

	<p>DELHI TRANSCO LIMITED (A Govt. of NCT of Delhi Undertaking) An ISO 9001:2015 certified company Office of Mgr. (T) OS-II IInd Floor, ERP centre, SLDC Minto Road, New Delhi-110002 Website:-www.dtl.gov.in</p>
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No. F.DTL/2018-19/Mgr.(OS)-II/50

Date:17.12.2018

To,

All Members of Operation Co-ordination committee

DTL	General Manager (O&M)-I, Chairman OCC General Manager (O&M)-II General Manager (PMDM&S) General Manager (Planning) General Manager (C&MM) General Manager (Civil) 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	Vice President (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
BTPS	AGM (EEMG)
BBMB	Sr. Executive Engineer, O&M
DMRC	Addl. GM (Elect.)

Sub :- MOM of 8th (2018-19) Delhi OCC Meeting held on 05.12.2018 at DTL, 220kV Sub-Stn Park Street Building.

Dear sir/madam,

Enclosed please find herewith the Minutes of Meeting of 8th (2018-19) Delhi OCC meeting held on **05.12.2018** in the office of GM(O&M)-I, Delhi Transco Ltd. at 220kV Sub-stn Park Street Building, Opp. Talkatora Stadium, Near R.M.L. Hospital, New Delhi-110001.

The same is also available on DTL website, www.dtl.gov.in under the Tab "News and Information" – OCC Meeting".

Thanking You.

Yours Sincerely,
sd/-
(Shankar Kumar)
Mgr.(T) OS-II

Copy for favour of kind information to:

- (i)Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-17.
- (ii)Chairperson & Managing Director, DTL.
- (iii)Director (Operations), DTL



Mgr.(T) OS-II

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

MOM OF 8th (2018-19) DELHI OCC MEETING HELD ON 05.12.2018

Chairman, OCC welcomed all the members and representatives present in the meeting. List of the officers attended the meeting is enclosed as annexure.

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

1. Confirmation of minutes of 7th (2018-19) Delhi OCC meeting held on dated 23.10.2018.

The 7th (2018-19) Delhi OCC meeting was held on 23.10.2018 in accordance with the agenda circulated vide letter dt: 18.10.2018. Minutes of the aforesaid OCC meeting were issued vide letter dt.02.11.2018. The same was also uploaded on DTL website.

No comments were received from the participated members on the contents of MOM.

As such the minutes of 7th (2018-19) Delhi OCC meeting held on dated 23.10.2018 were confirmed.

2. DTL AGENDA POINTS:

2.1 HTLS re-conductoring work on 220 kV overhead transmission line Mehrauli Tuglakabad Ckt-I.

(a) Permission for crossing DMRC metro line Yellow line in between Chatarpur to sultanpur metro stations for HTLS re-conductoring work on 220 kV overhead transmission line Mehrauli-Tuglakabad Ckt-I.

HTLS reconductoring work on 220 kV overhead transmission line Mehrauli-Tuglakabad Ckt-I has been scheduled from 10.12.2018 to 30.12.2018. The subject 220 kV transmission line is crossing over DMRC yellow line in between Chatarpur to Sultanpur metro stations. For safe working during HTLS reconductoring work, we require permission for crossing the HTLS conductor over metro line for 3 consecutive days (during night hours) in between 18.12.2018 to 30.12.2018.

The point was deliberated and DMRC gave its consent along with request to DTL to take this shutdown during weekend period which includes Friday, Saturday & Sunday during midnight hours from 1:00AM to 4:30AM.

OCC advised DMRC to depute its supervisor during completion of this work to ascertain the mandatory conductor clearance from DMRC infrastructure.

OCC requested to O&M, DTL to come up with proper schedule of above work & make sure that, in case of emergency the above circuit can be restored within time to meet the urgent load demand condition.

(Action by O&M, DTL and DMRC)

(b) Shutdown of Mehrauli-Tugalkabad ckt-1&2 during HTLS termination of Ckt-1 at Tuglakabad Substation.

HTLS reconductoring work on 220 kV overhead transmission line Mehrauli-Tuglakabad Ckt-I has scheduled from 10.12.2018 to 30.12.2018. It has been observed during site visit that for safe working during termination of HTLS conductor at Tuglakabad end (Gantry within Substation), shutdown of both ckt 1 & 2 is required, as the ckts conductors are placed vertically at Tuglakabad end within same ROW.

OCC deliberated that the shutdown of both ckt. can be availed preferably on Sunday (for one day only).

(Action by O&M, DTL)

2.2 Power evacuation plan for newly commissioned/to be commissioned R.K. Puram, Tughlakabad, Pappankalan-III and Preet Vihar.

Discoms were requested to submit the schedule for evacuation plan upto March 2019 for newly commissioned/to be commissioned grids, i.e. R.K. Puram, Tughlakabad, Pappankalan-III and Preet Vihar for load optimization on DTL network.

BYPL informed that 02 nos. new 33kV feeders are going to be charged at 220kV Preet Vihar s/s before summer season and Preet Vihar s/s would be loaded upto 130MW.

BRPL informed that 4 nos. 33kV feeder and 1 no. 66kV feeder (V. Kunj B-Block) evacuating from R.K. Puram S/Stn will be charged by summer 2019.

It was further informed by BRPL that regarding power evacuation from Tughlakabad through 66kV Batra, M. Nagar feeder upto the tune of 100 MW can be expected by summer 2019 which will give load relief to Mehrauli and Okhla.

Power evacuation via G-II from PPK-III may also be expected by summer 2019.

OCC has already advised planning deptt. DTL to take up this matter with Discoms in upcoming steering committee meeting to optimize the load at subjected under-loaded sub-stations in line with above Discoms to put all out efforts for minimum 50% loading by march-2019 against capacity of these sub-stations, so that the load relief can be provided on other over loaded Transformers & sub-stations.

In this regard O&M, DTL requested BRPL to draw max. load on 66kV Batra & 66kV Malviya Nagar feeders emanating from Tughlaqabad s/s to ease the load condition at 220kV Okhla & Mehrauli s/stns. In this regard BRPL submitted that 02 nos. feeders namely Okhla & Mohan Co-operative Industrial Area will become operational by March-2019 to maintain the load demand in this area.

BYPL informed that 02 nos. 33kV Dwarkapuri feeders at Preet Vihar will become operational from Feb-2019. It will provide load relief to 220kV South of Wazirabad s/stn.

It was also informed by BRPL that 66kV G-2 ckt from 220kV PPK-III s/stn will become operational by Feb-2019. It will bring load relief to 220kV PPK-1 s/stn.

OCC requested Discoms to provide the status of their ongoing projects to provide the load relief at overloaded s/stns during upcoming summer season. The detail of status of ongoing projects includes:

(i) Name of Feeder

(ii) Route Length (in Kms.)

(iii) As on date status of erection/ termination (in Kms.)

(iv) Scheduled date of completion

OCC also requested to provide the current status of below mentioned feeders:

(a) 66kV Okhla & Mohan co-operative Industrial Area at 220kV Tughlaqabad s/s.

(b) 66kV Vasant Kunj B-Block ckt at 220kV RK Puram s/s.

(c) 66kV G-2 ckt at 220kV PPK-III s/s.

OCC requested all DISCOMs to expedite for early completion of all pending projects to provide load relief at over loaded s/stns such as 220kV Okhla, Mehrauli, PPK-I, Najafgarh, Kanjhawala, Patparganj, Rohini-I, Shalimarbagh, South of Wazirabad, & Park Street etc.

OCC advised that the issue for load relief to 220kV overloaded s/stns & Transformers has been discussed no. of times in OCC meeting & if load shedding takes place in upcoming summer season then it will be on account of respective DISCOMs.

(Action by all DISCOMs & Planning deptt. DTL)

2.3 Proposed planned shutdowns of O&M, DTL for the month of Dec 2018.

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

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

3. SLDC Agenda

3.1 System study for capacitor requirement in NR for year 2019-20.

The matter is a regular agenda in NRPC OCC to do system study for capacitor requirement in Northern Region. NRPC has approved the capacitor requirement study at 11/33kV level from CPRI to obtain the true requirement of capacitor for FY 2018-19. In this regard all NR utilities were requested to give peak summer data (Load/Voltage) and details as per format approved in NRPC. The format for data is attached as Annexure-I. As such, all utilities are requested to provide data in required format.

As informed by SLDC, TPDDL & BYPL already submitted required details. OCC requested BRPL, NDMC, DMRC & MES to provide respective details.

(Action by BRPL, NDMC, DMRC & MES)

3.2 Requirement of data for the GIS based energy map being developed by Energy Division of NITI Aayog.

This is in reference to the agenda item no. 19 of 149NRPC OCC meeting. Energy Division of Niti Aayog is preparing a GIS based energy map, therefore, Member Secretary, NRPC has requested all Discoms / Power Department to furnish the information regarding the Name, Voltage level, Capacity Longitude and Latitude of 33kV & 66kV S/Stns and Lines. The format for data is attached as Annexure –II.

SLDC informed that TPDDL, BYPL, DMRC and Gencos have already submitted the required details. It was further requested that BRPL, NDMC, & MES to provide the requisite details.

(Action by BRPL, NDMC, & MES)

3.3 Cleaning and Replacement of porcelain insulators

In Delhi, power transmission lines are exposed to the high pollution levels along their routes. Such pollution levels with the onset of the winter season, lead to the frequent trippings and leading to breakdown and long outages of the transmission lines. These outages make the Delhi power system weak, thereby endangering the grid reliability and security. Therefore, in order to avoid/mitigate such trippings of lines during foggy (smog) weather in winter season, preventive actions like cleaning/washing of insulators, replacement to conventional insulators with polymer insulators has been recommended and are being taken every year.

A meeting was conducted by NRPC for cleaning and replacement work of conventional insulator on 15.10.2018 in which all utilities including Delhi were requested to take the preventive measures to mitigate fog related trippings during winter season and to ensure proper submission of data in line with the discussions held in the meeting.

As per previous trends, foggy conditions generally prevail after first week of December. O&M Department of DTL may be requested to avail the opportunity for cleaning and replacing porcelain insulators especially lines originating from 400kV S/Stns, Generating Stations and passing through high polluted areas.

O&M, DTL submitted its progress report regarding replacement of porcelain insulators with polymer insulators. DTL requested TPDDL to provide shutdowns of 33kV transmission lines cross beneath 220kV Bawana-Shalimarbagh lines. TPDDL gave their consent to provide shutdown to finish insulator replacement works.

(Action by TPDDL & DTL)

3.4 (i) High Voltage Operation of the Grid during Winter nights.

This issue is regular agenda of Delhi OCC and being continuously discussed in OCC meeting from Oct-17 onwards. OCC has advised DTL to take various steps to sort out the problem of high voltage conditions and injection of reactive power particularly during high voltage conditions in winter months. Following steps were deliberated In the OCC meeting 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. DTL has changed Taps positions of most of the transformers at 220kV S/Stns
- 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.

Inspite of taking all out efforts mentioned above, there was hardly any change in the status. Delhi has to pay heavy amount to NRPC reactive pool account due to injection of reactive

power particularly during high voltage conditions in winter months. Penalty amount increases with the progress of winter despite taking all possible steps to reduce reactive power injection during high voltage period. The details of NRPC reactive account bill from 16 Oct-17 onwards are as under:

S. N	Weeks	Payable by Delhi (in Lakhs)	Receivable by Delhi (in
1	16.10.17 to 22.10.17	0	0.76038
2	23.10.17to 29.10.17	2.21401	--
3	30.10.10 to 05.11.17	7.36426	--
4	06.11.17 to 12.11.17	19.35212	--
5	13.11.17 to 19.11.17	21.28275	--
6	20.11.17 to 26.11.17	29.15394	--
7	27.11.17 to 03.12.17	29.81707	--
8	04.12.17 to 10.12.17	22.52029	--
9	11.12.17 to 17.12.17	23.21933	--
10	18.12.17 to 24.12.17	35.94213	--
11	25.12.17 to 31.12.17	43.03881	--
12	01.01.18 to 07.01.18	36.49079	--
13	08.01.18 to 14.01.18	42.91450	--
14	15.01.18 to 21.01.18	41.34701	--
15	22.01.18 to 28.01.18	38.91308	--
16	29.01.18 to 04.02.18	31.09848	--
17	05.02.18 to 11.02.18	32.31199	--
18	12.02.18 to 18.02.18	47.73575	--
19	19.02.18 to 25.02.18	57.79202	--
20	26.02.18 to 04.03.18	50.24540	--
21	05.03.18 to 11.03.18	28.25996	--
23	19.03.18 to 25.03.18	27.74425	--
24	26.03.01 to 01.04.18	23.38106	--
Total		718.48628	

Time and again DTL has been advised at various form for early commissioning of Reactors at various locations based on the feasibility study conducted by DTL, the 40th Standing Committee Meeting of CEA held on 13.07.2018. DTL/PGCIL were advised to install reactors at the following locations.

S. No	Name of the Grid	Voltage level	Reactors proposed in MVAR	Remarks
1	Mundka	400kV	125	To be installed by DTL.
2	Bamnauli	220kV	2X25	
3	Indraprastha	220kV	2X25	
4	Harsh Vihar	220kV	2X50	
5	Electric Lane	220kV	1X50	
6	Mundka	220kV	25	
7	Peera Garhi	220kV	1X50	
8	Maharani Bagh (PG)	400kV	125	To be installed by Power Grid.
9	Mandola(PG)	400kV	125	
Total		700		

Planning Department of DTL has prepared the scheme for installation of reactors at various locations as under:-

S.N.	Bus Name	Voltage Level (kV)	Reactor MVAR)	Current status
1.	Mundka	400	125	The scheme for 125 and 25 MVAR at 400 KV Mundka substation has been finalized and under costing. For rest the schemes are under preparation.
2.	Bamnauli	220	2x25	
3.	Indrapastha	220	2x25	
4.	Harsh Vihar	220	2x50	
5.	Electric Lane	220	1x50	
6.	Mundka	220	25	
7.	Peeragarhi	220	1x50	
8.	Maharani Bagh (PG)	400	125	To be installed by Powergrid
9.	Mandola (PG)	400	125	

Planning Department may be requested to explore the possibility for early commissioning of reactors as decided in the 40th Standing Committee Meeting of CEA held on 13.07.2018.

OCC took this issue on serious note & requested all members to put all out efforts to maintain the healthy voltage during low load condition in winter season. It was informed that DTL has already reduced its Transformer tap position to control voltage at their end. OCC requested all DISCOMs to keep their Transformer Tap position at minimum level to control the system over voltage & maintain the healthy voltage profile at customer end.

OCC requested DMRC to provide the study details and status of reactors to be installed at DMRC end.

(Action by all DISCOMs, DMRC & DTL)

3.4 (ii) MVAR injection by Discoms

TPDDL and BRPL are injecting Reactive energy at high voltage which is affecting the system voltage. In the month of October 2018, the Reactive energy injected by TPDDL and BRPL are as under:

TPDDL: (-) 22.0919 Mus

BRPL: (-) 25.0591 Mus

The matter was discussed and OCC advised TPDDL and BRPL to take the necessary action to control Reactive energy injection at high voltage particularly during the winter season.

(Action by TPDDL, BRPL)

3.5 Energization of new elements.

It is observed that while charging the new elements all the formats requires to be submitted to SLDC are not provided by the constituents. It is requested that the format available at NRLDC website related to charging of the new elements shall be submitted to SLDC alongwith PTCC clearance.

This agenda was deliberated with all members and OCC requested to all DISCOMs to submit the filled enclosed annexure along with necessary documents at the time of energization of new elements.

3.6 Status of Implementation of Recommendations of Enquiry Committee on Grid disturbances on 30 and 31.07.2012.

This is in reference to the agenda item no. 14 of 150 NRPC OCC meeting. The Status of Implementation of Recommendations of Enquiry Committee on Grid disturbances on 30 and 31.07.2012 is not updated by DTL and Delhi Genco's to NRPC.

SLDC Delhi has raised this agenda in previous Delhi OCC Meeting also. Further DGM (SO) has also written letter to all the utilities to provide the details to NRPC with a copy to SLDC.

This agenda has already been discussed in the GCC meeting.

3.7 Inability of PPCL Bawana for power generation on 12.11.2018 as per the DC.

On dt.-11.11.2018, BRPL had given consent to bring additional half module of CCGT Bawana dedicated to BRPL w.e.f. 07:00 hrs. of 12.11.2018, but Bawana was unable to bring the required generation on bar despite giving of DC of 1050 MW at 07.00 hr., which has led to OD in real time beyond the provided limit. It is still not sure when required generation would be available. PPCL is hereby requested to bring additional module of Pragati Stage dedicated to Bawana as soon as possible. The communication between BRPL,SLDC and PPCL is enclosed as "Annexure-PPCL Bawana DC".

During discussion PPCL submitted that,

- As highlighted above the meaning of the line "***It is still not sure when required generation would be available***" is not valid at this point of time.
- From the line "***PPCL is hereby requested to bring additional module of Pragati Stage dedicated to Bawana as soon as possible***" again it is not clear which module is dedicated to whom?

The facts of the matter are summarized below for consideration of the members of OCC:

1. CCGT-Bawana had declared its capacity for 12.11.2018 as under:

2018/11/11 05:51	CCGT11112018/01	D.C for dated 12.11.2018 will be as follows From 00:00Hrs to 04.00Hrs :1075 MW (315MW CCNG + 285MW CCRLNG + 475 MW CCSPOT),From 04:00Hrs to 09.00Hrs : 1050 MW (315MW CCNG + 285MW CCRLNG + 450 MW CCSPOT), From 09:00Hrs to 24.00Hrs : 1100 MW (315MW CCNG + 285MW CCRLNG + 500 MW CCSPOT)
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2. CCGT-Bawana received the first message from SLDC as under:

2018/11/11 21:45	SLDC11112018/01	please bring one additional GT(unit#4) on close cycle w.e.f 10:00 hrs of 12.11.2018 and maintain your generation at MTL
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3. CCGT-Bawana received the second message from SLDC as under:

2018/11/11 23:51	SLDC11112018/02	please bring one additional GT(unit#4) on close cycle w.e.f 07:00 hrs of 12.11.2018 and maintain your generation at MTL Time of bringing has been revised from 10:00hrs to 07:00 as per request from BRPL
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4. CCGT-Bawana received the third message from SLDC as under:

2018/11/12 01:08	SLDC12112018/01	Kindly Bring full module-2 from 10:00 hrs & Additional half module -1 exclusively for BRPL from 07:00 hrs
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5. It is evident that whereas the second message carried the instruction to bring GT #4 on Closed cycle from 07:00 hrs, the third message- the final and binding instruction on the matter- carried the instruction to bring module-2 from 10:00 hrs and half-module-I from 07:00 hrs.
6. As the operation of **half-module-I** had been instructed at 01:08 hrs with desired MTL load at 07:00 hrs, **the time available for abiding the instructions was less than six hours** which was way below the startup time needed by the machine in a cold-condition.
7. Without getting confrontational over the specific times for specific modules instructed by SLDC, CCGT-Bawana apprised the above constraint to SLDC indicating delayed generation from Module-I as under:

2018/11/12 01:50	CCGT12112018/01	In reference to message no. SLDC12112018/01, it is to inform that we are going to start the process of Generation from Module I but since it is cold Startup of STG-1, it will take around 8 hrs. for Combined cycle generation. GT will run around 25 MW in open cycle till STG-1 sync. and schedule will be required for that accordingly.
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8. There was no revision in instructions from SLDC despite the constraint having been brought out clearly.
9. CCGT-Bawana went ahead with bringing half-module-I at MTL and full-module-II vigorously, and had both modules at desired operating loads by 11:36 hrs.
- 10. It is evident that lack of appropriate communication regarding module-II to be paralleled first was primarily responsible for any Overdrawl that may have occurred. By no means could it be alleged as an inability of CCGT-Bawana to generate as per their DC.**
11. In fact the ability of CCGT-Bawana to fulfill its generating capability, and the impact appropriate communication/ instructions from SLDC can have on the desired outcome, can be gauged well from the following:

2018/11/19 00:27	SLDC19112018/01	Kindly bring Additional half module (GT-3)CC wef 09:00 hrs on 19.11.2018
2018/11/19 08:10	CCGT19112018/04	We are going to parallel HRSG#3 with HRSG#4 .Load will be increased in ramp up mode as follows . From 0830 to 08:45 Hrs : 330MW, 08:45 to 0900 Hrs: 380 MW

		,09:00 Hrs onwards : 430MW (As per MTL) After that as per the schedule. RDC , MTL punched accordingly .
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It is further requested by PPCL that:

- I. Communication from SLDC should be clear and time lined so that desired generation can be delivered in time as per the Startup time required and the Ramp up rate, already submitted with SLDC.
- II. SLDC should indicate the generation desired from PPCL, Bawana, instead of giving instructions to start a specific GT or Module. It is prerogative of the Generator to decide, about the machine to deliver the required generation.

During deliberation, it was felt necessary that communication flow between the DISCOMs, Generators and SLDC be done in better coordinated manner for overall improvement in the system.

SLDC representative informed that even though there was certain confusion regarding the timings of bringing which unit, but it is clear from the messages that PPCL was fully aware of the need to bring at least one half module by 1000hrs, however the units were brought at desired operating loads by only by 11:36 hrs, which itself is a delay of around 96 minutes.

After detailed deliberations, OCC confirmed that the above situation arose mainly due to miscommunication between SLDC & PPCL. OCC requested PPCL to submit the Machines full operation of load during open/ closed cycle, cold/ hot stage for optimum operation of machine along with respective operation time to SLDC and OCC to avoid any such kind of miscommunication in future.

(Action by PPCL & SLDC)

4.BRPL Agenda

1. 220KV Najfgarh
100 MVA PTR's
Station is running on over load condition.
Augmentation of 100 MVA to 160 MVA is to be done before summer 2019.
20 MVA PTR's
All three PTR's are running on overload and local shedding was being carried out in summer 2018.
Augmentation of 2X20 MVA to 2X31.5 is to be done before summer 2019.
2. 220KV Okhla
100 MVA PTR- Damaged
Replacement of damaged PTR is to be done before summer 2019.
Augmentation of 100 MVA to 160 MVA is to be done before summer 2019 to cater load which is on increased trend.

3. 220KV Vasant kunj
160 MVA PTR- Damaged
Replacement of damaged PTR is to be done before summer 2019 to cater the load which is on increased trend and to have redundancy at 220KV level.
4. 220KV Bodella-2
New 220KV Station at Bodella-2
In view of recent summer season there was a necessity for energization of new 220KV station at Bodella-2 which is already an approved scheme at DTL level. Following grids will get benefitted with this scheme and other near by DTL stations will also get benefit of ease of loading.
Bodella-2, G- Matiala, Pankha Road, 220KV Najafgarh, 220KV PPK-2 etc
5. 220KV Lodhi Road
100MVA PTR –Damaged
Third 100 MVA PTR still under damaged condition need to be revive before summer season 2019 to have increased redundancy at 220KV level.

The above issues of DTL has already been discussed in GCC.

Other Issues

1. 66KV Rewari Line
1. A 66KV Feeder Rewari line to Sagarpur
TPDDL managing load of BRPL (Vishal grid and one 66/11KV PTR at Rewarline) on this feeder feeding from BRPL grid (Sagarpur). We need this load should run on TPDDL incoming source during peak summer season to meet the load of summer season and to relieve overloaded 220KV PPK-1 DTL station.
1. B Delayed response in issuing of PTW form 66KV Rewarline grid.
In case of any outage on feeders isolation and issuance of PTW comes under TPDDL jurisdiction. Most of the time it is taking longer time causing delayed power restoration. TPDDL asked to provide assistance regarding this.
2. DR reports
To study, analyse and to find out the reason of breakdowns we need DR (disturbance record) on need basis on outgoing feeders of TPDDL s/stns. We need continuous support in providing DR report as when BRPL protection team ask for.
3. Relay Setting & coordination
We observed some outgoing feeders from TPDDL running on low load limit settings in comparison to actual capacity of feeder caused unwanted overload tripping. We need transparency and coordination needed on this. Load limit settings need to shared and finalised in mutual consent.

OCC deliberated that the above issues be got resolved by TPDDL.

(Action by TPDDL)

4.TPDDL Agenda

4.1 Clubbing of Shastri park-Pusa cable.

The cable of Shastri Park and Pusa grid will be clubbed under project work. As per today scenario there are 2 no's of ckt at pusa grid i.e. Shastri park ckt-1 and shastri park ckt-2. Both have cable capacity of 3X300 (XLPE). After clubbing the Ckt cable capacity will become 3X300 (XLPE) * 2 , so there will be requirement of revision of CT ratio to 800 amp and relay setting at both ends. BYPL is requested to revise the CT ratio and relay setting.

OCC advised to refer this agenda to Steering committee meeting to deliberate the issue.

4.2 Requirement of complete grid outage by BBMB.

Request for shut down of complete grid of BBMB has been received. During this shut down, complete load of Rohtak road grid is required to be shifted. There are also ckts pertaining to BRPL and BYPL. BRPL and BYPL may share their consent for shifting their load.

It was informed by TPDDL that the shutdown has been postponed.

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

Members updated 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 14.12.2018
1.	33kV BAY -3 (IP – KILOKARI)	BRPL	22.02.2011	Clearance from Railways for laying down the 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.	66kV V.KUNJ INSTL.AREA-RIDGE VALLEY CKT.-I	BRPL	26.03.2017	UNDER SHUT DOWN. Expected by 30.01.2019.
3.	33kV ALAKHNANDA - OKHLA CKT.-I	BRPL	19.04.2018	BREAKER PROBLEM. Expected by 06.02.2019.
4.	33kV RIDGE VALLEY - KHEBAR LANE CKT.-II	BRPL	13.01.2016	'R' PH. SINGLE CABLE FAULTY. Expected by 30.01.2019.
5.	EXHIBITION GROUND-I-33kV INCONNECTOR	BRPL	30.05.2018	CABLE FAULTY. Expected by 12.02.2019.
6.	33kV LODHI ROAD - EXHIBITION GROUND-II CKT.	BRPL	10.10.2017	'R' PH. SINGLE CABLE FAULTY. Cable Weak. Can't take heavy load.
7.	33kV OKHLA PH.-II-JAMIA -T-OFF SARAI JULIENA CKT.	BRPL	14.08.2018	T-POINT SIDE JUMPER OPENED. T-point side Jumper opened else charged.
8.	33kV AMBIENCE MALL – V.KUNJ 'B' BLOCK T-OFF ANDHERIA BAGH CKT.	BRPL	24.10.2018	UNDER SHUTDOWN. T-point side Jumper opened else charged.
9.	20MVA PR.TR.-I AT VASANT KUNJ 'B' BLOCK	BRPL	16.11.2018	UNDER SHUT DOWN. Expected by 31.12.2018.
10.	66kV MUNDKA - NANGLOI CKT.	BRPL	08.05.2017	'B' & 'Y' PH. CABLE FAULTY. Expected by 19.01.2019.
11.	33kV MAYA PURI - REWARI LINE CKT.	BRPL	10.11.2018	LINE ISOLATOR BY PASSED. Expected by 24.12.2018.
12.	66kV PPK -I - BODELLA -I T-OFF PANKHA RD. CKT.	BRPL	18.11.2018	'R' PH. CABLE FAULTY. Expected by 26.12.2018.
13.	220kV WAZIRABAD - 66kV GONDA CKT.-II	BYPL	12.11.2018	'B' PH. CABLE FAULTY. Energized by 30.11.2018.
14.	33kV GURU ANGAD NAGAR - GEETA COLONY CKT.	BYPL	15.11.2018	BOTH CABLES FAULTY. Energized by 30.11.2018.
15.	66kV EAST OF LONI ROAD - GONDA CKT.-II	BYPL	16.11.2018	'Y' & 'B' PH. CABLE FAULTY. Energized by 30.11.2018.

16.	33kV GEETA COLONY - KANTI NAGAR CKT.-I	BYPL	18.11.2018	'Y' PH. SINGLE CABLE FAULTY. Energized by 30.11.2018.
17.	66KV MANGOLPURI-I - T-OFF NANGLOI CKT.	TPDDL	09.03.2018	CABLE FAULTY. Expected by 30.01.2019.
18.	33kV SHAHZADA BAGH - T-OFF RAMA ROAD CKT.	TPDDL	13.04.2018	CABLE FAULTY. Expected by 05.01.2019.
19.	220kV NARELA - 33kV AIR KHAMPUR CKT.	TPDDL	02.10.2018	CABLE FAULTY. As informed by TPDDL there is no supply source for this feeder from DTL end.
20.	220kV PARK STREET - 33kV BAIRD LANE CKT.	NDMC	14.11.2018	'B' PH. CABLE FAULTY. Energized by 30.11.2018.
21.	220/66kV 160MVA PR.TR.-III AT 220kV VASANT KUNJ	DTL	26.04.2018	TRANSFORMER BURNT DUE TO FIRE. TO BE REPLACED.
22.	33kV BUS COUPLER AT KASHMERE GATE	DTL		TRIPPING COIL PROBLEM.
23.	30MVA PR.TR. AT 220kV NARELA	DTL	11.08.2018	TRANSFORMER TO BE DE-CAPITALIZED.
24.	66kV BUS COUPLER AT 220kV PAPPANKALAN-III	DTL	24.06.2018	GAS PRESSURE PROBLEM. TO BE ATTENDED BY PGCIL STAFF. Attended on 27.11.2018.
25.	66kV CAPACITOR BANK AT 220kV NARELA	DTL	11.08.2018	66kV CAPACITOR BANK CELLS BLASTED AT 220kV NARELA. TO BE REPLACED.
26.	220/33kV 100MVA PR. TR.-I AT 220kV RPH STN.	DTL	03.09.2018	TRIPPED ON BUCHOLZ AND DIFFERENTIAL RELAY. PR. TR FAILED.
27.	220/66kV 100MVA PR. TR.-I AT 220kV OKHLA STN.	DTL	27.09.2018	'Y' PH. WINDING DAMAGED. PR. TR FAILED.
28.	400KV TUGLAKABAD - BAMNAULI CKT-I	DTL	12.10.2018	SHUT-DOWN FOR ERECTING TOWER NO.173 AT BAMNAULI. EXPECTED BY 30.12.2018.
29.	NAJAFGARH - 220/66kV 100MVA PR.TR.-I	DTL	24.10.2018	SHUT DOWN FOR COMPLETE OVERHAULING. Energized on 05.12.2018.

6. Additional Agenda

6.1 BRPL Additional Agenda

6.1 (a) High Voltage from 220KV DTL stations

BRPL is facing high voltage during light load conditions. When BRPL is requesting to reduce tap position, DTL station shift personnel refusing to do so. BRPL have requested to arrange tap reduction & share tap position status at DTL grids of all stations.

This issue has already been discussed at Agenda S.No.-3.4.

6.1 (b) Reactive power flow status data through ICCP

BRPL want to study and control reactive power flow on individual feeders MVAR drawl/injection through ICCP. BRPL have requested to allow them.

It was deliberated that the matter may be discussed with DGM (SCADA), DTL.
