



No. F.DTL/2018-19/Mgr(OS)-II/12

Date:-06.06.2018

To,
All Members of Operation Co-ordination committee

DTL	General Manager (O&M)-I, Chairman OCC General Manager (O&M)-II General Manager (Planning) General Manager (Protection, Metering, Safety & Disaster Mgmt.) DGM (O&M) - North, South, East, West DGM (M/P) DGM (Plg.)	Fax no. 011-23366160 Fax No.011-23622707
SLDC	ED (SLDC) DGM (SO)	Fax no. 011-23221069 Fax no. 011-23221059/12,
TPDDL	DGM	Fax no. 011-66050602
BRPL	Vice President (SO) Asstt. Vice President	Fax no. 011-39996549 Fax no. 011-39996549
BYPL	Asstt. Vice President (SO)	Fax no. 011-39996549
NDMC	Executive Engineer (M/F)	Fax no. 011-23235754
IPGCL	AGM (T) COS AGM (T) Opr. GTPS	Fax no. 011-23284797 Fax no. 011-23370884
PPCL	DGM (T) Opr. PPS-I DGM (T) Opr. PPS-III	Fax no. 011-23378947 Fax no. 011-27791175
MES	AEE/M.SLDC Officer	
BTPS	AGM (EEMG)	Fax no. 011-26944348
BBMB	Sr. Executive Engineer, O&M	Fax no. 011-28315542
DMRC	Addl. GM (Elect.) General Manager (Elect.)	
GMR(DIAL)	GM(DIAL)	Special Invitee

**Sub :- MOM of Delhi OCC Meeting (02/18-19) held on 24.05.2018 at DTL, 220kV Sub-
Stn Park Street Building.**

Dear sir/madam,

Enclosed please find herewith the Minutes of Meeting of Delhi OCC held on **24.05.2018** 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.(OS)-II, DTL

Copy for favour of kind information to:

1. Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-17.
2. Chairperson & Managing Director, DTL.
3. Director (Operations), DTL

Mgr.(OS)-II, DTL

DELHI TRANSCO LIMITED

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

MOM OF DELHI OCC MEETING HELD ON 24.05.2018

Chairman, OCC welcomed all the members and representatives present in the meeting with a brief power scenario of Delhi for the month of April 2018. List of the officers attended the meeting is enclosed as annexure. Delhi SLDC made a detailed presentation of Delhi Power Scenario for the month of April 2018 highlighting that Delhi peak demand recorded 5200 MW on 27.04.2018 at 15:34:34 hrs in the month of April-2018 and successfully met. Discom wise load as well as generation within Delhi during the peak and load curve for all the Discoms was presented. Planning of Grid operation for June 2018 was also discussed wherein it was apprehended that the anticipated peak demand for June 2018 likely to be around 7000 MW.

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

1. Confirmation of minutes of previous Delhi OCC meeting held on dated 20.04.2018.

The previous Delhi OCC meeting was held on 20.04.2018 in accordance with the agenda circulated vide letter dt: 16.04.2018. Minutes of the aforesaid OCC meeting were issued vide letter dt.01.05.2018. The same was also uploaded on DTL website.

No comments have been made from any of the participated members on the contents of MOM. As such the minutes of Delhi OCC meeting held on dated 20.04.2018 were confirmed.

2. DTL AGENDA POINTS:

2.1 Status of Hot Reserve of transformers at all levels.

The latest status of hot reserve of transformers as updated by DTL Planning deptt. are 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.
2.	400/220kV, 315MVA ICT	14		DTL Plg. Deptt. confirmed that the scheme is under preparation stage. OCC opined that in order to meet the continuous growth in demand, the 500 MVA Tr. needs to be commissioned at Bamnauli positively before April 2019. Accordingly schedule be prepared and to be apprise in next OCC meeting.
3.	220/66kV, 160MVA	22	2x160MVA	One 160MVA transformer would be kept as hot reserve and placed at Mundka. The scheme for 160MVA Tr.

				<p>as hot reserve at Mundka has been prepared and is under approval. The scheme for another 160MVA transformer as hot reserve at Mehrauli has been prepared and is under approval.</p> <p>OCC opined that considering the continuous growth in demand and in view of recent failure of transformers, both 160 MVA Trs. be commissioned at Mehrauli and Mundka Sub-stn positively by the end of FY 2018-19. Accordingly schedule be prepared and to be apprise in next OCC meeting.</p>
4.	220/66kV, 100MVA	42	1x100 MVA	<p>Steering Committee has already agreed for providing new 220/66kV, 100MVA hot reserve transformer at 220kV Papankalan-I by 2019-20. DTL Plg. Deptt. confirmed that the scheme for 100 MVA Tr. at PPK-I has been prepared and is under approval stage.</p> <p>OCC opined that considering the continuous growth in demand and in view of recent failure of transformers, the 100 MVA Tr. be commissioned at PPK-I Sub-stn positively by the end of FY 2018-19. Accordingly schedule be prepared and to be apprise in next OCC meeting.</p>
5	220/33kV, 100MVA	37	2	<p>The scheme for 100MVA transformer as hot reserve at Okhla has been prepared and is under approval. The scheme for one no. 100 MVA Trf as Hot reserve at Patparganj has also been prepared and is under estimation and financial vetting as intimated by Plg. deptt.</p> <p>OCC opined that considering the continuous growth in demand and in view of recent failure of transformers, the 100 MVA transformers be commissioned as hot reserve at Okhla and Patparganj Sub-stn positively by the end of FY 2018-19. Accordingly schedule be prepared and to be apprise in next OCC meeting.</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>																																								
7	33/11kV 16MVA	16		<table border="1" data-bbox="949 528 1465 1541"> <thead> <tr> <th data-bbox="949 528 997 645">S N</th> <th data-bbox="997 528 1114 645">Sub Station</th> <th data-bbox="1114 528 1225 645">Details of existing Tx.</th> <th data-bbox="1225 528 1348 645">Augmen tation Plan</th> <th data-bbox="1348 528 1465 645">Year</th> </tr> </thead> <tbody> <tr> <td data-bbox="949 645 997 770">1</td> <td data-bbox="997 645 1114 770">Lodhi Road</td> <td data-bbox="1114 645 1225 770">2 no 33/11k V 20MVA</td> <td data-bbox="1225 645 1348 770">2 no 33/11kV 25MVA</td> <td data-bbox="1348 645 1465 770">2018-19</td> </tr> <tr> <td data-bbox="949 770 997 896"></td> <td data-bbox="997 770 1114 896">Lodhi Road</td> <td data-bbox="1114 770 1225 896">2 no 33/11k V 16MVA</td> <td data-bbox="1225 770 1348 896">2 no 33/11kV 25MVA</td> <td data-bbox="1348 770 1465 896">2018-19</td> </tr> <tr> <td data-bbox="949 896 997 1021">2</td> <td data-bbox="997 896 1114 1021">Najafga rh</td> <td data-bbox="1114 896 1225 1021">2 no 66/11k V 20MVA</td> <td data-bbox="1225 896 1348 1021">2 no 66/11kV 31.5MV A</td> <td data-bbox="1348 896 1465 1021">2019-20</td> </tr> <tr> <td data-bbox="949 1021 997 1146">3</td> <td data-bbox="997 1021 1114 1146">Okhla</td> <td data-bbox="1114 1021 1225 1146">2 no 66/11k V 20MVA</td> <td data-bbox="1225 1021 1348 1146">2 no 66/11kV 31.5MV A</td> <td data-bbox="1348 1021 1465 1146">2019-20</td> </tr> <tr> <td data-bbox="949 1146 997 1272">4</td> <td data-bbox="997 1146 1114 1272">Sarita Vihar</td> <td data-bbox="1114 1146 1225 1272">2 no 66/11k V 20MVA</td> <td data-bbox="1225 1146 1348 1272">2 no 66/11kV 31.5MV A</td> <td data-bbox="1348 1146 1465 1272">2019-20</td> </tr> <tr> <td data-bbox="949 1272 997 1397">5</td> <td data-bbox="997 1272 1114 1397">Pappan kalan-I</td> <td data-bbox="1114 1272 1225 1397">2 no 66/11k V 20MVA</td> <td data-bbox="1225 1272 1348 1397">2 no 66/11kV 31.5MV A</td> <td data-bbox="1348 1272 1465 1397">2020-21</td> </tr> <tr> <td data-bbox="949 1397 997 1541">6</td> <td data-bbox="997 1397 1114 1541">Mehrau li</td> <td data-bbox="1114 1397 1225 1541">2 no 66/11k V 20MVA</td> <td data-bbox="1225 1397 1348 1541">2 no 66/11kV 31.5MV A</td> <td data-bbox="1348 1397 1465 1541">2021-22</td> </tr> </tbody> </table> <p data-bbox="949 1541 1465 2089">DTL Plg. Deptt. updated that 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. The scheme is pending for the last two years and hence OCC opined that the 25 MVA transformers be commissioned at Lodhi Road Substn positively by the end of FY 2018-19. Accordingly schedule be prepared and to be apprise in next OCC meeting.</p>	S N	Sub Station	Details of existing Tx.	Augmen tation Plan	Year	1	Lodhi Road	2 no 33/11k V 20MVA	2 no 33/11kV 25MVA	2018-19		Lodhi Road	2 no 33/11k V 16MVA	2 no 33/11kV 25MVA	2018-19	2	Najafga rh	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	Mehrau li	2 no 66/11k V 20MVA	2 no 66/11kV 31.5MV A	2021-22
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2	Najafga rh	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	Mehrau li	2 no 66/11k V 20MVA	2 no 66/11kV 31.5MV A	2021-22																																								

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 creation of PR
3	Najafgarh	2	2018-19	Under tendering stage
4	Okhla	1	2018-19	Under Approval
5	Mehrauli	1	2019-20	Under Approval
6	Patparganj	2	2019-20	Under Approval
	Total	8		

OCC opined that DTL should adhere the time lines of augmentation/replacement of Trs. as mentioned above. Monthly progress be apprised/updated in Delhi OCC meeting.

(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 Main tank/Accessories of 100 MVA Transformer has arrived at 220kV Naraina. The erection work is under progress.

The Tr. main tank has arrived at Preet Vihar Sub-stn. Its accessories/oil are yet to arrive.

The Tr. main tank and accessories has arrived at Lodhi Road Sub-stn. The Tr. oil is yet to arrive.

OCC advised to expedite for supply/erection of transformers at site to meet the peak summer .

(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 in the previous OCC meeting-

1. Representative of DTL C&MM deptt. had inform 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)

No representative of C&MM deptt. were available to update the current status. OCC opined that considering the continuous growth in power demand and in view of recent failure of transformers, the transformers are essentially required to be commissioned at various DTL Sub-stns. Express procurement be initiated and work be done on war footing basis to avert any untoward situation/crisis which may arise due to power supply failure. C&MM deptt. was requested to update the status in next OCC meeting.

(Action by C&MM deptt., DTL)

2. Representative of DTL C&MM deptt. had further inform that PR w.r.t availability of minimum inventory in Material Management Department is pending with finance department.

No representative of C&MM deptt. were available to update the current status. DTL O&M deptt. informed that spare inventory has not been procured till date. Min. inventory as discussed and finalized between O&M and C&MM deptt. be procured immediately.

OCC opined that the power demand is touching new record every year. As such to meet the continuous growth in power demand, spare inventory is essentially required to tackle the breakdown situation. Since the delivery period of each inventory is more than 6-8 months, as such express procurement be initiated and work be done on war footing basis to avert any untoward situation/crisis which may arise due to power supply failure. C&MM deptt. was requested to update the status in next OCC meeting.

(Action by C&MM deptt., DTL)

3. OCC further 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. **No representative of C&MM deptt. were available in the meeting. C&MM deptt. was requested to update the status in next OCC meeting.**

(Action by C&MM deptt., DTL)

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

The status of installation of reactors in DTL system as updated by DTL Planning deptt. are 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 substation 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	
8	Maharani Bagh (PG)	400	125	To be installed by Powergrid.
9	Mandola (PG)	400	125	To be installed by Powergrid.
TOTAL			700	

OCC opined that DTL have witnessed numerous trippings on overvoltage during the last winter season. This is a very serious problem encountered during winter seasons, when the transmission elements are lightly loaded. To overcome such problems, Reactors are essentially required to be commissioned before Dec 2018.

(Action by DTL Planning Deptt.)

2.5 Delay in 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 already been 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. Despite of repeated persuasions, the drawing approval from BTPS end is pending.

Representative of NTPC informed that there is already Main-I and Main-II distance relays commissioned on the above 220kV O/G feeders. OCC opined that Main-I distance relays be remain active and Main-II distance relays be removed from the Ckt. The line differential relays be commissioned in place of Main-II distance relays. NTPC was requested to approve the drawings accordingly. These lines are very critical and passes through encroachment areas. DTL Protection deptt. to follow up for the same.

(Action by BTPS)

2.6 Providing reliable LT supply (415V, 3 Phase) for 400kV S/stn Bamnauli DTL.

There are two numbers of 11kV feeders named BSF and Bamnauli from BSES for providing 415V, 3 phase LT supply at 400kV Substation Bamnauli.

On 13.05.2018 during heavy storm/ poor weather condition the LT supply get disrupted and took almost 6 hours in restoration. The maintenance team also not responded promptly till the matter apprised to Head O&M BSES .

As 400 kV Bamnauli substation feeds to airport, DMRC and major portion of southwest Delhi and therefore any disturbance at Bamnauli substation will lead to larger disturbances downstream.

In view of this, BSES is requested to inform the concerned maintenance wing **to restore LT supply of this substation and to coordinate DTL Substation staff properly during exigency.**

Further it is also noticed that the work of 11kV feeder named “Trishul” is under progress which will feed to the area near 400kV S/stn Bamnauli. DTL has requested to arrange **for extending this supply to 400kV Bamnauli substation to enable them having reliable source to avoid any exigency.**

The following was deliberated and mutually agreed upon in the meeting:-

(i) The 400kV Bamnauli being the most vital Sub-stn of DTL system. Any disturbance at this Sub-stn may further result in the disturbance of supply in South and West Delhi Areas, besides supply at Airport may also get affected.

(ii) BRPL should ensure reliable 11kV LT supply from their 11kV feeders named BSF and Bamnauli for smooth operation at 400kV Bamnauli Sub-stn.

(iii) BRPL to explore the possibility to extend the 11kV supply from their 11kV feeder named “Trishul” upto 400kV Bamnauli Sub-stn for better reliability.

DTL O&M deptt. to follow up for the same and report in the next OCC meeting.

(Action by BRPL)

2.7 Shifting of part load of DMRC and TPDDL from 220KV Sub Station Rohini-I to other DTL network in view of overloading of 100 MVA power transformers.

This is in reference to Shifting of part load of DMRC and TPDDL from 220KV Sub Station Rohini-I to other network available in DTL. The 220KV Sub Station Rohini-I have 04 Nos. of 100MVA Power Transformers and have already achieved peak load of 324MW for this season till date, hence N-1 criteria is not meet for this Sub Station. The peak load of DTL till date is 5410MW and considering the last years experience, it is expected that load of Delhi may raise to 7000MW this season considering the proportionate increase of approx 30% of the load at 220 KV SS Rohini-I. It may not be able to manage this much increase which may further lead to unjustified load shedding. This is also to be kept in consideration of the outage of any of the transformer.

The following was deliberated and mutually agreed upon in the meeting:-

(i) The load on 4 nos. 100 MVA transformers at Rohini-I Sub-stn has already gone upto 85% of its capacity. The peak load of Delhi is yet to come in mid june or july month. Any outage of transformer due to its maintenance or due to unforeseen breakdown may result into load shedding in the areas feeding through this Sub-stn. OCC took a serious note on this issue. DTL informed that there are several cases where some of the 220kV Sub-stns are very heavily loaded, whereas the others are very lightly loaded. Discoms fail to divert the load to the new Sub-stns which will bring some load relief to the old Sub-stn.

(ii) To avoid any unforeseen situation at Rohini-I Sub-stn, OCC directed that the 66kV load be diverted to other network including Rohini-II Sub-stn, which at present is under loaded. TPDDL representative informed that the connectivity at 66kV level between RG-6 and DC-I will be done by 1st week of july 2018. After this connectivity, load of DC-I Ckt.-I & II will be diverted to Rohini-II Sub-stn via link, Rohini-II→RG-28→RG-6→DC-I.

(iii) It was further pointed out by DTL that partial load relief (10-15 MW) can also be given on 66kV RG-24 which is also connected through Kanjhawala Sub-stn, via link Kanjhawala→Karala→RG-20→RG-23→RG-24.

(iv) DTL further informed that 2 nos. 66kV feeder bays are under construction at 220kV Shalimar Bagh Sub-stn. TPDDL may further inform regarding schedule for termination of 66kV feeders at Shalimar Bagh Sub-stn. and how it will bring load relief at Rohini-I Sub-stn.

(Action by TPDDL)

2.8 Alternative supply arrangement for IGI Airport, Delhi.

The matter regarding alternate power supply for IGI Airport, Delhi was discussed in length alongwith the representative of BRPL, DIAL during meeting held on 23.01.2017 in the O/o-GM(O&M)-I,DTL. The MOM is enclosed as Annexure for reference.

The following was deliberated and mutually agreed upon in the meeting:-

(i) As agreed in the steering committee meeting held on 04.04.2018, joint site visit between DTL and DIAL(GMR) be done at the earliest for identification of suitable land for installation of reactors at DTL 220kV DIAL Sub-stn, enabling connectivity at 220kV level between Pappankalan-III and DIAL.

(Action by DTL Planning deptt.)

(ii) There should be 66kV level connectivity between DTL 220kV Pappankalan-III Sub-stn and DIAL(GMR). The steering committee under DTL Planning deptt. to finalize the connectivity issue.

(Action by DTL Planning deptt.)

(iii) DIAL(GMR) informed that there are numerous trippings at 66kV Palam sub-stn of BRPL, which causes lots of inconvenience to them. DIAL(GMR) requested for interconnection between Palam and Pappankalan-III for better reliability. The steering committee under DTL Planning deptt. to finalize the connectivity issue.

(Action by DTL Planning deptt.)

2.9 Proposed planned shutdowns of O&M, DTL

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

The shutdowns were deliberated. OCC advised that in view of peak summer demand, only emergency shutdowns be allowed between 6 to 10 AM. SLDC to take decision as per the load optimization and as per the emergency.

3. SLDC Agenda

3.1 Overloading of 220/66kV 100MVA Tx at 220kV Rohini S/Stn.

On 24.04.2018, TPDDL maintenance team availed planned shut-down on 66kV RG-23 Ckt-I emanating from 220kV Kanjhawala S/Stn at 13.45hrs.

Around 15.00hrs, TPDDL, ALDC shifted the load of 66kV RG-23 Ckt-II to 220kV Rohini S/Stn without consulting SLDC Minto Road leading to overloading of 220/66kV 100MVA Tx-III & IV at Rohini. Load on both the Txs increases to 98MW and 94MW respectively during peak load time. It is important to mention those 220kV and 66kV Bus couplers were opened at Rohini S/Stn at the time of shifting of load.

It is pertinent to mention that summer months have already approached and Delhi power demand has touched 5200MW which is further likely to increase in coming days. It is important to ensure proper loading on all the transmission and distribution elements for smooth operation of the power system in Delhi.

It is also noticed that 66kV Kanjhawala – RG-23 Ckt-II and 66kV Mangolpuri-I – T-Off Nangloi Ckt are under break-down since 31.03.2018 and 09.03.2018 respectively. Whereas 66kV Kanjhawala- RG-23 ckt-II revived on 10.05.18. Such a long outage of these feeders may cause hindrance in shifting of load in case of further outage of any other elements in this complex.

As such, it is advised that TPDDL, ALDC should consult SLDC Minto Road before shifting the load so that proper loading can be managed on all transmission and distribution elements. It is also requested to minimize the revival time of elements under break-down.

It was deliberated that TPDDL will give prior information to SLDC as well as the Sub-stn. before putting or changeover of any load, so as to mitigate the chance of overloading of transformers. Moreover, prior information also needs to be given by TPDDL to SLDC for extending supply to Sub-stn from other source whose incoming cable have become faulty. Similar practice be also followed by other discoms to avoid the overloading of transformers.

(Action by TPDDL/Other Discoms)

3.2 Details of Power supply sources for Water treatment plants in Delhi.

The details of power supply for the water treatment plants in Delhi has been compiled with the help of feedback of discoms and detailed hereunder:

Sr. No	Name of Water Treatment Plant	Discom	Power supply source by Discom	Power supply source by DTL
1	Wazirabad water Works	TPDDL	4 Nos 11kV Feeders from 33kV Wazirabad S/Stn.	2 Nos 33kV feeders to 33kV Wazirabad S/Stn. from 220kV Gopalpur S/Stn.
2	Chandrawal Water Treatment plant	TPDDL	1 No. 11kV feeder from 33kV Civil Line S/Stn.	2 Nos 33kV feeders to 33kV Civil Line S/Stn. from 220kV Kashmiri Gate S/Stn & 1 No. 33kV feeder to 33kV Civil Line S/Stn. from 220kV Gopalpur S/Stn
3	Bawana Water Works	TPDDL	1 No. 11kV feeder from 66kV Bawana-7 S/Stn.	1 No. 66kV feeder to 66kV Bawana -7 S/Stn. from 400kV Bawana S/Stn
4	Haiderpur Water Treatment Plant	TPDDL	4 Nos 11kV feeders from 33kV Haiderpur S/Stn.	2 Nos 33kV feeders to 33kV Haiderpur S/Stn. from 220kV Shalimarbagh S/Stn & 1 No 33kV feeder to 33kV Haiderpur S/Stn. from 66kV Rohini -V S/Stn, which is further connected to 220kV Rohini -II
5	Bhagirathi Water Works	BYPL	2 Nos 11kV feeders from 66kV Bhagirathi S/Stn. & 1 No. 11kV feeder from 66kV Ghonda S/Stn.	66kV Bhagirathi S/Stn of BYPL is connected to 220kV Wazirabad S/Stn through 66kV Yamuna Vihar S/Stn. Further 66kV Bhagirathi S/Stn is also connected 400/220kV Harsh Vihar S/Stn through Ghonda S/Stn at 66kV Level
6	Sonia Vihar Water Treatment plant	BYPL	2 Nos 11kV feeders from 66kV Sonia Vihar S/Stn. which is fed from 220kV Wazirabd S/Stn.	3 Nos. 11kV feeders from 220kV Wazirabad S/Stn.
7	Nangloi Water Works	BRPL	1 No 11kV feeder from 66kV Nangloi Water Works S/Stn. which is fed from 220kV Najafgarh S/Stn as well as from 400/220kV Mundka (Tikri Kalan).	1 No 66kV feeder from 220kV Najafgarh S/Stn as well as from 400/220kV Mundka (Tikri Kalan). However the ckt. from Mundka to Nangloi Water is under breakdown since long.
8	Okhla Water Treatment Plant	BRPL	1 No 11kV feeder from 33kV Jamia S/Stn. & 33kV Sarai Juliana S/Stn. 33kV Jamia S/Stn is connected to 220kV I.P. through Kilokri S/stn and also connected to 220kV Sarita Vihar through 66kV Jasola S/Stn. This station is also connected to 220kV Okhla S/Stn. through 33kV Okhla Phase -II. Further 33kV Sarai Juliana S/Stn is connected to 220kV Okhla S/Stn through 33kV Okhla Phase -II S/Stn. and also connected to 33kV Jamia S/Stn through T-off of 33kV Okhla Phase-II - Jamia Ckt.	Okhla Water Treatment Plant has connectivity from 220kV I.P., Sarita Vihar and Okhla S/Stn.
9	Dwarka Water Treatment Plant	BRPL	02 no of 11kV feeders from 66kV Delhi Jal Board S/stn	02 no of 66kV feeder to 66kV Delhi Jal Board (Brpl) from 220kV Najafgarh & 02 no 11kV feeders from 220kV PPK-II.

Discoms are requested to validate the above details and confirm any changes if required.

No any modification was proposed by any Discoms regarding the power network of water treatment plants. Discoms were again requested to go through and inform SLDC about any proposed modifications if required. OCC opined that in case of complete supply failure of any 220kV Sub-stn, immediately back feed arrangement at 66/33 kV be done to extend the power supply to water treatment plants.

(Action by Discoms)

3.3 Alternate source details for 11kV feeders emanating from DTL Substations:

The alternate source details were asked from the discoms regarding 11kV feeders emanating from DTL substations. SLDC compiled the details and which is as under:

(a) 11kV TPDDL feeders from DTL system

11kV Feeders of TPDDL from DTL System				
S.No.	Name of the S/Stn.	Name of the Element	DISCOM	Alternate Feeder/Sub Station
1	KANJHAWALA S/S	11kV U/G KANJHAWALA	TPDDL	New Grid at Karala
2		11kV GHEWRA	TPDDL	
3		11kV O/H KANJHAWALA	TPDDL	
4		11kV SOS BAWANA	TPDDL	
5		11kV ABC KANJHAWALA	TPDDL	
6		11kV O/H RANI KHERA	TPDDL	
7		11kV ABC RANIKHERA	TPDDL	
8		11kV ABC PUNJAB KHORE	TPDDL	
9		11kV JJ CLUSTER	TPDDL	
10	NARELA S/S	11kV U/G NARELA	TPDDL	
11		11kV DDA-A-5	TPDDL	
12		11kV NARELA O/H	TPDDL	
13		11kV DDA-B-4	TPDDL	
14		11 KV DSIDC	TPDDL	
15		11kV BAWANA	TPDDL	
16		11kV BBMB	TPDDL	
17		11kV GAUTAM COLONY	TPDDL	
18	ROHINI-I S/S	11kV DELHI GOVT. FLAT-I	TPDDL	220 RHN- RMU NO-1 DAMB CLY
19		11kV D.A.M.B. COLONY	TPDDL	11kV DELHI GOVT. FLAT-I
20		11kV PRAHLAD PUR	TPDDL	
21		11kV TELEPHONE EXCH. SEC-11	TPDDL	220 RHN -11kV CENPIED POLE MOUNTED
22		11kV SPS SEC-25 DDA	TPDDL	220 RHN -11kV STP SEC-25 MCD
23		11kV STP SEC-25 MCD	TPDDL	220 RHN -11kV SPS SEC-25 DDA
24		11kV 6/11 RHN FEEDER	TPDDL	RG-6 - 8/11 S/S
25		11kV 13/11 STN ROHINI	TPDDL	220 RHN- NDMC NO-1
26		11kV NDMC S/S NO-I	TPDDL	220 RHN- NDMC NO-2
27		11kV NDMC S/S NO-II	TPDDL	220 RHN- NDMC NO-1
28		11kV CENPIED POLE MOUNTED	TPDDL	220 RHN- TELEPHONE EXCHANGE SEC-11
29	NARAINA S/S	11kV MAGGO CKT- I	TPDDL	
30		11kV MAGGO CKT-II	TPDDL	
31		11kV NARAINA VIHAR A-BLOCK S C - I	TPDDL	
32		11kV NARAINA VIHAR A-BLOCK S C - II	TPDDL	
33		11kV BRAR SQUARE	TPDDL	
34		11kV KIRBI PLACE No 1	TPDDL	
35		11kV KIRBI PLACE No 2	TPDDL	
36		11kV NARAINA VILLAGE SHIV MANDIR	TPDDL	
37		SHALIMARBAGH	11kV O/H HAIDERPUR	TPDDL

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	S/S	DISP.	FC TO C&D1 AND C&D2.
38		11kV KU BLOCK PITAM PURA	TPDDL
39		11kV SEWAGE PUMP	TPDDL 220 SMB --BOOSTER PUMP& RG-5--6/18
40		11kV VILLAGE BADLI-I	TPDDL 220 SMB-11kV VILLAGE BADLI-II & BOOSTER PUMP
41		11kV VILLAGE BADLI-II	TPDDL RG-5--6/18
42		11kV PRASHANT VIHAR	TPDDL
43		11kV BOOSTER PUMP	TPDDL 220 SMB -11kV SEWAGE PUMP & 6/18
44		11kV U/G HAIDERPUR DISP.	TPDDL 220KV TO U/G HAIDERPUR DISPENSARY - -SMB FC GRID TO ESS STAFF QUARTER
45		11kV PITAM PURA	TPDDL
46		11kV 11B SHALIMABAGH	TPDDL 220KV TO PARKWALA- BACK UP SOURCE IS FC TO KHATTEWALA
47		11kV MTD	TPDDL
48		11kV FU PPR	TPDDL
49		11kV 10BLOCK SHALIMARBAGH	TPDDL 220KV TO PREMIER INN -BACK UP SOURCE IS FACILITY CENTER GRID TO PREMIER INN
50	SUBZIMANDI S/S	11kV PALACE CINEMA	TPDDL
51		11 KV TILAK CHOWK CKT	TPDDL
52		11kV SUBZI MANDI MAIN BAZAR	TPDDL
53		11kV NARBADA COLD STORAGE	TPDDL
54		11kV NEW COURT	TPDDL
55		11kV KABIR BASTI	TPDDL
56		11kV PARAG ICE FACTORY	TPDDL
57		11kV St. STEPHENS HOSPITAL	TPDDL
58		11kV DELHI SCHOOL OF ECONOMICS	TPDDL
59		11kV BARA HINDU RAO (PS)	TPDDL
60		11kV HINDU RAO HOSPITAL	TPDDL

(b)11kV Feeders of BRPL from DTL System

S.No.	Name of the S/Stn.	Name of the Element	DISCOM	Alternate Sub Station	Alternate Feeder
1	LODHI ROAD S/S	11kV SCOPE BUILDING	BRPL	220 LODHI ROAD	SCOPE BILDING NO 15
2		11kV NBCC	BRPL	NZD GRID	LODHI HOTEL
3		11kV SCOPE COMPLEX 15	BRPL	220 LODHI ROAD	SCOPE BILDING NO 16
4		11kV DEFENCE COLONY	BRPL	NZD GRID	G BLK, NZD WEST
5		11kV MSO-I	BRPL	220 LODHI ROAD	MSO NO 2
6		11kV MSO-II	BRPL	220 LODHI ROAD	MSO NO 1
7		11kV STADIUM R-I	BRPL	220 LODHI ROAD	LODHI HOTEL
8		11kV CABINET SECRETARIAT	BRPL	NZD GRID	CABINET SECRETARIAT 5A
9		11kV INSTITUTIONAL AREA	BRPL	220 LODHI ROAD	LODHI CLY COMPT. CENTRE
10		11kV STADIUM R-7			
11		11kV UNIDO S/S	BRPL	220 LODHI ROAD	SEWAGAE PUMPING STN.
12		11kV SEWAGE PUMP STATION	BRPL	220 LODHI ROAD	UNIDO
13		11kV DEFENCE COLONY UNDER FLY OVER	BRPL	NZD GRID	"G" BLK NZD WEST
14		11kV DOE-I	BRPL	220 LODHI ROAD	D.O.E.NO-2
15		11kV DOE-II	BRPL	220 LODHI ROAD	D.O.E.NO-1
16		11kV LODHI COLONY COMP. CENTRE	BRPL	220 LODHI ROAD	INSTITUTIONAL AREA
17		11kV NBCC EAST-BLOCK	BRPL	220 LODHI ROAD	UNIDO

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18		11kV SCOPE BUILDING 16	BRPL	220 LODHI ROAD	SCOPE BILDING NO 15
19		11kV TELEPHONE EXCH.	BRPL	220 LODHI ROAD	SOOCHNA BHAWAN
20	MEHRAULI S/S	11kV DERA BHATI	BRPL	C-DOT GRID	IIPM NO. 1
21		11kV ANDHERIA BAGH-I	BRPL	C DOT	DLF GATE NO.2
22		11kV ANDHERIA BAGH-II	BRPL	C DOT	CHATTERPUR NO. 2
23		11kV VASANT KUNJ A-BLOCK	BRPL	33KV ANDERIA BAGH	VASANT KUNJ PKT A
24		11kV VASANT KUNJ D-BLOCK	BRPL	33KV ANDERIA BAGH	V KUNJ PKT D
25		11kV FATEHPUR BERI	BRPL	C-DOT GRID	RAJ SWRAJ FEEDER
26	NAJAFGARH S/S	11kV D.T.L. COLONY	BRPL	220 KV NJF	NAJAFGARH NO.1
27		11kV NAJAFGARH-I	BRPL	220 KV NJF	DESU COLONY
28		11kV RAMA PARK	BRPL	PPK-2	DMRC SHOPING COMPLEX
29		11kV DEEN PUR	BRPL	66 KV DJB	JHATIKARA
30		11kV T.P. KOTLA	BRPL	220 KV NJF	DESU COLONY
31		11kV ANAJ MANDI	BRPL	220 KV NJF	NEW ANAJ MANDI
32		11kV NANGLI SAKRAWATI	BRPL	66 KV DJB	KAPOOR FARM
33		11kV 7-PANEL BOARD	BRPL	220 KV NJF	ANAJ MANDI
34		11kV PUMPING STATION	BRPL	66 KV DJB	X1 ROSANPURA
35		11kV CHHAWALA TRUNK	BRPL	220 KV NJF	DICHAO
36		11kV KAKROLA	BRPL	PPK-2	DWARKA
37		11kV DICHAON	BRPL	220 KV NJF	ANAJ MANDI
38		NARAINA S/S	11kV GOPI NATH BAZAR /OLD NANGAL	BRPL	
39	OKHLA S/S	11kV DDA LSC OKHLA-II	BRPL	OKHLA GRID	DDA LSC
40		11kV GIRI NAGAR-I	BRPL	BALAJI STATE 33 KV GRID	GIRI NGR SS1
41		11kV GIRI NAGAR-II	BRPL	BALAJI STATE 33 KV GRID	GIRI NGR S/STN NO-2
42		11kV POCKET A-10 KALKAJI EXT	BRPL	ALAKNANDA	GALI NO-16 GOVINDPURI
43		11kV POCKET A-12 KALKAJI EXT	BRPL	ALAKNANDA	GALI NO-16 GOVINDPURI
44		11kV ALAKNANDA	BRPL	ALAKNANDA	NILGIRI APARTMENT
45		11kV POCKET A-18 KALKAJI EXT	BRPL	BAALAJI	PKT A-3 KALKAJI EXTN
46		11kV TARA APARTMENT	BRPL	ALAKNANDA	DDA SLUM QTRS
47		11kV GOVIND PURI GALI NO-5	BRPL	33 KV BALAJI	GOVID PURI GALI NO.10
48		PAPPANKALAN-I S/S	11kV SEC-II PAPANKALAN	BRPL	G-5 MATIALA
49	11kV SEC-10 PAPANKALAN		BRPL	G-6	HILANSH
50	11kV PERIPHERAL No-I		BRPL	220 KV PPK 1	BENGALI COLONY
51	11kV MAHALUXMI SEC-6		BRPL	G-4 DWK	DDA GROUND RMU NO-1
52	11kV MANGLAPURI Ph-II		BRPL	G2 PAPPAN KALAN	SADH NAGAR GALI NO-22
53	11kV SEC-19		BRPL	G-7 DWARKA	UNIQUE APPARMENT
54	11kV NSIT		BRPL	G-5 MATIALA	SEC -3 DWARKA
55	11kV PERIPHERAL No-II		BRPL	220 KV PPK 1	C-2, MAHAVEER ENCLAVE
56	11kV BENGALI COLONY		BRPL	220 KV PPK 1	PERIPHERAL-1
57	11kV NASEERPUR		BRPL	G2 PAPPAN KALAN	NASSIRPUR SCHOOL
58	11kV PALAM VILLAGE		BRPL	G2 PAPPAN KALAN	RMU-2
59	11kV SEC-7, PPK		BRPL	G2 PAPPAN KALAN	RMU-1

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60		11kV EVERGREEN	BRPL	G-7 DWARKA	SEC 7 PKT 2
61		11kV VINODPURI	BRPL	220 KV PPK 1	PERIPHERAL-2
62		11kV C-2 MAHAVIR ENCLAVE	BRPL	220 KV PPK 1	PERIPHERAL-2
63	SARITA VIHAR S/S	11kV S/S. No. 21 SVR	BRPL	220 KV SARITA VIHAR	S/STN22 SARITA VIHAR
64		11kV JAITPUR	BRPL	66 KV SARITA VIHAR	AMERICAN EXPRESS
65		11kV SAURABH VIHAR-I	BRPL	MCIE GRID	LUV KUSH
66		11kV SAURABH VIHAR-II	BRPL	MEETHAPUR GRID	MADRASI COLONY
67		11kV ALI VILLAGE	BRPL	MATHURA ROAD GRID	BADARPUR O/H FEEDER
68		11kV IOC	BRPL	66 KV SARITA VIHAR	SAHEEN BAGH
69		11kV S/S No. 22 SVR	BRPL	220 KV SARITA VIHAR	S/STN 21 SARITA VIHAR
70		11kV AMERICAN EXPRESS	BRPL	66 KV SARITA VIHAR	AMERICAN EXPRESS
71		11kV SEWAGE PUMPING STN.	BRPL	MATHURA ROAD GRID	S/STN 8 SARITA VIHAR
72		VASANT KUNJ S/S	11kV C-8 S/S-I	BRPL	220 KV S/STN. C-9 VASANT KUNJ
73	11kV C-8 S/S-II		BRPL	220 KV S/STN. C-9 VASANT KUNJ	C8 SS 1 F1 V KUNJ
74	11kV AIRPORT AUTHORITY		BRPL	220 KV S/STN. C-9 VASANT KUNJ	NANGAL DIARY KIOSK
75	11kV SPINAL INJURY HOSP.		BRPL	VASSANT KUNJ D-7 66 KV GRID	NANGAL DAIRY NO. 2
76	11kV S/S-5 C-9		BRPL	220 KV S/STN. C-9 VASANT KUNJ	C9 SS 2 V KUNJ
77	11kV S/S-I C-9		BRPL	220 KV S/STN. C-9 VASANT KUNJ	C9 SS 5 V KUNJ
78	11kV AB HOTEL		BRPL	66 KV PALAM	AB HOTEL (RADDISON)
79	11kV MAHIPALPURI		BRPL	VASSANT KUNJ D-7 66 KV GRID	CENTAUR HOTEL
80	11kV NANGAL DIARY		BRPL	220 KV S/STN. C-9 VASANT KUNJ	IAAI COLONY
81	11kV RANGPURI		BRPL	VASSANT KUNJ D-7 66 KV GRID	NANGAL DAIRY NO. 2

(c) 11kV Feeders of BYPL from DTL System

11kV Feeders of BYPL from DTL System				
S.No.	Name of the S/Stn.	Name of the Element	DISCOM	Alternate Feeder/Sub Station
1	GAZIPUR	11kV SFS DDA FLAT	BYPL	SFS FLAT GRID GAZIPUR VIA TAJ APPARTMENT.
2		11kV DDA FLAT GAZIPUR	BYPL	GAZIPUR TO 11kV BOOSTING PUMP STATION, GAZIPUR TO 11kV FISH MKT.-2
3		11kV FISH MKT-1	BYPL	GAZIPUR TO 11kV FISH MKT.-2, GAZIPUR TO 11kV BOOSTING PUMP STATION
4		11kV FISH MKT.-2	BYPL	GAZIPUR TO 11kV FISH MKT-1, GAZIPUR TO 11kV BOOSTING PUMP STATION
5		11kV KHICHRIPUR S/S-3	BYPL	GAZIPUR TO KALYAN VAS NO-1, KHICHRIPUR TO 11kV LBS HOSPITAL
6		11kV BOOSTING PUMP STATION	BYPL	GAZIPUR TO 11kV DDA FLAT GAZIPUR, GAZIPUR TO 11kV KHICHRIPUR S/S-3
7		11kV TELCO-1	BYPL	1.FIE- S/STN NO-3, 2. CNG PUMPING STATION VIA S/STN NO-2
8		11kV TELCO-2	BYPL	1.TELCO NO-3 GAZIPUR VIA SHIV MANDIR, 2. FIE S/STN NO-3 GAZIPUR
9		11kV TELCO-3	BYPL	FIE S/STN NO-3 VIA SHIV MANDIR GHZIPUR
10		11kV SFS TAJ APPT.	BYPL	SFS DDA FLAT
11	KASHMIRI GATE	11kV DMRC	BYPL	NOT BYPL FEEDER
12		11kV ASAF ALI HOSP	BYPL	NOT BYPL FEEDER

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13		11kV BELA ROAD	BYPL	NEW KASMERE GATE FROM TOWN HALL
14		11kV ELECTRIC CREMATORIUM	BYPL	ROSE BUD FROM I G STD. GRID, RAILWAY POWER HOUSE FOUNTAIN GRID
15		11kV ISBT FLY OVER	BYPL	NOT BYPL FEEDER
16		11kV MAHAVIR ICE FACTORY	BYPL	NOT BYPL FEEDER
17		11kV LUDLOW CASTLE	BYPL	NOT BYPL FEEDER
18		11kV HAMILTON ROAD	BYPL	HAMILTON ROAD FROM TOWN HALL
19		11kV JINDAL HOSP.	BYPL	NOT BYPL FEEDER
20		11kV METCALF HOUSE	BYPL	NOT BYPL FEEDER
21		11kV NEW KASHMERE GATE	BYPL	NEW KASMERE GATE FROM TOWN HALL
22		11kV GPO	BYPL	RAILWAY POWER HOSE FROM FOUNTAIN GRID
23	PATPARGANJ	11kV GANESH NAGAR	BYPL	S/STN NO-1 IP EXTN VIA TRUCK MARKET RMU
24		11kV MOTHER DAIRY	BYPL	E-BLOCK GANESH NAGAR, D PARK PANDAV NAGAR FROM SHAKARPUR GRID
25		11kV NATIONAL DAIRY-II	BYPL	FEEDER NOT IN SERVICE
26		11kV DVB STAFF QTR-I	BYPL	1.PRIMARY SCHOOL MANDAWLI VIA GH-II GRID 2. MANDAWLI VIA GH-I GRID
27		11kV DVB STAFF QTR-II	BYPL	1.PRIMARY SCHOOL MANDAWLI VIA GH-II GRID 2. MANDAWLI VIA GH-I GRID
28		11kV COMMERCIAL BLOCK	BYPL	WB BLOCK PARK WALA S/STN
29		11kV SHAKARPUR KIOSK	BYPL	1.SANJAY PARK VIA VIKAS MARG RED LIGHT NIRMAN VIHAR 2. TIKONA PARK FEEDER VIA POLICE BOOTH
30		11kV NIRMAN BHAWAN FLATS	BYPL	1.LSC PREET VIHAR VIA PREET VIHAR SABJI WALA SUB STATION , 2. F BLOCK VIA GH-II BLOCK PREET VIHAR
31		11kV MOTHER DAIRY STAFF QTRS	BYPL	1.C BLOCK PATHAR WALA VIA C BLOCK SHAKARPUR GRID FEEDER 2. E BLOCK VIA AKSHARDHAM
32		11kV RAINEYWALL	BYPL	1.GANESH NAGAR FISH WALA S/STNO 2. A BLOCK PANDAV NAGAR VIA S BLOCK SHIV MANDIR
33		11kV PREET VIHAR	BYPL	1.PREET VIHAR VIA GURU ANGAD NAGAR GRID 2. F BLOCK PREET VIHAR
34	WAZIRABAD	11kV D-BLOCK GAMRI	BYPL	DDA COMPLEX NO-1 FROM SHASTRI PARK (E) GRID
35		11kV TUKHMIR PUR	BYPL	CRPF CAMP FROM SONIA VIHAR GRID AND C BLK DAYALPUR FROM KWN GRID
36		11kV BHAJANPURA B-BLOCK	BYPL	A BLK BHAJANPURA FROM SONIA VIHAR GRID
37		11kV SONIA VIHAR WTP-I	BYPL	SONIA VIHAR WTP-2&3 FROM SONIA VIHAR GRID

38	11kV BPS-II	BYPL	KHAJURI KHADDA FROM SONIA VIHAR GRID
39	11kV BPS-I	BYPL	KHAJURI KHADDA FROM SONIA VIHAR GRID
40	11kV SONIYA VIHAR RAW WATER	BYPL	SONIA VIHAR WTP-2&3 FROM SONIA VIHAR GRID
41	11kV SHAHDAT PUR	BYPL	CRPF CAMP FROM SONIA VIHAR GRID AND C BLK DAYALPUR FROM KWN GRID
42	11kV WNBC SWTH STN-II	BYPL	SONIA VIHAR PART-6, C BLK 3RD PUSTA FROM SONIA VIHAR GRID
43	11kV PUSTA VIJAY COLONY	BYPL	DDA COMPLEX NO-1 FROM SHASTRI PARK (E) GRID
44	11kV MONI BABA MANDIR	BYPL	MCD FLATS FROM SEELAMPUR GRID
45	11kV SHAHDARA BANH	BYPL	ZERO PUSTA FROM SHASTRI PARK (E) GRID

It has been observed from the above that most of the TPDDL 11kV feeders do not have alternate arrangement in the event of breakdown.

The matter was deliberated and OCC noted the alternative source for 11kV feeders emanating from DTL Sub-stns. Discoms were requested to send the updated list to SLDC.

OCC advised that the matter shall be mutually discussed in the steering committee meeting for alternate feed at 11kV level or for shifting of 11kV load from the DTL Sub-stn within specific time schedule.

(Action by Discoms/DTL Planning Deptt.)

4. PPCL Agenda

PPCL have informed that in the recent times, the tripping of PPS-1 units due to grid disturbance has increased abruptly. The details are as under:-

Date	Time	No of units Tripped	Reason for Tripping as mentioned by PPCL
16.05.2018	02.57 hrs	01	220 KV Bus II HVCV opened and GT#01 Tripped due to class 'C' Under Frequency relay operated
13.05.2018	19.46 hrs	01	220 KV Bus II HVCV opened and GT#01 Tripped due to class 'C' Under Frequency relay operated
03.05.2018	07.19 hrs	02	220 KV Bus I disturbance GT#02 and STG Tripped.
21.02.2018	12.34 hrs	02	STG Tripped on grid disturbance PPS-1 came on islanding position, GT#1, GT#2, STG HVCV opened at 13 :52, 13:47 Hrs.
14.02.2018	08.52 hrs	03	GT#1, GT#2, STG tripped on grid disturbance, PPS-1 came into black out condition.
14.02.2018	17.49 hrs	01	STG Tripped due to grid disturbance.

Though there is UI suspension during such trippings but this type of frequent starting and shutdown develop thermal stresses on machines, reduces running hours for major overhauling and additional burdens for cost of gas, increased heat rate, higher auxiliary

power consumption, operation and maintenance cost escalation and loss of generation of electricity. It is further to mention that every start consumes more than 5 Lacks of gas bill.

The matter was deliberated and DTL explained the reason of trippings as under:-

Date	Time	No of units Tripped	Reason for Tripping as mentioned by DTL
16.05.2018	02.57 hrs	01	During the incident 220kV Bus-II at Pragati was connected through Mandola via Pragati→I.P.→PPG→Geeta colony→SOW→Mandola. At PPG B/C was in OFF position. During thunderstorm SOW-Geeta colony Ckt-1 & 2 tripped at SOW end resulting islanding of 220kV Bus-II at Pragati, which further led to tripping of GT#1.
13.05.2018	19.46 hrs	01	During thunderstorm a broken earth wire caused tripping of SOW-Geeta Colony Ckt-1&2. PPG-IP Ckt-1 tripped at the same time due to Jumper snapping. This incident caused disturbance on 220kV Bus-2 at Pragati.
03.05.2018	07.19 hrs	02	Tripping of Pragati-M.Bagh & Pragati-S. Vihar Ckts. caused disturbance at Pragati 220kV Bus-1.
21.02.2018	12.34 hrs	02	There was tripping of 220kV Sarita Vihar-Pragati, 220kV Sarita Vihar-M. Bagh and 220kV M.Bagh-Masjid Moth-II. The GT#1, GT#2 and STG were disconnected from the grid and there was islanding situation which resulted into tripping.
14.02.2018	08.52 hrs	03	Bus bar protection operated at Pragati during load shift at Maharani Bagh to avail PGCIL shutdown. Consequently, all the three GTs, all 220kV level feeders, 160 MVA Tr.-I & II and 220kV Bus coupler tripped on Bus-bar protection resulting complete blackout at 220kV Pragati Sub-stn.
14.02.2018	17.49 hrs	01	Incident of grid disturbance due to Over Voltage condition lead to tripping of M.Bagh-S.Vihar, M.Moth-2 & E.Lane-2 Ckts. Which resulted into islanding.

DTL clarified that the above trippings occurred due to tripping of 220kV feeders due to transient faults as above resulting disconnection of 220kV Bus at Pragati with the Grid and thereby an islanding situation occurs for the GTs at Pragati which eventually gets tripped.

5. BRPL Agenda

1. Rewari-line PTR which is feeding BRPL area is under augmentation work from 20-Feb-2018. Shedding may occur due to this if temp rises.

TPDDL updated that the PTR has already been energized.

2. Hand-over of 33KV feeders Khyber line-1& 2 from Ridge Valley to MES discom is proposed by BRPL. MES official needs to be available for discussion.

OCC opined that the issue be sorted out mutually between BRPL and MES.

3. BRPL have requested for nomenclature updation of BRPL feeders (66KV and 33KV feeders emanating from DTL grids). Procedure for same be updated.

Discoms to write a letter to concerned GM(O&M)-I/II for updation in nomenclature (if required) with complete details, i.e. Name of DTL Sub-stn, Proposed new name of the feeder, Conductor/Cable details, Line length etc. GM(O&M)-I/II will nominate a committee comprising of the officials of O&M, Protection, SLDC and the concerned Discom. Based on the recommendation of committee, the concerned GM(O&M) will approve the new nomenclature and submit the same in writing to the Discom, SLDC and C&RA deptt.

4. BRPL have requested that schedule and approval of Testing of CT & PT of all 4 power transformers at 220 Mehrauli may be confirmed.

OCC opined that due to ongoing peak summer demand and due to loading constraints at Mehrauli Sub-stn, CT & PT testing be done after Aug month.

6. 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	Latest Status of outage
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.	66kV V.KUNJ INSTL.AREA-RIDGE VALLEY CKT.-I	BRPL	26.03.2017	UNDER SHUT DOWN. Expected by 25.06.2018.
3.	11kV I/C-I AT RIDGE VALLEY	BRPL	24.01.2018	UNDER BREAKDOWN. Energized on 06.05.2018.
4.	33kV ALAKHNANDA - OKHLA CKT.-I	BRPL	19.04.2018	BREAKER PROBLEM. Expected by 07.06.2018.
5.	66kV RIDGE VALLEY - BAPU DHAM CKT.	BRPL	16.05.2018	Y-PHASE CABLE FAULTY. Energized on 22.05.2018.
6.	66kV MUNDKA - NANGLOI CKT.	BRPL	08.05.2017	B & Y-PH. CABLE FAULTY. Expected by 30.06.2018.
7.	33kV PANKHA ROAD - JANAKPURI CKT.-I	BRPL	08.05.2018	B & Y-PH. SINGLE CABLE FAULTY. Energized on 17.05.2018.
8.	33kV PANKHA ROAD - JANAKPURI CKT.-II	BRPL	13.05.2018	Y-PH. SINGLE CABLE FAULTY. Energized on 21.05.2018.
9.	66kV PAPANKALAN -III - G-4 DWARKA CKT. I&II	BRPL	15.05.2018	UNDER BREAKDOWN. Energized on 18.05.2018.
10.	66kV YAMUNA VIHAR - BHAGIRATHI CKT.-II	BYPL	04.05.2018	Y-PH. SINGLE CABLE FAULTY. Expected by 10.06.2018.

11.	66KV MUNDKA- MANGOLPURI-I - T-OFF NANGLOI CKT.	TPDDL	09.03.2018	CABLE FAULTY. Expected by 12.06.2018.
12.	33kV SHAHZADA BAGH - T-OFF RAMA ROAD CKT.	TPDDL	13.04.2018	CABLE FAULTY. Expected by 15.06.2018.
13.	33kV BAY -10 (IP - ELECTRIC LANE)	NDMC	16.05.2018	B-PH. CABLE FAULTY. Expected by 01.06.2018.
14.	400/220kV 315MVA ICT-I AT BAWANA	DTL	16.05.2018	R-PHASE BUSHING TO BE REPLACED DUE TO HIGH TAN DELTA RESULTS. Energized on 19.05.2018.
15.	220/33kV 100MVA PR.TR.-I AT 220kV NARAINA	DTL	26.07.2017	TR. DAMAGED DUE TO FIRE. Expected by 10.06.2018.
16.	33kV BUS COUPLER AT KASHMERE GATE	DTL		TRIPPING COIL PROBLEM. Accessories yet to arrive from ABB.
17.	220kV TRAUMA CENTRE – RIDGE VALLEY CKT-II	DTL	15.02.2018	CABLE FAULTY. Expected by 25.06.2018.
18.	220/33kV 100MVA PR.TR.-II AT 220kV PREET VIHAR	DTL	12.03.2018	TRANSFORMER FAULTY. Transformer already sent to OEM workshop for repair works.
19.	220/66kV 160MVA PR.TR.-III AT 220kV VASANT KUNJ	DTL	26.04.2018	TRANSFORMER BURNT DUE TO FIRE. TO BE REPLACED.
20.	STG-2 at PPCL Bawana	PPCL Bawana	01.10.2017 00:05 hrs.	Problem in Generator Transformer. Expected by 15.07.2018.

Additional Agenda

1. Pending approval of drawings by BTPS in r/o installation of Line Differential relays in various 220kV feeders emanating from BTPS.

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- SaritaVihar Circuit 1&2.
4. BTPS– Gazipur

The DTL initially on dated 5/02/2018 has submitted the drawings to NTPC for the ETC of the P545 relays with the provision of both distance and differential protection along with the Auto reclose scheme. But on dated 24/02/2018 the NTPC has replied on email stating that:-

“The NTPC Badarpur already has Numerical relay based Main-1 and Main-2 distance protection scheme along with Auto-reclose feature, only line differential protection needs to be enabled in P545 relay and accordingly protection schemes needs to be modified for required input and outputs. Protection drawings may please be revised accordingly”.

As per the NTPC request, DTL has already mounted P545 Line Differential relays in the above feeders at BTPS end. All CT, PT inputs and other wiring termination has been completed. However due to delay in the approval of Drawings from BTPS end; the relays could not be commissioned at BTPS end.

Now on dated 22.05.2018 NTPC has again e- mailed stating that:-

“Drawing submitted by DTL and respective modified drawing has been forwarded to NTPC project engineering Department. NTPC project engineering department has advised to remove main-1 distance relay from service and only install differential relay as main-1 protection. Necessary wiring has to be done at individual level and revised drawing to be submitted by DTL”.

DTL has already completed all the work as per the requirement of NTPC and further revision of drawing and wiring schedule will take considerable time and the completion of work will be delayed further for the completion of the work. The subjected work for Commissioning of Line Differential relays is to be completed as per the P.O terms and conditions within the time bound manner and already about 3 months has been lapsed.

In view of above BTPS may be requested to allow the testing of relays by extending the trippings in the existing scheme and any further development will be taken care in course of time.

This issue has already been discussed at Agenda S.No.-2.5. Necessary action to be taken accordingly.

2.Shutdown request of 220kV Vasant Kunj-R.K. Puram Ckt.-II

DTL have requested for shutdown of 220kV Vasant Kunj-R.K. Puram Ckt.-II for re-routing of cable and for cable termination work as per the following schedule:-

S. No.	Name of Sub-Station	Date of Shut-down From	Date of Shut-down to	Name of the Element	Work to be carried	Remarks
1	220/66kV Vasant Kunj	28.05.2018	20.06.2018	220kV Vasant kunj to R.K. Puram Ckt.-II	Re-routing of cable at R.K.Puram End & its cable end termination	M/s Siemens will carry out the work in supervision of DTL

It was deliberated that DMRC should terminate their cable at 66kV level at R.K. Puram Sub-stn (within 10 days) and then shutdown of 220kV Vasant kunj - R.K. Puram Ckt.-II be availed tentatively w.e.f. 06.06.2018.

(Action by DMRC/DTL)

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