

DELHI TRANSCO LIMITED
(Regd. Office: Shakti Sadan, Kotla Road, New Delhi-110002)
Office of Dy. Gen. Mgr. (OS & Lines)
220KV S/Stn. Bldg. Naraina, New Delhi-110010
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AGENDA OF THE OCC MEETING DT. 24.03.2015

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.

Members may like to confirm the same.

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 the 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 to update the latest status.

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 33rd 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 and DISCOMs may deliberate the outcome of the meeting dt. 18.02.15.

2.3 Status of Hot Reserve of transformers at all levels.

DTL to update the status of following hot reserves:

| S. No | Capacity | Present population in nos. | Status of the hot reserve as on 13.02.15 | Remarks |
|-------|----------------------|----------------------------|--|---------------|
| 1. | 220/66kV, 160MVA Tx | 7 | 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. | DTL to update |
| 2. | 220/66kV, 100MVA Tx | 42 | DTL informed that PR has been raised for 220/66/33kV 100MVA Tx as hot reserve and Tx is expected by the end of December, 2015. | DTL to update |
| 3. | 220/33kV, 100MVA Tx, | 33 | | |

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

Members to update 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 13.02.2015 |
|--------|---|-------------|-------------------------|--|
| 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 | Panel replacement work to be started by BHEL. Expected by the end of March, 2015. |
| 3. | 66kV Vasant Kunj – Ridge Valley Ckt.-II ('Y' Ph. Cable) | BRPL | 13.01.14 | 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 | Panel replacement work started by BHEL. Expected by the end of February, 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. |
| 6. | 33kV VSNL – Nehru Place Ckt. (single cable) | BRPL | 02.07.14 | Cable faulty. Not traceable due to deep cable and due to corridor congestion. |
| 7. | 66kV MUNDKA(400kV)- NANGLOICKT. (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 | Breaker damaged. expected by March 2015. |
| 9. | 33kV VASANT KUNJ B BLOCK - LEVER INST CKT-II | BRPL | 11.01.15 | Cable faulty. Expected by 15.02.15 |
| 10. | 33kV NIZAMUDDIN - EXHIBITION GROUND -I | BRPL | 20.01.15 | Ckt. put OFF |
| 11. | 66kV PPK -I BODELLA -I CKT. | BRPL | 01.02.15 | 'B' phase cable faulty |
| 12. | 33kV RIDGE VALLEY - KHEBAR LINE CKT.-I | BRPL | 08.02.15 | 'Y' phase cable and breaker faulty (single cable) |
| 13. | 33kV OKHLA(220kV) - OKHLA PH.-II CKT.- | BRPL | 01.03.15 | 'Y' phase faulty |

| | II | | | |
|-----|--|-------|----------|--|
| 14. | 50MVA PR.TR.-I AT RIDGE VALLEY | BRPL | 01.03.15 | LA faulty |
| 15. | 50MVA PR.TR.-I AT NANGLOI | BRPL | 01.03.15 | LA faulty |
| 16. | 66KV HASTHAL - GGSH CKT-II | BRPL | 15.03.15 | Cable faulty |
| 17. | 33kV REWARI LINE - MAYAPURI-T-OFF METAL FORGING CKT. | BRPL | 16.03.15 | 'B' phase Cable faulty |
| 18. | 11kV I/C-III OF 20MVA PR.TR.-III AT DEFENCY CLY | BRPL | 16.03.15 | Under Breakdown |
| 19. | 33kV KILOKRI - R.K. PURAM-I CKT. | BRPL | 17.03.15 | Under Breakdown |
| 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 March, 2015. |
| 21. | 66kV GT - AKSHARDHAM CKT. | BYPL | 03.01.15 | Re-routing of the cable to be carried out because of cable theft issue. |
| 22. | 66kV PPG INDL. AREA - GH-II CKT.-I | BYPL | 13.03.15 | 'R' phase Cable faulty |
| 23. | 33kV BHAGIRATHI - DWARKAPURI CKT. | BYPL | 17.03.15 | Single Cable faulty |
| 24. | 33kV GONDA-SEELAMPUR-T-OFF DWARKAPURI CKT. | BYPL | 18.03.15 | 'B' & 'Y' phase Cable faulty |
| 25. | 33kV SHALIMARBAGH(220kV)-SMB KHOSLA O/H CKT.-I | TPDDL | 19.03.15 | Recent |
| 26. | 33kV SCHOOL LANE - VIDYUT BHAWAN CKT. | NDMC | 14.12.14 | Replacement work is under progress at 66kv school lane s/stn. expected by MARCH 2015 END |
| 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 tripped and fault has been identified. The repair work to be started and expected by the end of March, 2015. |
| 29. | 400kV BAMNAULI - JHATIKARA CKT.-I | DTL | 16.03.15 | Straight through joint burnt. Cable damaged. |

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. Station 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.

DTL to update the latest status.

2.7 Status of 220kV Peeragarhi substation

During OCC meeting dt.13.01.15, DTL informed that the testing of 220kV Switchgear was in progress and M/S TBEA had to lay the 220KV cables in section. DTL also informed that the work of 24 joints and 12 terminations as part of laying the cable is in progress.

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 to appraise the latest status of the said project.

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

DTL informed that there has been a leakage of SF6 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 is made by NDMC and due to improper workmanship the leakage from the panel took place, therefore, NDMC has to bear the cost. NDMC informed that the feeder was in service for a considerable time and the leakage may not be attributable to them.

During the OCC meeting dtd. 13.02.15, OCC advised DTL to get it repaired and take up with NDMC after repair work.

DTL to update the status of the repair work.

2.9 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 Commercial Agreement has been done.

During the OCC meeting dt, 13.01.2015, BRPL informed that cable laying work is yet to be completed due to some issue in cable route and is expected by the end of February, 2015.

BRPL to update.

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 may deliberate.

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 share status of bays at 220kV Kanjhawla Grid.

TPDDL and DTL may deliberate.

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 there was 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), we need to take load on that very Panel of 220kV Kanjhawla. It is also to inform you 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

TPDDL and TPDDL may deliberate.

5.0 Proposed Shutdowns

5.1 Proposed shutdown at 400kV Tikri Kalan Substation

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

| S. No. | Proposed Date & time of S/D | Name of the feeder / equipment | Work to be carried out | Remarks |
|--------|-----------------------------------|--------------------------------|--|--|
| 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 |
| 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) |

| | | | | |
|---|-----------------------------------|-----------------|--|---------------------|
| 3 | 07.04.15 (09:30Hrs. to 17:40Hrs.) | 66kV Bus I & II | | No Load will effect |
| 4 | 17.04.15 (09.30Hrs. to 17:00Hrs.) | 220kV Bus-I | | No Load will effect |
| 5 | 21.04.15 (09.30Hrs. to 17:00Hrs.) | 220kV Bus-II | | No Load will effect |
| 6 | 22.04.15 (09.30Hrs. to 17:00Hrs.) | 220kV Bus-III | | No Load will effect |
| 7 | 23.04.15 (09.30Hrs. to 17:00Hrs.) | 220kV Bus-IV | | No Load will effect |

Members may deliberate.

5.2 Proposed shutdown at 220kV Okhla Substation

DTL proposed the following shutdowns at 220kV Okhla Substation:

| S. No. | Proposed Date & time of S/D | Name of the feeder / equipment | Work to be carried out | Remarks |
|--------|---|---|---|---|
| 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. |
| 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. |
| 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. |
| 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. |

Members may deliberate.

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

In the 11th 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 | The commissioning was delayed due to contract issues in respect of ETC of 220kV and 66kV bays. The contract has been awarded to M/s Safety Control and Device on 19.06.2014. material delivered at site and is expected to be commissioned by the end of 18.03.2015 | 31.03.15 |
| 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 | --do-- | 31.05.13 | DTL | Substation at Wazipur has been commissioned and energized from Shalimar Bagh through | 31.05.15 |

| | | | | | | |
|----|--|---|----------------------|-------|--|----------|
| | Peera Garhi – Wazipur D/C cable | | | | 220kV Wazipur double circuit cables. The contract issues with the vendor namely M/s TBEA has been settled for commissioning of 220kV Peera Garhi –Wazipur 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 | LILo 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 | LILo 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-conductors | To provide reliable supply at | By end of March | PGCIL | Scheme is for reliability. Price bid opened on 07.01.15. Shut- | 31.05.15 |

| | | | | | | |
|----|---|--|--|-------|--|--|
| | ng of D/C 220kV Bamnauli – Naraina Ckts | Naraina and Ridge Valley etc | 2015 | | downs cannot be given upto October 2015. Hence, the works likely to be completed by March 2016 | |
| 12 | HTLS re-conductor ing 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-conductor ing 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 | Commissi oning 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 | Augmentat ion 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 | Augmentat ion 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 | Augmentat | To ease the | Before | PGCIL | Two ICTs are expected by June | Two Tx by |

| | | | | | | |
|----|--|--|--------------------|-----|---|------------------------------------|
| | ion of 4X315MVA ICTs to 4X500MVA ICTs at Ballabgarh (PGCIL S/Stn) | loading of existing transformers and to enhance reliability of supply. | summer 2015 | | 2015 and other two by end of 2015. To be executed by PGCIL. | 30.06.15 and 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 1000MVA 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

| S N | Particulars / Name of the Project / Element | MVA Addition | Scheme Status | Present Status |
|------------|---|---------------------|------------------------------------|--|
| 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 st 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 st 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 15 th 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 |
| Total | | | 305 | | |

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 | Approved | RCP under |

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|----|------|-------------------------|---|---------------------|---|
| | | | from Ghonda Grid. | | 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 |

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|---|------------------------------|--|----------|--|
| 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

2014-15

| 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 | PTR energized. EIC & QC pending. |
| 4 | Additional Power Transformer | Addition of 66/11 kV , 16 MVA PTR at Shivalik | Approved | Completed |
| 5 | Additional Power Transformer | Addition of 66/11 kV, 25 MVA PTR at Sarita Vihar | Approved | Completed |
| 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 | Completed |
| 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 | Completed |
| 10 | Additional Power Transformer | Addition of 66/33 kV, 24/30 MVA PTR at Nangloi | Not Approved | Completed |

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|----|-----------------------------------|--|-----------|---|
| 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 Tughlakabad | Approved | Completed |
| 13 | Augmentation of Power Transformer | Augmentation of 66/11 kV, 1 X 16 MVA PTR to 1x25 MVA PTR at Okhla Ph- II | Approved | Completed |
| 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 28.02.15 |
| 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 | Target:31/1/15 |
| 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. |
| 19 | New Feeder | LILO of 33 kV Paschimpuri- Vishal circuit at 33 kV bus of 220 kV Peeragarhi | Approved | Ready to energize |
| 20 | New Feeder | LILO of 33 kV Paschimpuri- Madipur circuit at 33 kV bus of 220 kV Peeragarhi | Approved | Ready to energize |
| 21 | New Feeder | LILO of 33 kV Udyog Nagar – A-4 Paschim Vihar circuit at 33 kV bus of 220 kV Peeragarhi | Approved | Ready to energize |

7.0 Any additional agenda points with the permission of the Chair.

8.0 Date and time of next OCC meeting.