

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

AGNEDA OF OCC MEETING DT. 29.12.2015

Date : 29.12.2015 (Tuesday)
Time : 10:30 AM
Venue : Office of ED(Tech) O&M-I, Park Street.

1.0 Confirmation of minutes of OCC meetings dt. 09.12.15

Last OCC meeting was held on 09.12.15 in accordance with the agenda circulated vide letter dt.04.12.15. Minutes of the aforesaid OCC meeting were issued vide letter dt. 15.12.15.

Members may like to confirm the same.

2.1 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 09.12.15
1.	220/66kV, 160MVA Tx	18	DTL informed the work of ETC of 160MVA Tx at PPK-II (hot reserve) has already been awarded to M/s Kanohar. Tx. has been erected and expected to be energized by the end of December, 2015.
2.	220/66kV, 100MVA Tx	41	DTL informed that tender for supply and ETC of 220/66/33kV 100MVA Tx as hot reserve at 220kV Patparganj Substation has been floated.
3.	220/33kV, 100MVA Tx,	36	

2.3 Long/Recent outage of Elements in Delhi power system.

Members to update the status of following Long/Recent outage of Elements in Delhi Power system:

S. No.	Element's Name	DISCOM/ DTL	Date and Time of outage	Remarks/ Status as on 23.12.2015
1	33kV BAY -3 (IP – Kilokri)	BRPL	22.02.11	Clearance from Railways for laying of Underground cables near Bhairon Road is pending. OCC advised BRPL to follow up with DTL and carry out the said work during HTLS re-conductoring work on Pragati-S.Vihar ckt along railway crossing.
2	66kV Vasant Kunj – Ridge Valley Ckt.-II	BRPL	13.01.14	BRPL informed that contract is to be awarded for laying new cable and

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				work is not at priority level.
3	33kV RIDGE VALLEY - KHEBAR LINE CKT.-I	BRPL	08.02.15	Breaker faulty. To be revamped by including in GIS. Expected by 31 st March, 2016.
4.	33kV JNU-ADCHINI-T-OFF IIT CKT.	BRPL	11.09.15	T-OFF - ADCHINI PORTION) BOTH CABLES. Breakdown could not be attended as no permission could be obtained from Delhi Police
5.	20MVA PR.TR.-III AT C-DOT	BRPL	12.11.15	Under Shutdown. Expected by 30.12.15
6.	66/11kV 20MVA PR.TR.-II AT OKHLA PH.-I	BRPL	18.11.15	Under Shutdown. Expected by 30.12.15
7.	66kV PARK STREET-RIDGE VALLEY CKT.-II	BRPL	20.11.15	Under Shutdown. Bay has been allocated to DMRC and work is being carried out by DMRC for new bay.
8.	66/11kV 20MVA PR.TR.-II AT BINDAPUR	BRPL	16.11.15	Transformer got damaged due to flash over. The same is being checked whether repairing is feasible or not. Expected by 28.02.16.
9.	BAY - 612 (400kV MUNDKA-66kV MUNDKA)	BRPL	19.11.15	Manually switched off. Bays have been tested and could not be energized due to non-availability of staff. Further, no load of 11kV is available. DTL requested BRPL to carry out the civil repair works at Mundka substation that has been got damaged during their erection work.
10.	BAY -611 (400kV MUNDKA-66kV MUNDKA)	BRPL	23.11.15	
11.	66kV NANGLOI-MANGOLPURI-T-OFF MUNDKA CKT.-I	BRPL	16.11.15	Fault is in T-Off part. TPDDL informed that the line shall be expected by 31.12.15
12.	66kV PPK-II(220kV)-G-5 MATIALA CKT.-II	BRPL	01.12.15	'B'PH. CABLE FAULTY. Expected by 26.12.15
13.	20MVA PR.TR.-II AT PPK-II	BRPL	14.12.15	B'PH. SINGLE CABLE FAULTY
14.	33kV PASCHIM VIHAR - CHAUKHANDI CKT.	BRPL	20.12.15	Ý'PH. SINGLE CABLE FAULTY
15.	66kV PPK -II - HASTAL CKT.-II	BRPL	22.12.15	R' PH. SINGLE CABLE FAULTY
16.	66kV NANGLOI - NANGLOI WATER WORKS CKT.	BRPL	22.12.15	UNDER BREAK DOWN

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17.	20MVA PR.TR.-I AT CHAUKHANDI WITH PASCHIM VIHAR CKT.-III	BRPL	22.12.15	UNDER SHUT DOWN
18.	33kV PATPARGANJ - GEETA COLONY CKT.	BYPL	03.12.15	Y'PH. SINGLE CABLE FAULTY. Expected by 12.12.15
19.	33kV KANTI NAGAR-KARKARDOOMA CKT.-I	BYPL	14.12.15	CABLE FAULTY
20.	66kV HARSH VIHAR-NAND NAGRI CKT.-I	BYPL	17.12.15	B' PH. CABLE FAULTY
21.	66kV WAZIRABAD - GONDA CKT.-II	BYPL	18.12.15	R' PH. CABLE FAULTY
22.	66kV HARSH VIHAR-NAND NAGRI CKT.-II	BYPL	19.12.15	ALL PHASE CABLE FAULTY
23.	66kV HARSH VIHAR - GONDA CKT.-I	BYPL	19.12.15	ALL PHASE CABLE FAULTY
24.	66kV HARSH VIHAR - GONDA CKT.-II	BYPL	19.12.15	ALL PHASE CABLE FAULTY
25.	33kV B.G. ROAD - FAIZ ROAD CKT.	BYPL	22.12.15	CABLE FAULTY
26.	33kV PANDAV NAGAR - DMS CKT.	TPDDL	02.12.15	UNDER BREAK DOWN. Problem in RMU. Expected by 31.12.15
27.	33kV SHALIMARBAGH-WAZIRPUR-II CKT.-II	TPDDL	02.12.15	UNDER BREAK DOWN. Expected by 15.12.15
28.	33kV SARASWATI GARDEN-DLF KIRTI NGR CKT.-I	TPDDL	09.12.15	SINGLE CABLE FAULTY
29.	66kV MANGOLPURI -I T-OFF NANGLOI CKT.-I	TPDDL	09.12.15	Y'PH. FAULTY
30.	220kV MAHARANI BAGH - ELECTRIC LANE CKT.-II	DTL	17.04.15	Cable again found faulty during testing before energization. Expected by 31 st January, 2016.
31.	220kV MEHRAULI - DIAL CKT.-I	DTL	05.11.15	Joint Box No.8 of Y-phase of Cable got damaged. Expected by 10.01.2016

2.5 Back feed & RMU provision for 11 kV feeders by TPDDL at 220 kV Substation Kanjhawala

During OCC meeting dt. 07.07.15, DTL requested TPDDL to make feedback arrangement in line with DERC guidelines at 220kV Kanjhawla S/Stn. to avoid any unwanted situation and safeguard DTL system for any fault at TPDDL end

DTL informed that a joint inspection with TPDDL has been carried out on dt. 28.07.15.

During the OCC meeting dt. 09.12.15, TPDDL informed that the shortcomings noted during inspection dt.28.07.15 i.e. inspection of RMUs of 11kV U/G Kanjhawla and SOS Bawana has been completed and the problems have been attended. TPDDL updated the status of other works also. TPDDL further informed that the inspection of first switching substations along with DTL has not yet been carried out and same shall be completed during December, 2015.

TPDDL and DTL to update the status of inspection of first switching substations.

2.6 11 KV tripping at 220 KV S/Stn. Najafgarh

The issue of regular tripping of all the 12 nos. 11 KV feeders emanating from 220 KV S/Stn Najafgarh has been placed in the earlier OCC meetings successively but no action has been taken by BRPL till date. Although, the matter has also been rigorously pursued with BRPL officials through e-mails for a joint inspection with respective protection departments but the same has not been carried out till date.

The above results in frequent tripping of 11 KV feeders whereby reducing the life the switchgear along with putting constraints on the 3 nos .20 MVA Power Transformers installed at NJF substation. During the meeting dt. 01.09.15, OCC advised DTL and BRPL to have joint inspection of first switching substations.

During OCC meeting dt. 09.12.15, DTL informed that inspection has already been carried out along with protection division of BRPL on dt. 23.11.15 & 24.11.15. Minutes of the same have been shared with BRPL. OCC advised BRPL to take necessary action on shortcomings noticed during the inspection.

BRPL to update the status of action taken.

2.7 Phasing out of 66/33kV, 30MVA Tx at Narela

During meeting dt. 09.12.15, OCC advised TPDDL and DTL to have joint inspection to check healthiness of the said transformer and whether it is feasible to take load of 1 no. 33kV feeder of TPDDL. The inspection report shall be provided during next OCC meeting so that final decision could be taken.

As per direction of OCC, a joint site inspection along with M/s TPDDL has been carried out at Narela 220KV S/Stn. for assessing the condition of 30MVA BHEL make 34 years old power transformer on dated 11/12/2015. During discussion, M/s TPDDL representatives informed that availability of supply of 30MVA Trf. at Narela is required at 33KV Khampur S/Stn. for meeting

the N-1 contingency, in case of failure of another source i.e. 33KV O/H feeder from RG-5 S/Stn. But DTL is of the view that 30MVA power T/F at Narela needs to be phased out because of development of acetylene (C₂H₂) gas inside the transformer which is beyond limit and as per the recommendations of OEM (i.e. M/s BHEL)

Reference to the joint site inspection dated 09.12.15 with M/s TPDDL, 33KV Khampur feeder from Narela S/Stn. has got charged on NO LOAD to avoid its outage, as M/s TPDDL assured that no load will be taken on this feeder till any exigency B/D on another 33KV source at Khampur S/Stn. from RG-5 S/Stn.

Accordingly, DTL requested OCC to take final decision whether the 30MVA outlived power transformer should be kept in charged condition or not.

Members may deliberate.

2.8 Issue of over-voltage at various substations of DTL

BYPL informed that the issue of Over voltage/High voltage at various 220kV Substations of DTL has been deliberated in last OCC meeting and recently held GCC meeting. In this regard, during meeting dt.09.12.15, OCC advised DTL O&M department to change the tap positions of transformers at 220kV Level from tap no. 5 to tap no. 3 wherever the over voltage issue pertains and further DISCOMs shall monitor and regulate the Voltage at their end so that appropriate voltage levels to be maintained at consumer end. DTL O&M department to submit the compliance report for the same within one week and DISCOMs shall provide status report during next OCC meeting.

DTL and DISCOMs to update the compliance report.

2.9 Under Frequency relay testing.

In reference to the NRPC guideline, UFR mock testing by checking the actual CB tripping with frequency simulation through relay testing kit is required. Accordingly, DTL proposed the UFR mock testing as under:

S. No.	Date of S/D	Substations
01	01.01.16	Park Street & Electric Lane
02	02.01.16	I.P, Pragati & Sarita Vihar
03	04.01.16	Patparganj, Geeta Colony & Gazipur
04	05.01.16	SOW, Kashmere Gate & Subzi Mandi
05	06.01.16	Gopalpur & Shalimar Bagh
06	08.01.16	Vasant Kunj, Mehrauli & AIIMS
07	09.01.16	Najafgarh, PPK-1 & PPK-2
08	11.01.16	DSIDC Bawana, Rohini-II & Narela
09	12.01.16	Wazirpur & Rohini-I
10	13.01.16	Kanjhawala & Mundka

11	14.01.16	DIAL, Ridge Valley & Naraina
12	15.01.16	RPH & GT
13	16.01.16	Okhla, Masjid Moth & Lodhi Road

The mock testing will be carried out in phased manner in each substation as per above schedule. The total interruption while doing mock testing is about 5minutes. However, Maintenance team at the above substations should also be available while testing to take care of any issues related to CB operation so that the restoration time can be reduced.

Members may deliberate.

3.0 TPDDL Agenda points

3.1 Excess sagging of BBMB EHV Circuit:

TPDDL informed that excess sagging is found between two towers of 220kV Narela – Rohtak Road Circuit (owed by BBMB) near Pitampura Residential Area where there is also Parking lot of TPDDL Technology Centre. It is at very high risk to have excess sag in 220kV circuit in residential area. Accordingly, TPDDL requested BBMB to have site visit and take corrective measure.

Issue has been deliberated during OCC meeting dt. 06.11.15 and OCC advised BBMB to have inspection of the said circuit in the presence of TPDDL representative and take necessary action.

BBMB could not attend the OCC meeting dt. 09.12.15 for deliberation.

BBMB to update.

4.1 Proposed Shutdowns

DTL proposed the planned shutdowns that are to be carried out during the month January 2016 as per the enclosed Annexure.

Members may deliberate.

4.2 Proposed shutdown by DTL Projects department.

DTL projects department proposed the following shutdowns as part of ETC of 220kV Bawana-Rohini-II Ckt.-I&II.

Proposed date of S/D	Name of the element	Work to be carried out
04.01.2016 to 09.01.2016	220kV Bawana-Rohini-I Ckt-I&II along with Rohini-II T-Off	During the 06 days continuous Shut-down of 220kV Ckt-I & II of Bawana- Rohini – I including ‘T-off’ to Rohini – II, the work of Erection of tower No. – 21 (B + 6) and tension point/cut point at location 21 (B+6) will be executed. After erection & tension point/cut point at location 21 (B+6), the Rohini – I line will pass through new Location tower No. – 21 (B+6), 22 (B+6), 23 (C + 6) & 24 (C + 6).
14.01.2016 to 21.01.2016	220kV Bawana-Shalimar Bagh Ckt-I&II	Work of Erection of tower No. – 27 (C + 6) and tension point/cut point at location 27 (C + 6) will be executed. After erection & tension point/cut point at location 27 (C + 6), the Shalimar Bagh line will pass through new Location tower No. – 25 (B + 6), 26 (C + 6) & 27 (C + 6)

Members may deliberate.

5 Any additional agenda with the permission of the Chair.

6 Date and time of next OCC meeting.