

No. F.DTL/2019-20/Mgr.(OS)-II/40

Date:17.02.2020

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.)
GMR(DIAL)	GM(DIAL)
N. Railways	Sr. DEE (TRD)

Special Invitee
Special Invitee

Sub: Agenda for 11th Delhi OCC Meeting (2019-20) to be held on 20.02.2020 (Thursday) at 2:30 P.M.

Dear sir/madam,

The 11th Delhi OCC meeting (2019-20) is scheduled to be held on dt.- **20.02.2020 (Thursday), 2:30 P.M.** in the office of **GM(O&M)-II, Delhi Transco Ltd., 220kV Sub-Stn Park Street, Opp. Talkatora Stadium, Near R.M.L. Hospital, New Delhi-110001**

Agenda enclosed, Members are hereby requested to make it convenient to attend the meeting.

Thanking You.

Yours Sincerely,

sd/-
(Sh. Anil Sharma)
Mgr.(T)- OS,DTL

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

AGENDA FOR DELHI OCC MEETING NO. 11/2019-20

Date : 20.02.2020
Time : 2:30 PM
**Venue : O/o-GM(O&M)-II, 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 10th Delhi OCC meeting (2019-20) held on dated 17.01.2020.

The 10th Delhi OCC meeting (2019-20) was held on 17.01.2020 in accordance with the agenda circulated vide letter dt: 14.01.2020. Minutes of the aforesaid OCC meeting were issued on 28.01.2020 and the same was also uploaded on DTL website.

2. DTL AGENDA:

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

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

(OCC may deliberate)

3. SLDC AGENDA:

3.1. 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) that the works related to ADMS are under process and expected to be completed by 31.03.2020.

NDMC shall update the latest status on ADMS.

(NDMC may update)

3.2 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.

In 10th Delhi OCC meeting (2019-2020), DTL/ PPCL informed that the execution works are under progress & expected to be completed by 31.01.2020.

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

(DTL & PPCL may update the progress please)

3.3 High Voltage Operation of the Grid during winter nights.

The High Voltage issues have been faced in Delhi System. This is because of decrease in demand in recent month especially in night hours. During past winter season, it has been observed high voltage conditions and injection of reactive power to the grid causing heavy penalty in NRPC reactive account.

Following steps were in practice to control the injection of reactive power:

- a. Switching off the capacitors at all the Substations of Delhi, but during winter season proper monitoring of the same is yet to be put in place.
- b. Transformer taps optimization by DTL and DISCOM.
- c. Monitoring of all 400/220kV ICTs and taking actions wherein VAR flows are observed from 220kV to 400kV side. In this respect reactive energy accounts could also be monitored.
- d. Opening of lightly loaded transmission cables/ transmission lines keeping reliability in focus.
- e. Absorption of reactive power by generating units.

(a) The details of NRPC reactive account from 01.04.19 onwards are as under:

(All figures are in Lakhs)

S. No.	Month-2019	Payable (Approx.)	Receivable Approx.)
1	April	3.98417	2.81436
2	May	19.04866	4.72369
3	June	0	42.7036
4	July	9.95309	39.25774
5	August	27.1466	1.10855
6	Sept	80.84053	0.49756
7	Oct	330.368	0
8	Nov	308.35	0
9	Dec	357.48	0
Total		1137.14105	91.1055

The 15 Nos of 220 kV lines were opened on daily basis at night hours whereas 22 Nos of 66 kV ckts of BRPL & 32 Nos of 66 kV and 33 kV ckts of BYPL were also opened.

DTL is requested to expedite the process of tendering works and execution of project related to Reactors as suggested by CEA.

Discoms are requested to do reactive study in their network and share the plan of installation of shunt reactors in their respective areas.

In 10th meeting, OCC advised to call DMRC in next OCC for feasibility of switching of U/G cables in DMRC system to maintain voltage profile in certain areas.

DMRC shall update.

(OCC may deliberate)

3.4 Submission of break up energy consumption by the state.

In 167th 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 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						

No information has received from NDMC.

BYPL, TPDDL & MES have submitted the data upto Dec-2019 whereas BRPL and TPDDL have submitted the data upto Nov-2019.

NDMC and BRPL are requested to provide the data upto Dec-2019.

(NDMC & BRPL may deliberate)

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 17.02.2020
1.	66kV PARK STREET – RIDGE VALLEY CKT.-I	BRPL	01.06.2019	'Y' PH. CABLE FAULTY.
2.	33kV RIDGE VALLEY - KHEBAR LANE CKT.-II	BRPL	01.06.2019	'Y' PH. Single CABLE FAULTY.
3.	33kV LODHI ROAD - EXHIBITION GR. CKT.-II	BRPL	03.10.2019	'B'PH. 2ND CABLE FAULTY. Dismantling of cable is under progress for rerouting to 33kV ITPU (new grid).
4.	400kV TUGLAKABAD - 66kV BAY-604 MCIE	BRPL	12.02.2020	R-Ph. CABLE FAULTY.

5.	33KV PEERA GARHI - MUKHERJEE PARK CKT-II	BRPL	08.10.2019	'Y' PH. SINGLE CABLE FAULTY. The damaged section of U/G 33kV XLPE cable termination at 220kV Peeragarhi will be revived by DTL through GIS O.E.M. The cost of repairing works to be bear by BRPL.
6.	220kV PPK -I - 66kV BODELLA-I T-OFF 33kV PANKHA ROAD Ckt	BRPL	10.02.2020	'B' PH. CABLE FAULTY.
7.	33kV PARSVNATH MALL-KAILASH NAGAR CKT(1ST CABLE)	BYPL	15.10.2019	'R' PH. CABLE FAULTY.
8.	220kV ROHINI -I - 66kV BADLI CKT.	TPDDL	31.12.2019	UNDER SHUT DOWN.
9.	220kV ROHINI - 66kV ROHINI -6 CKT.-II	TPDDL	21.01.2020	UNDER SHUT DOWN
10.	33kV WAZIRPUR -II - AZADPUR - T-OFF WAZIRPUR -I CKT-I	TPDDL	02.02.2020	WAZIRPUR -I SIDE CABLE -1 FAULTY
11.	220kV SHALIMARBAGH - 33kV JAHANGIRPURI CKT.	TPDDL	10.02.2020	SHUT DOWN FOR SAFETY PURPOSE TO FACILITATE ERECTION & COMMISSIONING OF 220kV SMB- S.G.T. NGR CKT.
12.	33kV BAY -42 (IP - CONNAUGHT PLACE)	NDMC	05.01.2020	'R'PH. CABLE FAULTY.
13.	315 MVA ICT-II at MUNDKA	DTL	29.09.2019	DUE TO FIRE, ICT BURNT.
14.	HARSH VIHAR - 315MVA ICT -I	DTL	13.01.2020	TAN DELTA & GAS FORMATION RESULTS FOUND ABNORMAL. EXPECTED BY 20.02.2020
15.	GAZIPUR:- 220/66/33kV 100MVA PR.TR.-I	DTL	22.03.2019	TRANSFORMER DISMANTLED AND SHIFTED TO RPH FOR TR.-II. EXPECTED BY FEBRUARY 2020.
16.	220/66 kV 100 MVA Tx-III at NAJAFGARH	DTL	03.10.2019	SHUT DOWN FOR DISMANTLING TO ALLOW NEW 160MVA PR.TR. EXPECTED BY FEBRUARY 2020.
17.	220kV MAHARANI BAGH - LODHI ROAD CKT.-II	DTL	02.02.2020	SHUT DOWN FOR HTLS RECONDUCTORING WORK.
18.	SARITA VIHAR - 220/66kV 100MVA PR.TR.-I	DTL	20.01.2020	SHUT DOWN FOR DISMENTALING OF TR. WITH REPLACEMENT OF 160MVA PR.TR. EXPECTED BY 28.02.2020.
19.	220kV PPK-I - BAMNAULI CKT.-I&II	DTL	28.01.2020	SHUT DOWN FOR SHIFTING OF LINE FOR UPCOMING S/STN. 400kV DWARKA. EXPECTED BY 20.02.2020.
20.	NAJAFGARH - 100MVA PR.TR.- II	DTL	08.02.2020	SHUT DOWN FOR DISMANTLING TO ALLOW NEW 160MVA PR.TR. EXPECTED BY 08.04.2020.
21.	220kV PRAGATI - MAHARANI BAGH CKT.	DTL	12.02.2020	SHUT DOWN FOR STRENGTHING OF ENDS. EXPECTED BY 22.02.2020.

Additional Agenda

1. DTL Agenda:-

(1). Regarding defect arisen in 33 KV GIS (Mukherjee Park-II) at Peeragarhi.

This matter was first taken up in OCC dated 21.10.2019 whereby it was concluded that a separate meeting with BRPL has to be carried out to resolve the workmanship problem arisen while fixing one of the Mukherjee park-II cable in Schneider make 33 KV GIS Panel at Peeragarhi.

1) A meeting dated 14.11.2019 with AVP EHV of BRPL was consequently held on 14.11.2019, in order to conclude the reasons & possible solutions for these kinds of defects (placed as attachment-1).

2) Matter was again racked up in OCC meeting dated 21.11.2019, wherein it was clearly made to understand & suggested as under “The above inspection of GIS by OEM suggested that the fault has occurred because of improper handling & insertion of cable end inside the GIS without fixing of proper Nuts & Bolts. This termination of XPLE cable by BRPL in 33 KV Mukherjee park-II, is found to be improper. In view of this, OCC suggested that BRPL must take prompt action to revive the damaged section of cable termination in GIS. It was also advised, BRPL shall carry out the repairs“.

3) Subsequently, the OCC meeting dated 20.12.2019 at point no. 1 concluded that “ After detailed discussion b/w BRPL & DTL, OCC requested that the damaged section of U/G 33 KV cable termination at 220 KV GIS Peeragarhi will be revived by DTL through GIS OEM (i.e. M/s Schneider). The cost of this repairing will be borne by BRPL as agreed“.

4) Thereafter, M/s Schneider was called upon and MOM with service engineer of M/s Schneider was prepared on 4-1-2020 (placed as attachment-2), while physically carrying out the inspection for accessing the damage. The service Engineer of Schneider stated as under when the maintenance team of BRPL was also present: - **“Further, while inspecting the subject panel, the service engineer has observed that workmanship on Cable handling & fixing was improper. Also, we observed that Cable maintenance team had not followed requisite procedure.”**

5) Now, Since M/s Schneider electric is not able to provide the offer even after the lapse of more than a month the above stated meeting in the office of your good self-took place on 6-2-2020, and the MOM so prepared is placed as attachment-3. M/s Schneider Electric is now stating that spare parts for this WI (MODEL) Schneider make 33 KV GIS shall only be procured from their parent counterpart from Germany. Moreover, the German engineer will only arrived for its repairs since there is no competent counterpart is available in INDIA.

6) The 33 KV GIS panels for Mukherjee park – I & II, were suggested by DTL including the route to utilize the unused panels which were planned & commissioned for 33/ 11 KV substations adjacent to 220 Peeragarhi (across the wall). This was done to off-load PPK-I & Najafgarh since they were running at their threshold capacity during the summers of 2015-

16. That is why; these feeders were energized on dates 18.02.2017. Thus, this was a make shift arrangement till DTL finally augments their existing stations i.e. PPK-I & Najafgarh. Now, PPK-I has already been augmented & capacity has been enhanced to 520 MVA from 400MVA. At Najafgarh, 2 nos. 100 MVA have been replaced by 160 MVA that is enhancement of the transmission capacity to 520MVA. Consequently, BRPL now has the flexibility of shifting their Loads from Mukherjee Park-I & II & its allied stations from Peeragarhi to PPK-I & Najafgarh.

Inference: - As mentioned in point no. 6, BRPL will have to resort to shift the Load to PPK-I or Najafgarh. In the wake of delay by M/s Schneider to even submit a formal offer for repairs. Despite their site visit on 04.01.2020 (by their service engineer Sh. Bikram Senapati) & a MOM prepared on 06.02.2020 with GM sales of M/s Schneider to this effect, Sh. Alok Tiwari, GE Schneider has stated in MOM dated 06.02.2020 that offer has to come from their parent company in Germany. Therefore, this has to be acknowledged and appreciated by BRPL.

(OCC May deliberate)

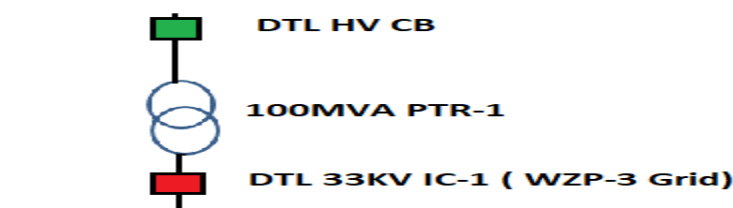
2. TPDDL Agenda:-

(1). To share the schedule of control wiring terminated at TPDDL WZP-3 Grid station for feeder 33KV I/C-1 and 2.

Tripping on 28.12.2019:

GRID	EQUIPMENT	INDICATION	FROM HR	TO HR	MUs Affected	REMARKS
WAZIRPUR - III	33 KV INCOMER-1	NO INDICATION	8:41	9:03	0.0006916 67	AT WAZIRPUR-3 GRID - 33KV I/C-1 TRIPPED AT 08:41 HRS. LOAD RESTORED THROUGH 33KV BUS CPLR AT 08:43HRS. 33KV I/C-1 TRIED AND TAKEN INTO LOAD SERVICE AT 09:03HRS.DETAILED ANALYSIS PENDING ON PART OF PROTECTION

SLD:



Observations:

(i) No tripping event found in WZP-3 grid Relay data.
(ii) It is suspected that 33kv panel at our end received tripping command from DTL end. During the commissioning of DTL Wazirpur and WZP-3 grid stations, wiring of tripping and metering were connected in C&R panel at TPDDL side but details of the wiring is not shared. In previous case also we have taken up the matter with DTL. But nothing fruitful result came out.

It is requested to share the schedule of control wiring terminated at TPDDL WZP-3 Grid station for feeder 33KV I/C-1 and 2.

(OCC may deliberate)

(2) To provide status of Circuit breakers of 66/33 kV level feeders

Please refer agenda point no. 01 in MOM of OCC-January 2020. Wherein, the on table TPDDL agenda of Dec-2019 OCC amended as under:

TPDDL requested DTL to provide status of Circuit breakers of 66/33 kV level feeders including transformer incomers at specific DTL substations. Regarding this, DTL agreed to allow the same & requested to TPDDL to provide the specific locations.

The specific locations are:

- (1). 400kV Tikri Kalan (Mundka), (2). 400kV Bawana, (3). 220kV DSIIC Bwana,
- (4). 220kV Kanjhawala, (5). 220kV Narela, (6). 220kV Rohini-I, (7). 220kV Rohini-II,
- (8). 220kV Gopalpur, (9). 220kV Kashmere Gate, (10). 220kV Naraina,
- (11). 220kV Peeragarhi, (12). 220kV Shalimar Bagh, (13). 220kV Subzi Mandi,
- (14). 220kV Wazirpur

(OCC May deliberate)