



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

No. F.DTL/2020-21/DGM(OS)/F-/13

Date:-08.07.2020

To,
All Members of Operation Co-ordination committee

DTL	General Manager (O&M)-I, Chairman OCC General Manager (O&M)-II General Manager (P&M, DM&S) General Manager (Planning) DGM (O&M) - North, East, West, South DGM (M/P) DGM (Plg.)	
SLDC	ED (SLDC) DGM (SO)	
TPDDL	HOD (PSC &AM), Sr. Manager (PSC)	
BRPL	AVP (SO)	
BYPL	AVP (SO)	
NDMC	Superintending Engineer	
IPGCL	AGM (T) Opr. GTPS	
PPCL	AGM (T) Opr.PPS-I AGM (T) Opr. PPS-III	
MES	AEE/M.SLDC Officer	
BBMB	Sr. Executive Engineer, O&M	
DMRC	Addl. GM (Elect.)/ Sr.DGM (Traction)	
GMR(DIAL)	GM(DIAL)	Special Invitee
N. Railways	Sr. DEE (TRD)	Special Invitee

Sub: MOM of 02nd Delhi OCC Meeting (2020-21) held on 29.06.2020 (Monday) at 11:00 A.M. through video conferencing.

Dear sir/madam,

Enclosed please find herewith the minutes of 02nd Delhi OCC meeting (2020-21) held on dt.-**29.06.2020 (Monday), 11:00 A.M. This meeting was conducted through video conferencing.**

The same is also available on DTL website, www.dtl.gov.in under the tab “News and Information”-OCC Meeting.

Thanking You.

Yours Sincerely,
sd/-
(Hitesh Kumar)
DGM(OS)

Copy for favour of kind information to:

- (i)Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-17
- (ii)CMD, DTL
- (iii)Director (Operations), DTL

DGM(OS)

MOM FOR DELHI OCC MEETING NO. 02/2020-21

Date : 29.06.2020
Time : 11:00 AM
Venue : Via Video conferencing
In O/o-GM(O&M)-I, Delhi Transco Ltd.,
220 kV Sub-Stn Park Street,
Opp. Talkatora Stadium, Near R.M.L. Hospital,
New Delhi-110001

Chairman, OCC welcomed all OCC members & praised their all efforts to maintain the uninterrupted power supply in Delhi network during ongoing summer season. Further, OCC requested to all members for their readiness to successfully achieve the upcoming peak demand of Delhi network in July-2020 month.

Review of Grid operations of May-2020

In comparison with May-2019 power demand, in May-2020 there was negative variation in the peak demand 5464MW (-15.43%) & total energy consumption in May month is 2522.628MUs (-25.05%) in Delhi System. This variation is largely due to restrictions imposed by statewide lockdown due to pandemic of COVID-19.

Planning of Grid operation for July-2020

SLDC Delhi informed that, in July 2020 anticipated peak demand is 6600MW and expected availability is 7231MW (Surplus +6310MW). Anticipated maximum energy requirement for a day is 105MUs and expected availability is 164MUs (Surplus +59MUs).

1. CONFIRMATION OF MINUTES:

The 01st Delhi OCC meeting (2020-21) was held on 29.05.2020 in accordance with the agenda circulated vide letter dt: 26.05.2020. Minutes of the aforesaid OCC meeting were issued on 08.06.2020 and uploaded on DTL website.

No comments on the minutes were received from any member, OCC confirmed the minutes of 01st OCC meeting of 2020-21.

2. DTL AGENDA:

2.1 Proposed planned shutdowns of O&M, DTL for the month of July-2020.

DTL O&M deptt. proposed planned shutdowns for the month of July-2020.

i) After detailed discussion with members, OCC approved planned shutdowns subject to real time conditions & advance consent of respective DISCOMs.

ii) SLDC anticipated peak load in Delhi network during 1st fortnight of July month. In view of this, all the shutdowns planned for more than 01 day deferred for lean period (Aug-Sept. month).

iii) SLDC proposed to allow shutdowns during lean hours (05:00AM to 10:00AM).

2.2 Shutdown of 220kV Bamnauli-DIAL Ckt-I & II for implementation of Dwarka Expressway from Dwarka Sector-21 to Delhi-Haryana Border.

(Shifting/Raising of 220kV lines of DTL, located across ROW of Dwarka Expressway in Delhi.)

NHAI requested that Package-II of Dwarka Expressway is under fast execution with strict deadlines. It was informed that piling works for package-II of Dwarka Expressway is undergoing. The estimate has recently been approved by DTL on 22.05.2020.

04 no. of piers fall beneath 220kV Bamnauli-DIAL O/H transmission line of DTL at Sec-26, Dwarka near Bharthal village and height of a portion of this line is to be raised/relocated. Presently NHAI has to carry out piling work in the right of way of above referred line and shut down is required for safety purpose.

Sr. No	Name of the Element	Date of Shutdown	Date of Restoration
1	220kV Bamnauli-DIAL Ckt-I & II	01.07.2020	06.07.2020

During deliberation, SLDC submitted that the load demand in Delhi network is increasing gradually & peak demand is expected in July month. It is not feasible to provide the above, long & continuous shutdown as DIAL S/Stn. mainly feeds Indira Gandhi International Airport, Delhi.

OCC deferred this shutdown till 1st week of August and shall be reviewed in next OCC meeting.

3. PPCL AGENDA:

3.1. Frequent tripping at Pragati Power Station-I.

PPCL informed that following tripping in the system caused outage of their units,

Unit No	Date of Tripping	Time	Remarks
STG	10.06.2020	15:57 Hrs	220kV Bus-I Voltage collapsed
STG & GT2	22.05.2020	11:56Hrs	220kV Bus-I Collapsed/Black out

PPCL requested that System operation SLDC and DTL may look into the matter regarding frequent tripping and precautions be taken to avoid such occurrence in future. The tripping on machines running at full load at PPS-I may cause adverse impact on the health of machines.

DTL informed that,

(i) On 10.06.2020 at 15:57Hrs during stormy weather, which is a natural phenomena during summer, there was major load fluctuation & disturbance in Delhi network due to failure of 400kV Maharani Bagh-Dadri & Ballabgarh Ckts. This led to cascading tripping and load collapsed at multiple substations including 220kV Bus at Pragati.

(ii) On 22.05.2020 the load at 220kV Bus-I at 220kV Pragati S/Stn. collapsed during tripping incident at 220kV Patprganj S/Stn.

OCC advised to DTL to share the tripping details of above incidents with PPCL for concerned reference. OCC requested to PPCL to take precautionary measures / corrective actions to avoid unwarranted tripping of STG & GT.

(Action by PPCL & DTL)

4. SLDC AGENDA:

4.1. Implementation of Automatic Demand Management Scheme by Discoms.

Refer S.No. 2.2 of 20th GCC MoM wherein NDMC had informed that their software for ADMS has been upgraded and under testing and work is linked with the IPDS project, for which efforts shall be made to complete at the earliest.

NDMC has informed in 10th OCC meeting (2019-20), Jan-2020 that the works related to ADMS are under process and expected to be completed by 31.03.2020.

NDMC informed that works related ADMS are still under progress and expected to be completed by the end of Sep-2020.

(Action by NDMC)

4.2. Survival of Local Island at GTPS/ Pragati.

During 20th GCC meeting as per MoM at S.No. 2.4 (9.12) following was discussed:-

“BYPL representative raised the issue of survival and subsequent synchronizing of local islanding at GT/ Pragati.

GCC advised DTL to carry out a joint visit with Discoms and IPGCL/ PPCL to analyze the requirements for sustaining Local Island at GT station”. -

The matter was deliberated in the 12th (2018-19) Delhi OCC meeting held on 28.03.2019 and a committee comprising of following members was constituted for carrying out the above desired work at Pragati:-

- (i) Sh. Satyendra Prakash, AGM(Elect./C&I), PPS-I, PPCL.
- (ii) Sh. Hitesh Kumar, DGM(OS), DTL.
- (iii) Sh. B.L. Gujar, DGM (Prot.), DTL.
- (iv) Sh. Deepak Kumar, AM(T)-Pragati, DTL.

It was also discussed that, said island got created due to outage of lines and survived for several minutes but while synchronizing with the grid, the necessary conditions for synchronization was not achieved & this scheme suggested by above committee was proposed for synchronization of such islands with grid.

In 11th Delhi OCC meeting (Feb-2020), DTL/PPCL representative informed that the wiring related works to provide switching control to PPCL is under progress. It is expected to complete by 31.03.2020.

Committee updated that, the pending wiring related works could not be materialized due to unavailability of control cables. The cables have been procured & expected to be available by first week of July 2020. Hence, the pending works will be executed by/ before 31.07.2020.

(Action by DTL/PPCL)

4.3 Submission of break up energy consumption by the state.

In 172th NRPC OCC meeting all SLDCs were requested to provide the break up energy consumption by the state by segregating the same from the billed data from DISCOMs from April 2018 to April 2020 in the format as prescribed below.

Category	Consumption by Domestic load	Consumption by Commercial load	Consumption by Agricultural load	Consumption by Industrial load	Traction supply load	Miscellaneous /Others
Month						

SLDC informed that no information has been received from NDMC. TPDDL & MES have submitted the data up to Dec-2019 whereas BRPL and BYPL have submitted the data upto April-2020.

OCC requested to TPDDL, NDMC and MES to provide the data to SLDC in prescribed format up to April-2020.

(Action by TPDDL, NDMC and MES)

4.4. Landline connectivity of CCGT Bawana S/stn.

SLDC submitted that Officials working in Real time System Operation raised the concern that landline communication with CCGT Bawana does not establish most often and it affects smooth real time operation.

CCGT Bawana is requested to look into the issue and resolve it at earliest.

SLDC shown its concern in establishing the communication with CCGT Bawana S/Stn and because of that many operational issues were faced recently.

In this regard, CCGT Bawana updated that due to frequent problem in the existing landline communication they are switching over to AIRTEL broadband cum Landline connections.

The works are still in progress & expected to be completed within a week.

(Action by CCGT Bawana)

5. 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 Delhi Power system as under:

S.N	Element's Name	Discom/DTL	Date and Time of outage	Status of outage as on 30.06.2020
1.	66kV PARK STREET – RIDGE VALLEY CKT.-I	BRPL	01.06.2019	'Y' PH. CABLE FAULTY. BRPL informed that this cable is outlived and contains multiple faults in this cable. OCC advised BRPL to expedite to revive this faulty feeder. In last OCC, It was expected to be charged by 15.06.2020. BRPL updated that it has been charged on 26.06.2020
2.	33kV RIDGE VALLEY - KHEBAR LANE CKT.-II	BRPL	01.06.2019	CABLE FAULTY. BRPL informed that the agenda related to handover this ckt to MES to be put up before Steering Committee. No progress yet by MES. OCC expressed its concern over long outage and advised BRPL to pursue with MES to revive this ckt.
3.	315 MVA ICT-II at MUNDKA	DTL	29.09.2019	A 400/220kV 315MVA BHEL make ICT was arranged from Mandola & charged on 19.05.20. In 5-6 minutes, it tripped with damage in OLTC. Repairing is under process and it will take 2-3 months. OLTC is expected to be available by 1st week of July and ICT is likely to be charged by 15.08.2020.
4.	220kV Peeragarhi - Mundka Ckt-II AT PEERAGARHI	DTL	25.02.2020	Cable damaged at construction site of bridge on Nangloi drain by PWD. The restoration works very affected by rain & water logging. DTL updated the status as it has been charged on 29.06.2020.
5.	SARITA VIHAR - 220/66kV 100MVA PR.TR.-I	DTL	20.01.2020	Shutdown for dismantling and augmentation of Tx replacement with 160MVA Pr. Tx. DTL update that it has been charged on 24.06.2020.
6.	220/66kV 160MVA PR.TR.-II AT R.K. PURAM	DTL	06.03.2020	Tx tripped on Buchholz & found faulty. Transformer already sent to workshop for repairing and it will take about 2-3 months. Expected by 31.08.2020.
7.	220/66kV 160MVA PR.TR.-I AT SANJAY GANDHI TN	DTL	20.06.2020	Shut down due to reduced gas pressure in NIFPS. This has been energized on 22.06.2020.

P.T.O

Additional Agenda

1. DTL Agenda

1.1 Joint Checking of Overhead Power Line crossings with railway representatives. (Northern Railways)

Delhi power system also consists of overhead power lines which are crossing electrified Railway traction lines at many places. The possibility of snapping of overhead line conductors and causing interruption in railway services cannot be ruled out. A joint survey for listing the defects and attending of overhead Power Line crossing over electrified railway track is required to be carried out regularly with railways representatives and concerned power utilities of Delhi area.

Earlier, the practice of joint survey of the segment of overhead line crossing over electrified railway track was followed by railways representatives and concerned power utilities of Delhi area.

During Dec-2016 to March-2017, joint inspections of power lines in Railways corridors were carried out by DTL & DISCOMs along with Railways representatives in respective areas.

Since a long time, this practice is not being followed. In order to ensure the healthiness of the segment of overhead Power Line crossing over electrified railway track, joint survey is required to be carried out regularly with railways representatives and concerned power utilities of Delhi area.

During this nationwide lockdown, as of now the train services in Northern Railways are not fully operational. It is expected, during unlock down the train services are going to resume up to its full strength in upcoming days. Hence, the shutdown activities on power lines can be carried out if required.

DTL requested to Northern Railways to carry out joint inspection of power lines in above corridors along with concerned Power utilities on regular basis.

In this regard, Northern railways shared the details of supervisor team for survey which are enclosed.

OCC suggested all utilities to conduct the survey in 1st fortnight of July-2020 and advise DISCOMs, DTL & Railways to conduct joint survey of the power lines in a timeline manner on regular basis.

(Action by Railways, DTL & DISCOMs)

1.2 Status of Current Differential Protection in DISCOM feeders/ Ckts.

DTL submitted that, incidences have been reported when fault current of DISCOM feeder sustained for the longer duration in the system due to failure of primary protection in feeders in the absence of current differential protection and mismatching of protection setting which resulted into tripping of 220kV transmission element and resulted in long duration outages.

OCC requested DTL & DISCOMs to take appropriate actions to avoid unwanted outage/trippings in this regard.

Further, OCC advised the DISCOMs to ensure providing line current differential relays on all 66kV & 33kV feeders as decided in GCC & protection sub-committee meetings. As regards protection coordination, the matter may be taken up in the protection subcommittee meeting.

(Action by DISCOMs and DTL)

1.3 Sharing of Fault details by DISCOMs field staff.

As per DTL, the field staff of DISCOMs doesn't share the fault data and fault findings to the Operation staff at the substation of DTL.

DISCOMs may please be requested to direct their field staff to share the tripping details and fault findings with DTL Operation staff so that realistic fault analysis can be carried out and suitable action can be taken with mutual discussion to improve transmission & Sub-transmission power reliability.

DTL reported few incidents where actual information of trippings & shut down is not being shared to O&M staff by DISCOMs. OCC advised DISCOMs to share the information with O&M/DTL to maintain the transparency in the system analysis of faults in totality.

(Action by DISCOMs)

On Table Agenda

1.DTL Agenda

1.1 To reduce the load at 220kV Najafgarh sub-station

DTL submitted that constant overloading is being observed at 220 kV Najafgarh during night hours when load becomes more than 350 MW which is more than the rated capacity of 66 kV bus bar. Though the 02 nos. 100MVA 220/66kV Tx capacity has been augmented to 160MVA but 66kV bus bar is yet to be augmented with quad zebra busbar.

220kV Najafgarh is one of the oldest grid Substation of DTL, there are higher chances of breakdown at such high loading conditions as associated 220kV transmission lines are also being overloaded.

To avoid any unwanted outage /breakdown at 220kV NJF, DTL requested to SLDC & BRPL to arrange & shift load upto 40-50 MW to nearby grid Papankalan-1 & 2, and Tikri Kalan where sufficient margin exists.

DTL pointed out feeders from which load can be shifted are G-5, Nangloi Ckt, Jafarpur Ckts.

At 220kV NJF: 28.06.2020 23:20Hrs	Maharanibagh	0	637	-60	225
	Mandaula	1	1196	0	401
	Masjid Moth	1	139	7	222
	Mehrauli	1	227	-1	222
	Mundka	1	211	-9	403
	Najafgarh	1	357	61	214
	Naraina	1	164	5	221
	Narela	1	149	-12	217
	Okhla	1	190	-6	221
	Papankalan-1	1	311	0	215
	Papankalan-2	1	294	20	220
	Papankalan-3	1	166	6	218

After detailed deliberation, OCC advised SLDC & BRPL to explore the possibilities to shift the load from Najafgarh to avoid unwanted tripping/ outages. BRPL was further advised to look into the frequent failure of 66kV Mundka-Nangloi Circuit and take appropriate action for system reliability.

(Action by SLDC, BRPL & DTL)

1.2 Shut downs of multiple transmission lines to carry out HTLS re-conductoring works.

Sr. No	Name of Ckts	Shut down period	Remarks
1	220kV SOW-Mandola Ckt-I &II	15.07.2020-14.08.2020	HTLS Reconductoring work
2	220kV Bawana-Shalimar Bagh Ckt-I & II	15.07.2020-14.08.2020	HTLS Reconductoring work

DTL proposed planned shutdown for HTLS re-conductoring works in 220kV SOW-Mandola and 220kV Bawana-Shalimar corridors.

After deliberation with members, OCC deferred the above shutdowns to August month due to increasing load demand in Delhi system & expected peak load and this shutdown shall be reviewed in next OCC meeting.

2. TPDDL Agenda

2.1 Status of communication b/w TPDDL & SLDC control Room.

TPDDL submitted that, please refer OCC meeting May-2020 agenda point no. 4.2 wherein: SLDC proposed an interim solution and suggested that Trunk set can be provided to all utilities for communication with SLDC control room till VHF license is renewed. TPDDL requested, regarding this interim solution for communication with SLDC control room it is requested to provide the current progress & status.

OCC was apprised by SLDC that SLDC communication deptt. updated that the works related to Trunk sets are under progress & expected to be completed within 01 month.

(Action by SLDC)

2.2 Status of DTL Circuit breakers of 66kV /33kV Feeders and Transformer Incomers

TPDDL requested that, please refer OCC meeting May-2020 Table agenda point no. 2.2 wherein: DTL agreed to provide the status of circuit breakers of DISCOMs feeders. Further, OCC requested DTL to explore the possibilities with SLDC communication department regarding status of DISCOM feeder's circuit breakers.

After detailed deliberation, OCC requested TPDDL to take up the matter separately with DTL for further examining the issue. They may write to GM(O&M)-I DTL with detailed proposal indicating necessity as CVT at their end indicate the status at their end also. OCC may be apprised accordingly on the decision taken therein.

(Action by TPDDL & DTL)

3. BRPL Agenda

Frequent disturbances in 220kV Sarita Vihar – BTPS ckts

BRPL submitted that there been few tripping incidents in 220kV BTPS-Sarita Vihar Ckts during last fortnight. BRPL requested to avoid outages in this area.

DTL informed that during last fortnight few tripping occurred in BTPS-Sarita Vihar Ckts due to heavy stormy & rainy weather conditions. DTL submitted that the precautionary actions have been taken to avoid the unwanted outage/ trippings in this section. Apart from this, for

capacity enhancement & to maintain the reliability of system 01 no. 160MVA Tx is augmented at 220kV Sarita Vihar on 24.06.2020.

OCC requested to DISCOMs, DTL & SLDC to take special measures to maintain the uninterrupted power supply in COVID centre related areas. Advance consent of DISCOMs may be taken for shutdown in COVID centre related areas.
