



DELHI TRANSCO LIMITED
(A Govt. of NCT of Delhi Undertaking)
An ISO 9001:2008 certified company
Office of DGM(T) OS, Convener-OCC
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No. F.DTL/831/F.4/2017-18/DGM (OS)/54

Date:22.08.2017

To,
All Members of Operation Co-ordination committee

DTL	General Manager (O&M)-I, Chairman OCC General Manager (O&M)-II General Manager (Planning) DGM (O&M)- North, East, West, South DGM (M/P) DGM(Plg.)	Fax no. 011-23366160 Fax No.011-23622707 Fax no. 011-23366160 Fax No.011-23632031
SLDC	ED (SLDC) DGM (SO)	Fax no. 011-23221069 Fax no. 011-23221059/12,
TPDDL	HOD (PSC &AM) Sr. Manager (PSC)	Fax no. 011-66050602 Fax no. 011-66050602
BRPL	Asstt. Vice President (SO)	Fax no. 011-39996549
BYPL	General Manager (SO)	Fax no. 011-39996549
NDMC	Superintending Engineer	Fax no. 011-23235754
IPGCL	AGM (T) COS AGM (T) Opr. GTPS	Fax no. 011-23284797 Fax no. 011-23370884
PPCL	DGM (T) Opr. PPS-I DGM (T) Opr. PPS-III	Fax no. 011-23378947 Fax no. 011-27791175
MES	AEE/M.SLDC Officer	
BTPS	AGM (EEMG)	Fax no. 011-26944348
BBMB	Sr. Executive Engineer, O&M	Fax no. 011-28315542
DMRC	Addl. GM (Elect.)	Special Invitee
DMRC	General Manager (Elect.)	Special Invitee
N. Railways	Sr. DEE (TRD)	Special Invitee
EDWPCL	Director (EDWPCL)	Special Invitee
Delhi MSWSL	Station Incharge	Special Invitee

Sub: Agenda for next Delhi OCC Meeting to be held on 28.08.2017 (Monday) at 2:30 P.M.

Dear sir/madam,

The next Delhi OCC meeting is scheduled to be held on dt.- **28.08.2017(Monday) at 2:30 P.M.** at the following venue:-

SLDC Building, Minto Road, Opp. MCD Civic Centre, New Delhi-110002

You are hereby requested to attend the meeting in accordance with the agenda enclosed herewith.

Thanking You.

Encl: Agenda for Delhi OCC meeting.

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

DELHI TRANSCO LIMITED

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

AGENDA FOR DELHI OCC MEETING DT. 28.08.2017

Date : **28.08.2017 (Monday)**
Time : **2:30 PM**
Venue : **SLDC Building**
Minto Road, Opp. MCD Civic Centre,
New Delhi-110002

1. Confirmation of minutes of Delhi OCC meeting held on dated 28.07.2017.

The previous Delhi OCC meeting was held on 28.07.2017 in accordance with the agenda circulated vide letter dt. 25.07.2017. Minutes of the aforesaid OCC meeting were issued vide letter dt.10.08.2017.

Members may like to confirm the same.

2. DTL Agenda :

2.1 Tripping of 220 kV Bamnauli-Pappankalan II Ckt.-1 & 2 from Bamnauli end on dt.-20.05.2017 at 23:53 hrs. and 23:57 hrs. respectively.

On dt.-20.05.2017, 220 kV Bamnauli-Pappankalan II Ckt-1& 2 got tripped at 23:53 hrs and 23:57 hrs respectively at Bamnauli end on backup protection and the supply at PPK-II got failed due to radial feed from Bamnauli grid. Later on it was came to notice that the fault was at BRPL 66 kV Hastal grid at the 11 kV end. The fault of 11 kV level should have been cleared at 11 kV or 66 kV level at the BRPL station, but it was not cleared leading to fire. In this particular case at the time of fault at BRPL end the current of 66 kV Hastal feeders was probably less than 800 Amp so the 66 kV feeder was not supposed to trip. Whereas the current of 220 kV feeder as noted from disturbance record of Bamnauli end was 1000 Amp and the feeder has rightly tripped on over current setting resulting supply at PPK-II got failed due to radial feed from Bamnauli grid.

BRPL should provide the following details before the OCC for deliberation of the above incident-

- A. Single line diagram of the 66 kV Hastal Grid substation.
- B. System configuration at the time of incident
- C. Connectivity of the BRPL Power network.
- D. Incident report by BRPL alongwith DR and SOE.
- E. Tripping analysis report by BRPL
- F. Details of the SCADA Connectivity along with DATA acquisition configuration of 66 kV Hastal to BRPL System Control Room (Balaji) for monitoring of the unmanned substation.
- G. Immediate Remedial measure to avoid such type of incident.

During the discussion in last OCC meeting, BRPL informed that the report is under finalization stage and will be shared in the next OCC meeting.

BRPL may deliberate.

2.2 Storage of scrap material by BRPL Najafgarh at the common road at 220 kV DTL Substation Najafgarh

The matter has been discussed in previous OCC meetings, wherein it was informed by Mgr(O&M), DTL (N-3) that BRPL Najafgarh is using the common road from Main Security Gate (at Main Road) to Security Gate at DTL 220kV Najafgarh Substation Security Gate which is creating the hindrance to men and material of DTL and common public at large too. The problem enhances and get gruesome when general public park their vehicles while visiting the BRPL office encroaching the corridor. It can also not be ruled out that in case of major chaos, if any fire breaks out at DTL installation at Najafgarh or similar exigency, fire tenders/emergency vehicles may not be able to enter the premise due to space crunch created by storage of damaged & old scraps in the form of LT transformers, electrical poles and also due to parking of vehicles by general public.

During the previous OCC meeting, it was emphasized by DTL that BRPL should ensure for clear passage for entry to main gate of DTL 220kV Najafgarh Sub-stn. DTL suggested that the scrap may be shifted to their other station where space is available. OCC advised BRPL to expedite for the same.

DTL/BRPL may deliberate.

2.3 Non provision of 33kV cable holding arrangement by NDMC and improper sealing of 33kV cable duct/trench at 220/33 kV Sub-stn HCML and AIIMS Trauma centre.

The subjected matter was discussed during the previous OCC meeting as under:-

(i)220 KV GIS S/Stn. AIIMS Trauma Centre-

There are 18 Nos. 33 KV outgoing feeders at 220 KV GIS S/Stn. AIIMS Trauma Centre out of which 12 Nos. pertains to NDMC, 02 No. pertains to BRPL and 04 Nos. are spare at present. Cable holding arrangement is not provided in any feeders resulting damage of cable end termination box due to stress in the event of fault. Cable end termination box of 33 KV bay No. 19 along with PT was damaged due to same reason. Replacement of multi cable end termination box is very costly amounting to Rs. 27Lacs approx and time consuming being OEM item. It is pertinent to mention here that cable end termination box in which cable is to be inserted pertains to the user entity. Further, cable duct/trench are not properly sealed hence water and mud enters through entry points/pipes in the 33 KV GIS basement in rainy season. Matter was taken up with NDMC since 06.04.2015 but no progress has been made.

(ii)220 KV GIS S/Stn. HCML-

There are 15 Nos. 33 KV outgoing feeders at 220 KV GIS S/Stn. HCML out of which 09 Nos. pertains to NDMC, and 06 Nos. are spare at present. Cable holding arrangement is not provided in any feeders resulting damage/flash of cable end termination box due to stress in the event of fault. Recently on 01.06.2017, there was heavy flash on cable end termination of 33 KV feeder Connaught place (Bay No. 02) during fault and in outage since then. Further, cable duct/trench are not properly sealed hence water and mud enters through entry points/pipes in the 33 KV GIS basement in rainy season. Matter was taken up with NDMC since 06.04.2015 but no progress has been made.

The matter was deliberated in OCC meeting held on 28.06.2017 and a committee comprising of officers from DTL and NDMC was formed to resolve the issues and directed to update the status in next OCC meeting.

Accordingly, committee members met at 220 KV S/Stn. AIIMS Trauma Centre on 06.07.2017 and following decisions were taken. The contents of MOM are as under:-

- 1) NDMC has already agreed in the meeting dated 06.04.2015 (MOM of the same was circulated on 09.04.2015) that they will provide proper cable holding arrangement with alignment to cable end termination in all the feeders.
- 2) NDMC will ensure that all existing pipes are properly sealed from inside of 33KV GIS basement to avoid rain water entry in the basement of 33kV GIS.
- 3) The mud inside the basement shall be removed by DTL after completion of the works by NDMC as specified at Sr. No. 1 and 2.
- 4) NDMC will ensure proper earthing with suitable current rating links of cable sheaths and armors at DTL end in all the 33KV feeders.
- 5) NDMC will ensure proper workmanship during dismantling/insertion of cable and other associated works under intimation and satisfaction to DTL.
- 6) In addition to above, it was also decided that planning department will take care in future upcoming sub-stations with insertion of scope of works for erection of structure for cable holding from cable entry point to 66/33kV cable end terminations.

DTL has requested that NDMC may update the status with its time frame.

During the previous OCC meeting, No representative from NDMC were present to deliberate on the issue. However, OCC was in view that NDMC should gear up the work as agreed in the meeting held on 06.07.2017. OCC advised that DTL should follow up with NDMC for necessary expedite of the work.

DTL/NDMC may deliberate.

2.4 Removal of secondary connection from dedicated LT feeder to 220 kV Substation Ridge valley.

The LT supply (415V, 3 phase) at 220KV GIS Sub-station Ridge Valley is taken from BSES through a separate non-domestic LT connection (above 140KW). This connection is given from 66KV BSES grid substation through their local 400KVA capacity transformer. The connection was given separately i.e. there is separate LT breaker for this connection.

Recently on dt.-09-08-2017 at 23:00 hrs, the LT incomer was tripped on O/C relay with heavy sound and smoke from the incomer panel. On physical checking of same, it was found that 3 phase LT supply on this incomer was abnormal and was as under:

R – Phase -0V
Y - Phase – 360V
B – Phase – 417V
Neutral –258V (All values w.r.t. Ground)

It was also found that the Y & B phase PTs of the incomer were burnt due to which the smoke was observed. The system operation SLDC was informed about the above situation and after some time BSES breakdown team arrived. On tracing the fault, it was found that another LT cable connection was given from the same terminals of DTL Ridge Valley LT

Connection. The BSES team informed that this connection was given temporary to nearby Petrol Pump and Police Station at Dhaula Kuan as there was fault in their permanent feeder cable. For ensuring the faulty section, this temporary LT cable was isolated from feeder pillar between petrol pump and police station. Subsequently, the LT supply voltages of DTL Ridge valley substation was checked and found normal. As such it was confirmed that there was fault in the another cable which was connected temporarily. However due to this fault, LT supply of Ridge valley substation got disturbed. All control systems was entirely dependent on DC supply and DG Set for approximately 24 Hrs.

The LT supply at Ridge valley S/Stn. plays a vital role for cooling fans/pumps of 160 MVA power transformer-I & II, Air conditioning system of expensive relays installed in BCR kiosks, AHU of GIS Hall, lighting of substation. These are critical auxiliaries of substation and should have uninterrupted power supply. It is pertinent to mention here that this is the one and only single source of LT supply available at 220 kV S/Stn. Ridge Valley.

Since, this LT connection is dedicated one exclusively for maintaining uninterrupted supply to 220KV GIS Sub-stn. Ridge Valley, interruption on its subsidiary feeder if any leads to failure of LT supply to Ridge Valley S/Stn. and affects operation of the system.

In view of above, DTL have requested for removal of temporary LT supply given from the same breaker/terminal from which LT supply to DTL 220KV Ridge valley substation is given.

DTL/BRPL may deliberate.

2.5 Shutdown request of Power Grid for replacement of HTLS conductor of 220 kV SOW-Geeta Colony D/C line and 220 kV SaritaVihar-Pragati line (May 2017 Agenda).

The matter was discussed during Delhi OCC meeting held on dt.-26.05.2017 in which M/s PGCIL had requested for shutdowns of following 220kV lines for HTLS conductor replacement:-

S. No.	Name of transmission line	Ckt.
1.	220 kV Geeta Colony-Wazirabad T/L	Ckt.-1
2.	220 kV Geeta Colony-Wazirabad T/L	Ckt.-2
3.	220 kV SaritaVihar-Pragati	Ckt.-2

It was informed by SLDC that they had inquired from PGCIL about the reason for reconductoring. PGCIL have informed that during the reconductoring of 220 kV Pragati – Sarita Vihar Ckt. –II the core of the HTLS conductor got broken due to which delay in reconductoring occurred. It was also informed that the conductor of the same drum was utilized in 220 kV Geeta Colony – Wazirabad Section. Since the core of the conductor was broken as such the quality of the HTLS used in reconductoring work has come under question. As such PGCIL has pressed the contractor to change the entire section of the above mentioned ckts where the conductors of the same drum were used.

The shutdowns of above mentioned line is required for change of the existing conductors thus used.

After deliberation the proposed shutdowns were deferred till Sep-2017 in view of ongoing summer season and peak demand.

Further, It was emphasized that PGCIL would submit all the relevant details like span, phase, length of conductor, tower no., etc. in which the conductor replacement is required alongwith the reason for replacement to GM(O&M)-II, DTL.

DTL/SLDC/PGCIL may deliberate.

2.6 Proposed planned shutdowns of O&M, DTL

DTL O&M deptt. has proposed the planned shutdowns for the month of Sep 2017 as per enclosed Annexure.

OCC may deliberate.

3. SLDC Agenda

3.1 Deemed Availability of 220 kV Maharani Bagh – Masjid Moth Ckt.-II during the period of its breakdown which occurred on 14.06.2017 at 02:05 hrs.

The 220 kV Maharani Bagh – Masjid Moth Ckt.-II (U/G cable) became faulty on dt.-14.06.2017 at 02:05 hrs. during the excavation work for laying of optical fibre cable being carried out by M/s BSNL.

DTL have requested for treating the ckt. as deemed available during the forced outage period, since the outage was due to damage of XLPE power cable of the Ckt. caused by external agency (M/s BSNL) during optical fibre laying/excavation work in night hours. As such, the outage was a force majeure event and beyond the control of DTL. In view of above and in accordance with the DERC guidelines, the ckt. be treated as deemed available during its forced outage period.

SLDC have informed that they have already certified the transmission system availability for June 2017 and circulated to all stake holders.

DTL requested that issuing of necessary corrigendum regarding revision in availability for June-2017 may please be considered by SLDC.

OCC may deliberate.

3.2 Integration of SCADA database of DISCOMS upto 11KV with SLDC

All DISCOMS were required to provide, as per MOM dated 17.01.17, the ICCP points of all 66/33/11KV level data to SLDC for integration in SLDC's SCADA system for effective visualisation of complete Delhi Network.

However, even after number of reminders / follow ups, a large amount of data is still pending to be provided by the DISCOMs (BRPL/BYPL and TPDDL).

SLDC/Discoms may deliberate.

4. EDWPCL Agenda

4.1 M/s EDWPCL have informed that on dt.- 18.08.17 at 3:19 AM, 66 kV Vivek Vihar-2 circuit from DTL 220 kV Sub-stn Ghazipur tripped due to fault in R-phase (Distance Prot., Zone-1, 1.1 KM from Ghazipur). Due to this fault the SF6 breaker at their plant end got tripped and power export was stopped for approximately 30min.

They have further informed that they are under tremendous pressure by NGT to run the plant continuous now. In case if there any stopped of plant then IL&FS has to pay the penalty for the same.

DTL/EDWPCL may deliberate.

4.2 M/s EDWPCL have informed that in reference to MOM of OCC meeting held on dt.28.03.2017, Point no. 7, Synchronizing relay and line CVT in three phases was to be installed by DTL in 66 kV feeders at Ghazipur substation for successful synchronization of two different sources at Ghazipur Sub-stn. They have requested to update the current status.

DTL/EDWPCL may deliberate.

5. TPDDL Agenda

5.1 Arbitrary scheduling by Delhi SLDC.

M/s TPDDL have informed that There has been many instances in past regarding arbitrary or forced scheduling of power by NRLDC. They write to NRLDC regarding force scheduling time to time. Delhi SLDC is very reluctant to change the scheduling to TPDDL when there is force scheduling by NRLDC. After taking up the matter with NRLDC many times, NRLDC has responded that they scheduled the forced power (RRAS, MTL etc.) to overdrawing entities under them i.e. Delhi. Further scheduling of this power to deviating discom is the responsibility of Delhi SLDC. Delhi SLDC under current practice, schedule the power as per percentage of entitlement irrespective of OD or UD position.

With reference to above, TPDDL have requested Delhi SLDC to change the scheduling guideline and align the same with NRLDC. Force scheduled power by NRLDC will be scheduled to the discom who is deviating from DSM regulation.

SLDC may deliberate.

6. Long/Recent outage of Elements in Delhi power system.

Members to update the status of following Long/Recent outage of elements in Delhi Power system as on 23.08.2017:

S.N	Element's Name	Discom/ DTL	Date and Time of outage	Status of outage as on 23.08.2017
1.	33kV BAY -3 (IP – KILOKARI)	BRPL	22.02.2011	Clearance from Railways for laying of Underground cables near Bhairon Road is pending. OCC advised BRPL to inform DTL after awarding of the said work. During the OCC meeting dt.-28.11.2016, It was deliberated that the above work shall be started after joint inspection with Railways.

2.	33kV RIDGE VALLEY - KHEBAR LINE CKT.-II	BRPL	31.01.2016	R-PHASE SINGLE CABLE FAULTY.
3.	66kV VASANT KUNJ INSTL.AREA-RIDGE VALLEY CKT.-I	BRPL	26.03.2017	UNDER SHUTDOWN
4.	33kV LODHI ROAD - EXHIBITION GROUND -II	BRPL	04.06.2017	SINGLE CABLE FAULTY
5.	33kV KILOKRI - O/H SARAI JULIENA CKT	BRPL	18.08.2017	SINGLE CABLE FAULTY
6.	33kV LODHI ROAD - EXHIBITION GROUND-II CKT.	BRPL	19.08.2017	SECOND CABLE FAULTY
7.	5MVA PR.TR.-II AT BIJWASAN	BRPL	21.08.2017	UNDER SHUTDOWN
8.	50MVA PR.TR.-I AT MALVIYA NAGAR	BRPL	22.08.2017	PROTECTION CLEARANCE AWAITED
9.	66kV SAGARPUR - REWARI LINE CKT.	BRPL	30.07.2016	'B' PH. CABLE FAULTY. RE-ROUTING BEING DONE.
10.	30MVA PR.TR. AT NANGLOI	BRPL	18.03.2017	PROBLEM IN RELAY.
11.	66kV MUNDKA-NANGLOI CKT	BRPL	08.05.2017	B & Y-PHASE CABLE FAULTY.
12.	20MVA PR.TR.-IV AT PASCHIM VIHAR	BRPL	21.07.2017	UNDER SHUT DOWN
13.	66kV PPG - AKSHARDHAM CKT	BYPL	06.08.2017	CABLE FAULTY
14.	33KV PANDAV NAGAR - DMS CKT.	TPDDL		CABLE FAULTY.
15.	33kV BAY -28 (IP - CONNAUGHT PLACE) CKT	NDMC	20.08.2017	CABLE FAULTY.
16.	400kV BAMNAULI - JHAKTIKARA CKT.-I	DTL	22.05.2016	Dead end Tower No.-169 along with gantry collapsed at Bamnauli end. Ckt.-II charged on ERS. Gantry created. Tower material is under inspection.
17.	400kV BAWANA - MUNDKA CKT.- I&II	DTL	14.05.2017	Legs of tower no.-116 twisted due to fire beneath the line. Ckt.- I & II energized upto tower no. 115 from Bawana end. Jumper opened at tower no. 115. Tender could not be matured and refloated.
18.	220KV GZP – PATPARGANJ CKT	DTL	05.08.2017	R-Phase Cable damaged by NHAI during excavation works.
19.	220/33kV 100MVA PR.TR.-I AT 220kV NARAINA	DTL	26.07.2017	Transformer damaged due to fire.
20.	220/33kV 100MVA PR.TR.-I AT 220kV PATPARGANJ	DTL	14.08.2017	Transformer under shutdown as the DGA values are abnormal expected to energise by 26.08.17.
