



No. F.DTL/2018-19/Mgr.(OS)-II/38

Date:10.10.2018

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

<b>DTL</b>	General Manager (O&M)-I, Chairman OCC General Manager (O&M)-II General Manager (PMDM&S) General Manager (Planning) General Manager (C&MM) General Manager (Civil) DGM (O&M) - North, East, West, South DGM (M/P) DGM (Plg.)
<b>SLDC</b>	ED (SLDC) DGM (SO)
<b>TPDDL</b>	HOD (PSC &AM) Sr. Manager (PSC)
<b>BRPL</b>	Vice President (SO)
<b>BYPL</b>	AVP (SO)
<b>NDMC</b>	Superintending Engineer
<b>IPGCL</b>	AGM (T) Opr. GTPS
<b>PPCL</b>	AGM (T) Opr.PPS-I AGM (T) Opr. PPS-III
<b>MES</b>	AEE/M.SLDC Officer
<b>BTPS</b>	AGM (EEMG)
<b>BBMB</b>	Sr. Executive Engineer, O&M
<b>DMRC</b>	Addl. GM (Elect.)

**Sub :- MOM of 6<sup>th</sup> (2018-19) Delhi OCC Meeting held on 28.09.2018 at DTL, 220kV Sub-Stn Park Street Building.**

Dear sir/madam,

Enclosed please find herewith the Minutes of Meeting of 6<sup>th</sup> (2018-19) Delhi OCC meeting held on **28.09.2018** in the office of GM(O&M)-II, 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 6<sup>th</sup> (2018-19) DELHI OCC MEETING HELD ON 28.09.2018**

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 5<sup>th</sup> (2018-19) Delhi OCC meeting held on dated 28.08.2018.**

The 5<sup>th</sup> (2018-19) Delhi OCC meeting was held on 28.08.2018 in accordance with the agenda circulated vide letter dt: 22.08.2018. Minutes of the aforesaid OCC meeting were issued vide letter dt.11.09.2018. 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 5<sup>th</sup> (2018-19) Delhi OCC meeting held on dated 28.08.2018 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	Target for energization	Present status
1.	400/220kV, 500MVA ICT	2	1x500MVA Tr. at Bamnauli	2019-20	Planning deptt., DTL informed that the PR of this scheme is not finalized yet as finalization of estimate for civil works is still pending at Civil deptt. DTL end. Civil deptt., DTL apprised that the civil works estimation for this scheme is under progress and will be finalized by 1 <sup>st</sup> week of Oct 2018. OCC advised to put all efforts for energization of this hot reserve within the target date to avoid power exigency in summer 2019.
2.	400/220kV, 315MVA ICT	14			

3.	220/66kV, 160MVA	25	2x160MVA Tr., (1 each at Mundka and Mehrauli)	2019-20	<p>The scheme for 160MVA Tr. as hot reserve at Mundka has been prepared &amp; approved after financial vetting. The PR for this Tr. could be sent to DTL C&amp;MM deptt. after approval of this scheme through DTL board of directors.</p> <p>The scheme for another 160MVA transformer as hot reserve at Mehrauli has been prepared and is under financial vetting before sending it for approval from DTL board of directors. OCC advised to put all efforts to procure this hot reserve to avoid power exigency in summer 2019.</p>
4.	220/66kV, 100MVA	41	1x100 MVA Tr. at Pappankalan-I	2019-20	<p>Steering Committee has already agreed for providing new 220/66kV, 100MVA hot reserve transformer at 220kV Pappankalan-I by 2019-20.</p> <p>DTL Plg. Deptt. confirmed that the scheme for 100 MVA Tr. at PPK-I has been prepared while the PR for this scheme is not finalized yet.</p> <p>Civil deptt., DTL apprised that the civil works estimation has been sent to Plg. Deptt.</p> <p>OCC advised to put all efforts to procure this hot reserve to avoid power exigency in summer 2019.</p>
5	220/33kV, 100MVA	44	2x100MVA Tr., (1 each at Okhla and Patparganj)	2019-20	<p>The scheme for 100MVA transformer as hot reserve at</p>

				<p>Okhla and Patparganj is not finalized yet, as finalization of estimate for civil works is still pending at Civil deptt. DTL end.</p> <p>Civil deptt., DTL apprised that the civil works estimation for this scheme is under progress and will be finalized within next 15 days.</p> <p>OCC advised to put all efforts to procure this hot reserve to avoid power exigency in summer 2019.</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 and detailed hereunder.</p> <p>As informed by Plg. Deptt. the scheme of 04 nos. Trf of Lodhi Road is approved and PR against this scheme has been generated.</p> <p>The augmentation scheme for Najafgarh, Okhla and Sarita Vihar will be discussed in coming steering committee meeting.</p> <p>OCC advised to put all efforts for energization of Tr. within the specified target date. OCC observed that</p>
7	33/11kV 20MVA	5	NIL	
8	33/11kV 16MVA	11	NIL	

					downward 11kV panel board should be also matching with the rating of the Tr.
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**Augmentation plan for 66/11kV and 33/11kV 16MVA and 20 MVA Transformers-**

S.No.	Sub Station	Details of existing Tx.	Augmentation Plan	Year	Latest status of Scheme	Remarks
1	Lodhi Road	2 no 33/11kV 20MVA	2 no 33/11kV 25MVA	2018-19	PR generated	It is informed that 11kV panel is quite old and under rated compared to 25 MVA Tr. Rating. It was suggested to replace the panel also alongwith the augmentation.
	Lodhi Road	2 no 33/11kV 16MVA	2 no 33/11kV 25MVA	2018-19	PR generated	
2	Najafgarh	2 no 66/11kV 20MVA	2 no 66/11kV 31.5MVA	2019-20	To be discussed in upcoming steering committee meeting	While finalizing the plan, 11kV switchgear should also be considered for matching with rating of the augmentation.
3	Okhla	2 no 66/11kV 20MVA	2 no 66/11kV 31.5MVA	2019-20		
4	Sarita Vihar	2 no 66/11kV 20MVA	2 no 66/11kV 31.5MVA	2019-20		
5	Pappankalan-I	2 no 66/11kV 20MVA	2 no 66/11kV 31.5MVA	2020-21		
6	Mehrauli	2 no 66/11kV 20MVA	2 no 66/11kV 31.5MVA	2021-22		

**Augmentation/replacement plan for 220/66kV, 100 MVA Transformers-**

Sr. No.	Name of the Sub Station	Qty. (No.)	Year	Latest status of Scheme
1	SaritaVihar (100 MVA to 160 MVA)	1	2018-19	Under tendering stage
2	Narela (100 MVA to 160 MVA)	1	2018-19	Under tendering stage
3	Najafgarh (100 MVA to 160 MVA)	2	2018-19	P.O. awarded
4	Okhla (100 MVA to 160 MVA)	1	2018-19	Under Approval stage
5	Mehrauli (100 MVA to 160 MVA)	1	2019-20	Under Approval stage
6	Patparganj (100 MVA to 160 MVA)	2	2019-20	Under Approval stage
	Total	8		

OCC opined that DTL should adhere the timelines for augmentation/replacement of Tx. as mentioned above.

**OCC advised Civil deptt., DTL to expedite for early completion of civil foundation works for 160MVA Tr. to be installed at 220kV Najafgarh s/s in line with drawing provided by BHEL.**

All out efforts be taken to charge the hot reserve transformers within the target date to avoid any power crisis due to breakdown of transformer. Timelines for all associated works for ETC of Tr. such as civil works including Tr. Foundation, equipment replacement, cabling, etc. be also quantified. Monthly progress be apprised/updated in Delhi OCC meeting.

**(Action by Plg. Deptt., DTL)**

## **2.2 Status of Procurement of transformers, O&M minimum inventory/spares/services as well as equipments to be procured against PSDF schemes.**

### **1. Procurement of 09 nos. 220/66kV 160 MVA transformers.**

The P.O. for 09 nos. 160 MVA Transformers (2 for SGTN, 2 for Budhela, 2 for Gopalpur, 2 for Najafgarh and 1 for Kanjhawala) have been awarded to M/s BHEL.

OCC had previously advised that the above augmentation works at Gopalpur, Najafgarh & Kanjhawala need to be taken on priority basis. 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 by/ before March-2019 to meet the power demand of next summer season. Order for civil & erection works to be placed for early commissioning of above Transformers to avert any untoward situation/crisis which may arise due to transformer failure.

**C&MM deptt. updated that 03 nos. of BHEL make 160MVA Transformers are expected to reach the site by Jan-Mar 2019. OCC advised Planning deptt. to expedite in finalizing the drawings provided by M/s BHEL to ascertain the feasibility in existing Tr. foundations.**

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

### **2. Procurement of minimum inventory/spares.**

During the last OCC meeting, C&MM deptt. informed that the subjected PR has been approved by competent authority. Further, this PR is going to be put up in next meeting of Board of Directors. After its approval from Board the minimum inventory can be procured as per O&M requirements. OCC advised C&MM deptt. to take necessary actions for further proceedings.

**DTL C&MM deptt. updated that the case be put up in next board meeting..**

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

### **3. Procurement of materials under PSDF scheme.**

OCC opined 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.

**DTL updated that the order is already placed for procurement of materials under PSDF scheme. However, the placing of order for erection/ services is still pending which needs to be expedite for utilizing the supplied material.**

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

## **2.3 Reactive power compensation at 400kV & 220kV level in DTL network.**

During the previous OCC meeting, DTL Planning deptt. had inform that the standing committee of CEA on power system planning of Northern region in its 40<sup>th</sup> meeting held on 22.06.2018 (minutes issued on 30.07.2018) agreed for installation of fixed reactors at the following locations across Delhi. The reactors are required to be installed to address the

severe overvoltage problem being experienced in Delhi system. The detailed list as agreed in the meeting & provided in the minutes is given here under:

S.No.	Bus Name	Voltage level (kV)	Reactor (MVAR)
1	Mundka	400	125
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
<b>TOTAL</b>			<b>450</b>

OCC deliberated that due to delay in processing of installation of reactors it is going to be resulted into over/high voltage condition in upcoming winter season. Planning deptt. must expedite to install reactors at the above mentioned locations which was finalized considering the feasibility to compensate the reactive power in upcoming winter season. With regard to Electric Lane, the OCC was firm that 50MVAR reactor is more important than additional 100 MVA Transformer as after installation of 50MVAR reactor, no additional transformer can be commissioned due to space constraints.

OCC advised that all Discoms, DMRC, Gencos & DTL must put all efforts to control the injection of reactive power in their respective control areas to maintain the voltage profile at various levels during upcoming winter season. SLDC to monitor the overvoltage situation.

(Action by DTL Plg. deptt.)

#### 2.4 DTL Summer Action Plan-2019.

A meeting was held in the O/o-Dir(opr.), DTL on 25.07.2018 to finalize the summer action plan for 2019 in consultation with SLDC and DTL Planning & CMG deptt. The same was also apprised to OCC as under:-

S.No.	Details of the scheme	Time Line	Action Plan	Remarks
<b>North Delhi</b>				
1.	Addition of 1x160 MVA Transformer at 220kV Kanjhawala	15.05.2019	Existing foundation to be modified as per layout drawing of BHEL Tx to be supplied. As First 160 MVA from transformers package is to be utilize at Kanjhawala.	Civil PO to be awarded by C&MM soon.
2.	a)Addition of 220/66kV 1x100 MVA Transformer at 220kV Shalimar bagh	15.11.2018	Due to the load pattern observed at Mehrauli s/stn during the summer season and outage of 160MVA Power Tx at 220kV Vasant Kunj s/stn , it was decided to shelve the plan of shifting of 100MVA Tx from Mehrauli to Shalimar Bagh.	Mgr.(O&M) will intimate Civil deptt. for necessary modification in civil foundation as per the drawing.

	b)Addition of 220/33kV 1x 100 MVA at Shalimar bagh	15.06.2019	<p>It has now been decided to shift the existing dual ratio 100MVA EMCO make Power Tx at Shalimar Bagh which is connected there at 33kV level to newly commissioned 220kV Bay and will be charged at 66kV level at Shalimar bagh itself.</p> <p>After repair of 3<sup>rd</sup> 100MVA 220/33kV Tx of Preet Vihar, it would be diverted to Shalimar Bagh in place of above mentioned EMCO make dual ratio Tx.,which is presently charged there at 33kV level and planned to be charged at 66kV level at Shalimar bagh itself.</p> <p>220/66-33kV, 100 MVA Transformer will be shifted from 220kV Gopalpur S/stn. to Shalimar Bagh, as the same is being replaced with 220/66kV 160MVA Tr. New 220kV &amp; 33kV Transformer bays shall be constructed under QVC of existing contract.</p>	
3.	BRPL would be persuaded to transfer the load of Nangloi from Najafgarh to Mundka	--	<p>The matter was discussed in SCM, it was informed by BRPL that this U/G cable is stable barring a cable fault in the summer months. BRPL was also requested to make possible effort to revive the 66kV Mundka-Nagloi feeder.</p>	<p>BRPL submitted that it is difficult to revive the cable. However, the Mangolpuri T Off section would be revived by BRPL to reduce the loading at Najafgarh.OCC advised BRPL to expedite the work so that the same is available by summer 2019 to reduce the</p>



				<b>burden of already overloaded Najafgarh Sub-stn.</b>
4.	Addition of 1x160 MVA Transformer at 220kV Goplapur	15.05.2019	66kV GIS is being re-rendered and would not be available in next summer. As a stop gap arrangement, 160 MVA Tx would be installed on back to back arrangement at 66kV level for redundancy. TPDDL would be requested to provide 1.0KM 66KV 1000Sq MM cable on loan basis, as discussed in last SM dated 04.07.2018	TPDDL assured to take up the matter with their management.
5.	TPDDL to divert load from 220kV Rohini-I to 220kV Rohini-II	31.08.2018	In the SCM dated 04.07.2018, TPDDL has informed that they will cater the load of 66kV DC-1 and RG-4 s/stns from 220kV Rohini-II s/stn in place of 220kV Rohini-I s/stn. This would be reduce the load of Rohini-I by 70MVA.	Loading of 66kV cable emanating from Rohini-II to RG-28 shall be increased.
<b>West Delhi</b>				
1.	Re-commissioning of faulty 160 MVA BHEL make transformer at Pappankalan-III.	30.10.2019	It has been decided to commission 3 <sup>rd</sup> 160 MVA BHEL make Transformer from Transformer package at Pappankalan-III.	
2.	BRPL would be persuaded to shift the load of their G-2 grid substation from Pappankalan-I to Pappankalan-III by way of 66kV cable connection	31.03.2019	BRPL agreed in the SCM held on 04.07.2018	BRPL informed that the work is under progress
3.	Augmentation of one no. 160 MVA transformer at Najafgarh	30.04.2019	Repaired BHEL make 160 MVA transformer of Pappankalan-III will be utilized at Najafgarh. Civil department has to suitably modify the existing foundation of 100MVA Tx into 160 MVA Power Tx during the shutdown period	Civil PO to be awarded soon by C&MM.

			in the month of Nov to Dec, so that supplied 160MVA Power Tx could be installed at the plinth of the said 100MVA Tx in minimum possible time.	
<b>South Delhi</b>				
1.	Creation of 2 nos. of 220kV Bays at Okhla for getting infeed from 400/220kV S/stn. Tuglakabad.	31.12.2018	Work awarded and execution under progress.	Project-I Dept. updated that Civil work is under progress. Elect. work will start after completion of civil foundation work.
2.	BRPL is to be persuaded for executing their already conceived scheme to lay 66kV feeders to (i) Malviya Nagar (ii) Batra Grid from 220/66kV Tuglakabad substation.	Along with the commissioning of s/stn	Cable laying has been done by BRPL.	Planning & CMG Deptt. to follow up with BRPL
3.	BRPL is to be persuaded for putting load at 220kV R.K.Puram to relief Mahrauli/Vasant Kunj S/stn.	31.03.2019	In the SCM held on 04.07.2018, BRPL informed that they have already laid 04 no of 33kV cables and it would be connected soon.	BRPL shall explore to charge by March 2019.
			For 66kV Level they would connect 66kV Vasant Kunj B-Block feeder to evacuate about 60-70MVA capacity before summer 2019.	In view of outage of 160 MVA Tr. at V.Kunj, BRPL should explore the possibility to connect the cable between R.K. Puram and Vasant Kunj B-Block by March 2019.

			The faulty 66kV VasantKunj-Ridge Valley cable ckt. Will be LILoed at R.K.Puram	The ckt. will be utilized for next Stn at west of JNU. BRPL expressed their inability to revive the cable.
4.	The replacement of damaged 1x160 MVA Tr. at Vasant Kunj	31.03.2019	The 100MVA Transformer being spared after augmentation at 220kV NJF, would be used at Vasant Kunj	The 100MVA Tr. spared from Najafgarh can't be utilized at V. Kunj, since the existing civil foundation at V. Kunj is compatible for 160MVA Tr. which is for three rail foundation. As such new 160 MVA Tr. needs to be procured. <b>BRPL was advised to expedite the commissioning of 66kV R.K. Puram- V. Kunj B-Block feeder before summer 2019 to reduce the burden on 220kV V. Kunj S/Stn.</b>
<b>East Delhi</b>				
1.	Addition of 2 no 66kV Bays at Gazipur to feed PPG Industrial Area and Mayur Vihar for reliability.	31.03.2019	Scheme under finance vetting	Estimate under civil deptt.
2.	Addition of 2 no 66kV Bays at SOW to feed Bhagirathi for reliability.	31.03.2019	Scheme under preparation	BOQ and estimate under financial vetting.

(Action by DTL/Discoms)

## 2.5 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 advised Discoms to put all out efforts for minimum 50% load by march-2019 against capacity of these sub-stations, so that the load relief can be provided on other over loaded Transformers & sub-stations.**

**(Action by BRPL/BYPL)**

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

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

**After deliberation, the shutdowns were approved subject to real time loading conditions. Approved shutdown list is enclosed as Annexure.**

## 3. SLDC Agenda

### 3.1 Planned shutdown request of PGCIL for 220kV bus-I & bus-II at Maharani bagh Sub-stn on continuous basis for eight days.

In 151<sup>th</sup> & 150<sup>TH</sup> NRPC outage coordination meeting PGCIL has requested the shutdown of 220Kv bus-I & bus-II at Maharani bagh stn on continuous basis for eight days to rectify SF6 gas leakage in B- Phase B3 compartment of bay 203. The shutdown details are as under:

Sr. NO.	ELEMENT NAME	DURATION	REASON
1.	220KV BUS-I MAHARANIBAGH	22.10.18(08.00) to 29.10.18(18.00)	SF6 Gas leakage rectification work in B-Ph B-3 compartment of Bay 203. B-3 Compartment is connected with Both Bus-Bar. So to work on B-3 compartments, it's required both Bus-Bar Shutdown. Gas leakage rectification work shall be done by M/s ABB(OEM). LOA has been issued to OEM. During shut period, power flow shall be fully interrupted from 220kV side .

2.	220KV BUS-II MAHARANIBAGH	22.10.18(08.00) to 29.10.18(18.00)	SF6 Gas leakage rectification work in B-Ph B-3 compartment of Bay 203. B-3 Compartment is connected with Both Bus-Bar. So to work on B-3 compartments, it's required both Bus-Bar Shutdown. Gas leakage rectification work shall be done by M/s ABB(OEM). LOA has been issued to OEM. During shut period, power flow shall be fully interrupted from 220kV side.
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After deliberation, the shutdown of 220kV Bus-I and Bus-II were tentatively approved w.e.f. 14 Nov to 18 Nov, 2018 for the desired mtc. work by PGCIL. However, PGCIL should note that the above shutdown is going to leave 03 nos. radial feed substations (i.e. Lodhi Road, Electric Lane & Masjid Moth) with only 33kV back-feed arrangement. Therefore, PGCIL should put all out efforts to revive the 220kV Buses at M. Bagh in the least possible time by engaging sufficient man-power. PGCIL should further note that repeated shutdown of 220kV Bus at M. Bagh is not possible being the most vital link for Delhi power network.

Further the O&M deptt. should explore the possibility to feed atleast one of the 220kV Lodhi Road ckt. either through 220kV M.Bagh-Ghazipur or 220kV M.Bagh-Pragati Ckt. During the shutdown period.

SLDC will call a meeting with BRPL for load management. OCC advised DTL to carry out the mtc. work of line/sub-stn equipments for the transmission element connected with Maharani Bagh Sub-stn during the shutdown period.

(Action by PGCIL/DTL/SLDC)

### 3.2 System study for capacitor requirement in NR for year 2018-19.

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.

In 151<sup>st</sup> NRPC OCC meeting the format for data collection has been modified and the NR constituents were requested to submit data in revised formats.

The representative from CPRI (Dr. Manohar Singh) made a detailed presentation explaining the format for capacitor study for 2019-20 of NR. CPRI has made a detailed video explaining the format which is available on YouTube at the given link (<https://youtu.be/QTxx7owPF3g>). Personnel concerned for collecting the data is advised to go through the video before collecting the same for the study.

CPRI has also requested to initially fill the attached data format for any one 220 kV or 132 kV substation and send it back CPRI ([manoharsingh@cpri.in](mailto:manoharsingh@cpri.in)) to check its suitability for utilization in carrying out the study. Once CPRI gives a go ahead for the submitted data, the data for the complete state network shall be collected and made available to CPRI.

The revised formats have been attached with necessary guidelines such as PPT and Video for filling the data in desired formats.

**OCC advised that the data be filled up by all the utilities in desired format.**

### **3.3 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 149 NRPC 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 –III.

**During the previous Delhi OCC meeting held on 28.08.2018, OCC deliberated that this agenda has been discussed in OCC meeting for multiple times, but till now the requested data has not been provided by Discoms & DMRC. OCC requested all concerned to furnish the requisite data required for GIS based energy mapping.**

**SLDC informed that till date only BYPL have submitted the data. All the Discoms, DMRC & Genco's were requested to submit the requisite information.**

**(Action by all Discoms/DMRC/Gencos)**

### **3.4 Status of implementation of recommendations of enquiry committee on Grid disturbances held 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 held on 30 and 31.07.2012 is not updated by DTL and Delhi Genco's to NRPC.

**In 147<sup>th</sup> NRPC OCC meeting,** All utilities were requested to update the information as per the letter enclosed at Annexure 18 with the Agenda of the 146th OCC meeting.

The indicative formats are attached.

DTL and Delhi Gencos are requested to submit the status to NRPC.

**It was deliberated that the DTL / Gencos will submit the requisite information to NRPC and with information to SLDC.**

**(Action by DTL/Gencos)**

### **3.5 Damage of DTL 220kV Peeragarhi - Mundka both optical fibre cable along with DTS fibre by M/s BRPL on dt.-06.06.2018.**

DTL informed that both optical fibre cable along with DTS fibre between 220kV Peeragarhi – Mundka D/C has been damaged by M/s BRPL on dt.-06.06.2018 during tracing/rectification of fault in their 66 KV Mundka-water works cable emanating from Mundka Sub-stn. which is running in parallel to DTL 220kV Peeragarhi – Mundka D/C cable.

The matter was also deliberated in Delhi OCC Meeting (03/18-19) held on 15.06.2018 at DTL, 220kV Sub Stn Park Street Building in which it was mutually agreed that BRPL will execute the digging/ excavation works at the location of damaged optical fiber while DTL is going to repair the damaged fiber & the cost of repair works will be booked on account of BRPL.

However, as on date no action in this regard have been taken by M/s BRPL.

**After deliberation it was decided that a joint site visit be done by Head, EHV-BRPL and DGM(SCADA), DTL and further course of action will be decided at site.**

**(Action by DTL/BRPL)**

#### 4. BYPL Agenda

##### 4.1 Energization of 66kV Shastri Park Ckt.-II & III instead of 66kV Ghonda Ckt.-I from DTL 220kV South of Wazirabad Sub-stn on dt.-17.09.2018 at 16:35 hrs.

BYPL have informed that a planned shutdown of 66kV Ghonda Ckt.-I was availed by them at 220kV South of Wazirabad S/Stn on dt.-17.09.2018 at 10:10 hrs. Planned shutdown was also availed on 66kV O/G ckt. Shastri Park Ckt.-I, II, III & IV at 10:33 hrs. by BYPL. All the above five nos. 66kV ckts. were earthed at both ends.

At 16:19 hrs., BYPL Mtc. staff gave clearance of 66kV Ghonda Ckt.-I and requested SLDC for energization of this Ckt. from South of Wazirabad end after removing the earth link.

However, At 16:35 hrs., heavy sound and flash was observed at 66kV Shastri park grid.

Later, it was revealed that 66kV Shastri Park ckt.- II & III was energized from DTL South of Wazirabad end in place of 66kV Ghonda Ckt.-I. Fortunately, all the men and materials were removed from Shastri park feeders.

BYPL have requested that the issue be looked into by DTL to avert such incidences in future. Letter in this regard have also been written by BYPL to SLDC and is attached as Annexure-BYPL.

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

**In case of shutdown related operations, as per present practice, the Discom circuits are usually charged from DTL station end after clearance of PTW (taken either from DTL end or at Discom end itself) and confirmation from SLDC. As brought out above that this can lead to confusion and consequent mishap.**

**In order to avoid the same, it was decided that after the first layer of confirmation of charging, by the Control rooms of both SLDC and Discoms, as a second layer of security, the control room person involved in energization of ckt. should personally ascertain the other end position regarding the clearance of man/material and earthing and then only charge the circuits. This practice is already followed at 400KV level .**

**In case, the communication could not be successful (due to technical issues), the line should be back charged by the Discom, before charging from DTL end.**

**(Action by DTL/Discoms)**

#### 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	Updated status of outage
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 16.11.2018.
3.	33kV ALAKHNANDA - OKHLA CKT.-I	BRPL	19.04.2018	BREAKER PROBLEM. Expected by 25.10.2018.
4.	33kV RIDGE VALLEY - KHEBAR LANE CKT.-II	BRPL	13.01.2016	'R' PH. SINGLE CABLE FAULTY. Expected by 13.11.2018.

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5.	EXHIBITION GROUND-I-33kV INCONNECTOR	BRPL	30.05.2018	CABLE FAULTY. Expected by 30.11.2018.
6.	33kV LODHI ROAD - EXHIBITION GROUND-II CKT.	BRPL	02.08.2018	'R' PH. SINGLE CABLE FAULTY. Expected by 02.12.2018.
7.	33kV OKHLA PH.-II-JAMIA -T-OFF SARAIJULIENA CKT.	BRPL	14.08.2018	T-POINT SIDE JUMPER OPENED. Expected by 24.10.2018.
8.	33kV SIRI FORT - MEDICAL CKT.	BRPL	21.08.2018	'Y' PH. SINGLE CABLE FAULTY. Expected by 28.10.2018.
9.	33kV VSNL – NEHRU PLACE CKT	BRPL	23.08.2018	UNDER SHUTDOWN. Energized on 07.10.2018.
10.	220kV OKHLA – 33kV MASJID MOTH CKT	BRPL	29.08.2018	UNDER SHUTDOWN. Expected by 20.11.2018.
11.	33kV AMBIENCE MALL – V.KUNJ 'B' BLOCK T-OFF ANDHERIA BAGH CKT.	BRPL	31.08.2018	JUMPER OPENED FROM T-OFF ANDHERIA BAGH. Energized on 29.09.2018.
12.	220kV TRAUMA CENTRE-33kV BHIKAJI CAMA PLACE	BRPL	20.09.2018	SINGLE CABLE FAULTY. Energized on 25.09.2018.
13.	33kV ROHTAK ROAD-VISHAL CKT.	BRPL	09.09.2018	UNDER BREAKDOWN. Energized on 03.10.2018.
14.	66kV MUNDKA - NANGLOI CKT.	BRPL	08.05.2017	'B' & 'Y' PH. CABLE FAULTY. Expected by 11.11.2018.
15.	20MVA PR. TR.-II AT S.B. MILL	BRPL	14.09.2018	UNDER SHUTDOWN. Energized on 03.10.2018.
16.	33kV VISHAL-SUDARSHAN PARK CKT.	BRPL	17.09.2018	UNDER SHUTDOWN. Energized on 21.09.2018.
17.	400kV MUNDKA - 66kV NANGLOI W.WORKS CKT.	BRPL	24.09.2018	UNDER SHUTDOWN. Expected by 30.10.2018.
18.	220kV PATPARGANJ - GURU ANGAD NGR CKT.-II	BYPL	24.09.2018	'B' PH. CABLE FAULTY. Energized on 04.10.2018.
19.	66KV MANGOLPURI-I - T-OFF NANGLOI CKT.	TPDDL	09.03.2018	CABLE FAULTY. Expected by 15.11.2018
20.	33kV SHAHZADA BAGH - T-OFF RAMA ROAD CKT.	TPDDL	13.04.2018	CABLE FAULTY. Expected by 31.10.2018.
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. EXPECTED BY SEPTEMBER 2018.
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. Expected by 15.10.18.
25.	66kV CAPACITOR BANK AT 220kV NARELA	DTL	11.08.2018	66kV CAPACITOR BANK CELLS BLASTED AT 220kV NARELA. TO BE REPLACED. EXPECTED BY OCTOBER 2018.
26.	220/33kV 100MVA PR. TR.-I AT 220kV RPH STN.	DTL	03.09.2018	TRIPPED ON BUCHOLZ AND DIFFERENTIAL RELAY.TRANSFORMER FAILED.
27.	315MVA ICT-III AT 400kV BAWANA	DTL	02.09.2018	TRIPPED ON DIFFERENTIAL. 'Y' PH. Bushing damaged. Being Attended by



				PGCIL. Expected by October-2018.
28.	STG-2 at PPCL Bawana	PPCL Bawana	01.10.2017	Problem in Generator Transformer. Energized on 13.09.2018.

**The meeting ended with vote of thanks to the chair**

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

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