt. at seo-nrpc@nic.in and same would be forwarded to PSE&TD division, CEA for clarification and in turn their response would be shared with all the stakeholders/constituents of northern region.

Agenda No. 10. Expeditious Energization check of +/- 600MVAR STATCOM (Make-SIEMENS) at 765/400/220kV Bhadla_II & Fatehgarh-II S/S) (Agenda by Powergrid/NR-1)

- NRPC representative apprised forum that Powergrid, NR-1 vide its mail dated 14.03.2023 mentioned that commissioning activities of +/- 600MVAR STATCOM (Make-SIEMENS) at 765/400/220kV Bhadla_II & Fatehgarh-II S/S is in full swing and energisation test is expected to commence as per following schedule: -

1. Bhadla-II (+/- 600MVAR STATCOM) – From 26.03.2023 to 16.04.2023
2. Fatehgarh-II (+/- 600MVAR STATCOM) - From 15.04.2023 to 17.05.2023

- NRLDC representative mentioned that approval of energisation test would be given by NRLDC during non-solar hours.
- OCC forum agreed to NRLDC view.

Agenda No.11. Calibration and Testing of Interface Energy Meters installed at Generating Stations (Agenda by NHPC)

- NHPC representative apprised forum that calibration and testing of Interface energy meters installed at their generating station was last carried in 2016 by Powergrid.
- SE(O), NRPC in accordance to the decision taken in 197th OCC asked Powergrid to intimate forum whether the finalization of agency for carrying out the testing of Interface Energy Meters installed at Generating stations in Northern region has been completed and if agency for above cited work is finalized what is the time line to complete the work.
- In this regard, Powergrid representative intimated that they will submit the details after discussing with their management.

Agenda No.12. Flexible/Zero Scheduling of Tehri HPP to facilitates river dredging/cleaning works of Tehri PSP and Planned Outages of Tehri HPP (Agenda byTHDC)

- THDC representative apprised forum that river dredging work of Tehri PSP is being undertaken by THDCIL, the work commenced from 15-Feb -2023 and scheduled to be completed by 15-Jun 2023. As the work is being undertaken in TRC area of Tehri HPP, which is common for both Tehri HPP and PSP and water level is required to be kept below EL 606.00, hence, to provide requisite and safe working condition zero scheduling of Tehri HPP is primary requirement.
- In this context, a brief presentation was given by THDCIL representative during the meeting. Considering the timely commissioning of project and providing safe and desired working conditions to facilitate the river dredging work, zero-scheduling of Tehri HPP was approved during night period (Non-peaking hours) till 31-Mar-2023, and it was agreed that existing methodology shall be reviewed in monthly OCC meeting and based on system conditions flexible/zero scheduling of next month shall be approved in the OCC meeting.
- Further THDC representative mentioned that considering anticipated high demand in the Grid in month of April'23 and May'23, and taking cognizance of timely

commissioning of Tehri PSP project, they have devised an Operating Philosophy which was presented to forum by them (copy of an Operating Philosophy is attached as Annexure-A.VI of agenda)

- With regard to the operating methodology following has agreed by the OCC forum:
 1. **If there is no Grid Contingency:** existing operating philosophy i.e. Zero Scheduling during night hours (non-peaking) shall be extended for month of April, or revised as per peaking hour of April.
 2. **In case of Contingency:**
 - **Scenario-I: Normal River Dredging Work**

if Grid operator requires to schedule the Tehri HPP then instruction shall be communicated 02:00 hrs. prior to scheduling of machine.
 - **Scenario-II: River Dredging Work along with Construction/Concreting of Baffle Wall**

Prior instruction for scheduling of plant may be given atleast 4 days in advance so that construction activities may be align with Grid requirements or vice-versa concreting activities may be reschedule as per Grid Requirements.

Agenda No.13. Replacement/Installation of Interface Energy Meters at PGCIL Sub-Stations (Agenda by PSTCL)

- NRPC representative apprised forum that PSTCL vide its mail dated 16.03.2023 has mentioned that they had installed EDMI(Wallaby) make meters at PGCIL Sub-Stations while executing boundary metering project in 2012-13. Now, PSTCL is replacing all existing boundary meters with latest interface energy meters and is also installing AMR equipment as a part of SAMAST project. List of existing boundary meters to be replaced/New meters to be installed at PGCIL Sub-Stations is enclosed as Annexure-A.VII of agenda.
- Powergrid representative intimated forum that installation of new meters is not approved in any standing committee. While with regard to replacement of existing energy meters, Powergrid has no objections.
- SE(O), NRPC desired that a separate meeting may be conveyed among the officials of NRPC, NRLDC and PSTCL in next week for further deliberation in this matter.

The meeting ended with the vote of thanks to the Chair.
