	<p><b>DELHI TRANSCO LIMITED</b> (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:-<a href="http://www.dtl.gov.in">www.dtl.gov.in</a></p>
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No. F.DTL/2019-20/DGM(OS)/F-4/93

Date:-02.03.2020

To,  
**All Members of Operation Co-ordination committee**

<b>DTL</b>	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.)	
<b>SLDC</b>	ED (SLDC) DGM (SO)	
<b>TPDDL</b>	HOD (PSC &AM), Sr. Manager (PSC)	
<b>BRPL</b>	AVP (SO)	
<b>BYPL</b>	AVP (SO)	
<b>NDMC</b>	Superintending Engineer	
<b>IPGCL</b>	AGM (T) Opr. GTPS	
<b>PPCL</b>	AGM (T) Opr.PPS-I AGM (T) Opr. PPS-III	
<b>MES</b>	AEE/M.SLDC Officer	
<b>BBMB</b>	Sr. Executive Engineer, O&M	
<b>DMRC</b>	Addl. GM (Elect.)/ Sr.DGM (Traction)	
<b>GMR(DIAL)</b>	GM(DIAL)	Special Invitee
<b>N. Railways</b>	Sr. DEE (TRD)	Special Invitee

**Sub: MOM of 11<sup>th</sup> Delhi OCC Meeting (2019-20) held on 20.02.2020 (Thursday) at 2:30 P.M.**

Dear sir/madam,

Enclosed please find herewith the minutes of 11<sup>th</sup> Delhi OCC meeting (2019-20) 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**

The same is also available on DTL website, [www.dtl.gov.in](http://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)

## **1. CONFIRMATION OF MINUTES:**

The 10<sup>th</sup> 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 uploaded on DTL website.

**No comments on the minutes were received from any member, OCC confirmed the minutes of 10<sup>th</sup> OCC meeting of 2019-20.**

## **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.

**After detailed discussion along with consent of respective DISCOMs, the proposed shutdowns were approved by OCC subject to real time conditions.**

(i) At 220kV Najafgarh: The consent for all shutdowns related to 66kV Bus-I/II need to be reconfirmed 01 day in advance.

(ii) Revamping of 66kV Bhalswa Ckts by TPDDL is under progress & expected to be completed by 20.03.2020. The major shutdowns of 220/66kV at Gopalpur S/stn will be provided after commissioning of these cks.

(iii) Shutdowns at 220kV Parkstreet shall be availed during Saturday/ Sunday or any other non working days.

(iv) Complete shutdown of all 33kV level feeders at 220kV Subzi Mandi is approved for 05 days subject to advance consent from TPDDL.

(v) Shutdown for shifting of 220/33kV 100MVA Tx-IV at 220kV PPG S/stn shall be availed in second week of March & related works to be completed before 31.03.2020.

## **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 10<sup>th</sup> 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 representative was not present in this meeting. Thus, current status of implementation of ADMS could not be updated. OCC members shown concern over repetitive absence of NDMC representative in OCC meeting from last 4-5 months.**

**(Action by NDMC)**

### 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.

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 10<sup>th</sup> Delhi OCC meeting (Jan-2020), above committee informed that the execution works are under progress & expected to be completed by 31.01.2020.

**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.**

**(Action by DTL/PPCL)**

### 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.

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.

**(i) OCC advised DTL to expedite the process execution of project related to installation of Reactors as suggested by CEA.**

**(ii) OCC advised Discoms to do reactive power analysis in their network and share the plan of installation of shunt reactors in their respective areas to control the over voltage system condition in winter season.**

**(iii) DMRC representative was not present in the meeting. OCC requested DMRC to explore the possibilities to control the over voltage system condition in winter season & share the details in next OCC meeting. This includes,**

- **Installation of shunt reactors in DMRC grids.**
- **Feasibility of switching of U/G power cables in DMRC network to control over voltage problem in respective areas.**

(Action by DTL, DMRC & Discoms)

### 3.4 Submission of break up energy consumption by the state.

In 167<sup>th</sup> 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.

**During deliberation, it was informed that TPDDL already submitted the desired data. BRPL & NDMC were advised to provide the details upto Dec-2019.**

**BRPL informed that it's data will be shared to SLDC within 2-3 days.**

(Action by NDMC, BRPL)

### 4. 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 20.02.2020
1.	66kV PARK STREET – RIDGE VALLEY CKT.-I	BRPL	01.06.2019	'Y' PH. CABLE FAULTY. <b>BRPL informed that this cable is outlived and contains multiple faults in this cable. OCC advised BRPL to expedite to revive this faulty feeder.</b>
2.	33kV RIDGE VALLEY - KHEBAR LANE CKT.-II	BRPL	01.06.2019	'Y' PH. Single CABLE FAULTY. <b>BRPL informed that the agenda related to handover this ckt to MES to be putup before Steering Committee.</b>
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). <b>OCC advised to remove this entry from outage list as it will be charged through ITPU (new grid).</b>
4.	400kV TUGLAKABAD - 66kV BAY-604 MCIE	BRPL	12.02.2020	R-Ph. CABLE FAULTY. <b>Charged on 17.02.2020.</b>
5.	33KV PEERA GARHI - MUKHERJEE PARK CKT-II	BRPL	08.10.2019	'Y' PH. SINGLE CABLE FAULTY. <b>The damaged section of U/G 33kV XLPE cable</b>

				termination at 220kV Peeragarhi will be revived by DTL through GIS O.E.M. The cost of repairing works to be bear by BRPL. Offer from OEM (Schneider) is pending since January-2020. OCC advised BRPL to discuss with OEM to expedite the process for early completion of works.
6.	220kV PPK -I - 66kV BODELLA-I T-OFF 33kV PANKHA ROAD Ckt	BRPL	10.02.2020	'B' PH. CABLE FAULTY. Charged on 17.02.2020.
7.	33kV PARSVNATH MALL-KAILASH NAGAR CKT(1ST CABLE)	BYPL	15.10.2019	'R' PH. CABLE FAULTY. Charged on 18.02.2020.
8.	220kV ROHINI -I - 66kV BADLI CKT.	TPDDL	31.12.2019	UNDER SHUT DOWN. Conversion of cable is under process & expected by 25.02.2020.
9.	220kV ROHINI - 66kV ROHINI -6 CKT.-II	TPDDL	21.01.2020	UNDER SHUT DOWN. Conversion of cable is under process & expected by 25.02.2020.
10.	33kV WAZIRPUR -II - AZADPUR - T-OFF WAZIRPUR -I CKT-I	TPDDL	02.02.2020	WAZIRPUR -I SIDE CABLE -1 FAULTY. Expected by 24.02.20.
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. Replacement under progress Expected by 15.03.2020.
14.	HARSH VIHAR - 315MVA ICT -I	DTL	13.01.2020	TAN DELTA & GAS FORMATION RESULTS FOUND ABNORMAL. Expected by 22.02.2020.
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. Expected by 1st week of March.
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. Expected by 24.02.20.
17.	220kV MAHARANI BAGH - LODHI ROAD CKT.-II	DTL	02.02.2020	SHUT DOWN FOR HTLS RECONDUCTORING WORK. Expected by 05.03.2020.
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. Expected by 30.04.20.
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. Expected by 31.03.20.
21.	220kV PRAGATI - MAHARANI BAGH CKT.	DTL	12.02.2020	SHUT DOWN FOR STRENGTHING OF FOUNDATION. EXPECTED BY 22.02.2020.

P.T.O

## **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) During 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“.

2) Thereafter, M/s Schneider was called upon on 04-01-2020 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.”

3) Now, Since M/s Schneider electric is not able to provide the offer even after the lapse of more than a month. 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.

4) The 33kV GIS panels for Mukherjee park – I & II, were suggested by DTL including the route to utilize the unused panels which were planned & commissioned for 33/11kV substations adjacent to 220kV 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. 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 & enhanced the transmission capacity to 520MVA. Consequently, BRPL now has the flexibility of shifting its load from Mukherjee Park-I & II & its allied stations from Peeragarhi to PPK-I & Najafgarh.

As mentioned in point no. 4, 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 & a MOM prepared on 06.02.2020. Wherein GE stated that, the offer has to come from their parent company in Germany.

**OCC deliberated this issue with members & crux of discussion is as under:**

- (i) DTL informed of delay in the process of repairing of cables as no offer provided by M/s Schneider (OEM) after the lapse of more than a month.**
- (ii) BRPL acknowledged the concern & agreed to partly shift the load from Mukherjee Park Ckt-I & II and its allied stations from 220kV Peeragarhi to 220kV PPK-I & Najafgarh during upcoming summer season.**
- (ii) As OEM (Schneider) is a common party for BRPL & DTL. OCC requested BRPL to discuss this matter with OEM at their end to expedite the process. BRPL also agreed.**

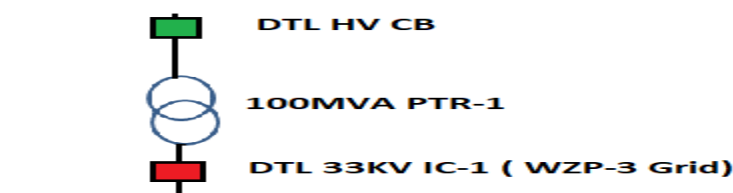
**(Action by DTL & BRPL)**

## **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
WZP – 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.



(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 commissioning of DTL Wazirpur and WZP-3 grid stations, protection wiring 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.

**OCC shown concern over such trippings. OCC requested DTL to provide the cable schedule to TPDDL. DTL agreed to share the schedule of control wiring.**

**Further, OCC also advised TPDDL to test the insulation of control cables (laid from WZP-3 to DTL C&R panel). So that, the persisting wiring issues can be traced & rectified to avoid such trippings in future.**

**(Action by TPDDL & DTL)**

**(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

**DTL informed that the status of switching of feeders is already shared with Discoms through ICCP (SCADA). OCC advised TPDDL to come with more clarification for requirements/necessity of status of Circuit breakers of 66/33 kV level feeders.**

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