

Additional agenda for 176th OCC meeting

खण्ड-ख: उ.क्षे.भा.प्रे.के.

Part-B NRLDC

26. Elements under long outage:

Following elements are under outage since long duration, utilities are requested to expedite revival works of these elements and share latest update in OCC meeting:

S. No	Transmission Elements	Expected/Actual Revival date (Deliberation in 175 OCC)
1	+/- 300 Mvar Statcom Lucknow (PG)	Due to COVID-19, supply of coupling transformer by ABB (Vadodara) have been delayed and expected to be revived by end of Sept'20.
2	400/220kV Chamera III(NHPC)-Chamera pool(PG) 2 and Chamera III HEP Bus 1	POWERGRID representative informed that foundation works have started, and the line would be revived by Oct'2020. NHPC representative informed that bus at Chamera-3 is also expected by Oct-2020.
3	400/220kV Bhilwara 315 MVA ICT-1	Rajasthan SLDC representative informed that order placing got delayed and the ICT would be available after one year as it would be going to OEM for repair.
4	220 KV Kishenpur-Ramban(PDD) Ckt-1	-
5	765 KV Anta-Phagi (RS) Ckt-2	Two towers are damaged and works are under process for tower location No. 355 & 394. Revival work is going on, but it may get delayed due to rain. Line is expected to be revived in next 1-2 months.
6	80 MVAR Bus Reactor AT NJPC	The proposal for the new Reactor was Initiated by indenting deptt on 23/12/2019 and estimate was sanctioned on 13/01/2020. The NIT was called by P&C deptt on 17/03/2020. Thereafter, the firms could not submit their bid due to COVID-19 even after extensions of due date. The due date for the submission & opening of the tender has been extended five (05) times due to COVID-19 and as per requests of the firms. The next due date for the submission & opening of the tender is 02/09/2020.
7	SVC No 1(-140/+140MVAR) at 400 KV Kanpur(PG)	Damaged parts under procurement process. Would be revived after attending all issues
8	125 MVAR BUS REACTOR NO 1 AT	Works are under progress for commissioning of new bay

400KV SARNATH(UP)	
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Apart from this, other elements are under outage since long duration. Utilities are requested to expedite revival works of these elements and share latest update in OCC meeting

S. No.	Element Name	Owner	Outage Date	Reason
1	400/220 KV 315 MVA ICT 1 AT WANGTO_GIS(HP)	HPS EB	11-09-2020	To rectify high value acetylene in R phase and Y phase - 10.8 %/l and 9.5 %/l which is beyond the prescribed IEEE set limits of 1%/l
2	400/220 kV 315 MVA ICT 2 at Bikaner(RS)	RRV PNL	25-07-2020	Testing and inspection of ict- ii 315mva
3	400/220 kV 500 MVA ICT 1 at Noida Sec 148(UP)	UPPT CL	19-08-2020	500 MVA ICT-I also got damaged due to fire in ICT-II, for protection testing.
4	400 KV Jaisalmer-Barmer (RS) Ckt-1	RRV PNL	12-05-2019	due to tower collapse
5	400 KV Jaisalmer-Barmer (RS) Ckt-2	RRV PNL	12-05-2019	due to tower collapse
6	400/220 kV 315 MVA ICT 1 at Muradnagar_1(UP)	UPPT CL	13-03-2020	Bucholz relay alarm and Local Breaker Backup protection operated. Tripped along with Hapur-Muradnagar line. Flags are not reset because of cable flashover.
7	220 KV Palwal(HV)-Samaypur(BB) (HVPNL) Ckt-2	HVP NL	29-06-2020	Bus bar protection operated of 220 KV BUS-1 at Samaypur
8	400/220 kV 500 MVA ICT 4 at Dadri(NT)	NTP C	01-08-2020	tripped on minimum oil protection
9	400/220 kV 500 MVA ICT 1 at Lucknow(UP)	UPPT CL	14-08-2020	Internal fault
10	220 KV Kishenpur(PG)-Barn(JK) (PDD JK) Ckt-1	PDD JK	22-08-2020	Phase to earth fault B-N FC= 11KA & FD= 6.8 KM from Barn end
11	220KV Bus 3 at Panipat(BB)	BBM B	02-10-2020	Tripped due to bus bar operated
12	220KV Bus 4 at Panipat(BB)	BBM B	02-10-2020	Tripped due to bus bar operated

Members may like to discuss.

27. Declaration of high demand season and low demand season:

Hon'ble commission has notified regulatory framework of differential tariff, applicable to thermal generating station, during peak and off-peak hours, during high demand season of three months and low demand season of remaining nine months in Central Electricity Regulatory Commission Regulations, 2019. In view of above, concerned RLDC has to declare high demand season and low demand season in region after consultation with stakeholders in accordance with 2019 tariff regulations six months before any financial year. Communication received from CERC dated 07.10.2019 in this regard is attached as **Annexure-B.VI**.

Considering the demand pattern of Northern Region, OCC decided to declare June, July and August 2020 to be the high demand season in the region for FY 2020-21. For 2021-22, the period to be considered for high demand season may be deliberated.

Members may please discuss.

28. Testing of primary frequency response of generators as per IEGC 5.2.g:

The Hon'ble Central Electricity Regulatory Commission (CERC), vide notification dated 12th April 2017, had notified Indian Electricity Grid Code (Fifth Amendment) Regulations, 2017. As per this notification has added following proviso at the end of Regulation 5.2 (g) of Part 5 of the Principal Indian Electricity Grid Code (IEGC) Regulations:

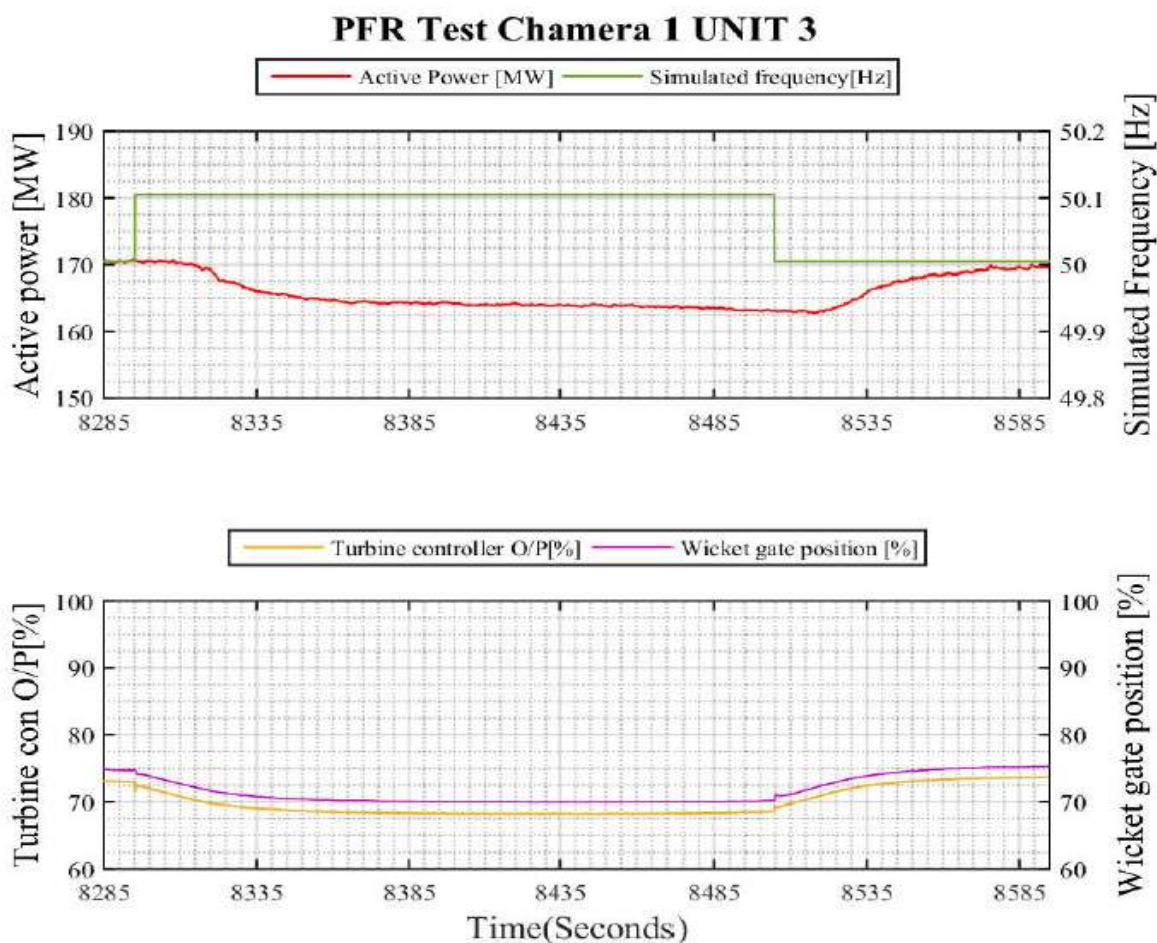
"Provided that periodic checkups by third party should be conducted at regular interval once in two years through independent agencies selected by RLDCs or SLDCs as the case may be. The cost of such tests shall be recovered by the RLDCs or SLDCs from the Generators. If deemed necessary by RLDCs/SLDCs, the test may be conducted more than once in two years."

In compliance of the regulation mentioned above, POSOCO has carried out necessary actions which were shared with all the generators (including Thermal, Hydro and Gas) from time to time.

NRLDC has communicated to all the NR utilities through mail and also put agenda in 171st&174th OCC meeting for the information of all the NR constituents.

As informed in 171st & 174th OCC meeting, M/s Solvina and M/s Siemens have been selected to carry out the testing. M/s Solvina also gave a detailed presentation on testing procedure in the OCC meeting. NRLDC requested all the constituents to provide necessary support to complete the CERC mandated PFR (Primary Frequency Response) testing procedure.

Testing by M/s Solvina at Chamera-1 HEP (Unit-1 & 3) started from 18:00 hrs of 09th Oct 2020. One of the output results of step test performed at Chamera-1 HEP by M/s Solvina is as below:



Testing at Chamera-3 HEP is likely to be started from 13th Oct 2020. Schedule for other plants will also be informed whenever received from the M/s Solvina or generators.

Generators/testing agency shall inform about the date and schedule of testing at least 7 days in advance to NRLDC/ NRPC so that manpower from NRLDC/ NRPC or state constituents can be deputed for witnessing the test.

Apart from above, Generators in coordination with M/s Solvina or M/s Siemens as the case may be shall provide the tentative schedule at least 3 days before the testing date so that constituents get sufficient time to plan their load generation balance for secure grid operation.. All the NR constituents are requested to provide the necessary schedule to complete the CERC mandated PFR (Primary Frequency Response) testing procedure. If required, NRLDC will further moderate/ fine tune the required schedule in consultation with the constituents. Generator should also maintain the schedule finalised by the constituents and endeavour should be to

minimize the deviation from schedule and complete the test in time. Cooperation from all stakeholders is solicited in this regard.

Members may like to discuss.



सत्यमेव जयते

Sanoj Kumar Jha, IAS
Secretary

केन्द्रीय विद्युत विनियामक आयोग
CENTRAL ELECTRICITY REGULATORY COMMISSION



No: 20/2017/CERC

Dated 7th October, 2019

Subject : Declaration of High Demand Season (period of three months, consecutive or otherwise) and Low Demand Season (period of remaining nine months, consecutive or otherwise) in a region.

Dear Sir

The Commission has notified regulatory framework of differential tariff, applicable to thermal generating station, during Peak Hours and Off-Peak Hours, during High Demand Season of three months (continuous or otherwise) and Low Demand Season of remaining nine months in Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 ("the 2019 Tariff Regulations"). Further, clause (3) of Regulation 42 of the 2019 Tariff Regulations provides that the Peak and Off-peak period, High Demand and Low Demand season are to be declared by the concerned Regional Load Despatch Centre (RLDC) in the manner specified in Regulations. Extract of relevant regulation is given in Annexure-A.

2. As per clause (3) of Regulation 42 of the 2019 Tariff Regulations, the High Demand Season and Low Demand Season in a region is to be declared at least six months in advance in consultation with the concerned stakeholders in accordance with the Regulation. Since abovesaid regulatory framework will be effective from 1st April, 2020, the concerned RLDC are required to declare the High Demand Season and Low Demand Season of each region on or before 1st October, 2019.

3. In view of above, concerned RLDC may immediately declare High Demand Season and Low Demand Season in region after consultation with the concerned stakeholders in accordance with the 2019 Tariff Regulations, if it has not done so in accordance with clause (3) of Regulation 42 of 2019 Tariff Regulations.

Yours faithfully


07/10/19
(Sanoj Kumar Jha)

To,

As per Mailing List

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Mailing List:

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The Executive Director,
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F-3, MIDC Area, Marol, Andheri(East), Mumbai-400093
- 2) To,
The Executive Director,
Northern Regional Load Despatch Centre (NRLDC),
Power System Operation Corporation Ltd (POSOCO),
18-A, Shaheed Bhagatsingh Sansanwal Marg,
Katwaria Sarai, NewDelhi-110016
- 3) To,
The Executive Director,
Southern Regional Load Despatch Centre (SRLDC),
Power System Operation Corporation Ltd (POSOCO),
29, Race Course Road, Bangalore-560009
- 4) To,
The Executive Director,
Eastern Regional Load Despatch Centre (ERLDC),
Power System Operation Corporation Ltd (POSOCO),
14, Golf Club Road, Tollygunge, Kolkata -700 033
- 5) To,
The Executive Director,
North Eastern Regional Load Despatch Centre (NERLDC),
Power System Operation Corporation Ltd (POSOCO),
POWERGRID Complex, Dongteih,
Lower Nongrah, Lapalang,
Shillong- 793006
- 6) To,
The Executive Director (Operation),
National Load Despatch Centre,
POSOCO, IFCI Tower, Nehru Place,
NewDelhi

42. Computation and Payment of Capacity Charge for Thermal Generating Stations:

(1)...

(2)...

(3) Normative Plant Availability Factor for "Peak" and "Off-Peak" Hours in a month shall be equivalent to the NAPAF specified in Clause (A) of Regulation 49 of these regulations. The number of hours of "Peak" and "Off-Peak" periods during a day shall be four and twenty respectively. The hours of Peak and Off-Peak periods during a day shall be declared by the concerned RLDC at least a week in advance. The High Demand Season (period of three months, consecutive or otherwise) and Low Demand Season (period of remaining nine months, consecutive or otherwise) in a region shall be declared by the concerned RLDC, at least six months in advance:

Provided that RLDC, after duly considering the comments of the concerned stakeholders, shall declare Peak Hours and High Demand Season in such a way as to coincide with the majority of the Peak Hours and High Demand Season of the region to the maximum extent possible:

Provided further that in respect of a generating station having beneficiaries across different regions, the High Demand Season and the Peak Hours shall correspond to the High Demand Season and Peak Hours of the region in which majority of its beneficiaries, in terms of percentage of allocation of share, are located.