

**DELHI TRANSCO LIMITED**  
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**Office of Dy. Gen. Mgr. (OS & Lines)**  
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**MINUTES OF THE OCC MEETING DT. 24.03.2015**

GM (O&M)-I, DTL, Chairman-Delhi OCC welcomed the members and distinguished guests to the meeting. DGM (OS&L), DTL – Convener Delhi OCC informed that as summer season is on threshold, all possible efforts are required to be made for meeting the Summer Load. OS department gave a presentation on the Operational Grid Scenario for the month of February, 2015 and Planning for April, 2015.

List of participants is enclosed.

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

**1.0 Confirmation of minutes of OCC meeting dtd. 13.02.2015**

Last OCC meeting was held on 13.02.15 in accordance with the agenda circulated vide letter dt.11.02.15. Minutes of the aforesaid OCC meeting were issued vide letter dated 16.02.2015 which were confirmed by the subcommittee.

**2.1 Setting up of control room by MES.**

MES has to set up an independent control room and SLDC is providing Consultancy services. During earlier OCC meeting, MES informed that the construction work of Control room building at Khyber Line was in progress. During OCC meeting dtd. 13.02.15, SLDC and MES informed that MoU have been signed by them. MES informed that tendering is in process.

MES informed that the building civil work is in progress and expected by the end of June, 2015.

OCC advised MES to expedite the work.

**(Action by MES)**

**2.2 Status of Installation of Capacitors – Study by Planning Deptt., DTL**

DTL had entrusted CPRI to study the installation of shunt capacitors in Delhi system on the advice of OCC. Accordingly CPRI carried out the study for reactive power compensation in Delhi. Final report had been submitted by CPRI and for its implementation; a copy of report had been emailed to all DISCOMs and GENCOs.

In the OCC meeting dt.13.01.15, DTL informed that during 33<sup>rd</sup> meeting of NRPC held on 11 Nov.2014 at Chandigarh it was decided that NRPC will hold a meeting with DTL and POWERGRID to finalize the requirements of reactors.

During OCC meeting dt.13.02.15, SLDC informed that a meeting has been scheduled with internal stake holders by SLDC on dt.18.02.15 regarding reactive power study.

SLDC convened a meeting with DISCOMs on dt. 18.02.15 to discuss on the Reactive Power Study report submitted by CPRI and DISCOMs informed that they shall provide their comments by the end of March, 2015.

**(Action by DISCOMs)**

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

DTL updated the status of following hot reserves:

S. No	Capacity	Present population in nos.	Status of the hot reserve as on 24.03.15
1.	220/66kV, 160MVA Tx	18	DTL planning informed a scheme for additional 160MVA transformer has been prepared and is under procurement process and expected by the end of June, 2015.
2.	220/66kV, 100MVA Tx	41	DTL informed that indent has been sent for 220/66/33kV 100MVA Tx as hot reserve.
3.	220/33kV, 100MVA Tx,	36	

OCC advised DTL to expedite the work.

**(Action by DTL)**

### 2.4 Long/Recent outage of Elements in Delhi power system as on 20.03.2015 at 08:00 Hrs.

Members updated the status of Long/Recent outage of Elements in Delhi Power system as below:

S. No.	Element's Name	DISCOM/D TL	Date and Time of outage	Remarks/ Status as on 24.03.2015
1	33kV BAY -3 (IP – Kilokri)	BRPL	22.02.11	Clearance from Railways for laying of Underground cables near Bhairon Road is pending. DTL informed that railways has issued the order for carrying maintenance work along railway lines without any charges and advised BRPL to take up with railways for revival of circuit.
2	33kV Okhla (220kV) – Alaknanda CKT.-I	BRPL	17.09.13	BRPL informed that Panel replacement work to be done by BHEL. Expected by the end of March, 2015.
3.	66kV Vasant Kunj – Ridge Valley Ckt.-II ('Y' Ph. Cable)	BRPL	13.01.14	BRPL informed that contract is to be awarded for laying new cable.
4.	33kV BAY-5 (IP – Lajpat Nagar) along with 33KV ½ BUS at Lajpat Nagar.	BRPL	01.03.14	BRPL informed that Panel replacement work started by

				BHEL. Expected by 25 <sup>th</sup> March, 2015.
5.	33kV Kilokri – Jamia CKT. ('R' & 'B' Ph. Cable)	BRPL	15.03.14	Joint inspection by DTL and BRPL to be carried out for open trench laying of cable by BRPL on dt. 26.03.15.
6.	33kV VSNL – Nehru Place Ckt. (single cable)	BRPL	02.07.14	Cable fault could not be traceable due to deep cable and due to corridor congestion. Expected by the end of April, 2015
7.	66kV MUNDKA(400kV)- NANGLOI CKT. (PUT OFF)	BRPL	11.11.14	Put off due to frequent cable faults
8.	33/11KV 16MVA PR. TR.-III AT ALAKNANDA	BRPL	13.12.14	BRPL informed that Circuit Breaker is damaged. Expected by 30 <sup>th</sup> March 2015.
9.	33kV VASANT KUNJ B BLOCK - LEVER INST CKT-II	BRPL	11.01.15	BRPL informed that Cable is faulty. Expected by 25.03.15
10.	33kV NIZAMUDDIN - EXHIBITION GROUND -I	BRPL	20.01.15	Ckt. put OFF. BRPL informed that the circuit has been abandoned as it got outlived.
11.	66kV PPK -I BODELLA -I CKT.	BRPL	01.02.15	Cable shifted at PPK-I end. Commercial agreement with DTL is pending.
12.	33kV RIDGE VALLEY - KHEBAR LINE CKT.-I	BRPL	08.02.15	'Y' phase cable and circuit breaker faulty (single cable). Replacement of breaker required and expected by the end of April, 2015
13.	33kV OKHLA(220kV) - OKHLA PH.-II CKT.- II	BRPL	01.03.15	'Y' phase of cable faulty.
14.	50MVA PR.TR.-I AT RIDGE VALLEY	BRPL	01.03.15	LA faulty. Expected by 31.03.15
15.	50MVA PR.TR.-I AT NANGLOI	BRPL	01.03.15	LA faulty. Expected by 31.03.15
16.	66KV HASTHAL - GGSH CKT-II	BRPL	15.03.15	Cable faulty. Expected by 25.03.15
17.	33kV REWARI LINE - MAYAPURI-T-OFF METAL FORGING CKT.	BRPL	16.03.15	'B' phase Cable faulty. Expected by 25.03.15
18.	11kV I/C-III OF 20MVA PR.TR.-III AT DEFENCY CLY	BRPL	16.03.15	Expected by 25.03.15
19.	33kV KILOKRI - R.K. PURAM-I CKT.	BRPL	17.03.15	Energized on 20.03.15
20.	66/33kV 50MVA PR. TR.-I at Gonda	BYPL	15.06.14	Tx has been sent to Works for repairing. Expected by the end of April, 2015.
21.	66kV GT - AKSHARDHAM CKT.	BYPL	03.01.15	BYPL informed that Re-routing of the cable is to be done due to cable theft issue. Expected by the end of April, 2015.
22.	66kV PPG INDL. AREA - GH-II CKT.-I	BYPL	13.03.15	'R' phase Cable faulty. Energized on 22.03.15
23.	33kV BHAGIRATHI - DWARKAPURI CKT.	BYPL	17.03.15	Single Cable faulty. Energized on 20.03.15
24.	33kV GONDA-SEELAMPUR-T-OFF DWARKAPURI CKT.	BYPL	18.03.15	'B' & 'Y' phase Cable faulty. Expected by 03.04.15
25.	33kV SHALIMARBAGH(220kV)-SMB KHOSLA O/H CKT.-I	TPDDL	19.03.15	Energized on 21.03.15
26.	33kV SCHOOL LANE - VIDYUT BHAWAN CKT.	NDMC	14.12.14	Circuit Breaker Replacement work is under progress at 66kV School Lane S/Stn. expected by the end of April 2015.
27.	66kV DMRC CKT.-II AT 220kV PPK-I	DMRC	17.05.13	Cable damaged due to fire. civil

				work for nala crossing in progress. expected by end of June '2015.
28.	220kV MAHARANI BAGH - TRAUMA CENTRE CKT-I	DTL	19.12.14	Cable damaged by external agency. The repair work to be started and expected by the end of April, 2015.
29.	400kV BAMNAULI - JHATIKARA CKT-I	DTL	16.03.15	Straight through joint burnt. Cable damaged. Expected by the end of April, 2015

OCC advised members to expedite the work.

**(Action by DTL, BRPL, BYPL, NDMC, DMRC)**

## 2.5 Shifting of Control Room at 220kV Indra Prastha Substation.

The control room of 220 and 33kV switchyard at Indraprastha substation was to be shifted from the old building of IP Power Station after its closure. During the OCC meeting held on dt. 20.10.14, GM (O&M)-II, DTL informed that a committee had been formulated regarding setting up of Control Room at I.P. Substation. DISCOMs requested that the construction and strengthening of boundary wall at I.P. Substation should be considered on priority to avoid theft to some extent and safety of assets and maintaining continuity of supply.

During OCC meeting dt. 13.01.15, DTL informed that the estimate for the same has been prepared and is under process of approval. Setting up of control room is expected by the end of December 2015. DTL also informed that the height of boundary wall shall be raised by the end of December, 2015 as the tender is being floated for both works of shifting of control room and rising of the height of boundary wall.

**(Action by DTL)**

## 2.6 Status of 220kV Peeragarhi substation

During OCC meeting dt.13.02.15, DTL informed that the work of 220kV cable i.e. Double circuit from Mundka to Peeragarhi is expected by the end of March, 2015.

DTL informed that one circuit is expected by the end of March, 2015 as that 9 joints and 6 no. sections of OFC are to be done. OCC advised DTL to ensure readiness of communication system before energization of the cable.

OCC also advised DTL to expedite the work and use radio communication for temporary purpose.

**(Action by DTL)**

## 2.7 Leakage from 33kV feeder at 220kV Trauma Centre S/S.

DTL informed that there has been a leakage of SF<sub>6</sub> gas from 33kV out-going feeder i.e. Rajeev Gandhi Bhawan at 220KV S/Stn Trauma Centre and is out of service from past eight months. As per the OEM i.e. Schneider Electric (Formerly Areva), the leakage was mainly due to the

improper termination/connecting of 33KV cable in GIS. DTL informed that the terminations of feeder cable are made by NDMC and due to improper workmanship the leakage from the panel took place. NDMC informed that the feeder was in service for a considerable time and the SF<sub>6</sub> gas leakage is not attributable to them.

OCC advised DTL and NDMC to have joint inspection on 6<sup>th</sup> April, 2015 at 11:00 A.M. at 220kV Trauma Center Substation for discussing above issue beside other issues like lighting, sewer problem etc. at substations.

**(Action by DTL, NDMC)**

## **2.8 Status of additional allocated bay at 220KV Pappankalan-I S/Stn. for 66KV Bodela-1 grid**

Earlier in OCC, DTL informed that one additional allocated bay for Bodela 1 grid at 220 kV Pappankalan –I S/Stn. was ready. BRPL informed that cable is ready and bay clearance is required from DTL. DTL confirmed that the bay is ready and connection agreement is pending.

OCC advised BRPL and DTL to have connection agreement at the earliest.

**(Action by BRPL)**

## **3.0 Increasing of Generation schedule for GTPS and PPCL by SLDC**

GTPS and PPCL received very less schedule from SLDC/DISCOMs in comparison of DC of GTPS and PPCL. As per the Long term RLNG Gas Sale Agreement with M/s GAIL, GTPS and PPCL have to consume 90% of allocated quantity of gases otherwise take or pay clause shall be applicable. However, during the current financial year, for PPCL utilization of allocated gas is in the range of 65-75% which implies PPCL is liable to pay MGO (Minimum Guaranteed off take of gas) charges to M/s GAIL as the utilization of the gas is less than 90% as per agreement. Similarly, GTPS was demanded Rs. 91.02 crores by M/s GAIL against the 'Pay for if not taken liability'. GTPS informed that 'Pay for if not taken liability' has to be bear by DISCOMs.

Further, GTPS and PPCL requested SLDC to increase the generation schedule so that their consumption of allocated quantity of gas by M/s GAIL shall be 90% and avoid any penalty.

Members from GTPS (IPGCL) and PPCL could not attend the meeting for deliberation on the same. However, OCC advised DISCOMs to take up with GENCOs regarding scheduling.

**(Action by PPCL, GTPS and DISCOMs)**

## **4.0 Agenda points of TPDDL**

### **4.1 Status of 66kV Bay at 220kV Kanjhawla**

TPDDL informed that 66kV Ghevra circuit has already been laid and charged from Ghevra to Kanjhawla but due to non-availability of Bay at 220kV Kanjhawla, circuit could not be connected there. Also 66kV Ghevra- RG23 circuit is planned to LILO at 220kV Kanjhawla. But

due to non-availability of bay at 220kV Kanjhawla, it is also pending. TPDDL requested DTL to update the status.

DTL informed that the work is at stage of award of contract and completion date will be 5 months from the date of award of contract.

OCC advised DTL to expedite the work.

**(Action by DTL)**

#### **4.2 To replace 11kV Faulty Panel at 220kV Kanjhawla**

TPDDL informed that 11kV JJ Colony Feeder -2 has been proposed from 220kV Kanjhawla. 11kV Feeder was laid and connected as per scheme. But it was on no load for long time due to 11kV VCB problem at grid. For summer 2015, to mitigate overloading of 11kV Feeder ABC Kanjhawla (from 220kV Kanjhawla), TPDDL need to take load on that Panel of 220kV Kanjhawla. TPDDL also inform that no additional load will be added at Grid as it is to reduce load of 11kV ABC Kanjhawla which is also emanating from 220kV Kanjhawla. Accordingly, TPDDL requested to provide VCB as early as possible in order to maintain reliability in zonal area and to avoid unnecessary overloading.

DTL informed that it will check the status. It was also informed that DERC does not allow expenditure on 11kV system TPDDL may spare if they have VCB of same make.

OCC advised DTL and TPDDL to resolve.

**(Action by DTL, TPDDL)**

### **5.0 Proposed Shutdowns**

#### **5.1 Proposed shutdown at 400kV Tikri Kalan Substation**

OCC approved the following shutdowns proposed by DTL at 400kV Tikri Kalan Substation:

S. No.	Proposed Date & time of S/D	Name of the feeder / equipment	Work to be carried out	Remarks	Approved Date & time of S/D
1	30.03.15 (09:30Hrs. to 13:30Hrs)	66kV Bay No. 620 (DMRC)	For CB and other equipments testing as per PMS	Load of 66kV DMRC to be managed by SLDC	30.03.15 (09:30Hrs. to 13:30Hrs)
2	06.04.15 (09:30Hrs. to 17:40Hrs.)	66kV Bus III & IV	For Preventive Maintenance	Load of 66kV Feeders (Ghevra, Mangol Puri, Nangloi, Nangloi water works, DMRC will effect)	29.03.15 (09:30Hrs. to 17:40Hrs.)
3	07.04.15 (09:30Hrs. to 17:40Hrs.)	66kV Bus I & II		No Load will effect	07.04.15 (09:30Hrs. to 17:40Hrs.)
4	17.04.15 (09:30Hrs. to 17:00Hrs.)	220kV Bus-I		No Load will effect	17.04.15 (09:30Hrs. to 17:00Hrs.)
5	21.04.15 (09:30Hrs. to 17:00Hrs.)	220kV Bus-II		No Load will effect	21.04.15 (09:30Hrs. to 17:00Hrs.)

6	22.04.15 (09.30Hrs. to 17:00Hrs.)	220kV Bus-III		No Load will effect	22.04.15 (09.30Hrs. to 17:00Hrs.)
7	23.04.15 (09.30Hrs. to 17:00Hrs.)	220kV Bus-IV		No Load will effect	23.04.15 (09.30Hrs. to 17:00Hrs.)

(Action by DTL)

## 5.2 Proposed shutdown at 220kV Okhla Substation

OCC approved the following shutdowns proposed by DTL at 220kV Okhla Substation:

S. No.	Proposed Date & time of S/D	Name of the feeder / equipment	Work to be carried out	Remarks	Approved Date & time of S/D
1	28.03.15 08:00 Hrs to 29.03.15 17:30 Hrs.	220 KV BTPS Ckt. II	Replacement of line isolator with new isolator.	Load to be taken on 220 KV BTPS Ckt. I. Excess load if any, to be managed by BRPL.	27.03.15 08:00 Hrs to 28.03.15 17:30 Hrs.
2	30.03.15 (09:30 Hrs to 17:30 Hrs.)	220 KV BTPS Ckt. I	Replacement of RYB ph. C.T dropper jumper & PG clamp with C-Wedge clamp.	Load to be taken on 220 KV BTPS Ckt. II. Excess load if any, to be managed by BRPL.	30.03.15 (09:30 Hrs to 17:30 Hrs.)
3	04.04.15 (09:30 Hrs to 17:30 Hrs.)	33 KV I/C No. III along with 33 KV Bus-II, 33 KV East of Kailash and 33 KV I/C No. IV	Replacement of Isolator jaw fingers of 33 KV I/C No.III Bus-II isolator.	Load to be taken on 100 MVA Tx. V. 33 KV East of Kailash will remain OFF as there is no Bus selection. Excess load if any, to be managed by BRPL.	01.04.15 (09:30 Hrs to 17:30 Hrs.) Subject to loading conditions and press release by DTL
4	04..04.2015 (09:30 Hrs to 17:30 Hrs.)	33 KV Tughlakabad	Repairing of Bus-II conductor near bus-II isolator	Load to be managed by BRPL.	

(Action by DTL)

## 6.0 The status of various projects/works as deliberated in 11<sup>th</sup> GCC meeting dt. 29.12.14 (Additional agenda)

In the 11<sup>th</sup> Grid Coordination Committee (GCC) meeting held on 29.12.2014, DTL was advised to update the status of critical transmission works in monthly Operational Coordination Committee meeting (OCC) so that Discoms may manage the load. The updated status of ongoing projects of DTL and Discoms (basic data is obtained from MoM of the meeting held on 07.01.2015 in the office of Principal Secretary (Power), Govt. of NCT of Delhi) is detailed hereunder:

- a) **Transmission System Improvement projects to be completed to meet the Summer 2015 demand**

S. N.	Details of System Improvement project	Reason for requirement	Timeline fixed by MoP, GoI / DTL	Executing Agency	Current status	Revised Timeline
1	Commissioning of 220/66kV 160MVA TxS at Wazirabad	To provide (N-1) criteria and to reduce loading on existing transformers	31.05.13	DTL	Transformer commissioned on 16.01.2015 at 16.01hrs.	-----
2	Commissioning of 220/66kV 160MVA TxS at Gazipur	To provide (N-1) criteria and to reduce loading on existing transformers	30.06.13	DTL	Transformer commissioned on 18.03.2015	-----
3	LILO of 220kV Najafgarh – Kanjhawala Ckt at Mundka	To ensure maximum evacuation from Mundka 400kV S/Stn and easing of loading on 400/220kV 4X315MVA ICTs at Bamnauli	30.06.13	DTL	Total nos. of towers required to be erected in this section are 35. Out of 35, 30No. Foundations have been cast and 19 towers have been erected. There is resistance from Farmers/Locals regarding laying of this tower line and at present 4No. Court Cases are also pending. However, all out efforts are on to commission 220kV Mundka – Najafgarh – Kanjahwala Ckt by end of March 2015. The LILO of second circuit between Najafgarh and Kankhawala at Mundka at planning stage.	31.03.15
4	Commissioning of 220kV Peera Garhi S/Stn	To ensure maximum evacuation from Mundka 400kV S/Stn and easing of loading on 400/220kV 4X315MVA ICTs at Bamnauli and reducing the loading of 220/66kV TxS at Najafgarh, Pappankalan-I & II	30.06.13	DTL	S/Stn part has been completed. The 220kV in feed from Mundka is expected by March 2015	31.03.15
5	Commissioning of 220kV Peera	--do--	31.05.13	DTL	Substation at Wazipur has been commissioned and energized from Shalimar Bagh through 220kV Wazirpur double circuit	31.05.15



	Garhi – Wazipur D/C cable				cables. The contract issues with the vendor namely M/s TBEA has been settled for commissioning of 220kV Peera Garhi –Wazirpur D/C cable. Expected by May 2015	
6	Commissioning of 220kV Bawana – Rohini-II Double Ckt line (O/H)	To reduce loading of 220kV Rohini-I S/Stn	Before summer 2014.	DTL	Likely to be commissioned by end of March 2015	31.03.15
7	Commissioning of 220kV Gazipur – Patparganj link	To reduce the loading of 220kV Wazirabad – Geeta Colony Ckts and to increase the supply of Patparganj	31.08.14	DMRC	It is cost sharing work undertaken by DMRC. Delayed due to non permission of digging in monsoon. Expected by end of March 2015	31.03.15
8	Augmentation of 2X 220/66kV 100MVA Txns to 160MVA Txns at Pappankalan-I	To control the loading of existing transformers and to create reliability of supply	Before summer 2014	DTL	NIT floated. Initially, only one bid was received on 29.12.14 and subsequently extended for 12.01.15 and further on 30.01.15. Total two bids have been received which are under evaluation.	31.12.15
9	LILLO of one circuit of 220kV Bamnauli – Najafgarh link at Pappankalan-II	To provide alternate source at Pappankalan-II	By end of March 2015	DTL	Scheme is for reliability. NIT has been issued. Bid to be opened on 30.01.2015. Still no bid has been received. Now it has been decided to float new tender clubbing similar works in a similar tender on multi package basis.	31.12.15
10	LILLO of one circuit of 220kV Bamnauli – Naraina Ckt-I at Pappankalan-I	To provide alternate source at Pappankalan-I	By end of March 2015	DTL	Scheme is for reliability. Bid opened on 26.12.14 and 09.01.2015 in which only one bid was received. Hence, date was extended to 28.01.2015. On 28.01.15 also, no additional bid was received. Hence it was decided to float new tender clubbing similar works in a similar tender on multi package basis.	31.03.16
11	HTLS re-conductoring of D/C	To provide reliable supply at Naraina and	By end of March 2015	PGCIL	Scheme is for reliability LOA issued by PGCIL. Shut-downs cannot be given upto October	31.05.15

	220kV Bamnauli – Naraina Ckts	Ridge Valley etc			2015. Hence, the works likely to be completed by March 2016	
12	HTLS re-conductoring of D/C 220kV Geeta Colony – Wazirabad D/C	To avoid over-loading of existing circuits and to enhance reliability of supply	31.03.15	PGCIL	Scheme is for reliability. Price bid opened on 07.01.15. Shut-downs cannot be given upto October 2015. Hence, the works likely to be completed by March 2016	31.05.15
13	HTLS re-conductoring of D/C 220kV IP Power – Sarita Vihar Ckts	To avoid over-loading of existing circuits and to enhance reliability of supply	31.03.15	PGCIL	Scheme is for reliability. Price bid opened on 07.01.2015. Shut-downs cannot be given upto October 2015. Hence, the works likely to be completed by March 2016.	31.05.15
14	LILO of first circuit of double circuit of 220kV Pragati – Sarita Vihar Ckt. at 400kV Maharani Bagh	To avoid over-loading of existing circuits and to enhance reliability of supply	31.03.15	DTL	Tender has been floated with due date of opening on 10.03.2015	31.03.16
15	Commissioning of 220kV Harsh Vihar – Patparganj D/C	To ensure maximum evacuation from Harsh Vihar and ease loading on Mandola system	31.03.15	PGCIL	Opening date of bidding is 13.01.2015.	31.03.16
16	Augmentation of 2X315MV A ICTs to 2X500MV A ICTs at Bamnauli.	To ease the loading of existing transformers and to enhance reliability of supply.	31.03.15	PGCIL	Work awarded to M/s CGL. There is possibility of diverting transformer at other location and expected to be commissioned by target date.	31.03.15
17	Augmentation of 4X315MV A ICTs to 4X500MV A ICTs at Mandola (PGCIL S/Stn)	To ease the loading of existing transformers and to enhance reliability of supply.	Two ICTs before summer 2014 and two before summer 2015	PGCIL	Two ICTs are expected by June 2015 and other two by end of 2015. To be executed by PGCIL. Last year, one additional 315MVA Tx was energized through common breaker. The same arrangement would be carried out before this summer	Two Tx by 30.06.15 and other two by 31.12.15
18	Augmentation of	To ease the loading of	Before summer	PGCIL	Two ICTs are expected by June 2015 and other two by end of	Two Tx by 30.06.15 and

	4X315MV A ICTs to 4X500MV A ICTs at Ballabgarh (PGCIL S/Stn)	existing transformers and to enhance reliability of supply.	2015		2015. To be executed by PGCIL.	other two by 31.12.15
19	Additional 220/66kV 100MVA Tx at Sarita Vihar	To enhance reliability of supply	Before summer 2015	DTL	Since only one bid was received on 29.12.14. Hence, tender date has been extended upto 15.01.15 and again upto 03.02.15. Only two bids received and got opened. Case is under tender committee.	31.12.15
20	Additional 220/66kV 160MVA Tx at DSIDC Bawana	To enhance reliability of supply	Before summer 2015	DTL	Since only two bids were received on 29.12.14. Hence, tender date has been extended upto 15.01.2015. only two bids received. Hence date further extended to 30.01.2015 in which total three bids received which are under scrutiny.	31.12.15
21	Additional 220/66kV 160MVA Tx at Pappankalan-II	To enhance reliability of supply	Before summer 2015	DTL	Since only two bids were received on 29.12.2014. Hence tender date has been extended upto 15.01.15. Bid opened on 15.01.2015, only two bids received. LOI has been issued in favor of M/s Kanohar.	31.12.15
22	Additional 220/66kV 160MVA Tx at Kanjhawala along with 4 Bays at 66kV level	To enhance reliability of supply	Before summer 2015	DTL	Three bids have been received and the case is under tender committee.	30.06.15
23	Additional 220/33kV 100MVA Tx at Masjid Moth	To enhance reliability of supply	Before summer 2014	DTL	Since only one bid was received on 29.12.2014. Hence tender date has been extended upto 15.01.2015. only one bid received. Due date of BOD is 20.02.2015	30.06.15
24	Establishment of 33kV GIS at Lodhi Road with additional 220/33kV 100MVA Tx at Lodhi Road	To reduce the loading on the existing transformers	Aug. 2014	DTL	33kV GIS works completed. 220kV GIS work and additional transformer work to be completed by December 2015.	31.12.15

b) **Distribution System**

**2014-15**

**TPDDL**

<b>S N</b>	<b>Particulars / Name of the Project / Element</b>	<b>MVA Addition</b>	<b>Scheme Status</b>	<b>Present Status</b>
1	Augmentation of PTR-1 (16MVA to 25MVA) at 33 / 11 kV Gulabi Bagh Grid	9	Completed	
2	Augmentation of PTR-3 (16MVA to 25MVA) at 33 / 11 kV Ashok Vihar Grid	9	Completed	
3*	Augmentation of 16 MVA PTR-1 & 16 MVA PTR-2 to 25 MVA each in 33/11 KV Trinagar Grid	18	DERC Approval awaited	It will require in FY 16-17
4	Augmentation of 16 MVA PTR-1 & 16 MVA PTR-2 to 25 MVA each in 33/11 KV AIR Khampur Grid.	18	Completed	
5*	Additional 16 MVA PTR-3 at 33/11 kV Haiderpur Grid	16	DERC Approval Received (Dec'14)	Under execution. Will be completed in June
6*	Additional 25 MVA PTR-3 in 66/11 kV Bhalswa-1 Grid	25	DERC Approval Received (Dec'14)	Under execution. Will be completed in May
7*	Additional 25 MVA PTR-3 at 66/11 kV RG 22 Grid	25	DERC Approval received in Sep-2014	Under Execution. Will be completed in May
8*	Additional 16 MVA PTR-3 at 33/11 kV GTK Grid	16	DERC Approval received (Dec'14)	Under execution. Will be completed in June
9	Additional 25 MVA PTR-3 at 66/11 kV Bawana-7 Grid	25	Completed	
10	Additional 20 MVA PTR-3 at 66/11 kV RG-6 Grid	20	Completed	
11	Additional 25 MVA PTR-3 at 66/11 kV RG-23 Grid	25	Completed	
12	33kV Twin Cable (2 x 3C*400 sqmm) between 220kV Naraina and Pandav Nagar Grid	0	WIP	Under Execution. Will be completed on 31 <sup>st</sup> March
13	33kV Twin Cable (2 x 3C*400 sqmm) between 220kV Subzi Mandi and Shahzada Bagh Grid	0	WIP	Completed
14	Strengthening of 33kV Line between AIR Khampur and Tigi Pur Grid	0	WIP	Under Execution. Will be completed on 31 <sup>st</sup> March
15	33kV Twin Cable (2 x 3C*400 sqmm) between 220kV Peera Garhi and Rani Bagh CC Grid	0	Energisation is pending	Work at our end is completed. Pending at DTL end
16	33 /11 kV Rani Bagh CC Grid (2 x 20MVA + 2 x 3C*400sq.mm. XLPE from 220kV Peera Garhi Grid)	40	Completed	Work at our end is completed. Pending at DTL end
17	66/11 kV Dheerpur Grid ( 2 x 25MVA + 1*1000sq.mm. Cable LILO of 66kV line between 220kV Gopal Pur and Jahangir Puri Grid)	50	DERC Approval received in Sep-2014	Under Tendering

18	66 / 11 kV Prashant Vihar Grid (2 x 25 MVA + 1*1000sq.mm. cable LILO of 66kV line between Pitam Pura-1 and Rohini-3 Grid)	50	WIP	Under Execution. Will be completed on 31 <sup>st</sup> March 2015
19	66/11 kV Bawana-1 Grid (2 x 25 MVA + 66kV line from 220kV DSIIDC Bawana Grid + 66kV line LILO between 220kV Kanjhawla and BCWW Grid + 66kV LILO between BCWW and Bawana-7 Grid) line twin cable 1C*1000 sqmm	50	Completed	
20	33 /11 kV A-21 Naraina Grid (2 x 18 MVA + 33kV line LILO between Inder Puri and Rewari Line Grid), line twin cable 3*400 sqmm	36	Completed	
21	66 / 11 kV RG-34 Grid (2 x 25 MVA + D/C 1C*1000 sq.mm. cable from proposed 66kV RG-30 Grid + D/C 1C*1000 sq.mm. cable from proposed 220 kV Rohini-34 Grid )	50	DERC Approval received	Under Tendering (Deposit work)
22	66 / 11 kV Bawana-1 Ph-2 Grid (2 x 25 MVA + D/C O/H line LILO between 220kV DSIIDC Bawana and 66kV DSIIDC-2 Narela Grid.)	50	DERC Approval received	Under Tendering

**BYPL**

2014-15

S. No.	Voltage Level	Scheme Description	Capacity Addition (MVA)	DERC approval Status	Work Status
1	66/11kV	Establishment of New 66/11 kV Grid Sub-Station at Kondli Gharoli	50	Approved	Completed, Energised on 26/09/2014.
2	33/11kV	Establishment of New 33/11 kV Grid Sub-Station at DDU Marg	50	Approved	Grid Test charging done. Completed. Completion by Feb '2015
3	66/11kV	Addition of 25 MVA Power Transformer at 66/11 KV East of Loni Road Grid Sub-station	25	Approved	Completed
4	66/11kV	Addition of 25 MVA Power Transformer at 66/11 kV Bhagirathi Grid Sub-station	25	Approved	WIP, Mar-2015
5	33/11kV	Addition of 16 MVA Power Transformer at 33/11 kV Kanti Nagar Grid Sub-station	16	Approved	Completed
6	33/11kV	Addition of 16 MVA Power Transformer at 33/11 kV CBD-2 Grid Sub-station	16	Approved	Completed
7	33/11kV	Addition of Power Transformer of 25 MVA at 33/11 kV Delhi Gate Grid Sub-station	25	Approved	WIP. Completion by March 15
8	66/11kV	Addition of 20 MVA Power Transformer at 66/11 KV GH-1 Grid Sub-station	20	Approved	WIP, Expected by May-2015
9	33/11kV	Augmentation of Power Transformer from 16 MVA to 25 MVA at 33/11kV CBD-1 Grid Sub-station	9	Approved	Completed

10	33/11kV	Augmentation of Power Transformer No.2 from 15 to 25 MVA at 33/11kV Shankar Road Grid Sub-station	10	Approved	Completed
11	33/11kV	Augmentation of 16 MVA Power Transformer no-3 to 25 MVA at 33/11 KV Shankar Road Grid Sub-station	9	Approved	Work In Progress(WIP), Expected by March 2015
12	33/11kV	Augmentation of Power Transformer No.-2 from 16 MVA to 25 MVA at 33/11 KV Preet Vihar Grid Sub-station	9	Approved	Completed
13	33/11kV	Augmentation of Power transformer from 16 MVA to 25 MVA at 33/11 KV Kailash Nagar Grid Sub-station	9	Approved	Work In Progress(WIP), Mar-2015
14	66/11kV	Augmentation of Power Transformer No-1 from 20 MVA to 31.5 MVA at 66/11 KV Yamuna Vihar Grid Sub-station	12	Approved	Deferred for 15-16
15	66/33kV	Augmentation of 66/33kV, 30 MVA Power Transformer with 66/33kV, 50 MVA Power Transformer at Bhagirathi Grid Sub-station.	20	Approved	YTS, May-2015
<b>Total</b>			<b>305</b>		

**BYPL**

**Additional feeders**

S. No.	Voltage Level	Source Station	Scheme Description	DERC approval Status	Work Status
1	66kV	66kV Kondli Grid	Providing 66 KV infeed for 66/11KV O/D grid S/STN at Kondli Resettlement colony in Div Mayur Vihar III	Approved	Completed
2	33kV	220kV IP Station & RPH	Providing 33KV Infeed to DDU Marg Grid Sub-Station by laying of 2 nos 33KV 3CX400MM2 Cable.	Approved	Completed,
3	33kV	33kV Shakarpur Grid	Providing 33 kV feed from Shakarpur Grid to Guru Angad Nagar Grid by laying of 2 nos 33kV, 3CX400MM2 XLPE cables.	Approved	Work In Progress, March 15
4	66kV	Pragati Power	Laying of 66 KV 1CX1000MM2 XLPE cables from Mayur Vihar - I Grid to 66 KV Common Wealth Games Village Grid (Akshardham)	Approved	Completed
5	33kV	66kV Ghonda	Providing additional 33 KV feed to Karawal Nagar Grid substation from Ghonda Grid.	Approved	RCP under process, May 15

6	33kV	220kV Subji Mandi	Providing Additional 33 KV feed 220kV Subji Mandi Grid to 33/11kV B.G Road Grid Sub-Station.	Yet to be Submitted	Scheme not required, Already there are two sources.
7	33kV	220kV RPH Grid	Providing Additional 33 KV feed 220kV RPH/IP Grid to 33/11kV Delhi Gate Grid Sub-Station.	Yet to be Submitted	DTL to decide about providing additional source to BYPL
8	33kV	220kV RPH Grid	Providing Additional 33 KV feed 220kV RPH/IP Grid to 33/11kV G.B Pant Grid Sub-Station.	Yet to be Submitted	DTL to decide about providing additional source to BYPL
9	33kV	220kV Narayana Grid	Providing Additional 33 KV feed 220kV Narayana Grid to 33/11kV Prasad Grid Sub-Station.	Yet to be Submitted	DTL to decide about providing additional source to BYPL
10	33kV	220KV Geeta Colony Grid	Providing Additional 33 KV feed 220kV Patparganj Grid to 33/11kV Preet Vihar Grid Sub-Station.	Yet to be Submitted	Proposed in 15-16
11	33kV	220KV Geeta Colony Grid	Providing Additional 33 KV feed 220kV Patparganj Grid to 33/11kV CBD-1 Grid Sub-Station.	Yet to be Submitted	Proposed in 15-16
12	66kV	220kV Park Street Grid	Providing additional 66 KV feed doble circuit from 220kV Park Street Grid to 66/11kV Shastri Park Grid Sub-Station.	Yet to be Submitted	DTL to decide about providing additional source to BYPL

**BYPL**

**Augmentation of existing feeders**

S. No.	Category	Scheme Description	DERC Approval Status	Present Status
1	Replacement of Cable Schemes	Conversion of Jama masjid -Kashmiri gate O/H Line into Under ground circuit at Ring Road	Approved	Yet to Start(YTS)
2	Replacement of Cable Schemes	Shifting/Conversion of 33kV 'Kailash Nagar-Seelampur' O/H cum U/G feeder by laying 2 Nos. 33kV 3CX400sq.mm. XLPE cables.	Approved	RCP under process, May15
3	Replacement of Cable Schemes	Part Replacement of 33 KV Shastri park - Seelampur & Shastri Park - Dwarka puri Circuit with 2 Nos. 3CX400Sqmm cables	Approved	Yet to Start(YTS)
4	Replacement of Cable Schemes	Replacement of 33 KV PILCA Cable from Town Hall Grid to Lahori Gate Grid.	Approved	RCP under process, May15
5	Replacement of Cable Schemes	Conversion of O/H portion into U/G cable from 33 KV Narayana Grid to DMS Grid.	Under Approval	Scheme not approved
6	Replacement of Cable Schemes	Shifting of part of 66 KV Patparganj-Vivek vihar ckt no. 1 & 2 near Sreshtha vihar at the bank of Nallah near Railway Track Flyover on road no.56.	Approved	Scheme not required. Work Done under deposit head.

**Replacement of switchgears / additional bays**

S. No.	Category	Scheme Description	DERC Approval Status	Present Status
1	Switchgear Schemes	Replacement of 66kV MOCB & Circuit Breaker at Various Grid in BYPL	Approved	Deferred for 15-16
2	Switchgear Schemes	Replacement of 33kV Old Circuit Breaker with SF6 Circuit Breaker at Various Grid in BYPL	Approved	Deferred for 15-16t
3	Switchgear Schemes	Conversion of Outdoor Yard into Indoor Substation at Karawal Nagar Grid.	Approved	Yet to Start
4	Bays Schemes	Addition of 2 nos new Feeder Bays at Common Wealth Games Village Grid Sub-Station (Akshardham Grid).	Approved	Civil work in progress, June 15
5	Bays Schemes	Addition of 2 nos new Feeder Bays at 66/33kV Shastri Park Grid	Under Approval	Scheme yet to approved.

**BRPL**

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S. No.	Type of Scheme	Description	DERC approval Status	Present Status
1	New Grid With Infeed	DJB Najafgarh	Approved	One Power Tx energized, second Power Tx , 66kV Breaker and capacitor breaker Commissioning work pending.
2	New Grid With Infeed	G-4 Dwarka	Approved	Civil work completed, electrical work started. Expected by 31.05.2015.
3	Additional Power Transformer	Addition of 66/11 kV, 25 MVA PTR at Okhla Ph- 1	Approved	Completed
4	Additional Power Transformer	Addition of 66/11 kV , 16 MVA PTR at Shivalik	Approved	Done. Energized on 16/04/14
5	Additional Power Transformer	Addition of 66/11 kV, 25 MVA PTR at Sarita Vihar	Approved	Done. Energized on 26/06/14
6	Additional Power Transformer	Addition of 66/11 kV, 25 MVA PTR at Bijwasan	Approved	C&R Panel of 66kV breaker and bus coupler are not available. P&C is suggested to pursue matter with C&M to arrange the same. Target:31/3/15
7	Additional Power Transformer	Addition of 66/11 kV, 20 MVA PTR at at G-2 Pappankalan	Approved	Done. Energized on 02/07/14
8	Additional Power Transformer	Addition of 66/11 kV, 25 MVA PTR at VSNL	Approved	P&C will pursue matter with C&M to shift the PTR from Jasola grid to VSNL and place the order to BHEL for 33kV indoor panel. Target :31/3/15
9	Additional Power Transformer	Addition of 66/11 kV, 25 MVA PTR at Bodella – 1	Approved	Done. Energized on 02/07/14
10	Additional Power Transformer	Addition of 66/33 kV, 24/30 MVA PTR at Nangloi	Not Approved	Completed
11	Additional Power Transformer	Addition of 66/11 kV, 25 MVA PTR at G-6 Dwarka	Submitted	Approval pending from DERC
12	Augmentation of Power Transformer	Augmentation of 66/11 kV, 2 X 16 MVA PTRs to 2x25 MVA PTRs at	Approved	Done. Energized on 11/02/14



		Tughlakabad		
13	Augmentation of Power Transformer	Augmentation of 66/11 kV, 1 X 16 MVA PTR to 1x25 MVA PTR at Okhla Ph- II	Approved	Done. Energized on 30/04/14
14	Augmentation of Power Transformer	Augmentation of 66/11 kV, 1 X 16 MVA PTR to 1x25 MVA PTR at Lajpat Nagar	Approved	BHEL delayed the work for replacement of 33kV GIS panel due to the problem of spares. Expected to be available by 15.02.15. Work likely to be completed by 31.03.15
15	Augmentation of Power Transformer	Augmentation of 66/11 kV, 1 X 16 MVA PTR to 1x25 MVA PTR at Defence Colony	Approved	Completed
16	Augmentation of Power Transformer	Augmentation of 66/11 kV, 1 X 16 MVA PTR to 1x25 MVA PTR at Nizamuddin	Approved	Completed
17	New Feeder	33 kV line from JNU to Vasant Vihar	Approved	Completed
18	New Feeder	33 kV line from AIIMS Trauma Center to Bhikaji Cama Place	Approved	A shutdown will be proposed to energize the feeder by using 33kV C&R panel of RKP. Expected by 25.04.15
19	New Feeder	LILO of 33 kV <b>Paschimpuri- Vishal</b> circuit at 33 kV bus of 220 kV Peeragarhi	Approved	Ready to energize
20	New Feeder	LILO of 33 kV <b>Paschimpuri- Madipur</b> circuit at 33 kV bus of 220 kV Peeragarhi	Approved	Ready to energize
21	New Feeder	LILO of 33 kV <b>Udyog Nagar – A-4 Paschim Vihar</b> circuit at 33 kV bus of 220 kV Peeragarhi	Approved	Ready to energize

BYPL could not update the status. The same will be updated in next OCC meeting by BYPL. OCC advised DTL, BRPL, BYPL and TPDDL to expedite the work.

(Action by DTL, BRPL, BYPL, TPDDL)

## 7.0 Additional agenda points with the permission of the Chair.

### 7.1 Proposed shutdown at 220kV Sarita Vihar Substation

OCC approved the following shutdowns proposed by DTL at 220kV Sarita Vihar Substation:

S. No.	Proposed Date & time of S/D	Name of the feeder / equipment	Work to be carried out	Remarks	Approved Date & time of S/D
1	01.04.2015 and 02.04.2015 (08:00Hrs)	100MVA Transformer-I along	Arresting of oil leakages of Tx by M/s Sandeep	Load may be shifted to	01.04.2015 and 02.04.2015 (08:00Hrs)

	to 17:00Hrs )	with 66KV Incomer-I	Enterprises	100MVA Tx-II.	to 17:00Hrs )
2	03.04.2015 and 04.04.2015 (08:00Hrs to 17:00Hrs )	100MVA Transformer-II along with 66KV Incomer-II	Arresting of oil leakages of Tx by M/s Sandeep Enterprises	Load may be shifted to 100MVA Tx-I	03.04.2015 and 04.04.2015 (08:00Hrs to 17:00Hrs )

(Action by DTL)

## 7.2 Proposed shutdown on various 220kV Lines of DTL.

DTL proposed the following tentative schedule of continuous shutdowns on various 220kV Lines for Re-conductoring work by M/s PGCIL. The shutdowns on 66kV/33kV/11kV/LT Lines crossing individual sections of the following lines shall be taken on day to day basis:

S. No.	Proposed Date & time of S/D	Name of the feeder	Work to be carried out
1	10.04.15 to 30.04.15	220 kV Geeta Colony to Wazirabad Ckt-I	Re-conductoring work by M/s PGCIL
2	01.05.15 to 14.05.15	220 kV Geeta Colony to Wazirabad Ckt-II	
3	10.04.15 to 20.05.15	220 kV Sarita Vihar to Pragati to IP Ckt-I	
4	21.05.15 to 15.06.15	220 kV Sarita Vihar to Pragati to IP Ckt-II	
5	15.04.15 to 14.05.15	220kV Bamnauli – Naraina Ckt-I	

Since these proposed shut downs are very critical and outage of another circuit may endanger the stability therefore, OCC advised to have a special OCC meeting on dt. 06.04.15 at 11:00 A.M. to discuss above said shutdowns. Contingency plan also to be discussed in special OCC meeting.

(Action by DTL, DISCOMs, SLDC)

## 8.0 Meeting ended with vote of thanks to the chair.

Attendance sheet of OCC Meeting held on 24.03.15 at 03:00 P.M. in the Conference Room, 1<sup>st</sup> Floor, SLDC Building, Minto Road, New Delhi

S.No.	Name (Sh.)	Designation	Company	Mobile No.	e-mail Id.	Sign.
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12.	S. K. Jais	MCT	DTL	9999533838	skj@delhi.gov.in	
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15.	Ajith Kumar	AGM (ENM)	BTFS	9650993817	s.kumar@delhi.gov.in	
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22.	Tierik Raj Tuteja	DGM(T)	DTL	989953362		
23.	Sub Maj Daryal Singh	MES	MES	991028099		
24.	Md. Shadab Ahmad	PPPT AM	TPDDL	971797957	mdshadab.ahmad@tatapoint.com	
25.	Pavani Kumar	A.M/TV	DMKC	9910226560	pavani.p23@gmail.com	
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27.	Sarda Prasanna Rautray	Mgr (TL)	DTL	9999533737	sproutray@gmail.com	
28.	M.K. Mahonidi	MGR (LT)	DTL	9999533841	M.K. mahonidi@dtl.gov.in	
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