



सत्यमेव जयते

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

संख्या: NRPC/OPR/106/01/2020/1871-1912

दिनांक: 25.02.2020

विषय: उत्तर क्षेत्रीय विद्युत समिति की प्रचालन समन्वय उप-समिति की 168^{वीं} बैठक की खण्ड-अ में लिए गए निर्णयों का सार।

Subject: Gist of decisions taken in the Part-A of 168th OCC meeting of NRPC.

उत्तर क्षेत्रीय विद्युत समिति की प्रचालन समन्वय उप-समिति की 168^{वीं} बैठक दिनांक 19.02.2020 को आयोजित की गयी। उक्त बैठक की खण्ड-अ में लिए गए निर्णयों का सार अनुलग्नक-1 में संलग्न है।

168th meeting of the Operation Co-ordination Sub-Committee of NRPC was held on 19.02.2020. The Gist of the decisions taken in Part-A of this meeting are enclosed in Annexure-I.

संलग्नक: यथोपरि

(सौमित्र मजूमदार)

अधीक्षण अभियंता (प्रचालन)

सेवा में,

प्रचालन समन्वय उप-समिति के सभी सदस्य

Gist of decisions taken in the Part-A of 168th OCC Meeting dt. 19.02.2020

Agenda No. 1: Confirmation of minutes

OCC confirmed the minutes of 167th OCC meeting.

Agenda No. 2.1: Supply Position (Provisional) for January 2020

Delhi – Lower than normal temperature persisted for maximum days of the month which led to increase in demand and energy consumption.

Himachal Pradesh – More than anticipated rainfall led to increased peak demand.

Rajasthan – Government policy of supplying power in 02 blocks during Rabi season has led to increase in peak demand. However, certain local network problems were being encountered leading to a decline in energy requirement .

Agenda No. 3: Maintenance Programme of Generating Units and Transmission Lines

Members were presented with the tabulated details of outage availed vis-à-vis outage approved in previous OCC meetings for the period of 01.01.2020 to 14.02.2020 and the same is presented below:

Entity	Planned (Approval in OCC)	Non-Planned Approvals	Emergency Approvals	Total Approvals	D-3 Requests	% of D-3 Requests
ANTA GAS	1	0	0	1	1	100.0%
AURAIYA GAS	0	0	1	1	0	-
BBMB	43	0	0	43	39	90.7%
BUDHIL	0	0	5	5	0	-
CHAMERA2	4	0	0	4	3	75.0%
CHAMERA3	0	0	3	3	0	-
CPCC1	241	0	34	275	147	61.0%
CPCC2	178	0	15	193	67	37.6%
CPCC3	224	0	34	258	60	26.8%
DADRI	7	0	0	7	3	42.9%
DADRI SY	0	0	2	2	0	-
DHAULIGANGA	0	0	0	0	0	-

GPTL	0	0	2	2	0	-
JHAKRI	2	0	0	2	2	100.0%
KARCHAM	3	0	1	4	0	-
KOTESHWAR	2	0	2	4	2	100.0%
NTPC NCR	4	0	0	4	4	100.0%
RAMPUR	21	0	12	33	19	90.5%
RAPP-C	4	0	0	4	3	75.0%
RENEW	1	0	1	2	1	100.0%
RIHAND	0	0	1	1	0	-
SALAL	6	0	3	9	3	50.0%
SEWA2	12	0	0	12	12	100.0%
SINGRAULI	65	0	0	65	2	3.1%
SLDC-DV	59	0	1	60	55	93.2%
SLDC-HP	2	0	0	2	0	-
SLDC-HR	112	0	5	117	10	8.9%
SLDC-JK	0	0	9	9	0	-
SLDC-PS	183	0	0	183	167	91.3%
SLDC-RS	129	0	4	133	123	95.3%
SLDC-UK	7	0	0	7	6	85.7%
SLDC-UP	0	0	39	39	0	-
STERLITE	17	0	2	19	13	76.5%
STU-UP	245	0	0	245	126	51.4%
URI2	0	0	0	0	0	-

All Members, especially CPCC NR-2, NR-3 & NTPC were advised to improve the percentage of availing outages and the percentage of D-3 requests.

Agenda No. 4.1: Anticipated Power Supply Position in Northern Region for March 2020

The updated anticipated Power Supply Position for March 2020 is as below:

State / UT		Energy (MU)	Peak (MW)
Chandigarh	Availability	120	310
	Requirement	110	235
	Surplus/Shortfall	10	75
	Surplus/Shortfall (%)	9.1%	31.9%
Delhi (revised on 18.02.2020)	Availability	3706	4890
	Requirement	2000	4100
	Surplus/Shortfall	1130	1870
	Surplus/Shortfall (%)	46%	16.15%
Haryana (revised on 18.02.2020)	Availability	5560	10020
	Requirement	3800	7350
	Surplus/Shortfall	1760	2670
	Surplus/Shortfall (%)	46.3%	36.3%
Himachal Pradesh (revised on 13/2/2020)	Availability	863	1711
	Requirement	868	1688
	Surplus/Shortfall	-5	23
	Surplus/Shortfall (%)	-0.6%	1.3%
UTs of J&K and Ladakh	Availability	920	2030
	Requirement	1800	3150
	Surplus/Shortfall	-880	-1120
	Surplus/Shortfall (%)	-48.9%	-35.6%
Punjab	Availability	5890	9000
	Requirement	4350	7400
	Surplus/Shortfall	1540	1600
	Surplus/Shortfall (%)	35.4%	21.6%
Rajasthan	Availability	9280	14900

(revised on 14/02/20)	Requirement	6800	13200
	Surplus/Shortfall	2480	1700
	Surplus/Shortfall (%)	36.5%	12.9%
Uttar Pradesh (revised on 12/02/2020)	Availability	9455	18000
	Requirement	9455	18200
	Surplus/Shortfall	0	-200
	Surplus/Shortfall (%)	0%	-1.1%
Uttarakhand (revised on 12/02/20)	Availability	1043	1930
	Requirement	1054	1980
	Surplus/Shortfall	-11	-50
	Surplus/Shortfall (%)	-1.1%	-2.6%
NR	Availability	39060	62340
	Requirement	30150	49000
	Surplus/Shortfall	8910	13340
	Surplus/Shortfall (%)	29.5%	27.2%

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

Haryana and Himachal Pradesh SLDCs were advised to submit the data w.e.f. April 2018 as per the billed data information in the format given as under:

Category→	Consumption by Domestic Loads	Consumption by Commercial Loads	Consumption by Agricultural Loads	Consumption by Industrial Loads	Traction supply load	Miscellaneous / Others
<Month>						

Agenda No. 6: System Study for Capacitor Requirement in NR for the year 2019-20

Members were informed that CPRI has again raised the issue of missing data in Haryana's data and has again sought clarifications on multiple issues. Representative of Haryana was of the view that all the data has been duly submitted to CPRI and the PSSE file submitted was converging with an accuracy of 0.3%.

Further, regarding the PSSE files for the other states it was informed that none of the state has verified the file as submitted by NRLDC and Rajasthan vide e-mail

dated 18.02.2020 has intimated that .sav file was not opening in PSSE@E33 of Rajasthan.

Members also expressed concerns with the progress being made in the study for the year 2019-20 citing that the year would be over in next 40 days and the study was still pending.

In view of the above, OCC forum decided to formulate a Sub-Group of all the SLDC representatives of NR, NRLDC and NRPC Secretariat to look into the extraordinary delay in the execution of the project. OCC forum also stated that the committee should also explore whether an alternative approach of maintaining power factor greater than 0.9 may be adopted rather than going for capacitor requirement study. OCC advised that the committee shall submit the findings before next OCC meeting.

Agenda No. 7: Phase nomenclature mismatch issue with interconnected stations

Members were informed that the information duly signed has been obtained from **Rajasthan, BBMB, Punjab, Delhi, UP and Haryana**. It was highlighted that apart from the phase nomenclature mismatch at BBMB, there were two other locations in Rajasthan (400 kV Ajmer & 400 kV Ratangarh) which were found to be having phase nomenclature mismatch with interconnected substations

PGCIL representative stated that Rajasthan is connected to PGCIL at around 15 locations and if there were phase nomenclature mismatch at one location it was bound to happen at other locations also. PGCIL was of the view that the same may be re-verified to assess the quantum of work and its requirement before moving forward with the action plan.

OCC members were of the view that the issue was only of phase nomenclature mismatch and electrically the phases were same. The only issue which was being faced was at the time of post fault analysis by NRLDC and during submission of report. Thus, OCC reiterated the decision taken in its 142nd OCC meeting wherein BBMB was directed to widely circulate the phase nomenclature mismatch issue to all their interconnected utilities and was also directed to display the phase nomenclature of BBMB and their corresponding phases in the grid at their Switchyard and Control Room. Also they were advised that while reporting any issue, the phase nomenclature of the grid and that of BBMB shall be clearly mentioned in order to avoid any misinterpretation.

However, the representative of NRLDC was of the view that a committee may be formed and tasked to assess the quantum of work and formulate the action plan for rectification of the issue as a whole.

OCC decided that a committee may be formed under the chairmanship of NRLDC with representative from NRPC Secretariat, PGCIL, Rajasthan, BBMB, HP and Punjab. Further, the committee was advised to submit its findings before next OCC meeting.

Agenda No. 8.4: Recommendations of Enquiry Committee on grid disturbances

OCC was informed that the updated status of compliance of recommendations was pending from UT of Chandigarh, J&K and Ladakh. Thus, it was decided that the information as available with NRPC Secretariat may be compiled and submitted to NPC Division, CEA.

Agenda No. 8.6: Reactive compensation at 220 kV/ 400 kV level

The updated status is presented below:

Sl. No.	Owner	Substation	Reactor	Updated Status
1.	POWERGRID	Kurukshetra	500 MVAR TCR	Anticipated commissioning: Jan-Mar'2021
2	DTL	Peeragarhi	1x50 MVAR at 220 kV	Tender Opening date 20.02.2020
		Harsh Vihar	2x50 MVAR at 220 kV	
		Mundka	1x125 MVAR at 400 kV	Tender Opening date 04.03.2020
			1x25 MVAR at 220 kV	
		Electric Lane	1x50 MVAR at 220 kV	Under Financial Concurrence
		Bamnauli	2x25 MVAR at 220 kV	Tender Opening date 04.03.2020
		Indraprastha	2x25 MVAR at 220 kV	Tender Opening date 04.03.2020
3.	Punjab	Dhuri	1x125 MVAR at 400 kV	Corrigendum to the NIT has been placed and the tender is likely to be opened on 05.03.2020
			1x25 MVAR at 220 kV	
		Nakodar	1x25 MVAR at 220 kV	
4.	PTCUL	Kashipur	1x125 MVAR at 400kV	Already submitted to PSDF. On hold due to policy decision
5.	Rajasthan	Akal	1x25 MVAR	PSDF funding sanctioned. Under tendering
		Bikaner	1x25 MVAR	
		Suratgarh	1x25 MVAR	
		Barmer	1x25 MVAR	Response awaited from TESSG of PSDF.

Agenda No. 9: SPS for ICTs at 765 kV Unnao sub-station

UP SLDC representative informed that the mock testing was conducted on 30.01.2020 which brought out the requirement of certain modifications which were to be done in the scheme. It was informed that the same has been done and the next mock testing may be carried out on 26.02.2020.

Regarding the non-inclusion of a condition wherein Anpara-Sarnath line is already under shutdown and during that period if Anpara-Unnao line gets tripped, UP representative stated that the all the logic had already been vetted by NRLDC and NRPC forum and in case if some logic were left out the same would be taken into account during the modification which would be required due to the commissioning of Anpara-D – unnao line.

Agenda No. 11: Mapping of UFR, df/dt relays in SCADA

NRLDC representative briefed the latest statewise summary of UFR and df/dt feeder mapping and availability of data. Further, all states were advised to also ensure displaying the status of healthiness of UFR and df/dt relays so as to ascertain their availability.

Agenda No. 12: Transmission Constraints faced by M/s IA Hydro Energy Pvt. Ltd. (agenda based on letter from GM Division, CEA)

HP representative stated that during July-August 2019 the tower of the line got damaged due to which the transmission constraints had arisen. However, the same has been rectified and the line was in healthy condition presently and proper operation and maintenance of all the asset were being carried out.

Agenda No. 13: Requirement of 01 No. of 220 kV GIS Disconnecter Switch for 231 MW Chamera-III Power Station of NHPC Ltd. on returnable basis (agenda based on Letter from NHPC)

OCC expressed concerns on the availability of only one feeder out of two at Chamera-III Power Station of NHPC citing the upcoming hydro peak season and the evacuation of power from the upcoming Holi Bajoli HEP. It was highlighted that if the healthiness of feeders is not ensured not financial losses would be incurred due to non-utilisation of hydro power and spillage of water.

NHPC representative stated that a meeting has been held with Director, DTL wherein DTL has advised for submission of an undertaking while providing the spare Disconnector. It was informed that DTL has in-principle agreed for providing the spare disconnector for utilization of NHPC.

PGCIL was also advised to complete the tower rectification work of the Chamera-III – Chamba lines and charge the same before the Disconnector switch is replaced at Chamera-III. PGCIL agreed to the same.

Agenda No. 14: Provisioning of PMUs on HVDC and FACTS device locations (agenda based on Letter from POSOCO)

PGCIL representative stated that the letter has been addressed to Director (O), PGCIL and any internal communication was still awaited from the higher authorities. In view of the above, it was decided that the matter would be taken up in the

upcoming TeST Sub-Committee meeting.

Agenda No. 15: To restrict DC of coal/lignite based generating stations not giving requisite primary response (agenda by UPSLDC)

In the meeting it was decided that the instances wherein the requisite primary response has not been provided may be tabulated and brought for deliberation in the next Commercial Sub-Committee meeting of NRPC for further deliberations.

Agenda No. 16: Approval of Electrical Inspector for replacement works (agenda by UPSLDC)

Considering the difficulties being faced by the STUs and CTU for replacement works, OCC forum advised all STUs to submit their concerns in writing to MS, NRPC for taking it further with the competent authority for necessary amendments in the regulations.

Further, all the STUs and CTU were advised to seek time from Chairperson, CEA and express their concern so as to seek quick redressal of the difficulties being faced.

Agenda No. 17: Furnishing bank account details by beneficiary to facilitate payments of net benefits accrued in national Pool Account (SCED) (agenda by NLDC)

Rajasthan stated that separate account has been opened and the details for the same would be submitted by 02.03.2020

All the other beneficiaries were advised to furnish their bank account details for transfer of net SCED benefits at the earliest.

Agenda No. 18: Continuous overloading of 400kV S/C Kota-Anta line since commissioning (agenda by PGCIL)

Rajasthan representative informed that the aforementioned loading does not correspond to the thermal limit of the line, however, augmentation of 315 MVA ICT at Kalisindh to 500 MVA would reduce the loading on 400 kV Kota-Anta line.

Further, Rajasthan SLDC was advised to propose the load management plan in order to reduce the loading and cause any loss to the line and its terminal equipment.

Agenda No. 19: Request for Minimum Unit running in Stage-1 of Dadri-Thermal (agenda by NTPC)

Representative of Delhi agreed in-principle for providing schedule as per the requirement of the Delhi grid tentatively in the first week of April when the demand is forecasted to pick-up.
