



DELHI TRANSCO LIMITED
(A Govt. of NCT of Delhi Undertaking)
An ISO 9001:2015 certified company
{Office of DGM(T)-OS}
1st Floor, Park Street Building, New Delhi-110001
Website:-www.dtl.gov.in

No. F.DTL/201/2021-22/DGM(OS)/F4/ 188

Date:- 02.03.2022

**Subject: 11th Meeting of Delhi Operation Coordination Committee (2021-22)
- Minutes of Meeting.**

The 11th meeting of Delhi Operation Coordination Committee (OCC) was held on 22.02.2022 (Tuesday), 11:00 A.M and conducted through online mode.

The Minutes of Meeting are enclosed for confirmation and necessary action.

Minutes of Meeting are also available on DTL website, www.dtl.gov.in under the tab "News and Information"-OCC Meeting. (http://dtl.gov.in/content/344_1_OCC-Meeting2021.aspx).

Thanking You.

Sincerely yours,

---Sd/--

(Hitesh Kumar)

Dy. General Manager (OS)

Delhi Transco Limited

Copy for favor of kind information to:

- (i) Secretary, DERC, Vinnyamak Bhawan, C-Block, Shivalik, New Delhi-17
- (ii) OSD to CMD, DTL
- (iii) Director (Operation), DTL.


02/03/2022
Dy. General Manager (OS)

To all members - - As per list enclosed - -

11th Meeting of Delhi Operation Coordination Committee (2021-22)- Minutes of Meeting

Distribution List:

DTL	1. General Manager (O&M)-I 2. General Manager (O&M)-II 3. General Manager (P&M, DM&S) 4. General Manager (Planning) 5. DGM (O&M) - North, East, West, South 6. DGM (Metering/Protection) 7. DGM (Planning)
SLDC	1. General Manager (SLDC) 2. DGM (SO)
TPDDL	HOD (PSC &AM), Sr. Manager (PSC)
BRPL	VP, AVP (SO)
BYPL	VP, AVP (SO)
NDMC	Superintending Engineer, E-1
IPGCL	AGM (T) Opr. GTPS
PPCL	1. AGM (T) Opr.PPS-I 2. AGM (T) Opr. PPS-III
MES	AEE/M.SLDC Officer
BBMB	Sr. Executive Engineer, O&M
DMRC	GM (Traction), Sr.DGM (Traction)
GMR(DIAL)	GM(DIAL)
N. Railways	Sr. DEE (TRD)

MINUTES OF 11TH DELHI OCC MEETING

Date :	22.02.2022
Time:	11:00 AM
Venue:	Online Via Video conferencing O/o-GM(O&M)-I, Delhi Transco Ltd., 220 kV S/stn Park Street, New Delhi-01
	List of participants is enclosed as Annexure-I.

The Chairman, Delhi OCC welcomed the members/participants and requested to start the meeting as per circulated agenda.

It was informed that the peak demand for January'22 was 5104 MW against peak demand of 5021 MW in January'21. Total energy consumed in January'22 was 2266.338 MUs against 2269.552 MUs in January'2021. SLDC Delhi informed that, anticipated peak demand for the month of March'22 is 4200MW and expected availability is 5410 MW (Surplus +1210MW). The anticipated maximum energy requirement for one day is 66.129MUs and expected availability is 118.100MUs (Surplus +51.971MUs).

1. Confirmation of minutes of 10th Delhi OCC meeting (2021-22) held on dated 28.01.2022.

The 10th Delhi OCC meeting (2021-22) was held on 28.01.2022 through video conferencing in accordance with the agenda circulated vide letter dt: 20.01.2022 & 25.01.2022. Minutes of the OCC meeting were issued on 02.02.2022 and was uploaded on DTL website (http://dtl.gov.in/content/344_1_OCC-Meeting2021.aspx).

Members confirmed the Minutes of 10th Delhi OCC meeting.

2. DTL Agenda:-Proposed planned shutdowns of DTL for the month of March-2022.

After detailed discussion with the members, OCC approved shutdowns subject to real time condition & consent from respective DISCOMs.

- **OCC directed all DISCOMs to provide their consent to OS department/SLDC in advance of respective shutdowns for fruitful discussion during the meeting as the planned list of shutdown is shared 4-5 days before the meeting. Any observation raised by DISCOMs regarding any shutdown will be discussed in the meeting and all other shutdowns shall presumed as deemed approved.**
- **OCC advised O&M/DTL to utilize shutdown window alongwith many shutdowns proposed by DTL Protection Deptt./Project Deptt. by clubbing their Operation and Maintenance activities as also per PMS to minimize the outage period. Every shutdown must be availed upto maximum optimization.**

- SLDC requested O&M/Gazipur to coordinate with EDWPCL at their end for the proposed shutdown of 66kV EDWPCL feeder to complete the work on the Ckt.
- OCC instructed all the concerned departments of DTL to completely utilize the PSDF related material i.e, CB/CT/isolator etc by 31.03.2022.
- OCC approved the shutdown of DTL Project Deptt. of 220kV bus-A, C & E at Bamnauli for 28.02.2022. OCC advised GMR(Dial) to make necessary arrangement to manage the load in case of exigency. DTL/O&M is also advised to club their shutdown activities & utilize the shutdown window.
- OCC advised SLDC to coordinate with PPCL for the proposed shutdown of GT-II at Pragati.

3. DTL Agenda:-Installation and commissioning of 11KV Switchgear at 220KV Mehrauli after the fire incident dated 08.01.2022

On date 08.01.2022, a fire incident was occurred due to flash over in 11KV switchgear installed under the control room building causing damaged of control cable panels relays etc.

There were six 11KV outgoing feeders along with 02 local supply feeders in the switchgear room at Mehrauli. The named are as follows:-

1. 11KV Vasant Kunj Sec-A
2. 11KV Vasant Kunj Sec-D
3. 11KV Local-II
4. 11KV Dera Bhati
5. 11KV Andheria Bagh-I
6. 11KV Local-I
7. 11KV Andheria Bagh-II
8. 11KV Fatehpur Beri

In this regard, BRPL has been advised to arrange for alternate arrangement for shifting of these feeders to nearby location by installing its 11KV system from its stock so as to meet the load requirement. In this regard, it is submitted that DTL has no spare 11KV switchgear panel available in its stock so revival of this 11KV load is not possible.

In view of above, BRPL may be requested to arrange for the alternate arrangement in this regard.

OCC Deliberation:- O&M/Mehrauli apprised OCC about the planning of increasing the number of 11kV feeders and scheme of upgradation of 20MVA PTRs with 31.5MVA PTRs by BRPL.

OCC deliberated, advised BRPL to obtain the prior approval of Planning department for increasing panels in the panel board & upgradation. In the mean time revival process may be started by BRPL as per existing sub-station feeders.

4. DTL Agenda:-Frequent trippings of 33KV BRPL Feeders at 220 KV Okhla Sub-station.

This is to bring in notice of OCC that on dt. 03.02.2022 at 05:15 hrs BRPL feeder 33 KV Nehru place Ckt-I was tripped at 220 KV Okhla on distance protection Zone-I , at distance 2.8 kms from 220 KV Okhla at Fault current 12A, at same time DTL 100 MVA Pr Tx No- 4 along with

Incomer also tripped on differential protection and master trip 86 relay. LV Tests & internal inspection was carried out on transformer and found that the transformer winding has been damaged and transformer can't be repaired at site and it will take time to restore.

From 220 KV Okhla Sub Station, 33 KV BRPL feeders likes (Alaknanda Ckt, East of kailash ,Tughlaqabad, Nehru place, Balaji & Okhla phase -2) has frequently tripped due to line/cable fault and resulting to damagineg DTL equipments including Power Transformer at 220 KV Okhla Sub-station.

The 33 KV BRPL feeders (O/H & U/G) from 220 KV Okhla sub-station are very old and need for special attention, in maintenance & replacement of outlived Overhead line/underground cable to avoid the frequent trippings of line. The summer is coming in Delhi so that maintenance of lines (damage conductor/ jumper/ trimming of trees , removing of kite thread, replacement of damage insulators etc.) must be attend by BRPL before the summer season to avoid any unwanted outage/ tripping of 33 KV feeders .

It is also requested to BRPL, that DTL is going to commission 33 KV GIS substation in place of existing 33KV AIS sub-station at 220 KV Sub station Okhla and it will commission in 2-3 months. The BRPL is requested to take necessary arrangements like Cable/Line Termination Cable Trench, Installation of H-Pole etc. with in time and also replace the outlived/damaged overhead line/Cables on priority to avoid frequent tripping and any damage of GIS equipment in future.

OCC Deliberation:- OCC acknowledged the concern of O&M/Okhla and stated that unwanted trippings need to be avoided as ultimately it stresses the transformers being source. OCC advised BRPL to conduct patrolling/cleaning of the line on regular basis & also upgrade their system in planned manner. OCC further advised BRPL to explore the possibilities of converting the O/H conductor to U/G cables.

5. DTL Agenda:-Abnormal gases increase in 20MVA Tx-II at Sarita-Vihar.

20MVA, 66/11KV Power Transformer was commissioned in year 1991 at 220KV Sarita Vihar. Last major work on this transformer executed on 06.04.2017 wherein transformer was completely overhauling by the external agency. DGA conducted on dated 09.08.2016 indicate hydrogen gas level 270PPM. Whereas DGA conducted on dated 06.02.2017 indicate eventually rise of hydrogen gas at 1597PPM. Transformer was kept under observation and discussed in the DTL Transformer expert committee

On dated 16.07.2021 DGA hydrogen gas level identified greater than 7350 PPM and TDCG 7740 PPM. DGA again conducted on 18.09.2021 in report hydrogen identified greater than 5000 and TDCG 11620 .Internal inspections conducted on 21.10.2021 as recommended by Transformer expert committee in their minutes dated 30.09.2021.

During the internal inspection no anomaly was identified, hence transformer put in service on dated 25.10.2021 after extraction of gases through vacuum filtration.

On dated 01.11.2021 DGA report again indicates abnormal level of hydrogen gas i.e. 2131 PPM, in between DGA conducted several times .However on dated 07.02.2022 Transformer kept out of service when hydrogen & TDGC identified in DGA report dated 07.02.2022 greater than 5000 PPM & 42892 PPM respectively.

2x20MVA, 66/11KV Power Transformer installed at Sarita Vihar primarily cater load of Sarita vihar nearby area at 11KV level. Presently following feeders are emanating at 11KV from 220KV Sarita Vihar.

- | | | |
|---------------------|---------------------------|---------------------|
| 1. Sub-station 22 | 2. IOC | 3. Saurabh Vihar 01 |
| 4. Sub-station 21 | 5. Sewage Pumping station | 6. Jaidpur |
| 7. Saurabh Vihar 02 | 8. American Express | 9. Aali Village |

Both 20MVA Power Transformer installed at 220KV Sarita Vihar have been surpassed their useful life of 25 years. Augmentation of these Transformer with 25MVA Power is in consideration by planning .But till new Transformers are not installed, whatever arrangement for load shifting is to be done by BSES , in case one or both transformer kept out of service due to their unsatisfactory operation.

Alternatively BSES may allocate relatively new 20MVA Power Transformer on loan basis to DTL, till DTL scheme is not materialized.

In the past also DTL has shown its concern towards shifting of 11KV Load from DTL sub-station but situation remain the same till date.

OCC may deliberate the case in detail and make appropriate arrangement for the upcoming summer to meet the load of BSES 11KV feeders at 220KV Sarita Vihar.

OCC Deliberation:- O&M/Sarita Vihar apprised OCC that they have made all the efforts in recent past to control the rising trend of gases in the transformer. O&M/Sarita Vihar also stated that they will be initiating the process of revival/replacement of the transformer & the complete process of revival may take time.

After detailed deliberation, OCC advised BRPL to shift/manage load in this period & make the alternative arrangement to cater the load requirement till revival of this transformer. BRPL & O&M/DTL shall explore the possibilities to maintain the reliability of the system.

OCC also advised O&M/DTL to expedite the process of revival of the transformer.

6. SLDC Agenda:- High voltages and reactive power issues in Delhi power system

With onset of winter, High Voltages conditions have been faced in Delhi System. This is happening because of decrease in power demand in Delhi area. High voltage also causes stress on Transmission system equipments. It has been observed that during high voltage conditions Delhi injects reactive power to the grid resulting payment of heavy penalty to NRPC reactive account by Delhi. In 190th NRPC OCC Meeting held on 21.12.2021, it has been observed that generators are not absorbing reactive power as per their capability curve.

Following steps are in practice and discussed in previous OCC meetings to control the high voltage/ injection of reactive power .

- (i) Switching off the capacitors at all the Substations of Delhi.
- (ii) Transformer taps optimization by DTL and DISCOM.
- (iii) Monitoring of all 400/220KV ICTs and taking actions wherein VAR flows are observed from 220KV to 400KV side. In this respect reactive energy changes could also be monitored.
- (iv) Opening of lightly loaded transmission cables/transmission lines keeping reliability in focus.
- (v) Absorption of reactive power by all generating units as per its capability curve.

In 9th Delhi OCC, December-2021, high voltage & reactive power injection issue was deliberated and following corrective actions were advised:-

- i. Switching off the capacitors at all the Substations of Delhi.
- ii. Transformer tap optimization by DTL and DISCOM.
- iii. Monitoring of all 400/220KV ICTs and taking actions wherein VAR flows are observed from 220KV to 400KV side. In this respect reactive energy changes could also be monitored.
- iv. Opening of lightly loaded transmission cables/transmission lines keeping reliability in focus.
- v. All the generators are advised not to inject MVAR in grid and should absorb MVAR particularly during high voltage condition above 400KV to improve voltage profile of the grid as per their capability curve. The detail of MVAR generated /absorbed by each machine be intimated to SLDC for proper analysis.
- vi. DISCOMs/DMRC were requested to select the list of feeders for switching exercise to control reactive power injection. List of selected feeders to be shared with SLDC.
- vii. For switching of 220KV level double ckt U/G cables, OCC advised switching of U/G cable circuits on alternate basis to ensure the healthiness of both the ckts. DTL/O&M shall inform the SLDC if any U/G cable ckt switched off for more than a week.

In 10th Delhi OCC, January-2022, OCC advised DMRC, DTL & DISCOMs to explore all possibilities to control system voltage profile and reactive power injection in system from their respective ends.

OCC Deliberation:- OCC appreciated all the utilities for their commendable efforts in the winter season in maintaining the voltage profile and reactive power injection in the system. As the summer season has started, OCC decided to close this agenda.

7. BRPL Agenda:-Voltage issues on 11KV Bus bars at 220KV DTL Sub-stations.

Whenever DTL take shutdown of 33/11KV or 66/11KV I/C's, PTR's and 11KV Bus bar, PT measurand was unavailable due to PT selection issues and active power measurand becomes zero due to this.

This issue is happening very frequently at many DTL 220KV stations causing disturbance in power scheduling data and real time load forecast.

OCC Deliberation:-BRPL raised the issue of PT outages during the shutdown of transformers which affect the energy recording.

OCC stated that provision of PT selection is available at DTL sub-stations & advised BRPL to share the list of sub-stations where they are facing the issue. OCC advised O&M/DTL to rectify the issue at their end. DTL/Protection shall ensure the same.

8. BRPL Agenda:-High 11KV bus-bar voltage at 220KV Sub-stations.

In last two OCC meeting, chairman OCC advised DTL to reduce tap position of 66/11KV or 33/11KV PTR's at 220KV stations, but we are still receiving very high voltage at 11KV. Tap reduction at following stations are required to control very high 11KV voltage.

- | | | |
|----------------|---------------------|----------------------|
| 1. 220KV PPK-1 | 2. 220KV Lodhi Road | 3. 220KV Saritavihar |
| 4. 220KV VKJ | 5. 220KV Okhla | 6. 220KV NJF |

OCC Deliberation:-SLDC apprised OCC that tap position has already reduced as per the instruction of OCC at all sub-stations except 220kV Okhla which has a problem in tap selector.

9. NDMC Agenda:-Energization of 33KV Vidyut Bhawan & 33KV Shahjahan Road from 220KV Lodhi Road.

It is for your kind information that 33KV supply from 220KV DTL Lodhi Road to 33KV ESS Shahjahan Road & 33KV ESS Vidyut Bhawan is not available since 29/11/2021 due to flash over occurred in the HT Panel Room as informed by DTL System Control and somehow the fire could bust in panel room due to some loose connection in Cable End Termination of other DISCOMs not pertains to NDMC. With the result of fire, the dedicated Panel for NDMC the both Cable Ends of feeders had entangled into broken fire in the HT Panel Room during that night.

During inspection it has been found that only 05 Nos. feeders are outgoing in HT Panel and the supply is given to BRPL only and No such provision kept for NDMC Feeders whereas the NDMC feeders are prestigious as well as VVIP. During meeting with manager Lodhi Road DTL communicated that the proposal of replacement of panels is under consideration and will take considerable time for approval and in process of tendering for replacement of all burnt panels.

The matter had also been discussed in 10th OCC Meeting held on dated 28.01.2022 where it was requested to Chairman OCC for early energization of 02 Nos. feeders as mention above. It was

advised that NDMC to initiate to get repair of cable ends of both the feeders and there after OCC will decide for termination of cable in the presently available panels.

Since there is no such fault of NDMC in the broken fire took place in the HT Panel Room during that night but both the feeders has badly damaged and brutally burnt in above incident. Since fire broken out in HT Panel Room, it will cost a considerable expenditure in replacement of both Cable End Termination of NDMC feeders.

OCC may kindly informed the name of organisation who is going to bear the expenditure involved in replacement of new cable end termination of required make size and specification. However, NDMC is taking action at their end.

You are therefore requested to kindly look into the matter and take action at your end for getting both the 33KV supply energized from 220KV DTL Lodi Road to avoid any unwarranted situation in case of failure of other single source of GT Supply.

Kindly make provision for early energization of above mentioned VVIP area feeder on top priority.

OCC Deliberation:-O&M/DTL apprised OCC that two cable for Vidyut Bhawan is going from single panel at Lodhi Road. NDMC bifurcated the cables as Vidyut Bhawan & Shahjahan Road without the knowledge of DTL. OCC accepted the point of O&M/Lodhi Road & recognized that this is against the spirit of signed contractual agreement and this arrangement of cable termination is required permission from Steering committee as well as from the commercial department of DTL. OCC advised NDMC to schedule a meeting with GM(O&M-II) to address the issue & share the MOM with OCC. In the mean time, NDMC is advised to complete the cable end termination work of 33kV Vidyut Bhawan.

10. NDMC Agenda:-Planned Shutdowns of feeders feeding NDMC area should be kept on Saturday, Sunday or Gazetted holiday.

NDMC requested all concerned department to plan the shutdowns of feeders feeding NDMC area should be on Saurday/Sunday/or any holiday.

OCC Deliberation:-OCC stated that all concerned department already try to plan their shutdown on weekends/holidays as mentioned by NDMC on various occasions. To maintain the reliability and examining the criticality/nature of the work, shutdown is proposed by the department, sometime on real time basis & it is not feasible to kept the shutdown always on Saturday/Sunday/Holidays.

11. PGCIL Agenda:-Regarding hot line crossing work over DTL lines by newly constructed line of PGCIL: Construction of LILO of both Ckt of Bawana-Mandola 400 KV D/C line at Maharani Bagh.

PGCIL is entrusted with the work of construction of 4 nos. sub-stations and associated transmission lines by Ministry of Power, GOI, under Inter-state transmission system for strengthening of power situation in NCR. Accordingly, a loop in loop out line of 400kV D/C Mandola-Bawana line is being constructed from start point near village-pachra in UP to Maharani Bagh substation opposite Sarai Kale Khan ISBT Delhi.

The construction of LILO of Bawana-Mandola transmission line is in progress. The foundation and tower erection work across 1). 220KV D/C Mandola-Gopalpur line 2). 220KV D/C Madola-Narela line and 3). 400KV D/C Mandola-Bawana line have been completed. PGCIL is planning to do stringing work over above mentioned transmission line of DTL from 15.02.2022 by hotline method.

OCC Deliberation:- OCC stated that shutdown request is not intelligible & required clarification about the work and specific Ckts. Representative of PGCIL was absent in the meeting. OCC advised PGCIL to put up the agenda through concerned O&M/DTL.

12. Long/recent Outage/breakdown of elements in Delhi power system.

Members may update the latest status of following Long/Recent Outage/Breakdowns of elements in the Delhi Power system as under:

S. no.	Element's Name	Utility	Date of outage	Status of outage as on 22.02.2022
1.	220KV PEERAGARHI - 33KV A-4 PASCHIM VIHAR CKT.	BRPL	10.07.21	'Y' PH. SINGLE CABLE CONNECTOR FAULTY. Shutdown of 33kV busbar is planned at 220kV Peeragarhi from 02.03.22 to 04.03.22 to attend the breaker issue by M/s Schneider. Expected by 07.03.22.
2.	220KV OKHLA - 33KV EAST OF KAILASH CKT.	BRPL	25.08.21	'R' PH. SINGLE CABLE FAULTY. Expected by 10.03.22.
4.	220KV IP -BAY 09 EXHIBITION CKT-II	BRPL	20.01.22	R' PH. SINGLE CABLE FAULTY. Energized on 16.02.22.
5.	220KV TRAUMA CENTER- 33KV AIIMS CKT	BRPL	29.01.22	UNDER BREAKDOWN. Expected by 01.03.22.
6.	220KV PPK-II- 66KV HASTAL CKT-I	BRPL	09.02.22	'B' PH. SINGLE CABLE FAULTY. Energized on 19.02.22.
7.	220KV GEETA COLONY- 33KV SHAKARPUR CKT	BYPL	10.02.22	'R' PH. SINGLE CABLE FAULTY. Expected by 28.02.22.

S. no.	Element's Name	Utility	Date of outage	Status of outage as on 22.02.2022
8.	220KV PARK STREET - 66KV DMRC CKT.-I&-II	DMRC	19.10.21	SHUT DOWN FOR GRID SHIFTING WORK AT DMRC END. Expected by March-2022.
9.	400KV BAWANA, 315MVA ICT-II	DTL	30.03.21	315MVA ICT-II CAUGHT FIRE AND DAMAGED. Expected by March-22.
10.	AT PEERAGARHI: - 220/33KV 100MVA TRF.-I	DTL	10.07.21	TRIPPED ON DIFFERENTIAL. TX FAULTY. Expected by April-22.
11.	220KV LODHI ROAD - 33 KV VIDYUT BHAWAN, JLN STADIUM FEEDERS	DTL	29.11.21	AFFECTED DUE TO BOTH 33KV BUSES DEAD BECAUSE OF FIRE IN 33KV GIS. NDMC is advised to complete the cable end termination work of 33kV Vidyut Bhawan.
12.	AT MUNDKA: 315MVA ICT – IV	DTL	13.11.21	TRIPPED ON BUCHLOZ RELAY. 'R' PH. WINDING DAMAGED. Expected by 15.04.22.
13.	AT MEHRAULI: 20MVA PR.TR.-II	DTL	01.01.22	SHUT DOWN FOR OVERHAULING OF TRANSFORMER. Expected by 28.02.22.
14.	220KV MASJID MOTH-MAHARANI BAGH CKT-I	DTL	28.01.22	CB PROBLEM AT MAHARANI BAGH END. Expected by 15.04.22.
15.	220KV TRAUMA CENTER-33KV BHIKAJI KAMA PLACE	DTL	03.02.22	'R' PHASE PT DAMAGED. Expected by March-22.
16.	220KV OKHLA- 100 MVA-IV	DTL	03.02.22	TRIPPED ON DIFFERENTIAL. The process of shifting of one Tx from PPK-I has started.
17.	220KV SARITA VIHAR-20MVA TX-II	DTL	07.02.22	MADE OFF DUE TO HIGH CONTENT OF HYDROGEN GAS. O&M/Sarita Vihar stated that they will be initiating the process of revival/replacement of the transformer & the complete process of revival may take time .

ON TABLE AGENDA

1. DTL Agenda:- Regarding loading of 400kV Bamnauli-Jhatikara Ckt-II & 400kV Bamnauli-Dwarka Ckt in equal proportion.

400 kV Bamnauli-Jhatikara Ckt No.1 & 2 are very important lines which feed to most of the west & south region of National Capital Territory of Delhi including IGI Airport, DMRC, etc. On dated 07.02.2022 Loop in loop out (LILO) of 400 kV Bamnauli-Jhatikara Ckt No-1 was completed at 400kV Dwarka substation (PGCIL). Last year Peak load for Bamnauli- Jhatikara Ckt No.1 was 1180 MW on 10.06.21 and peak load for Bamnauli- Jhatikara ckt No.2 was 962 MW on 04.06.202 whereas 800 MW was catered by each circuit regularly during last year. Present load condition of 400kV Bamnauli Jhatikara Ckt No.2 and Bamnauli Dwarka Ckt is as under

Date	Peak Load of Bamnauli Jhatikara Ckt No.2 in MW	Peak Load of Bamnauli Dwarka Ckt in MW
08.02.21	508	96
09.02.21	506	78
10.02.21	508	98
11.02.21	564	94
12.02.21	536	106
13.02.21	488	94
14.02.21	506	100
15.02.21	504	120
16.02.21	568	134
17.02.21	506	124

It can be observed from the table that at present load on 400 kV Bamnauli- Jhatikara Ckt No.-2 five times more than that of 400 kV Bamnauli –Dwarka. The load conditions may get worse in the summers as the approximately total load catered by the both 400 kV Bamnauli- Jhatikara Ckt No.-1 & 2 circuits is 1800 MW during summer peak load conditions.

At the outset of coming summers it can be apprehended that the load at 400 kV Bamnauli- Jhatikara Ckt No.-2 may reached approximately 1400 MW during summer peak load causing unnecessary stress on one 400 kV circuit due to overloading whereas 400 kV Bamnauli Dwarka remains under loaded. The situation may get worse in case of an outage of any 400 kV Ballabgarh- Tughlakabad circuits.

In view of above the OCC is requested to request the Delhi SLDC, PGCIL and NRLDC to devise the methodology for loading of the 400 kV 400 kV Bamnauli- Jhatikara Ckt No.-2 and 400 kV Bamnauli-Dwarka in equal proportion.

OCC Deliberation:-After detailed deliberation between the members of DTL & SLDC, OCC acknowledged the concern raised by O&M/Bamnauli & advised SLDC that load of 220kV Naraina, 220kV PPK-III & 220kV PPK-I may be diverted to Dwarka Sub-station to

test the Ckts before upcoming summer season . OCC also stated that SLDC shall study/analyse the load flow at 400kV level.

2. DTL Agenda:- Regarding Emergency shutdown of all 33kV switchgear panel at 220kV Subzi Mandi.

DTL requested shutdown of all 33kV switchgear panel at 220 kV Subzi Mandi as below:-

S. No	Name of Sub-Station	Shutdown Period	Name of Elements	Work to be carried	Remarks
1	220kV Subzi Mandi	10.03.22 to 17.03.22	All 33kV Switchgear panel	Repairing of faulty 33 kV Incomer no-2. Evacuation & filling of gases, repairing of faulty equipments, monitoring and testing of panel.	TPDDL is requested to kindly shift the all load from subzi mandis/stn and managed at their end.

O&M/Subzi Mandi requested to provide complete shutdown of 07 days on all 33kV switchgear panels Board (Both Bus) for repairing of faulty 33kV Incomer-II in view of maintaining the redundancy/reliability at 33kV level for 220kV Subzi Mandi. OCC requested TPDDL to explore the possibilities for shifting of the load for the above said period so that repairing of 33kV Incomer –II can be carried out for meeting the load of summer 2022. TPDDL apprised OCC that Subzi Mandi is very critical and important grid in that belt & load management is not possible for such a long period. After detailed deliberation, OCC deferred the shutdown as TPDDL showed its helplessness to manage the load. OCC advised O&M/Subzi Mandi to again put up the shutdown in the upcoming lean period of 2022.

The meeting ended with thanks to the Chair.
