DELHI TRANSCO LIMITED

(A Govt. of NCT of Delhi Undertaking)
An ISO 9001:2008 certified company
Office of DGM(T) OS
1st Floor, 220 kV Sub-Stn Park Street, Opp. Talkatora Stadium,
Near R.M.L. Hospital, New Delhi-110001
Website:-www.dtl.gov.in

No. F.DTL/2018-19/DGM(OS)/F-4/111 Date:12.03.2019

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)
	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 11th (2018-19) Delhi OCC Meeting held on 26.02.2019 at DTL, 220 kV Substaion Park Street Building.

Dear sir/madam,
Enclosed please find herewith the Minutes of Meeting of 11th (2018-19) Delhi OCC meeting held on 26.02.2019 in the office of GM(O&M)-I, Delhi Transco Ltd. at 220 kV Substaion 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/-
(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)

DELHI TRANSCO LIMITED

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

MOM OF 11th (2018-19) DELHI OCC MEETING HELD ON 26.02.2019

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 10th (2018-19) Delhi OCC meeting held on dated 05.02.2019.

The 10th (2018-19) Delhi OCC meeting was held on 05.02.2019 in accordance with the agenda circulated vide letter dt: 25.01.2019. Minutes of the aforesaid OCC meeting were issued vide letter dt.19.02.2019.The same was also uploaded on DTL website.

No comments were received, as such the minutes of 10th (2018-19) Delhi OCC meeting held on dated 05.02.2019 were confirmed.

2. DTL AGENDA:

2.1 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 up to 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 had inform that 02 nos. new 33 kV feeders would be charged at 220 kV Preet Vihar substation before summer season and Preet Vihar s/s would be loaded up to 130MW.

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

It was further informed by BRPL that power evacuation from Tughlakabad through 66 kV Batra, M. Nagar feeder up to 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 had also advised planning deptt. DTL to take up this matter with Discoms in 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 & substations.

In this regard O&M, DTL requested BRPL to draw max. load on 66 kV Batra & 66 kV Malviya Nagar feeders emanating from Tughlakabad s/s to ease the load condition at 220 kV Okhla & Mehrauli substations. It was also brought to the notice that only one 220/66KV 100MVA Transformer is available at present at Okhla. Replacement of the damaged transformer has already been planned with 160MVA Transformer for which orders are in place. As such till the commission of the new transformer at Okhla load has to be managed with the only one available transformer.

OCC requested BRPL that in case of exigency they must be ready to shift entire 66 kV load from 220 kV Okhla substation to other 220 kV substation. DISCOM must expedite to lay power cable of 66 kV Okhla & Mohan co-operative Industrial Area at 220 kV Tughlakabad s/s to avoid such kind of exigency at 220 kV Okhla substation.

In the previous OCC meeting, respective DISCOMS informed as under:-

(a) 66 kV Okhla & Mohan co-operative Industrial Area at 220kV Tughlakabad substation is expected to be operational in June-2019. However, OCC requested to expedite for its energization by May 2019.

(b) The work of 66 kV Vasant Kunj B-Block ckt at 220 kV RK Puram substation has been awarded & is expected to be functional by March-2019.

(c) The work of 66 kV G-2 ckt at 220 kV PPK-III substation has been awarded & is expected to be operational by March-2019.

(d) 02 nos. 33 kV Dwarkapuri feeders at Preet Vihar will become operational from March-2019. It will provide load relief to 220 kV South of Wazirabad substation.

OCC requested all DISCOMs to expedite for early completion of all pending projects to provide load relief at over loaded substation such as 220 kV Okhla, PPK-I, Najafgarh, Rohini-I, & Park Street etc.

OCC also informed that the issue for load relief to 220 kV overloaded substations & Transformers has been discussed several times in previous OCC meetings. DISCOMs were requested to complete their pending projects well in time before summer season in order to avoid load shedding.

BRPL was informed that they should remain prepared to shift the entire 66 kV load from Okhla in case of emergency as there is single 220/66 kV level 100 MVA transformer at Okhla at present. Therefore, the 66 kV Okhla & Mohan co-operative Industrial Area feeders be energized from Tughlakabad Sub-stn positively by May 2019.

The matter was deliberated and respective Discoms were advised to complete the work within the scheduled time to avoid the overloading of transformers/transmission elements during the upcoming summer season.

(Action by all Discoms)

2.2 Proposed planned shutdowns of O&M, DTL for the month of March 2019.

DTL O&M deptt. has proposed the planned shutdowns for the month of March-2019.

The shutdowns were deliberated and tentatively approved subject to real time conditions.

OCC opined that the shutdowns be availed during the lean demand season to avoid the breakdowns in upcoming summer season.

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 was circulated in previous OCC Meetings. As such, all Discoms are requested to provide data in required format so that same shall be submitted to NRPC after verification.

TPDDL, BYPL & MES have already submitted the required details and SLDC is verifying the details.

The details are still awaited from BRPL & NDMC. The delay from the respective Discoms leads to delay in submission of complete details of Delhi to NRPC and CPRI.

(Action by BRPL & NDMC)

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 was circulated in previous OCC Meetings.

TPDDL, BRPL, BYPL, MES, DMRC and Gencos have already submitted the required details.

The information is still awaited from NDMC. It is therefore requested to NDMC to provide the data at earliest. SLDC was advised to forward the available data to NRPC with the note that the details of the NDMC will be forwarded for which persuasion on the various level are being done, after its receipt.

(Action by NDMC)

3.3 : Status of Implementation of Recommendations of Enquiry Committee on Grid disturbances occurred 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.

Till date, Protection Department of DTL, PPS –I (Genco), GTPS and PPCL-Bawana has submitted the desired details.

The information is still awaited from Planning deptt., DTL.

(Action by DTL Planning deptt.)

3.4 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	26.03.18 to 01.04.18	23.38106	--
Total		**718.48628**	

DTL has been advised 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 as per following. 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 was 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.

(Action by DMRC, DTL, Gencos & DISCOMs)

3.5 Providing daily status by Discoms to SLDC

All the Discoms/deemed Licenses are requested to provide the following details on daily basis to SLDC before 09:00 AM as report is required to sent to GNCTD:

1. Energy Consumption
2. Load shedding
3. Peak demand along with time
4. Minimum demand along with time
5. Details of Breakdown

The matter was deliberated and OCC advised to send the above data positively by 8:00 AM everyday via email to dtldata@gmail.com, dtldata@yahoo.com . The contact no. of respective control room as provided by Discoms representatives are as under:-

1.BRPL, Sh. Asokan Pandiyan, Sr. Mgr.(SO)-BRPL, Mob. No.-9350718334

2.BYPL, Sh. Som Dutt Sharma, DGM(SO)-BYPL, Mob. No.-9968025754

3.TPDDL, Sh. Gurmukh Singh, Mgr.-TPDDL, Mob. No.-9810301460

4.MES, Sh. S.R. Meena, AGE(E/M)-MES, Mob. No.-8130750809

SLDC informed that they are not receiving the above details from the Discoms.

(Action by all Discoms)

3.6 Providing source of power supply and its alternate source for important establishments

All the Discoms/deemed Licenses are requested to provide the source of power supply and alternate supply arrangements of all important establishments (ex. important building, hospitals or any other essential services).

Sr. no.	Name of establishment	Details of main source of supply	Details of Alternate power supply

(Action by all Discoms)

4. 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	Energization / Expected date of outage	Updated Status of outage
1.	33kV BAY -3 (IP – KILOKARI)	BRPL	22.02.2011	.....NA…….	**CLEARNACE FROM RAILWAYS FOR LAYING UNDER GROUND CABLE NEAR BHAIRO ROAD IS PENDING.**
2.	33kV ALAKHNANDA - OKHLA CKT.-I	BRPL	19.04.2018	Expected by 30.03.2019	**BREAKER PROBLEM**
3.	33kV RIDGE VALLEY - KHEBAR LANE CKT.-II	BRPL	13.01.2016	Energized on 27.02.2019	`R' PH CABLE FAULTY. IT WILL BE REVIVED WITH SHIFTING OF OTHER CABLES AT RING ROAD.
4.	33kV BUS COUPLER AT TUGLAKABAD	BRPL	05.12.2018	Expected by 31.03.2019	'R' PH. CLAMP BLAST. BREAKER BY PASSED. **'R' PH. BREAKER LIMB BLAST. BREAKER BYPASSED.MATERIAL UNDER PROCUREMENT.**
5.	33kV BUS COUPLER AT SARAI JULIENA	BRPL	02.01.2019	Expected by 25.03.2019	**LIMB BLAST (BREAKER FAULTY)**
6.	33kV BAY -38 (IP - SUPREME COURT)	BRPL	07.02.2019	Expected by 16.03.2019	**UNDER BREAK DOWN**
7.	50MVA PR.TR.-III AT RIDGE VALLEY	BRPL	08.02.2019	Expected by 12.03.2019	**SHUT DOWN FOR OVERHAULING**
8.	33kV RIDGE VALLEY - VASANT VIHAR CKT.	BRPL	12.02.2019	Energized on 22.02.2019	SINGLE CABLE FAULTY
9.	66kV MUNDKA - NANGLOI CKT	BRPL	13.02.2019	Expected by 27.03.2019	'Y' PH. CABLE FAULTY
10.	25MVA PR.TR.-IV AT MATIALA	BRPL	18.02.2019	Energized on 2.03.2019	LT SIDE 'Y' PH. SINGLE CABLE FAULTY
11.	33kV PASCHIM PURI - PEERAGARHI CKT.-I	BRPL	18.02.2019	Energized on 11.03.2019	UNDER SHUT DOWN
12.	PASCHIM VIHAR - MUKHERJI PARK CKT.-I&II	BRPL	21.02.2019	Expected by 31.03.2019	UNDER SHUT DOWN
13.	220kV PATPARGANJ - 33kV KARKARDOOMA CKT.-I	BYPL	19.02.2019	Energized on 26.02.2019	'R' & 'B' PH. SINGLE CABLE FAULTY.

14.	66kV MANGOLPURI-I - T-OFF NANGLOI CKT.	TPDDL	09.03.2018		CABLE FAULTY. This section pertains to BRPL.
15.	66kV ROHINI-28 - ROHINI -6 CKT.-II	TPDDL	03.12.2018		CABLE FAULTY. R-Ph faulty.
16.	33kV SHALIMARBAGH (220KV) - WAZIRPUR-II CKT-II	TPDDL	15.02.2019	Energized on 25.02.2019	CABLE-1 FAULTY
17.	33kV LODHI ROAD - SHAHJAHAN ROAD CKT.	NDMC	15.02.2019	Energized on 26.02.2019	'B' PH. CABLE FAULTY.
18.	33kV BAY -10 (IP - ELECTIC LANE)	NDMC	19.02.2019	Expected by 06.03.2019	Ý'PH. CABLE FAULTY.
19.	220/66kV 160MVA PR.TR.-III AT 220kV VASANT KUNJ	DTL	26.04.2018		TRANSFORMER BURNT DUE TO FIRE. TR. TO BE REPLACED.
20.	33kV BUS COUPLER AT KASHMERE GATE	DTL			TRIPPING COIL PROBLEM.
21.	220/33kV 100MVA PR. TR.-I AT 220kV RPH STN.	DTL	03.09.2018		Transformer Damaged. Proposed to be replaced with 220/66/33kV transformer available at Gopalpur after the replacement of the same with the 160MVA new transformer. All out efforts are taken to shift the transformer by end of May 2019. Alternatively, new transformer is also being procured.
22.	220/66kV 100MVA PR. TR.-I AT 220kV OKHLA STN.	DTL	27.09.2018		The transformer is proposed to be replaced with 160MVA transformer for which orders have been placed.
23.	400KV TUGLAKABAD - BAMNAULI CKT-I	DTL	12.10.2018		SHUT-DOWN FOR ERECTING TOWER NO.173 AT BAMNAULI.
24.	PATPARGANJ - 220/33kV 100MVA PR.TR.-I	DTL	10.01.2019		TR. DAMAGED. TO BE REPAIRED. FOR WHICH TENDERING PROCESS IS UNDERWAY.
25.	SARITA VIHAR - 20MVA PR.TR.-I	DTL	07.01.2019		TR. DAMAGED. BEING REPLACED.
26.	220KV TUGLAKABAD - MEHRAULI CKT-I	DTL	17.02.2019		SHUT-DOWN FOR HTLS RECONDUCTORING WORK. EXPECTED BY 27.02.2019.
27.	220kV GAZIPUR - MAHARANI BAGH CKT.-I&II	DTL	19.02.2018		SHUT DOWN FOR PWD WORK ON BARAPULA FLY OVER. EXPECTED BY 26.02.2019.
28.	220/33kV 100MVA TR.-II AT RPH STN. & RPH-IP CKT.-II	DTL	21.02.2019		Shutdown taken for overhauling of OLTC due to abnormal formation of acetylene gas. BYPL raised the concern regarding necessity for revival of transformer by 13.03.2019 due to international cricket match at Firozeshah kotla ground on 13.03.2019. However, the transformer got damaged on 12.03.2019 just after charging. The failed transformer is being replaced with 220/66/33KV 100MVA transformer available at Gazipur.

Additional Agenda of TPDDL

1.Providing late information to TPDDL regarding any 11kV tripping from DTL grid.

TPDDL informed that on dt.-24th Feb'2019, an incidence happened when information about tripping of "MAGGO S/S NIA PH-1 (I/D) from 220 KV Naraina" feeder was given late to them. Feeder actually tripped at 12:20 hrs. but was informed to them at 12:35 Hrs. With new PA guidelines in place, it is very difficult to restore supply of customers within given timelines, if information is shared late.

The matter was deliberated and it was advised that DTL O&M deptt. should inform immediately to SLDC and Discoms about the tripping/breakdown of 11kV feeders.

TPDDL requested DTL to provide the CB status of 11kV feeders where already RTU/FRTU has been installed. OCC advised DTL to provide the CB status to Discoms where already RTU/FRTU provisions are available.

The meeting ended with vote of thanks to the chair.

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