

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

**AGENDA FOR OCC MEETING DT. 30.01.2017**

**Date** : **30.01.2017 (Monday)**  
**Time** : **3:00 PM**  
**Venue** : **SLDC Building**  
**Minto Road, Opp. MCD Civic Centre,**  
**New Delhi-110002**

**1.0 Confirmation of minutes of OCC meeting dated 29.12.16.**

An OCC meeting was held on 29.12.16 in accordance with the agenda circulated vide letter dt. 26.12.16. Minutes of the aforesaid OCC meeting were issued vide letter dt. 12.01.17.

**Members may like to confirm the same.**

**2.0 DTL Agenda points**

**2.1 Status of Hot Reserve of transformers at all levels.**

The updated status of hot reserve of transformers at all levels as on present date are as under:-

S. No.	Transformation Capacity	Present population in nos.	Status as on present date
1.	400/220kV Tx 500MVA ICT	2	At present, one no. 315MVA ICT removed from 400kV S/Stn Bamnauli after augmentation of the same to 500MVA ICT has been placed at 400kV S/Stn Tikri kalan as hot reserve. The another 315MVA transformer removed from Bamnauli after its augmentation has been used in place of damaged transformer (EMCO make) at Bawana.
	400/220kV Tx 315MVA ICT	14	On dt.-11.12.2016 at 8.47hrs, the 400/220kV, 315MVA ICT No.1(BHEL make) at 400kV S/Stn Bawana caught fire and has been damaged. The 315MVA ICT available at 400kV S/Stn Tikri kalan as hot reserve would be transported to Bawana. <b>O&amp;M deptt., DTL may deliberate.</b>
2.	220/66kV Tx 160MVA	22	DTL informed that the newly erected 160 MVA transformer at Kanjhawala (previously considered as hot reserve) is being transferred to PPK-I and the 100MVA Tx at PPK-I is being routed to Park street for replacement of the failed 100 MVA transformer.

			OCC had advised DTL to start the process for purchase of a new 160MVA Power transformer as hot reserve. <b>O&amp;M deptt., DTL may kindly update the status.</b>
3.	220/66kV Tx 100MVA	42	DTL informed that one no. new 220/33kV, 100MVA Tx, IMP make which was earlier planned to be commissioned at 220kV Patparganj Substation as hot reserve is now being diverted to 220kV Sub-stn Geeta colony in view of the failure of 220/33kV, 100MVA Tx, BHEL make at 220kV Sub-stn Geeta colony.
4.	220/33kV Tx 100MVA	37	OCC had advised DTL planning deptt. to propose in steering committee meeting for having 2 nos. 220/66-33 KV (Dual ratio Tr.), 100MVA Tx as spare in DTL system. <b>Planning deptt., DTL may kindly update the status.</b>
5.	66/11kV 20MVA Tx.	24	DTL Planning department informed that the scheme for 25MVA power transformers has been prepared and the same are for replacement and not for reserve. OCC had advised DTL to get the approval of DERC for cold reserve transformers each at 66kV and 33kV level for further action. <b>Planning deptt., DTL may kindly update the status.</b>
6.	33/11kV 16MVA Tx.	16	

**2.2 Shutdown for six months starting w.e.f. 07.12.2016 in r/o 220kV Maharani Bagh – Ghazipur (D/C) Line at 220kV Sub-Station Gazipur end for PWD work.**

PWD had requested for Shutdown for nearly six months in r/o 220kV Maharani Bagh – Ghazipur (D/C) Line at 220kV Sub-Station Gazipur end for construction of elevated Road over Barapullah Nallah, starting from Sarai kale khan to Mayur Vihar, New Delhi.

OCC during its meeting dt.-28.11.2016 had approved the shutdown of 220kV Maharani Bagh – Ghazipur (D/C) Line at 220kV Sub-Station Gazipur end for one month starting w.e.f. 07.12.2016 subject to real time loading conditions of the grid and also subject to condition that PWD will restore both the lines within two hours of DTL intimation.

It was deliberated during OCC meeting dt.-29.12.2016 that PWD should gear up the work so as to complete the target before 1<sup>st</sup> April 2017 as during summer, the S/D of both lines are impossible. PWD will also submit the action plan and bar chart to O&M deptt. The extension of shutdown has been approved for further one month subject to real time loading conditions of the grid and subject to condition that PWD will restore both the circuits within two hours of DTL intimation if any abnormal situation arises.

**Regarding the further extension of shutdown, DTL(O&M), SLDC & PWD may deliberate.**

### 2.3 Shut-down proposal of 220kV Geeta colony-Patparganj D/C line

DTL O&M deptt. have informed that recently purchase order have been placed for repair/ restoration of Tower No.355B in 200KV Geeta Colony-Patparganj double circuit line. Agreement with vendor has been executed and work schedule is proposed by the vendor from 18th Feb 2017 onwards for 10 to 12 days.

Accordingly the following shutdown is proposed to get the work completed. During the shutdown both circuits of 220KV Geeta Colony -Patparganj line shall remain off and isolated/earth from both end. During the shutdown of line 220KV S/Stn Patparganj will be feed from 220KV Preet Vihar circuit -I &II.

S.no.	FROM DATE/ TIME	TO DATE/ TIME	DURATION	ELEMENT	WORK TO BE DONE	REMARK
1	18.2.17 9.30AM	28.02.17 06.00PM	11 DAYS	220KV PPG- GEETA COLONY CKT I- &II	REPAIRING OF BENDED TOWER No. 355B	220KV PPG- G.COLONY LINE SHALL REMAIN OFF & ISOLATED FOR 11 DAYS

**OCC may deliberate.**

### 2.4 Shut down of both the circuits of Mayapuri (33KV Mayapuri – 1 & 2) emanating from 220/33KV S/Stn. Naraina.

DTL O&M deptt. have informed that 02 Nos. 33KV O/G feeders namely 33KV Mayapuri 1 & 2 are emanating from 220/33KV Grid S/Stn. Naraina for Mayapuri area under BRPL jurisdiction. 33KV Bus-I & Bus –II Isolators of Mayapuri I & II respectively are not functional and needs repair/replacement of parts to maintain both isolators in healthy condition. Therefore, shut down on these feeders for two-three hours is required simultaneously for repairing of Bus-I Isolator of 33KV feeder Mayapuri-I and Bus-II Isolator of 33KV feeder Mayapuri-II. After repairing of one Isolator load shall be managed through other feeder. As per record, Max. total load on Mayapuri – I & II during daytime is 500 Amp.

Shut down was also approved by OCC in previous meeting. However, System Operation Minto Road refused the shut down as per request of BSES Control Room.

**DTL (O&M) & BSES may deliberate.**

### **2.5 Shut down of 160 MVA Tr. at 220kV S/Stn Kanjhawala for its dismantling and shifting to 220kV S/Stn Pappankalan-I.**

DTL O&M deptt. have proposed the Shut down of 160 MVA Tr. at 220kV S/Stn Kanjhawala (presently considered as hot reserve) for its dismantling and shifting to 220kV S/Stn Pappankalan-I as per the following schedule:-

S.No.	Name of Transformer	Name of Sub-Stn	Date & Time of Shut down	Work to be carried out
1.	160 MVA, 220/66kV Tr.	220kV S/Stn Kanjhawala	31.01.2017 9:30 hrs.	Dismantling of transformer

**OCC may deliberate.**

### **2.6 Storage of scrap material by BRPL Najafgarh at the common road at 220kV DTL Substation Najafgarh**

It was informed by Mgr(O&M), DTL (N-3&5) that BRPL Najafgarh is using the common road from Main Security Gate (at Main Road) to Security Gate at DTL 220kV Najafgarh Substation Security Gate which is creating the hindrance to men and material of DTL and common public at large too. The problem enhances and get gruesome when general public park their vehicles while visiting the BRPL Office encroaching the corridor. It can also not be ruled out that in case of major chaos, if any fire breaks out at DTL installation at Najafgarh or similar exigency, fire tenders/emergency vehicles may not be able to enter the premise due to space crunch created by storage of damaged & old scraps in the form of LT transformers, electrical poles and also due to parking of vehicles by general public. It was further informed that the matter was also followed up with the then BRPL officers but no action in this regard have been taken so far. An urgent and favourable action is required for vacating the common road by removing the old scraps in the form of LT transformers and Electrical Poles.

During the OCC meeting dt.-28.11.2016, OCC advised BRPL that matter be looked into and resolve the issue raised by DTL in the interest of Grid O&M activities and safety of public.

During the OCC meeting dt.-29.12.2016, it was informed by DTL that nothing remarkable has been done by BRPL. OCC advised that the matter be looked into by BRPL on priority basis in the interest of Grid O&M activities and safety of public. BRPL assured for the same.

**DTL(O&M) and BRPL may update the status.**

### **3.0 66KV Feeder disruption at 220/66KV DTL Substation, Ghazipur during overvoltage situation (EDWPCL Agenda)**

EDWPCL vide their e-mail dt.-24.01.2017 have informed the following:-

East Delhi Waste Processing Co. Ltd. (12MW Waste to Energy Power Plant) is drawing power from 220/66KV DTL Substation at Ghazipur. They are using this power to process Municipal

Solid Waste (MSW) and also for start up of the power plant. Once the generator gets synchronised, power export is started. They have only one 66KV feeder for export and import of the power from 220/66KV DTL substation, Ghazipur.

In case of any outage of 220KV feeder or change over at DTL substation, they face a blackout situation at their plant. It hampers their Generation process and it takes around 2 to 3 hours to stabilize the plant again. During this period, they have to draw power from the substation to meet out the captive consumption and simultaneously they suffer a direct loss due to interruption in power generation during the period. They are regularly informing SLDC about this issue causing disruption in their operation during changeover process or 220KV feeder outage situations. Reference communications have been attached in **Annexure I**.

They have tremendous pressure at this time to run the plant as mentioned below:

- As per NGT directive, a Committee has been mandated to carry out a physical inspection of the plant
- DPCC/CPCB are supposed to carry-out the inspection of plant & conduct the test for emission parameters
- EDMC's mandate on the processing of MSW. It is also getting hampered.

As per SLDC advice a proper communication between our Ghazipur Plant and the SLDC Control Room needs to be established in order to avoid such discrepancy.

At present their plant is running and synchronised with the grid. They have informed that it is very difficult for them to export the power if 66KV feeder gets erratically disconnected due to over voltage and changeover in 220/66KV substation, at Ghazipur. Reliable power source at 66KV end is must to avoid the occurrence of such type of problems at their Power Plant.

They have requested to take necessary action for rectification of this issue.

**OCC may deliberate.**

#### **4.0 Joint Checking of Overhead Power Line crossings with railway representatives. (Northern Railways Agenda)**

Northern Railways vide their letter dt.-17.11.2016 had inform that joint checking of several overhead crossings are still pending between The detail of crossings are as under:-

##### **Details of Overhead Crossing pending for Joint Checking**

<b>S.No.</b>	<b>Section</b>	<b>Railway Location</b>	<b>Overhead Crossing between</b>	<b>System Voltage</b>	<b>Concerned Supply Authority</b>
1	-do-	1532/15-17	I.P. - Sarita Vihar	220 KV	DTL
2	-do-	-do-	I.P. - Sarita Vihar	220 KV	DTL

3	-do-	5/21G- 5/23G	Patparganj- Vivek Vihar	66 KV	BSES
4	-do-	7/33G-8/1G	Patparganj- Vivek Vihar	66 KV	BSES
5	Shahdra-Sahibabad	9/3-9/5	Vivek Vihar-Dilshad Garden	66 KV	BSES
6	Azadpur-Adarsh Nagar	8/7-8/9	Azadpur- Tri Nagar	33 KV	TPDDL
7	Adarsh Nagar-Badli	11/15-11/17	Jahangir Puri-Pritampura	66 KV	TPDDL

Also joint checking of one no. 33 KV overhead crossing between Hazrat Nizamuddin- Okhla of DTL is pending. Railways have requested that necessary directives be issued for early joint checking.

Further, Northern Railways vide letter dt.-28.10.2016 have provided the list of following Railways representatives/officers for joint inspection of overhead power line crossing:-

S.No.	Section details	Concerned Railway representatives & Contact Nos.	Concerned Railway Officers & Contact Nos.
1.	Badli-New Delhi Tilak Bridge-Sahibabad Delhi-Sahibabad	Sh. Gyan Prakash, Sr. Sec. Engineer/OHE/N.Delhi Mob.No.-9717632846	Sh.C.K. Keshav ADEE/TRD/New Delhi Mob.No.-9717631312
2.	Hazrat Nizamuddin- Okhla	Sh.Pradeep Chaudhari Sr. Sec. Engineer/OHE/Tughlakabad Mob.No.-9717632847	Sh.Shyam Lal ADEE/TRD/Faridabad Mob.No.-9717632607
3.	Badli-Narela	Sh.Sanjay Uppadhyay Sr. Sec. Engineer/OHE/Narela Mob.No.-9717648532	Sh.C.K. Keshav ADEE/TRD/New Delhi Mob.No.-9717631312
4.	Shakurbasti-Bahadurgarh	Sh.Pramod Kumar Sr. Sec. Engineer/OHE/Bahadurgarh Mob.No.-08295944285	Sh.N.S. Parihar ADEE/TRD/Patel Nagar Mob.No.-9717631320
5.	Hazrat Nizamuddin-Patel Nagar-Shakurbasti	Sh.Munna Lal Sr. Sec. Engineer/OHE/Patel Nagar Mob.No.-9717632845	

It was deliberated in the last OCC meeting that the joint site inspection of 220kV IP-Sarita vihar line pertaining to DTL be carried on dt.-05.01.2017. The joint site inspection of 66kV Patparganj-Vivek Vihar line and 66kV Vivek Vihar-Dilshad Garden line pertaining to BSES be carried on dt.-13.01.2017. The joint site inspection of 33kV Azadpur-Tri Nagar line and 33kV Jahangir puri-Pitampura line has already been carried out.

**DTL/Discoms/Northern Railways may deliberate.**

## **5.0 Regarding ownership of equipments installed at 220kV S/Stn BBMB Delhi (BBMB agenda point)**

BBMB vide their letter dt.-19.10.2016 (Refer Annex.-4) has informed that BBMB Punjabi Bagh have not any documentary proof regarding 'Ownership' of equipments installed by DTL erstwhile DESU at 220kV Sub-Stn BBMB, Delhi, which is essentially required to maintain the equipments in the wake of uninterrupted power supply from BBMB Delhi Sub-Stn. Hence, **BBMB has desired to provide the list of Ownership of equipments installed at 220kV Sub-Stn Punjabi Bagh BBMB Delhi along with the supporting documents.**

Presently, it is brought to your kind notice that one no. 66/33kV 30MVA T/F was commissioned in 1982. The name plate data of the transformer reflects that it is the DESU property. This transformer has achieved its useful life of 34 years. Due to ageing effect of T/F, the Frantic Compounds content is 2750, which is on higher side as compared to permissible limit. It indicates the severe deterioration of solid insulation in the T/F. The Tan Delta value of HV Red bushing, checked by Protection team BBMB Panipat is 2.144% which is also on higher side. The Tan Delta value of winding of T/F is also on higher side and **our Protection Division has recommended to replace the Transformer with new Transformer.**

In view of above facts, BBMB has requested to take appropriate action to replace the said Power T/F at the earliest to avoid any interruption in the Power supply in case of any outage due to breakdown of this T/F.

During the OCC meeting dt.-28.11.2016, TPDDL informed that they are searching their records available with them and shall revert back by 15.12.2016.

During the last OCC meeting dt.-29.12.2016, It was deliberated that TPDDL should confirm the actual position latest by 15.01.2017.

**BBMB/TPDDL may update the status.**

## **6.0 Proposed Planned Shutdowns**

### **6.1 Proposed shutdowns of O&M, DTL**

DTL, O&M deptt. has proposed the planned shutdowns for the month of Feb, 2017 as per enclosed Annexure.

**OCC may deliberate.**

### **6.2 PPCL agenda for Maintenance schedule of PPS-III Bawana (1500 MW CCGT).**

PPCL have informed that at PPS-III Bawana (1500 MW CCGT), STG#1 has completed 21434 operating hrs. as on 31.12.2016. Minor inspection of STG#1 generator and minor overhauling of STG#1 steam turbine has become due as per OEM recommendations. In view of that it is proposed to take STG#1 under shutdown for 30 days w.e.f. 01/04/2017 to 30/04/2017.

Proposed Shutdown schedule is tabulated as under:-

S. No.	Turbine	Capacity	From	To	Proposed Work	Reason
1	Steam Turbine #1	253.6MW	01/4/17	30/04/17	Minor Inspection of STG#1 Generator	It has become due after clocking more than 20,000 hours of operation.
					Minor overhauling of Steam Turbine of STG # 1	It has become due after completion of more than 17,000 hours of operation.

During proposed shutdown GT#1 and GT#2 shall remain available for operation in Open Cycle.

**OCC may deliberate.**

### 7.0 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 20.01.2017
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 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.	33kV RIDGE VALLEY - KHEBAR LINE CKT.-I	BRPL	08.02.15	Breaker faulty. To be revamped by including in GIS. GIS is commissioned.
3.	33kV RIDGE VALLEY - KHEBAR LINE CKT.-II	BRPL	31.01.16	R-Ph single cable faulty
4.	66kV RIDGE VALLEY-V.KUNJ CKT.-II AT RIDGE VALLEY	BRPL	13.02.16	UNDER SHUT DOWN



5.	20MVA PR.TR.-III AT VSNL	BRPL	20.07.16	UNDER BREAK DOWN.
6.	33kV IIT-JNU Ckt.	BRPL	04.01.17	CT Box faulty
7.	33kV I/C-II at Malviya Nagar	BRPL	24.12.16	Single cable faulty
8.	50MVA Pr. Tr.-II at JNU	BRPL	26.12.16	UNDER SHUT DOWN
9.	66kV Bus coupler at G-15 Dwarka	BRPL	22.11.16	CT Blast
10.	33kV ROHTAK ROAD - MADIPUR CKT.	BRPL	28.05.16	CABLE FAULTY.
11.	66kV Mundka(400kV)-Nangloi ckt.	BRPL	11.05.16	Ckt. Put off. Now cable OK.
12.	66kV SAGARPUR - REWARI LINE CKT.	BRPL	30.07.16	'B' PH. CABLE FAULTY.
13.	30MVA PR.TR. AT NANGLOI	BRPL	18.08.16	UNDER SHUT DOWN.
14.	16MVA Pr.Tr.-II at Mukherji park	BRPL	20.12.16	UNDER SHUT DOWN
15.	33kV Peeragarhi-Madipur ckt.	BRPL	30.12.16	B-PH SINGLE CABLE FAULTY
16.	66/11kV 20MVA Pr.Tr.-II at Bindapur	BRPL	09.01.17	UNDER BREAKDOWN
17.	66/11kV 20MVA Pr.Tr.-III at Matiala	BRPL	13.01.17	UNDER SHUT DOWN
18.	66kV BODELLA-I – PASCHIM VIHAR CKT.-II	BRPL	18.01.17	SPARE CABLE FAULTY
19.	33kV Subji Mandi (220kV)- B.G. Road Ckt.-I	BYPL	09.01.17	SINGLE CABLE FAULTY

20.	33KV PANDAV NAGAR - DMS CKT.	TPDDL	03.04.16	PROBLEM IN RMU.
21.	33kV Jahangirpuri-Sanjay Gandhi Tr.Nagar Ckt.-1	TPDDL		R-PH CABLE FAULTY
22.	66kV SGTN-Pitampura-1 ckt.-1	TPDDL		Y-PH CABLE FAULTY
23.	66kV GT-SCHOOL LANE CKT-II	NDMC	11.01.17	CABLE FAULTY
24.	33kV Trauma centre(220kV)-State Guest House Ckt.	NDMC	20.01.17	CABLE FAULTY
25.	315MVA ICT-1 at 400kV Bawana	DTL	11.12.16	Tr. Damaged due to fire.
26.	100MVA Tr.-2 at Geeta colony	DTL	01.12.16	DGA result of Tr. Oil is not within the permissible limit.
27.	400kV BAMNAULI - JHAKTIKARA CKT.-I	DTL	22.05.16	Tower erection work is yet to be started. In process of tendering.
28.	220/66kV 100MVA PR.TR.-III AT 220kV PPK-I	DTL	04.09.16	HV SIDE 'Y' PH. WINDING DAMAGED.
29.	220/33kV 100MVA PR.TR.-II AT 220kV PARK STREET	DTL	11.09.16	The transformer have been put Off due to rise in oil temperature and it will be replaced by the transformer at 220kV Pappankalan-I.
30.	220/33kV 100MVA PR.TR.-I AT 220kV WAZIRPUR	DTL	19.10.16	Tr. Tripped on Differential and Buchholz. Internal inspection has been carried out and the transformer will be charged after the recommendations of OEM.
31.	220kV Maharani Bagh-Lodhi Road Ckt.-1	DTL	04.01.17	R-Ph cable end termination bursted at Maharani Bagh end.

**Thank You**

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