



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/ 3158-99

दिनांक: 27.03.2020

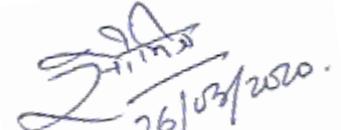
विषय: उत्तर क्षेत्रीय विद्युत समिति की प्रचालन समन्वय उप-समिति की 169^{वीं} बैठक की खण्ड-अ में लिए गए निर्णयों का सार।

Subject: Gist of decisions taken in the Part-A of 169th OCC meeting of NRPC.

उत्तर क्षेत्रीय विद्युत समिति की प्रचालन समन्वय उप-समिति की 169^{वीं} बैठक दिनांक 17.03.2020 को आयोजित की गयी। उक्त बैठक की खण्ड-अ में लिए गए निर्णयों का सार अनुलग्नक-I में संलग्न है।

169th meeting of the Operation Co-ordination Sub-Committee of NRPC was held on 17.03.2020. 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 169th OCC Meeting dt. 18.03.2020

Agenda No. 1: Confirmation of minutes

Comment from HVPN

i. Agenda 3

Members were informed that SLDC Haryana vide e-mail dated 09.03.2020 has intimated that the information related to SLDC Haryana as brought out in the minutes portrays a wrong image of availing rate of shutdowns by Haryana due to software issues at NRLDC end. The correct figures according to SLDC Haryana are as given below:

Entity	Planned	Non-Planned	Emergency	Total Approvals	Extra entries (repeated entries) due to software error	D-3 requests	Actual approvals	% D-3 requests
SLDC-Haryana	112	0	5	117	101	10	16	93.75

NRLDC representative stated that the same was analysed at their end and it was found that the outage taken on Daily Basis for multiple days were being interpreted by the software as multiple cases, thus, amounting to extra entries.

Further, it was stated that extra entries in case of Haryana were 65 and not 101 as brought out by SLDC Haryana.

NRLDC also informed that the software developer has been intimated to rectify the issue of repeated entries in the report at the earliest.

ii. Table agenda: Voltage Dip problem at 220kV M/s Maruti Substation

The subject cited agenda was deliberated in the 168th OCC meeting but was inadvertently missed in the minutes of the meeting. Haryana SLDC has requested for inclusion of the same in the minutes:

“Haryana representative stated that 220 kV Maruti substation (MSIL) was test charged on 19.11.2019 and 50/60 MVA, 220/11 kV Transformer 2 was put in the service on 18.12.2019. M/s MSIL informed to HVPNL that they are facing voltage dips problems at 220kV voltage level, which is causing operational issues in their plant.

Some of the events as mentioned below were brought out to the OCC forum.

OCC advised NRLDC to look into the issue and suggest remedial measures to be taken so as to avoid power quality issues being experienced by M/s Maruti Ltd.”

TIME		As Per SLDC System				As Per Maruti				Remarks
		Duration	Voltage (Before)- KV Phase Voltage	Voltage (After)- KV Phase	% dip	Duration	Voltage (Before)-	Voltage (After)-	% dip	
from	to									
2019-12-27 02:12:48.520	2019-12-27 02:12:48.600	80 ms	246	221	10.162802	60	240	221	7.92%	Ballabgarh_PG-MaharaniBagh ckt was closed as per SOE
2019-12-28 00:27:38.960	2019-12-28 00:27:39.080	120 ms	248	163	34.274194	80	240	163	32.08%	At that time multiple element tripped at 400kv Bawana(DTL) due to Y-N fault.
2019-12-28 15:50:37.000	2019-12-28 15:50:37.120	120 ms	237	213	10.126382	80	231	200	13.42%	Jaipur South_PG-Bassi Ckt was opened at that time as per SCADA SOE.
2019-12-30 05:52:13.920	2019-12-30 05:52:14.040	120ms	242	218	9.6858106	100	237	205	13.50%	-
2020-01-02 16:22:13.640	2020-01-02 16:22:13.720	80ms	239	235	1.6736402	90	232	214	7.76%	No any transients have been observed neither on 220kv Side nor on 400kv side.
2020-01-05 07:21:00.000	2020-01-05 07:21:59.960	-	241	241	0	131	233	212	9.01%	No any transients have been observed. Voltage was slightly increased but it was in steady state condition.
2020-01-08 11:49:20.200	2020-01-08 11:49:20.520	-	234	234	-0.190811	100	225	206	8.44%	
2020-01-12 05:55:37.200	2020-01-12 05:55:37.320	120ms	239	219	8.3682008	100	224	196	12.50%	
2020-01-13 04:45:28.360	2020-01-13 04:45:28.880	520ms	244	222	9.0163934	100	239	212	11.30%	Operation being done at Dhanonda-Dadibana Ckt.
2020-01-13 16:39:44.640	2020-01-13 16:39:44.920	280ms	240	234	2.5	350	234	188	19.66%	-
2020-01-15 09:17:48.240	2020-01-15 09:17:48.400	160ms	232	208	10.344828	380	225	161	28.44%	Daultabad-Manesar Ckt. 2 was tripped at that time.
2020-01-22 20:49:35.480	2020-01-22 20:49:35.600	120ms	242	211	12.809917	50	234	208	11.11%	Ballabgarh-Tuglakabad ckt. Was closed as per SOE.

* Data has been taken from Ballabgarh Substation due to Gurugram_pg data not available.

During the deliberations in the 169th OCC meeting, NRLDC representative stated that in most of the incidents as brought out by Haryana SLDC, the fault got cleared within the stipulated time (160 msec for 220 kV line, stipulated in Grid Standards regulations). Thus, it seems to be an internal issue of Maruti Suzuki Ltd and the same lies within the control area of Haryana SLDC.

Accordingly, Haryana SLDC was advised to hold a separate meeting with MSIL and verify the protection setting and coordinate the same in accordance with the grid standards.

OCC confirmed the minutes of 168th OCC meeting along with the aforementioned amendments and inclusion.

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

Haryana – Sudden increase in temperature along with increased agricultural load demand for few days upto 17th February led to an increased peak demand.

Himachal Pradesh –Unanticipated rainfall led to increased peak demand and less requirement in energy terms over the month.

Rajasthan – Network extension and the two block supply policy executed by Jaipur and Jodhpur DISCOMs during February 2020 led to an increase in the agricultural load and increased peak demand.

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

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

State / UT		Energy (MU)	Peak (MW)
Chandigarh	Availability	100	300
	Requirement	120	260
	Surplus/Shortfall	-20	40
	Surplus/Shortfall (%)	-16.7%	15.4%
Delhi (revised)	Availability	3890	6000
	Requirement	2825	6000
	Surplus/Shortfall	1065	0
	Surplus/Shortfall (%)	37.7%	0.0%
Haryana	Availability	4530	9790
	Requirement	3970	8540
	Surplus/Shortfall	560	1250
	Surplus/Shortfall (%)	14.1%	14.6%
Himachal Pradesh (revised)	Availability	850	1490
	Requirement	853	1434
	Surplus/Shortfall	-3	56
	Surplus/Shortfall (%)	-0.3%	3.9%
UTs of J&K and Ladakh	Availability	1350	3300
	Requirement	1670	3010
	Surplus/Shortfall	-320	290
	Surplus/Shortfall (%)	-19.2%	9.6%
Punjab	Availability	5200	11090
	Requirement	3810	7300
	Surplus/Shortfall	1390	3790

	Surplus/Shortfall (%)	36.5%	51.9%
Rajasthan (revised)	Availability	8480	20640
	Requirement	6800	12100
	Surplus/Shortfall	1680	8540
	Surplus/Shortfall (%)	24.71%	70.58%
Uttar Pradesh (revised)	Availability	10050	21000
	Requirement	9960	20200
	Surplus/Shortfall	90	800
	Surplus/Shortfall (%)	0.9%	3.96%
Uttarakhand	Availability	950	2750
	Requirement	1160	2000
	Surplus/Shortfall	-210	750
	Surplus/Shortfall (%)	-18.1%	37.5%
NR	Availability	35700	72500
	Requirement	31125	56000
	Surplus/Shortfall	4575	16500
	Surplus/Shortfall (%)	14.7%	29.5%

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

Following status on the submission of energy consumption breakup was discussed

State	Period of submitted data	Submitted in specified format or not
Rajasthan	Apr'18 – Jan'20	Yes
Punjab	Apr'18 – Jan'20	Yes
Uttar Pradesh	Apr'18 – Nov'19	Yes
Haryana	Apr'18 – Nov'19	No
Himachal Pradesh	Apr-18 – Mar'19	No
Delhi	Apr-18 – Dec'19	Yes

HP representative stated that the information in the format has been submitted via email dated 17.02.2020 to NRPC. However, the same could not be traced by NRPC Secretariat.

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

OCC forum was informed that due to the outbreak of COVID-19 the constitution and meeting of the sub-group could not happen. Further, the members were requested to submit the nominations for the sub-group so that the meeting could be held at the earliest.

The nominations as received are:

S. No	Organization	Name	Designation	E-mail	Mobile
1.	NRPC	Sh. Akshay Dubey	AEE (O)	dubey[dot]akshay[at]gov[dot]in	95991-79744
2.	NRLDC	Sh. Shashank Tyagi	Chief Manager	shashank[at]posoco[dot]in	95994-41243
3.	Delhi SLDC	Sh. Naveen Kumar	-	-	-
4.	Rajasthan SLDC	Ms. Sona Shishodia	Executive Engineer	-	-
5.	UP	Sh. Pankaj Saxena	Executive Engineer	smart[dot]saxena[at]gmail[dot]com	94159-02780
6.	Haryana	Sh. Subhash Chand	XEN/ Works, Panchkula	-	93164-67248
		-	XEN/Works, Hisar	-	95411-00024

7.	Punjab	-	-	-	-
8.	Uttarakhand	Sh. Vinayak Shailly	EE	-	70881 17954
9.	HP	Er. Abhishek Puri	AE (E)	-	-

Members were requested to submit the pending nominations and contact details to NRPC Secretariat latest by 20.03.2020.

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

NRLDC representative informed that the nominations for the committee was awaited and the action plan would be formulated at the earliest after assessing the quantum of work.

Members were of the view that NRLDC shall initially assess the quantum of work as per the deliberations held in the 168th OCC meeting and also take into consideration the practicality of the solution proposed. Further, NRLDC was advised to submit its findings before next OCC meeting.

The nominations received during the meeting for the sub-group are:

S. No	Organization	Name	Designation	E-mail	Mobile
1.	NRLDC	Sh. Alok Kumar	Sr. DGM	Alok[dot]kumar[at]posoco[dot]in	99990-93321
2.	NRPC	Sh. Ratnesh Kumar	Executive Engineer (O)	-	98111-01805
3.	BBMB	Sh. R. K. Chandan	Dir (P&C)	Dirpc[at]bbmb[dot]nic[dot]in	-
4.	Rajasthan	Sh. R. C. mahawar	Exe. Engineer	xen1[dot]prot[dot]jaipur[at]rvpn[dot]co[dot]in	94133-84026
		Sh. Kamal Patidar	Exe. Engineer	-	94133-82632

5.	POWER GRID	Sh. M. S. Hada	DGM	mshada[at]powergridindia[dot]com	96505-55997
		Sh. Praveen Kumar	DGM	mr[dot]praveenkumar[at]powergridindia[dot]com	99065-46606

Other utilities were requested to submit the nominations directly to NRLDC at the earliest.

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 opened on 27.02.2020.Under Bid evaluation.
		Harsh Vihar	2x50 MVAR at 220 kV	
		Mundka	1x125 MVAR at 400 kV	No bid received for the Tender scheduled to be opened on 04.03.2020.To be refloated.
			1x25 MVAR at 220 kV	
		Bamnauli	2x25 MVAR at 220 kV	
		Indraprastha	2x25 MVAR at 220 kV	
Electric Lane	1x50 MVAR at 220 kV	Scheme sent for approval in DTL BOD meeting.Tender to be floated after approval.		
3.	Punjab	Dhuri	1x125 MVAR at 400 kV	Bid opening date extended due to less participation. TO be opened on 26.03.2020.
			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 Anpara-C & Anpara-D machines were under shutdown and thus the mock testing could not be conducted. It was further informed that the test would be conducted in April 2020.

Agenda No. 10: Automatic Demand Management System

Punjab representative informed that Siemens has given an initial offer for which negotiations were being conducted.

Delhi SLDC informed that the implementation of ADMS by NDMC has been delayed.

Rajasthan representative intimated that ADMS implementation may be completed by December 2020 and supply for the project has commenced.

UP representative stated that the issue for implementation of ADMS is being discussed at higher management level.

It was decided that NRPC Sectt. would request state DISCOM heads of NR for ADMS implementation.

Agenda No. 12: Islanding Schemes of NR

It was decided to form a Sub-Group under the Chairmanship of MS, NRPC with SE (O) as its Convener along with representation from NRLDC and the islanding scheme implementing agencies.

The Sub-Group will be holding separate meeting for each islanding scheme in NR and thereafter prepare a repository of the same.

Table agenda No. 1: Comments on ramp Assessment Guidelines by NLDC (by APCPL Jhajjar)

APCPL Jhajjar was advised to submit its comments directly to NLDC.

Table agenda No. 2: Ramp rate capability issues in NTPC Dadri (by NTPC)

NTPC was advised to first approach the implementing agency i.e NLDC for its recommendation and thereafter bring the agenda for the consideration of OCC forum.

Table agenda No. 3: Scheduled/Regular maintenance of 400 KV Outgoing Transmission line evacuating Power from MGTPP (by JPL)

Haryana representative mentioned that fault on 01.02.2020 cleared within 80 msec and JPL unit might have tripped on account of sensitive transformer surge protection setting. It was advised to NRLDC to also take the specific incident in the upcoming Protection Sub-Committee Meeting. Further, HVPNL was advised to submit the detailed report of the incident at the earliest and ensure preventative maintenance of all the 4 lines (D/C Dhanoda & D/C Kabulpur) at regular intervals

Table agenda No. 4: Deferment of Major Overhauling of MGTPP Unit#1 (by JPL)

OCC forum was informed that due to outbreak of pandemic caused by **Coronavirus** and advisory issued by Gol restricting travel, JPL had to defer its planned major overhauling of Unit#1 *sine die*.

Further, JPL machines are due for scheduled maintenance as per the OEM recommendation and it is required to carry out the preventive maintenance at the earliest to avoid forced outages

OCC permitted JPL to carryout outage at first available opportunity.
