



DELHI TRANSCO LIMITED

(A Govt. of NCT of Delhi Undertaking)

Office of Mgr(T)-OS

108, 1st Floor, 220 kV Sub-Stn Park Street, Opp. Talkatora Stadium,
Near R.M.L. Hospital, New Delhi-110001

No. F.DTL/2020-21/Mgr.(OS)-II/07

Date:22.07.2020

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: Agenda for 03rd Delhi OCC Meeting (2020-21) to be held on 24.07.2020 (Friday) at 11:00 A.M. through video conferencing.

Dear sir/madam,

The 03rd Delhi OCC meeting (2020-21) is scheduled to be held on dt.- **24.07.2020 (Friday), 11:00 A.M.** and will be conducted through video conferencing as per attached agenda. **The link and password for joining the meeting is attached in mail.**

Members are hereby requested to make it convenient to attend the meeting via **video conferencing**.

Thanking You.

Sincerely yours,

sd/-
(Bharat Tiwari)
Mgr.(T)- OS,DTL

DELHI TRANSCO LIMITED

(Regd. Office: Shakti Sadan, Kotla Road, New Delhi-110002)

AGENDA FOR DELHI OCC MEETING NO. 03/2020-21

Date : **24.07.2020**
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

1. Confirmation of minutes of 02nd Delhi OCC meeting (2020-21) held on dated 29.06.2020.

The 02nd Delhi OCC meeting (2020-21) was held on 29.06.2020 through video conferencing in accordance with the agenda circulated vide letter dt: 23.06.2020. Minutes of the aforesaid OCC meeting were issued on 08.07.2020 and the same was also uploaded on DTL website.

No comments have been received on the minutes from any utility.

OCC may kindly deliberate & confirm the minutes.

2. Updation of communication details of nominated members of OCC.

As per Delhi GCC Rules 2008 (Conduct of Business) clause no-17.2, OCC shall be represented by the representatives of the constituent members of Delhi Power Sector. The nominated representative shall be at the level of Superintending Engineer / Dy. G.M. or equivalent level. Accordingly, all Delhi OCC members nominated their representatives to participate in monthly OCC meeting.

However, the details of nominated representatives not updated from long time. Therefore, it is requested to all members to update the latest details of nominated representative for attending OCC meetings as per below format.

Name of Utility	Designation	Name of Officer	Mob. No.	Email	Corresponding office address

3. DTL AGENDA:

3.1 Proposed planned shutdowns of O&M, DTL for the month of August-2020.

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

(OCC may deliberate)

3.2 Phase reversal of LT supply issue at 400kV Bawana Sub-Station.

There are 02 Nos. of 11kV source provided by TPDDL namely Bawana-06 & Bawana-07 to feed all the local load of 400KV sub-station Bawana including all switchyard, fire fighting, 315MVA ICT accessories etc.

On dated 10.07.2020, TPDDL back fed the 11kV Bawana-07 source through an interconnector without informing the same to DTL due to which the phase sequence of the 11kV Bawana-07 got changed and complete LT supply inside the sub-station got reversed and resulted in tripping of various equipments like battery chargers, AC plant etc. along with causing disturbance in the functioning of associated auxiliaries like reversal of fans direction etc.

The supply has therefore got normalized by shifting LT load on Bawana-06 feeder in exigency. On repeated requests, phase sequence at 11KV Bawana-07 normalized on dated 13.07.20. It came into notice that similar issue has also been occurred in past times. M/s TPDDL has been requested to maintain phase sequence during shifting / back-feeding of any source feeding 400Kv sub-station DTL Bawana local supply.

In view of above, DTL requested that this issue should be deliberated in OCC with DISCOMs to avoid any reoccurrence of similar incidence in the wake of any unwanted tripping or feeder outage.

(OCC may deliberate)

3.3 Emanating of 02 nos. 66kV TPDDL feeders from 220kV Shalimar Bagh Substation.

It is hereby submitted that as per the requirement of TPDDL 02 nos of 66kV bays were commissioned at 220kV Shalimar Bagh in the month of April 2019. As per the MOM of steering committee these 02 nos. 66kV bays from 220 KV SMB has to be terminated at 66 kV RG-3 Substation of TPDDL but till date no work has been started by TPDDL and these bays are lying idle from the time of installation.

In present scenario to maintain 24x7 uninterrupted supply, the interconnected distribution system should be such that during an outage at EHV network the load should be managed from other substation of DTL keeping the transmission network unstressed.

In view of above, DTL requested that this issue should be deliberated in OCC with M/s TPDDL so that investment made by the DTL can be utilized and Distribution network at 66 KV Level may be strengthened.

(OCC may deliberate)

3.4 Shut downs of Transmission lines to carry out HTLS reconductoring works.

Sr. No	Name of Ckts	Shut down period	Remarks
1	220kV SOW-Mandola Ckt-I & -II	16.08.2020-15.09.2020	HTLS Reconductoring work
2	220kV Bawana-Shalimar Bagh Ckt-I & -II	16.08.2020-15.09.2020	HTLS Reconductoring work

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

In last OCC, the above shutdowns was deferred to August month due to increasing load demand in Delhi system & expected peak load and the availability of above shutdown to be reviewed in this OCC meeting.

(OCC may deliberate)

3.5 Request for shutdown of 400kV D/C Bamnauli-Tughlakabad Ckts

NHAI is implementing the flagship project of Dwarka Expressway (NH-248BB). For its construction, the 400kV HT lines owned by DTL need to be shifted. This work is being carried out under supervision of PGCIL.

As part of erection of towers for subject shifting, following shutdown is required.

Sr. No	Name of Ckts	Shut down period	Remarks
1	400kV Bamnauli-Tughlakabad Ckt –I & -II	26.08.2020-25.09.2020	Tower shifting works

(OCC may deliberate)

4. SLDC AGENDA:

4.1. 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.

In 02nd Delhi OCC meeting (June-2020), DTL/PPCL representative informed that the cables have been procured & expected to be available by first week of July 2020. It is expected to complete by 31.07.2020.

DTL/PPCL may update the latest progress on work carried out.

(Committee may update please)

4.2 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						

BRPL, BYPL, TPDDL & MES have submitted the data upto April 2020 whereas NDMC has not provided any information.

It is requested to all the utilities to give the desired information on regular basis.

(NDMC may update please)

4.3 List of Delhi feeders for Demand regulation by NRLDC.

In 172nd NRPC OCC meeting NRLDC has asked the updation of list of feeders for demand regulation. Hon'ble CERC in its order in petition number 125/MP/2012 also directed to have the list of radial feeders which can be opened on the direction of NRLDC to regulate the demand. The attributes of such feeders are

- 1). Feeder shall radial in nature.
- 2). Feeder shall have substantial load flow so that effective change can be experienced on opening of such lines.

Till date the following feeders are in the records of NRLDC for physical regulation.

Feeders for physical regulation of supply in Delhi				
S.No.	Transmission elements to be opened	Power supply interruption in	Approx. Relief (MW)	Remarks
1	220KV Mundka- Peeragarhi ckt 1 & 2	Peeragarhi	150-300	Peeragarhi caters load of Wazirpur.
2	220KV BTPS- Okhla 1 & 2	Okhla	100-150	
3	33kv Delhi ckt 1,2,3 & 4 feeders from Rohtak road (BBMB)	Rohtak road	20-30	
4.	220KV Maharani Bagh- Lodhi Road D/C	Lodhi road	250-300	Reliability of VIP load from Lodhi road may be affected
5	220KV Maharani Bagh - Masjid Moth D/C	Masjid Moth		

The some of the feeders are not Radial in nature due to change in system configuration. SLDC is of the view to review the above feeders for physical regulation.

The following list is of 220kV Radial feeders in DTL system which can be considered for physical regulation.

S. No.	Name of the element	Peak load (7409MW) 2019-20
1	220kV BAMNAULI - PAPPANKALAN-II CKT-I	136
2	220kV BAMNAULI - PAPPANKALAN-II CKT-II	138
3	220kV BAWANA - ROHINI-II CKT-I	85
4	220kV BAWANA - ROHINI-II CKT-II	83
5	220kV GOPALPUR - MANDOLA CKT-I	122
6	220kV GOPALPUR - MANDOLA CKT-II	131
7	220kV GOPALPUR - SUBZI MANDI CKT-I	83
8	220kV GOPALPUR - SUBZI MANDI CKT-II	71
9	220 kV I.P.- RPH CKT-I	27
10	220 kV I.P.- RPH CKT-II	27
11	220kV MAHARANI BAGH - ELECTRIC LANE CKT-I	26
12	220kV MAHARANI BAGH - ELECTRIC LANE CKT-II	39
13	220kV MAHARANI BAGH - LODHI ROAD CKT-I	72
14	220kV MAHARANI BAGH - LODHI ROAD CKT-II	102
15	220kV MAHARANI BAGH - MASJID MOTH CKT-I	82
16	220kV MAHARANI BAGH - MASJID MOTH CKT-II	82
17	220kV MEHRAULI - VASANT KUNJ CKT-I	123
18	220kV MEHRAULI - VASANT KUNJ CKT-II	113
19	220kV PRAGATI - PARK STREET CKT-I	164
20	220kV PRAGATI - PARK STREET CKT-II	158

All the utilities are requested to give their suggestion/ comments for reviewing the list of feeders for physical regulation.

(OCC may deliberate)

5. BRPL AGENDA:

5.1 Availing of PTW at 220kV Mehrauli substation

BRPL is facing difficulty in availing PTW in case of any breakdown from 220KV Mehrauli station. On dt:14.07.2020, 66kV Mehrauli to Malviya ckt-2 was tripped and breakdown team faced an issue to avail PTW to restore the network. Breakdown team is facing difficulty during evening and night shift at 220kV Mehrauli substation.

This is causing unnecessary delay in restoring outage element and may lead to overloading on other alternate sources.

(OCC may deliberate)

5.2 Increment in power schedule deviations charges of May-2020

BRPL power schedule deviations charges were increased in month of may 2020.

It is requested to OCC to discuss following issues:

- (i) Frequent ICCP link failure
- (ii) Dedicated ICCP port for BRPL in SLDC.
- (iii) DC supply to FRTU and IT devices at stns like 220KV Okhla, Mehrauli, Lodhi road, PPK-1, Sarita vihar, Vasantkunj, Najafgarh etc

(SLDC may deliberate)

5.3 Change in Nomenclature of BRPL feeders

Nomenclature issue is still pending. BRPL EHV feeders name updation is not done so far. It is requested to DTL to update.

(DTL may update)

5.4 Establishment of communication link through FRTU & Routers installation

To enhance grid data communication at DTL 220KV system, BRPL planning following works.

- (i) FRTU along with Router installation at 05 DTL Stns, DIAL, IP, RKP, TKL and PPK-2.
- (ii) IT connectivity with small towers.

Details of DTL grids is as below where BRPL want to establish a communication link.

1. 220kV PPK-I, 2. 220kV Okhla, 3. 220kV Sarita Vihar, 4. 220kV Vasant Kunj
5. 220kV Mehrauli, 6. 220kV DIAL, 7. 400kV Tikri Kalan, 8. Lodhi Road, 9. 220kV IP,
10. 220kV RK Puram, 11. 220kV PPK-II, 12. 220kV PPK-III, 13. 220kV Kanjhawala

For the above, it is requested DTL/SLDC to allow necessary permissions.

(OCC may deliberate)

4.5 Multiple tripping incident at 220kV PPK-I

(i) Tripping at 07:57AM of both ckts. from PPK1 to G2, Dt: 16/06/2020. In this tripping Distance, Fault current and Phase involved.

(ii) Similarly 2 more below mentioned tripping of dtd 10/06/20 time 18:11, pls check & provide fault data:

PPK1	OG_66KV_CKT_8	HARI NAGAR	Tripped off on differential RELAY M-86 RELAY
PPK1	OG_66KV_CKT_8	BODELLA-1 CKT , T-OFF Pankha Road (NEW)	Tripped off without indication.

For further working at our end it is requested DTL to provide the relay data.

(OCC may deliberate)

4.6 Tripping incident at 220kV Sarita Vihar on 16.07.2020

At 220KV Sarita Vihar, 66KV Sarita vihar feeder was tripped on 16.7.20 at 10:24AM on distance relay with zone on R,Y,B phase. Earlier this ckt was under shutdown taken by DTL (220KV SVR grid staff).

This feeder tripped while taking load of 66KV Sarita vihar stn load and after that breakdown team checked & Ckt found healthy.

DTL/SLDC requested to share details of tripping and observations at their end.

(OCC may deliberate)

4.7 Providing Relay data from DTL/SLDC

BRPL protection is facing difficulty to get relay data information from SLDC/DTL protection. Sometimes we will get and sometimes we won't.

(OCC may deliberate)

4.8 Inability of PPCL Bawana to timely inform about not bringing on bar half module

As per order of CERC dated 05th May 2017 "Approval of the detailed procedure for taking unit(s) under Reserve Shut Down and Mechanism for Compensation for Degradation of Heat Rate, Aux Compensation and Secondary Fuel Consumption, due to Part Load Operation and Multiple Start/Stop of Units", clause no 7.4, the said half module of Bawana should be treated under outage from 00 hours of 10th July 2020.

1. BRPL via email sent at 10:48 hrs dated 09.07.2020 has requested SLDC to kindly bring on bar half module of Bawana exclusively for BRPL from 00:00 hrs of 10.07.2020 (Email attached as Annexure 1). Accordingly the power from additional half module of Bawana was considered by BRPL in its Day Ahead availability.
2. In line with above, SLDC had requested Bawana to bring additional half module for BRPL via message punched on SLDC web scheduling portal at 18:07 hours. (Attached as Annexure 2)
3. During evening hours of 09.07.2020, it was intimated to BRPL over phone by SLDC that additional half module of Bawana will not be available from 00:00 hrs of 10.07.2020 till next 48 hours due to bursting of some water pipeline of Delhi Jal Board which in turn has effected availability of Bawana. Despite this verbal communication, there was no intimation of such situation by Bawana power plant over email to BRPL/SLDC and neither did Bawana publish any message on notification tab of web scheduling portal so that concerned parties are aware of the situation.
4. Via message punched on web scheduling portal by SLDC at 20:44 hrs of 09.07.2020, Bawana was once again asked to clarify its availability (Attached as Annexure 3).
5. Further, BRPL once again emailed SLDC at 21:47 hours of 09.07.2020 (Attached as Annexure 4) to confirm about the status of additional half module of Bawana, for which there was no reply given to BRPL.
6. This non clarity of status of additional module of Bawana also resulted in delay in bringing one unit of Dadri I on bar by BRPL since SLDC Desk was awaiting a written reply from Bawana regarding their inability to bring the additional half module.
7. BRPL had requested SLDC to bring one unit of Dadri stage I exclusively for itself (in lieu of unavailability of half module of Bawana) via email sent at 19:39 hrs of 09.07.2020

(Attached as Annexure 5). It was made clear in the email, that SLDC has to bring on bar Dadri stage 1 ONLY IF, Bawana is unable to bring on bar half module.

8. SLDC informed NRLDC to bring on bar one of unit Dadri stage 1 vide its email dated 09-July-20 at 09:51 PM.
9. As per order of CERC dated 05th May 2017 “Approval of the detailed procedure for taking unit(s) under Reserve Shut Down and Mechanism for Compensation for Degradation of Heat Rate, Aux Compensation and Secondary Fuel Consumption, due to Part Load Operation and Multiple Start/Stop of Units”, clause no 7 regarding “Methodology for revival of generating station or unit(s) from RSD” clearly reads that:-

7. Methodology for revival of generating station or unit(s) from RSD

7.1 Once a unit is taken out under RSD, the generating station shall notify the period for which the unit will remain under RSD and the unit can be recalled anytime after 8 hours. In case of system requirements, the generating unit can be revived before 8 hrs as well. The time to start a machine under different conditions such as HOT, WARM and COLD shall be as per the declaration given by the generating station under the Detailed Procedure for Ancillary Services Operations (Format AS-1 and AS-3 of the said Procedure).

7.2 One or more beneficiaries of the generating station as well as the generating station may decide for revival of unit(s) under RSD with commitment for technical minimum schedule with minimum run time of 8 hrs for Coal based generating stations and 3 hrs for Gas based generating stations post revival. In such situations, the generating station shall revise the On Bar and Off Bar DC (with due consideration to ramp up/down capability).

7.3 RLDC may also advise the generating stations to revive unit(s) under RSD for better system operation (IEGC 6.5.20). In such cases, RLDC shall ensure technical minimum schedule by increasing schedule of all the beneficiaries in the ratio of under-requisition.

7.4 In case the machine is not revived as per the revival time declared by the generating station under different types of start, the machine shall be treated under outage for the duration starting from the likely revival time and the actual revival time. RLDC shall ensure that intimation is sent to the generating station sufficiently in advance keeping in view its start-up time.

10. In view of above, the following points emerge:

- 10.1. Bawana could not bring on bar half module as asked by Delhi SLDC vide its message published at 18:07 hours on 9th July 2020.
- 10.2. This is clear from message given by SLDC to NRLDC to bring on bar one unit of dadri stage 1 at 21:51 hours, as per conditional email sent by BRPL at 19:39 hours.
- 10.3. Despite its failure to bring on bar, Bawana published full DC.

Accordingly, as per order of CERC dated 05th May 2017 the said half module of Bawana should be treated under outage from 00 hours of 10th July 2020.

(OCC may deliberate)

6. 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 19.07.2020
1.	33kV RIDGE VALLEY - KHEBAR LANE CKT.-II	BRPL	01.06.2019	'Y' PH. Single CABLE FAULTY. BRPL informed that the agenda related to handover this ckt to MES to be put up before Steering Committee. Process is not started yet. In last OCC, BRPL advised to pursue with MES to revive this ckt. BRPL may update status please.
2.	33kV LODHI ROAD - EAST OF KAILASH CKT.	BRPL	11.07.2020	'Y' PH. SINGLE CABLE FAULTY
3.	400kV MUNDKA - 66kV NANGLOI W. WORKS CKT.	BRPL	08.07.2020	'B' PH. CABLE FAULTY
4.	400kV HARSH VIHAR - 66kV GONDA CKT.-II	BYPL	12.07.2020	'R' PH. CABLE FAULTY
5.	66kV DHEERPUR - JAHANGIRPURI CKT.-I	TPDDL	17.07.2020	'R' PH. CABLE FAULTY
6.	33kV BAY -42 (2) IP - CONNAUGHT PLACE)	NDMC	06.07.2020	SINGLE CABLE FAULTY
7.	220kV TRAUMA CENTRE - 33kV RAJIV GANHI-BHAWAN CKT.	NDMC	07.07.2020	'B' PH. CABLE FAULTY
8.	33kV BAY -4 (IP - ELECTRIC LANE)	NDMC	19.07.2020	'B' PH. CABLE FAULTY

9.	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 again with damage in OLTC. In last OCC, ICT is likely to be charged by 15.08.2020. DTL may update please.
10.	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 energized by 31.08.2020. DTL may update please.
11.	20MVA PR.TR.-I AT 220kV PPK -I	DTL	07.07.2020	Tripped on Buchholz & E/F. Expected by 20.07.2020.
