



**DELHI TRANSCO LIMITED**  
(A Govt. of NCT of Delhi Undertaking)  
An ISO 9001:2015 certified company  
Office of DGM(T) OS, Convener-OCC  
1<sup>st</sup> Floor, 220 kV Sub-Stn Park Street, Opp. Talkatora Stadium,  
Near R.M.L. Hospital, New Delhi-110001  
Web:-www.dtl.gov.in, E-mail :- dgm.os@dtl.gov.in

No. F.DTL/831/F.4/2018-19/DGM (OS)/01

Date:-11.04.2018

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

**Sub :- MOM of Delhi OCC Meeting (12/17-18) held on 27.03.2018 at DTL, 220kV Sub-stn Park Street Building.**

Dear sir/madam,

Delhi OCC meeting (No.-12/17-18) for March-2018 was held on **27.03.2018 in O/o :- GM(O&M)-I, Delhi Transco Ltd., 220kV Sub-stn Park Street Building, Opp. Talkatora Stadium, Near R.M.L. Hospital, New Delhi-110001.**

The minutes of meeting is enclosed herewith for your kind perusal and further necessary action please. The same has also been uploaded on DTL website, www.dtl.gov.in under the Tab "News and Information – OCC Meeting".

Thanking You.

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

**Copy for favour of kind information to:**

1. Member Secretary, NRPC, 18-A, SJS Marg, Katwaria Sarai, New Delhi-110016.
2. Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-17.
3. Chairperson & Managing Director, DTL.
4. Director (Operations), DTL
5. General Manager (Project)-I, DTL
6. General Manager (Project)-II, DTL

**DGM(OS),DTL  
Convener-OCC**

## DELHI TRANSCO LIMITED

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

### MOM OF DELHI OCC MEETING HELD ON 27.03.2018

GM (O&M)-I, DTL, Chairman-OCC welcomed the members of OCC in its meeting held on 27.03.2018. Representatives of Dicom, Gencos, DTL, SLDC, DMRC and other utilities attended the meeting. List of the officers attended the meeting is enclosed as annexure.

The meeting was started with the presentation on review of grid operation for Feb 2018. It was informed that Delhi peak demand of 3946 MW for Feb-2018 was met on 09.02.2018 at 10:09:27 hrs. Discom wise load as well as generation within Delhi during the peak and load curve for all the Discoms during the Feb month was depicted. Planning of Grid operation for April 2018 was also discussed, wherein it was explained that the anticipated peak demand for April 2018 would be around 6000 MW.

The point-wise deliberations made during the OCC meeting are as under:

#### 1. Confirmation of minutes of previous Delhi OCC meeting held on dated 21.02.2018.

The previous Delhi OCC meeting was held on 21.02.2018 in accordance with the agenda circulated vide letter dt: 16.02.2018. Minutes of the aforesaid OCC meeting were issued vide letter dt.26.02.2018. The same was also uploaded on DTL website.

**No comments have been received from any of the OCC participating members regarding the contents of MOM. As such the minutes of Delhi OCC meeting held on dated 21.02.2018 were confirmed. Members confirmed the receipt of MOM on their respective e-mail ids.**

#### 2. DTL AGENDA POINTS:

##### 2.1 Status of Hot Reserve of transformers at all levels.

The status of hot reserve of transformers as discussed during last steering committee meeting were updated by DTL Planning deptt as under:-

S.No.	Transformation Capacity	Population in no.	Hot Reserve (No.) Decided	Present Status
1.	400/220kV, 500MVA ICT	2	1x500MVA	One 400/220kV 500MVA transformer would be installed as hot reserve by the year 2019-20 and would be placed at Bamnauli. In case of damage of 315MVA transformer in future, the same would be replaced with 500MVA. <b>OCC advised that the scheme be prepared and proposal be sent to C&amp;MM deptt. after obtaining the required approval.</b>
2.	400/220kV, 315MVA ICT	14		
3.	220/66kV, 160MVA	22	2x160MVA +1x100 MVA	One 160MVA transformer would be kept as hot reserve and placed at Mundka and the 2nd 160MVA Hot reserve 220/66kV transformer would be kept at Rohini-2. The scheme for 160MVA Tr. as hot reserve at Mundka
4.	220/66kV, 100MVA	42		

				<p>has been prepared and is under approval. Both the transformers should be provided by 2019-20.</p> <p><b>DTL O&amp;M deptt. had inform that the 220/66-33/11kV, 100MVA transformer damaged at Papankalan-I on 04.09.2016 at 06:35 hours which was earlier planned as Hot Reserve at PPK-I may not materialise as the matter of repair has gone under legal tussle. They requested for new 220/66kV, 100MVA hot reserve transformer at 220kV Papankalan -I considering the aging of the existing transformers and the population of the transformers.</b></p> <p><b>In view of the above, Steering Committee has agreed for providing new 220/66kV, 100MVA hot reserve transformer at 220kV Papankalan – I by 2019-20. OCC noted the same.</b></p>										
5	220/33kV, 100MVA	37	2	<p>One 220/33kV, 100MVA transformer which has already been decided as hot reserve and proposed at Patparganj. Eventually, the transformer is required to be shifted to Naraina due to the failure of 100MVA at 220kV Naraina. Therefore, the new hot reserve is required at 220kV Patparganj. The other Hot Reserve Transformer would be placed at Kashmere Gate. These transformers would be provided by 2019-20. <b>OCC advised that the scheme be prepared and proposal be sent to C&amp;MM deptt. after obtaining the required approval.</b></p>										
6	66/11kV 20MVA	24	NIL	<p>Steering Committee in its meeting held on 15.03.2017 has decided that in case of exigency, the Discoms may provide these transformer on returnable basis.</p> <p>As per the decision taken in the Steering Committee Meeting held on 30.10.17 the transformer augmentation has been planned as under:</p> <table border="1"> <thead> <tr> <th>S . N</th> <th>Sub Station</th> <th>Details of existing Tx.</th> <th>Augmentation Plan</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Lodhi Road</td> <td>2 no 33/11kV 20MVA</td> <td>2 no 33/11kV 25MVA</td> <td>2018-19</td> </tr> </tbody> </table>	S . N	Sub Station	Details of existing Tx.	Augmentation Plan	Year	1	Lodhi Road	2 no 33/11kV 20MVA	2 no 33/11kV 25MVA	2018-19
S . N	Sub Station	Details of existing Tx.			Augmentation Plan	Year								
1	Lodhi Road	2 no 33/11kV 20MVA	2 no 33/11kV 25MVA	2018-19										
7	33/11kV 16MVA	16												

*MOM of Delhi OCC meeting held on 27.03.2018*

								Lodhi Road	2 no 33/11k V 16MVA	2 no 33/11kV 25MVA	2018-19	
				2	Najafgarh	2 no 66/11k V 20MVA	2 no 66/11kV 31.5MV A	2019-20				
				3	Okhla	2 no 66/11k V 20MVA	2 no 66/11kV 31.5MV A	2019-20				
				4	Sarita Vihar	2 no 66/11k V 20MVA	2 no 66/11kV 31.5MV A	2019-20				
				5	Pappan kalan-I	2 no 66/11k V 20MVA	2 no 66/11kV 31.5MV A	2020-21				
				6	Mehrauli	2 no 66/11k V 20MVA	2 no 66/11kV 31.5MV A	2021-22				
									The scheme for replacement of 2 nos. 33/11kV,16MVA Tr. to 2 nos. 33/11kV,25MVA Tr. and 2 nos. 33/11kV,20MVA Tr. to 2 nos. 33/11kV,25MVA Tr. has been prepared and is under approval stage.			

During the steering committee meeting, DTL O&M Department explained the need of more hot reserve due to the number of failures of Transformers in Delhi Power System. They pointed out that 11 nos. power transformers have failed during last two years (2015-2017). At present there is no spare capacity available to replace Trs in case of failure. They requested availability of spare capacity of Trs as decided in the Steering Committee Meetings and also requested the replacement of aged Transformers.

Planning Department of DTL informed that they have already drawn a detailed plan of augmentation/replacement of Trs in Business Plan 2017-22 as under:

Sr. No.	Name of the Sub Station	Qty. (No.)	Year	Scheme status as on date
1	Sarita Vihar	1	2018-19	Under tendering stage
2	Narela	1	2018-19	Under Approval
3	Najafgarh	2	2018-19	Under tendering stage
4	Okhla	1	2018-19	Under Approval
5	Mehrauli	1	2019-20	To be prepared
6	Patparganj	2	2019-20	To be prepared
	Total	8		

After detailed deliberations, Steering Committee approved the hot reserve capacity as mentioned in the table of opening para of the item and also advised DTL to adhere the time lines of augmentation/replacement of Trs. mentioned in Business Plan 2017-22. OCC noted the same.

**(Action by DTL Planning deptt.)**

## **2.2 Status of Supply of 3 nos. 100 MVA, 220/33kV BHEL make Transformers against MOU-II project.**

Three nos. 220/33kV, 100 MVA BHEL make Transformers are to be supplied against MOU-II project.

**It was apprised that the first 100 MVA Transformer has reached the Naraina site. The second 100 MVA Transformer will be delivered at Lodhi Road Sub-stn and the third 100 MVA Transformer will be delivered at Preet Vihar Sub-stn. OCC advised to expedite for supply/erection of transformers at site.**

**(Action by DTL)**

## **2.3 Status of Procurement of O&M min. inventory/spares/services as well as equipments to be procured against PSDF schemes.**

The following was deliberated:-

1. Representative of DTL C&MM deptt. informed that w.r.t procurement of hot reserve transformer, one such request has been received in the C&MM department on 21.12.2017 for transformer package including one no. hot reserve 160 MVA transformer for Kanjhawala. The order for 9 nos. Transformer is expected to be placed in the month of May 2018 and its procurement will be in the month of Oct/Nov 2018 (i.e after 06 month after date of order)

2. Representative of DTL C&MM deptt. further informed that PR w.r.t availability of minimum inventory in Material Management Department is pending with finance department. **OCC advised that the matter be taken up at priority level and express procurement be initiated for procurement of min. inventory/spares to meet the summer demand requirement.**

3. The status of PSDF was updated. OCC directed that the procurement/execution against PSDF scheme is time bound activity. As such, every effort be made to complete the PSDF scheme in time bound manner.

4. OCC directed that the hot reserve Tr. is essentially required for maintaining summer season loading in case of failure of any Tr. Therefore hot reserve of each category of transformer be procured immediately.

5. Min. inventory as discussed and finalized between O&M and C&MM deptt. be procured immediately.

6. DTL C&MM deptt. to update the month wise progress in every DELHI OCC meeting.

**(Action by DTL C&MM deptt.)**

## **2.4 Status of replacement of Porcelain disc Insulators with long road Polymer Insulators in various 220kV lines.**

The progress of work of replacement of Porcelain disc Insulators with long road Polymer Insulators in various 220kV lines was updated. The updated list is attached as annexure.

**(Action by DTL)**

## **2.5 Reactive power compensation at 400kV & 220kV Level as updated by DTL Plg. Deptt.:-**

DTL Planning deptt. informed that in the steering committee meeting held on 30.10.2017, it was deliberated that the feasibility of Reactors installation with regard to DTL system was as under:

S.No.	Bus Name	Voltage level (kV)	Reactor (MVAR)	Remarks
1	Mundka	400	125	The scheme for 125 and 25 MVAR at 400 KV Mundka sub station has been finalized and under costing. For rest, the schemes are under preparation.
2	Bamnauli	220	2x25	
3	Indraprastha	220	2x25	
4	Harsh Vihar	220	2x50	
5	Electric Lane	220	1x50	
6	Mundka	220	25	
7	Peeragarhi	220	1x50	One GIS 220kV bay is spare at Peeragarhi. The S/Stn. is connected with 1000sq.mm 220kV Mundka-Peeragarhi D/C (13KM) and 220kV Peeragarhi- Wazirpur D/C (8.3KM) cables. Due to these cables, during off-Peak hrs particularly during winter nights, voltage shoots up beyond the permissible limits. Therefore during winter nights one ckt. is kept in operation out of the four 220kV cable circuits to control high voltage issue to some extent. This ckt. also trips on account of high voltage affecting the areas fed from Peeragarhi S/Stn. To overcome high voltage issue one 220kV, 50 MVAR Reactor is proposed to be installed at Peeragarhi S/Stn. considering the fact that one 220kV GIS bay is also available.
8	Maharani Bagh (PG)	400	125	To be installed by Powergrid.
9	Mandola (PG)	400	125	To be installed by Powergrid.
TOTAL			700	

(Action by DTL Planning Deptt.)

## 2.6 Approval of drawings by BTPS in r/o installation of Line Differential relays in various 220kV feeders emanating from BTPS.

DTL informed that the work for Commissioning of Line Differential relays at the following feeders emanating from BTPS is in progress:-

1. BTPS- Meharauli Circuit 1&2.
2. BTPS-Okhala Circuit 1&2
3. BTPS-Sarita Vihar Circuit 1&2.
4. BTPS –Gazipur

Line Differential relays has been already installed in the DTL feeders. All the relays are

installed in the BTPS end and DTL end. However due to delay in the approval of Drawings from BTPS end the relays could not be commissioned at BTPS end. DTL has already submitted the drawings to BTPS on dated 27/02/2018. BTPS is requested to approve the drawings at their end at the earliest so that the relays can be commissioned.

**The matter was deliberated and BTPS representative agreed to pursue the case for necessary approval at the earliest date. DTL Protection deptt. to coordinate with BTPS for approval.**

**(Action by BTPS/DTL Prot. deptt.)**

## **2.7 Dismantling of 30 MVA, 66/33kV Transformer from 220kV Narela.**

DTL O&M deptt. have informed that the 30 MVA, 66/33kV Transformer at 220kV Narela Sub-stn is running on No-Load. The matter has been discussed in 5th steering committee meeting of 2016-17, wherein it has been agreed to allow for discarding the said transformer from DTL Narela substation and shifting the load of the 33kV AIR Khampur from DTL Narela to TPDDL 66/33 kV A-7 Narela Sub-stn by May 2017.

In view of above, TPDDL may provide the latest status of shifting of load of 33kV AIR Khampur from DTL Narela Sub-stn, so that suitable action for discarding the said transformer at DTL Narela can be initiated.

**The matter was deliberated and TPDDL gave its consent for dismantling the 30 MVA, 66/33kV Transformer from 220kV Narela. It was further informed by TPDDL that the load has been shifted from Narela Sub-stn.**

**OCC advised that the other formalities for removing the asset be done by DTL O&M deptt. in coordination with DTL Planning deptt.**

**(Action by DTL)**

## **2.8 Unwanted tripping of 220kV South of Wazirabad – Kashmere Gate Ckt.-II on 25.02.2018 at 15:43 hrs.**

The 220kV South of Wazirabad – Kashmere Gate Ckt.-II tripped on 25.02.2018 at 15:43 hrs. on following relay indication:-

S.No.	Name of element tripped	Date and Time of tripping	Date and Time of restoration	Outage duration	Relay indication	Remarks
1.	220kV South of Wazirabad – Kashmere Gate Ckt.-II	25.02.2018 15:43 hrs.	25.02.2018 21:42 hrs.	5hrs:59min	Trip Yph, Dist. Trip Z2, Fault Location 4.859 Km.	It has been informed that LA was damaged at DMRC end at K. Gate. However, no tripping occurred at K. Gate. Delayed fault clearance resulted melting of clamps/connectors at SOW end thereby increasing the outage duration.



The matter was deliberated and OCC took a serious note on the issue regarding protection failure of DMRC Ckt. at Kashmere Gate Sub-stn. OCC opined that non clearance/delayed clearance of fault by its main protection lead to unwanted electrical stress on other electrical equipment which may further deteriorate its overall useful life. All out efforts be taken by DMRC to avoid the repetition of incident. OCC further advised that DTL Protection deptt. should carry the Prot. Audit of all DMRC O/G feeders in coordination with DMRC within two months time frame.

(Action by DMRC/DTL Prot. deptt.)

## 2.9 Proposed planned shutdowns of O&M, DTL

DTL O&M deptt. has proposed the planned shutdowns for the month of April-2018 as per enclosed Annexure.

After deliberation, the shutdowns were approved subject to real time loading conditions. The approved shutdown list is enclosed as annexure.

## 3. PPCL-III Bawana Agenda

PPCL-III, Bawana have requested for the following shutdowns :

- Shutdown of turbo generators (GT #4 and GT#3) for Scheduled maintenance:**

S. No	Unit	Rating	From (date)	To (date)	Remarks
1.	GT #4	216 MW	02.4.2018	13.4.2018	Combustion Inspection
2.	GT #3	216 MW	16.4.2018	30.5.2018	Generator Overhauling and Compressor upgrade

As both these turbines i.e. GT #3 and GT #4 are only available in open cycle currently due to ongoing breakdown of STG #2 transformer revival of which is most likely in June 2018, the planned maintenance works would ensure the availability of Module-II in combined cycle once STG #2 is ready. So, the Committee may kindly consider and allow these shutdowns.

After deliberation, the shutdowns were approved subject to real time loading conditions.

- Shutdown of 400 kV Bawana – Bhiwani line ( Bay 415) on 16.4.2018 (Monday)** is hereby requested for approval. Cleaning of BPIs of the Bay up to dropper from PGCIL's line, is envisaged to be carried out if approved by OCC.

S.No	Details of Transmission Element		Category	Shutdown Type	From		To		Work to be Carried	Remarks
	Voltage Level	Name			Date	Time	Date	Time		
1	400kV	400KV Bawana-Bhiwani line (Bay 415)	A	Daily Basis	16.04.2018	0900 Hrs	17.04.2018	1700 Hrs	Cleaning of BPI from Bay 415 upto line Dropper of PGCIL's Bawana-Bhiwani line	400KV Bawana-Bhiwani line shall be earth at both end

After deliberation, the shutdowns were approved subject to real time loading conditions.

#### 4. Long/Recent Outage/Breakdown of Elements in Delhi power system.

The latest status of Long/Recent Outage/Breakdowns of elements in Delhi Power system are as under:

S.N	Element's Name	Discom/DTL	Date and Time of outage	Status of outage as on 09.04.2018
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. Expected by 30.05.2018.
3.	66kV VASANT KUNJ INSTL.AREA-RIDGE VALLEY CKT.-I	BRPL	26.03.2017	UNDER SHUTDOWN. Expected by 30.05.2018.
4.	11kV I/C-I AT RIDGE VALLEY	BRPL	24.01.2018	UNDER BREAKDOWN. Expected by 30.04.2018.
5.	15MVA PR.TR.-IV AT C-DOT	BRPL	06.02.2018	UNDER BREAKDOWN. Energized on 23.03.2018.
6.	33kV LODHI ROAD - EXHIBITION GROUND -II CKT.	BRPL	17.02.2018	'B'PH. 2ND CABLE FAULTY. Expected by 15.05.2018.
7.	33kV RIDGE VALLEY - AIIMS CKT.	BRPL	09.03.2018	CABLE FAULTY. Energized on 25.03.2018.
8.	16MVA PR.TR.-III AT SHIVALIK	BRPL	12.03.2018	UNDER SHUTDOWN. Energized on 19.03.2018.
9.	20MVA PR.TR.-I AT OKHLA PH.-II	BRPL	14.03.2018	UNDER BREAKDOWN. Energized on 24.03.2018.
10.	220kV MEHRAULI - 66kV FATEHPUR BERI CKT.-I	BRPL	14.03.2018	UNDER BREAKDOWN. Energized on 20.03.2018.
11.	10MA PR.TR. AT 33kV PALAM	BRPL	15.03.2018	UNDER SHUTDOWN. Energized on 25.03.2018.
12.	33KV RIDVE VALLEY - R.K. PURAM-I CKT	BRPL	18.03.2018	CABLE FAULTY. Energized on 25.03.2018.
13.	66kV MUNDKA - NANGLOI CKT.	BRPL	08.05.2017	B & Y-PH. CABLE FAULTY. Expected by 30.04.2018.
14.	20MVA PR.TR.-II AT SAGARPUR	BRPL	06.02.2018	UNDER SHUT DOWN. Energized on 01.04.2018.
15.	66kV PAPPANKALAN-I - DWARKA-IV CKT-I & II	BRPL	08.03.2018	UNDER SHUT DOWN. Energized on 11.03.2018.
16.	20MVA PR.TR.-II AT JAFFARPUR	BRPL	12.03.2018	UNDER SHUT DOWN. Energized on 26.03.2018.
17.	25MVA PR.TR.-III AT G-4 DWARKA	BRPL	12.03.2018	UNDER SHUT DOWN. Expected by 12.04.2018.
18.	33kV NARAINA(220kV) - MAYA PURI CKT.-I	BRPL	14.03.2018	R-PH SINGLE CABLE FAYLTY. Expected by 15.04.2018.
19.	33KV PEERA GARHI - PASCHIM PURI CKT-I	BRPL	17.03.2018	CABLE FAYLTY. Expected by 15.04.2018.
20.	66kV PPG - AKSHARDHAM CKT	BYPL	06.08.2017	CABLE FAULTY. Expected by 30.05.2018.

21.	66KV MUNDKA- MANGOLPURI-I - T-OFF NANGLOI CKT.	TPDDL		CABLE FAULTY. Expected by 20.04.2018.
22.	33kV JAHANGIRPURI - AZADPUR CKT.-II	TPDDL		CABLE FAULTY. Expected by 20.04.2018.
23.	66KV DSIDC BAWANA - BAWANA-I PHASE-II CKT-I	TPDDL		CABLE FAULTY. Energized on 23.03.2018.
24.	33KV TRAUMA CENTRE - RAJIV GANDHI BHAWAN CKT.	NDMC	11.03.2018	'Y' PH. CABLE FAULTY. Expected by 15.04.2018.
25.	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. Charged on 28.03.2018.
26.	315MVA ICT-II AT 400kV BAWANA	DTL	30.11.2017	400kV SIDE R-PH. BUSHING DAMAGED AND Y-PH. BUSHING ON 220kV SIDE (LV SIDE) DAMAGED. Charged on 23.03.2018.
27.	400kV BAHADURGARH CKT. AT CCGT BAWANA	PPCL	07.03.2018	SHUT DOWN TAKEN BY PGCIL FOR DIVERSION WORK. Energized on 23.03.2018.
28.	220/33kV 100MVA PR.TR.-I AT 220kV NARAINA	DTL	26.07.2017	Transformer damaged due to fire. Expected by 15.05.2018.
29.	33kV BUS COUPLER AT KASHMERE GATE	DTL		TRIPPING COIL PROBLEM. Spare parts yet to arrive from ABB.
30.	220kV MAHARANI BAGH - MASJID MOTH CKT-I	DTL	31.01.2018	CABLE FAULTY. Energized on 08.04.2018.
31.	220kV PATPARGANJ - GAZIPUR CKT.	DTL	07.02.2018	CABLE FAULTY. Expected by 15.04.2018.
32.	220kV TRAUMA CENTRE – RIDGE VALLEY CKT-II	DTL	15.02.2018	CABLE FAULTY. Fault location not been pin pointed yet.
33.	220/33kV 100MVA PR.TR.-II AT 220kV PREET VIHAR	DTL	12.03.2018	SHUT DOWN FOR ACETYLENE GAS FORMATION. Tr. yet to be sent to BHEL workshop.
34.	220/33kV 100MVA PR.TR.-I AT 220kV PREET VIHAR	DTL	18.03.2018	SHUT DOWN FOR ACETYLENE GAS FORMATION. Expected by 15.04.2018.
35.	STG-2 at PPCL Bawana	PPCL Bawana	01.10.2017 00:05 hrs.	Problem in Generator Transformer. Expected by 31.05.2018.

The meeting ended with vote of thanks to the Chair.

### Additional Agenda

#### 5. SLDC Agenda

##### 5.1 Information on Cold/ warm/ hot start up time for Delhi Genco's :

The information on minimum time required for starting units in various conditions (cold /warm/hot start ) from zero to full load was asked from the Delhi Genco's in Delhi OCC meeting held on Dec-17. In this regard DGM (SO) has also made communication to Delhi Genco's on 04.01.18.

SLDC has received communication from IPGCL & PPCL (letter no.IPGCL&PPCL/Comml./SOC/F.29/149, dt.-16.01.2018) in which they have shared the requisite information. The letter is attached at SLDC annexure -1.

**OCC noted the above.**

## 5.2 Operating Procedure of Northern Region (145<sup>th</sup> NRPC OCC )

NRLDC has drawn out operating procedure of Northern Region as per the Regulations of Electricity Grid Code. One of the important aspects with regard to Delhi system is the feeders identified in case of physical Regulation.

The context from the 145<sup>th</sup> NRPC Meeting is as under :

*As per Indian Electricity Grid Code (IEGC), in respect of demand control, all efforts must be made to avoid situation of low frequency. The chapter on demand estimation and control may be referred for this purpose. Hon'ble CERC in its order in petition no 125/MP/2012 also directed to have the list of radial feeders which can be opened on the directions of NRLDC to regulate the demand. List of such radial feeders has been provided by respective utilities and is part of 'Operating Procedure of Northern Region'.*

*In view of continuous network change and high demand period during summer, it is desirable to have updated list of feeders. Thus, each state control area is requested to update the information of feeders that can be used for demand regulation by NRLDC (in addition to action by SLDC).*

*Following are the attributes for such feeders:*

- a) Feeders shall be radial in nature*
- b) Usually shall have substantial load flow so that effective change can be experience on opening of such lines.*

<b>Feeders for physical regulation of supply in delhi</b>				
S.No.	Transmission elements to be opened	Power supply interruption in	Approx. Relief (MW)	Remarks
1	220KV Mundka- Peeragarhi ckt 1 & 2	Peeragarhi	100-150	
2	220KV BTPS- Okhla 1 & 2	Okhla	200-350	
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	200-300	Reliability of VIP load from Lodhi road may be affected
5	220KV Maharani Bagh -Masjid Moth D/C	Masjid Moth		

**OCC members updated the above.**

## 5.3 Shutdown availed by O&M Department involving consent of NRLDC and PGCIL.

In the recent time, it has been observed that DTL O&M department requested SLDC to provide the shutdown of various lines connected with power grid stations on real time basis. The matter was already deliberated in last OCC and it was decided that shutdowns involving consent of NRLDC and PGCIL shall be planned ahead of NRPC shutdown committee but the same was not followed in the true spirit.

O&M officials of DTL still requesting SLDC to provide the shutdown of various lines which require approval of NRLDC in real time basis which is not possible to arrange by SLDC in short span of time.

It is therefore requested that O &M , DTL shall be directed to refrain from availing such shutdowns in real time. In case of any unplanned activity or exigency atleast 03 clear working days shall be provided to SLDC to co-ordinate with PGCIL and NRLDC.

**The matter was deliberated and it was advised by OCC that the planned shutdowns of interstate lines for next month be put for NRPC OCC by 5<sup>th</sup> day of each month.**

#### **5.4. TTC/ATC OF DELHI CONTROL AREA :**

NRLDC has made presentation on summer preparedness for northern region in 145<sup>th</sup> NRPC OCC meeting and raised concern over TTC/ATC for northern region states.

The Delhi ATC/TTC calculated by NRLDC keeping the constraints in Delhi system is 4750/5050 respectively. The communication received from NRLDC is placed as SLDC Annexure-2.

**OCC noted and directed that DTL Planning deptt. will study the system constraints as mentioned by NRLDC at Annexure-2. SLDC to follow up further with DTL Planning deptt. Further, load flow analysis be done by SLDC.**

**(Action by DTL Planning deptt./SLDC)**

#### **6. TPDDL Agenda**

##### **6.1 Post facto Correction of Implemented schedule**

TPDDL is controlling their drawl based on the real time schedule. The changes made in the schedule on post facto basis have led to imposition of huge penalties on TPDDL.

The real time scenario and deviations mentioned in final bill is very much different. TPDDL is facing lot of difficulty in intra-day scheduling due to arbitrary adjustment in implemented schedule by energy account at the time of REA and DSM bill.

Some of the examples are:

##### **1. Tata Power-DDL experienced a lot of penalty due to non-communication of Delhi SLDC operation staff and energy accounting staff.**

There are many instances where on account of grid security, Utilities have co-operated with each other with URS power, our own entitlement power sharing etc. during real time. However the information was not properly conveyed to energy accounting team, as result effort of real time power management goes into vain when the same is not reflected in respective book of accounts.

We have faced the same issue in DSM account of WEEK-33 and Week-37. We have communicated the same to energy account team vide letter and e-mail **(Copy enclosed in Annexure-1)**

##### **2. Methodology of adjustment in real time schedule**

We have raise the issue of inappropriate adjust distribution to energy account team through e-mail and letter **(copy enclosed in Annexure-2)**. We are not agree with methodology of adjustment, However no action being taken from Delhi SLDC. We are requested to call a meeting with all stakeholders and finalised the procedure. The same was also not arranged by Delhi SLDC.

Few such observations are as follows:

- When any generator generates power more than declared capacity i.e. SG is more than DC then the excess generation should be the sole part of DSM for that generator. However in current process, Delhi SLDC is distributing this excess generation within all entities.
- Distribution of excess generation is in the ratio of schedule from ABT software which is incorrect methodology. It should be in ratio of % entitlement.
- Any Discom should not be scheduled power more than his entitlement, except when asked for URS by concerned Discom.

### **3. Scheduling of CCGT Bawana**

We have faced a lot of issue in scheduling of CCGT bawana on real time scheduling and post correction of the same in implemented. Share of Haryana and Punjab are deducted manually from total CCGT schedule in excel. We have faced forced scheduling of CCGT due to error in excel calculation. Many such instances were highlighted to energy account team through e-mail and letter (**Copy enclosed in Annexure-3**)

#### **Enclosure:**

##### **TPDDL Annexure-1**

Letter under bill dispute notice for week-33

Letter under bill dispute notice for week-34, 35 and 36

Letter under bill dispute notice for week-37

##### **TPDDL Annexure-2**

Letter Methodology of Difference Adjustment in DSM bill

##### **TPDDL Annexure-3**

E-mail to energy account dated 22<sup>nd</sup> Feb 2018, 21<sup>st</sup> Feb 2018, and 14th Nov 2017

Letter under bill dispute notice for week-34, 35 and 36

**OCC advised that the issue be sorted out by mutual meeting between SLDC and TPDDL.**

### **7. BYPL Agenda**

#### **7.1 Safety issue at RPH O/G ckt.**

(i)On 24th March 2018 at 10:45 Hrs, BYPL System operation requested SLDC to trip and isolate 33 KV Bay No-12 from 220 KV Rajghat station. After getting confirmation from SLDC regarding isolation of feeder and earthing at IG Stadium grid end, BYPL SO issued PTW to our staff at IG Stadium grid.

(ii)On dt.-26th March at 12:04 Hrs, BYPL SO received a call from IG stadium grid regarding heavy flash and sound on 33 KV Bay No.12 incomer side, which was already under shutdown and earthed.

(iii)BYPL SO, in turn, immediately contacted with SLDC to enquire about the case and provide status/position of Bay No.-12 at Rajghat end.However, staff at SLDC was not aware of any operation at Rajghat end.

(iv)After enquiry by SLDC from Rajghat staff, it was learned that, Bay no.-12 was somehow charged by Rajghat staff without any instruction of SLDC.

(v)This was a serious safety lapse, wherein an isolated feeder was charged without any request by BYPL SO and also without any instruction issued by SLDC to Rajghat staff.

In view of this serious incident, it is requested to SLDC to kindly look into the matter and inform BYPL about the reasons and take all possible measures to avoid such incidents in future.

**The matter was deliberated and OCC advised that the case be investigated by GM(O&M)-II and shall submit the report to OCC. BYPL to take up the matter with GM(O&M)-II.**

## **7.2 Removing of towers/gantries of idle 66kV O/H line at DTL 220kV Patparganj Sub-stn.**

From DTL, 220 KV Patparganj Grid, the following ckts. have been converted into U/G 66 KV cable,

- 1) PPG-GH1 ckt-1
- 2) PPG-GH1 ckt-2
- 3) PPG-MVR ckt-1
- 4) PPG-Khichripur ckt-1

Now the Towers and Gantries of the idle O/H line are required to be removed. DTL O&M team wants the approval for dismantling the same and to get the scrap material removed and transported from inside PPG 220 KV Grid.

**The matter was deliberated and it was advised by OCC that BYPL should take up the matter with GM(O&M)-II to sort out the issue.**

## **8. DTL Agenda**

### **8.1 Arrangement of Free Time Block of Delhi - Fazilka railway crossing (Northern Railways) for carrying out Mtc. work.**

Mgr.(O&M),N-3,DTL have informed that T/L towers of 220kV D/C KNJ-NJF (&MDK) Lines (**Delhi - Fazilka railway crossing**) line section was thoroughly inspected in presence of AM(T)s and the below mentioned works are required to be carried out on urgent basis before onset of summer season (of 2018) for obviating any untoward situation due to any breakdown/ failure of equipments of this line-

#### **Repairs required at the section between T.No.-175 and T.No.-176 crossing the Delhi - Fazilka railway crossing:-**

B-Ph (Bottom) Conductor of KNJ-NJF is required to be changed for repairing/ replacing the dead end connection and Y-Ph(Middle) conductor of KNJ-MDK is required to be changed for repairing/ replacing the dead end connection at T.No.-175.

In view of above, DTL has requested for Free Time Block from Northern Railways on top priority basis.

The T&P and labour etc. shall be arranged at DTL end.

**The following was deliberated and mutually agreed upon by all OCC members including the representative of Northern Railways:-**

**(i)DTL shall coordinate with the concerned person of Northern Railways for providing free time block for carrying out the requisite maintenance work on 220kV O/H lines.**

**(ii)Northern Railways will provide the free time block on priority basis for carrying out the maintenance work on 220kV O/H lines to avoid any untoward incident.**

NOTE:-The MOM of OCC meeting can also be seen on DTL website ([www.dtl.gov.in](http://www.dtl.gov.in)) under the Tab “News and Information – OCC Meeting”.

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