

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

**AGENDA FOR OCC MEETING DT. 28.02.2017**

**Date** : 28.02.2017 (Tuesday)  
**Time** : 10:30 AM  
**Venue** : SLDC Building  
Minto Road, Opp. MCD Civic Centre,  
New Delhi-110002

**1.0 Confirmation of minutes of OCC meeting dated 30.01.17.**

An OCC meeting was held on 30.01.17 in accordance with the agenda circulated vide letter dt. 23.01.17. Minutes of the aforesaid OCC meeting were issued vide letter dt. 10.02.17.

**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. It was deliberated in the OCC meeting dt.-30.01.2017 that the 315 MVA ICT EMCO make dismantled from Bawana Sub-stn which is being repaired will be considered as hot reserve. The matter for hot reserve of 500MVA Capacity may be discussed in NRPC OCC as no. of 500MVA Transformers is growing. O&M Department will take up with NRPC OCC. <b>O&amp;M deptt. may update the status.</b>

2.	220/66kV Tx 160MVA	22	<p>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.</p> <p>DTL Planning deptt. informed in the OCC meeting dt.-30.01.2017 that as decided in the recent steering committee meeting, a new 160MVA Tr. is proposed for Kanjhawala Sub-stn and the same will be treated as hot reserve.</p> <p><b>Planning deptt., DTL may kindly update the status.</b></p>
3.	220/66kV Tx 100MVA	42	<p>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.</p>
4.	220/33kV Tx 100MVA	37	<p>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.</p> <p>DTL Planning deptt. informed in the OCC meeting dt.-30.01.2017 that as decided in the recent steering committee meeting, DTL to explore the possibilities for repair of faulty 100MVA Tr. dismantled from Park street and Pappankalan-I Sub-stn and will be treated as hot reserve.</p> <p><b>O&amp;M deptt., DTL may kindly update the status.</b></p>
5.	66/11kV 20MVA Tx.	24	<p>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.</p> <p>DTL Planning deptt. confirmed that as decided in the recent steering committee meeting, Discom will give Transformer on loan basis as and when required in case of exigencies.</p> <p><b>Planning deptt., DTL may kindly update the status of scheme.</b></p>
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.

During the OCC meeting dt.-30.01.2017, DTL informed that shutdown beyond 31<sup>st</sup> March 2017 will not be possible due to increase in load demand. OCC approved the extension of shutdown upto March end 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. Further, PWD informed that estimate for re-routing of transmission line has been submitted by M/s. L&T to PWD which has been forwarded to DTL planning deptt. for vetting the same as PWD is not having expertise in this electrical works. OCC advised DTL for expediting the same.

**DTL(O&M), Planning, SLDC, PWD may deliberate.**

## **2.3 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.

During the OCC meeting held on 30.01.2017, it was informed by BRPL that 13 nos. Transformers will be removed within one week and rest will be removed in near future. OCC advised that the matter be expedited. BRPL assured for the same.

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

#### **2.4 OCC Agenda of 220 KV S/Stn. Sarita Vihar**

Manager(T)O&M-South V have requested to include the following OCC agenda for deliberation:-

##### **(a) Delay in entry at NTPC Badarpur premises at the time of availing Shut down**

The Tower No. 1, 2 and 3 of BTPS-Sarita Vihar Ckt. are situated inside the premises of NTPC, Badarpur. It takes at least 02 Hrs. to enter in the premises of NTPC after issue of Gate pass by HR deptt. of NTPC. The security check procedure of CISF deployed at main gate is too lengthy and slow.

Further, NTPC intimated that gate pass will not be issued without ESI card of contractual labour as per their rule and working contractor of DTL, M/S Chauhan & Co. is not having the ESI card of his labour. OCC has approved the shut down of BTPS Ckt. -II on 11.02.2017, but could not be availed in the absence of ESI card and group insurance of labour was also expired. The matter was discussed by Manager(T)O&M-South V, DTL with AGM(T) and Manager(E) NTPC, but gate pass was denied resulted long outage.

Another emergency was occurred on 14.02.2017 when BTPS Ckt.-I was tripped at 08:10 Hrs. and Ckt.-II was already under PTW as gate pass was denied by NTPC. It took 02 hrs. time for entry in NTPC premises resulted more outage.

It is also to mention here that BTPS Ckt.-II was made off by DTL system operation on 12.02.2017 at 19:10 Hrs. without any information and message of hot point on this ckt. was given on 13.02.2017 afternoon. PTW was taken but work could not be done as gate pass was denied by NTPC resulted more outage because this work was completed on 14.02.2017.

In view of above, NTPC may be requested to take up the matter with CISF to minimize the entry time during shut down and entry during emergency shutdown may be allowed on the recommendation of PTW holder of DTL at that time without gate pass to minimize the outage.

**(b) Long outage of BTPS Ckt.-I & II without any reason.**

It is to inform that 220 KV Sarita Vihar- BTPS Ckt.-I & II were made off on 14.02.2017 at 20:45 and 20:55 hrs. respectively by system operation minto road. This matter was discussed by operation staff and Manager(T)O&M-South V with system operation many times since then but no logical reason was intimated. This matter was also mailed to system operation but reason has not been informed. Both feeders were charged on 15.02.2017 at 19:45 Hrs. resulted long outage.

In view of above, DTL system operation may be requested to inform grid operation staff the reason of making off any feeder so that same may be recorded in log sheet/GD for record.

**OCC may deliberate.**

**2.5 Grid disturbance occurred on dt.-14.02.2017 at 08:10 hrs. and 08:26 hrs.**

**(i) The details of tripping occurred on 14.02.2017 at 08.10 hrs are as under:-**

S. No	Name of the elements tripped	Relay indications, Fault current and fault clearing time
1	220kV BTPS – Sarita Vihar Ckt. –I	<b>At Sarita Vihar –</b> Dist prot, Zone-4, Y-Ph, Dist (-)2.43Kms. Jumper snapped at tower no. 3. IR=284.4A, IY=13.68kA, IB=13.64kA
2	220kV Pragati – Sarita Vihar Ckt. –II	<b>At Sarita vihar-</b> supply fail <b>At Pragati –</b> Dist Prot, Zone-2 Fault current :- IY=IB=2.9kA Fault clearing time :- 350ms
3	220kV Bus coupler at Sarita Vihar	Tripped on O/C, E/F.
4	220kV BTPS-Mehrauli Ckt.-I	<b>At Mehrauli-PSB</b> trip Fault current:- IY=IB=4.5kA Fault clearing time:- 515ms

**From the above, it appears that there was delay in fault clearance at BTPS end for the fault occurred in 220kV BTPS – Sarita Vihar Ckt. –I, resulting power swing at Mehrauli Sub-stn for 515 ms.**

**OCC may deliberate**

**(ii) Load loss of GT#2 and STG at 220kV Pragati Sub-stn on dt.-14.02.2017 at 08.26 hrs.:-**

Prior to incident which occurred at 220 kV Sub-Stn Pragati on dt.- 14.02.2017 at 08.26 hrs, GT#2 and STG were connected on Bus-1 and were feeding load of 220kV Sarita vihar ckt.-1 and 220kV Park street CKT.-1 & 2. Despite of any disturbance in the grid, the load of GT#2 and STG which were on 220kV Bus-1 disappeared all of the sudden resulting supply fail at Park street and Sarita vihar.

**OCC may deliberate**

**3.0 Using both 220 KV Bus for PPS-1 for better stability of feeders and running Machines in order to avoid blackout situation. (PPCL Agenda)**

DGM(opr), PPCL have requested to include the following agenda for discussion:-

**Referring to few past references like:-**

Units of PPS-1 stopped by SLDC vide message No 01/127/4509 dated 25.01.2017 18:46 Hrs subsequently GT#2 desynchronized at 00:02 Hrs and STG desynchronized at 00:05 Hrs on 26.01.2017.

SLDC has asked to bring the units on bar and maintain 150 MW schedule at 07:00 Hrs on dated 27.01.2017 vide message No 01/134 4517 at 00:46 Hrs on dated 27.01.2017 and accordingly GT#2 and STG put on Bar on 27.01.2017.

In order to attend hot spot at 220 KV Pragati Sub-Station, GT#2 was stopped and GT#1 is taken in service vide message No 1/148/4535 dated 30.01.2017 at 21:17 Hrs. ***which could have been avoided if the same had been attended when plant was under Shut Down.***

Message No 1/157/4550 dated 31.01.2017 was given for swapping of GT#2 with GT#1 but the request was turned down by SLDC despite of repeated pursuance considering GT#2 as more efficient. Finally acceptance for swapping granted vide SLDC message No (1) 2/12/4568 dated 03.02.2017 at 16:19 Hrs and again (2) 2/13/4570 dated 04.02.2017 at 07:26 Hrs. to swap the machine on 04.02.2017 at 09:00 Hrs.

On dated 14.02.2017 at 08:12 Hrs GT#2 and STG tripped on grid disturbance, as both the machines were on 220 KV Bus-1 eventually leading to tripping of both UAT's and DG Set came into service.

At present GT#1,GT#2 and STG is again on 220 KV Bus-1 which should be separated in order to provide better stability to both machine and grid, or bus coupler may be in closed condition.

Further, frequent start and stop of Machine may lead to undue wear and tear resulting into preponement of overhauling as per direction of Original equipment manufacturer guidelines.

In the present scenario with upgradation, GT#2 should be given the preference when one machine (GT) is to be taken in service because of being more efficient and delivering reduced Heat Rate.

**OCC may deliberate**

## 4.0 SLDC Agenda

### 4.1 Inter state transmission losses in Northern Region

This is regarding NRPC letter dt.-03.02.2017 addressed to GM(SLDC), whose contents are as under:-

In compliance to regulation 6.4.22 of IEGC 2010, actual net injection/drawl of regional entities (15 minute wise) is being computed out by NRLDC. Computations are based upon interface meters readings transmitted to NRLDC and CT/PT ratios being used. Net/percentage inter state transmission losses for each time block are being computed by NRLDC as indicated herein below:

Net Loss(MWh)=Net Injection(MWh)-Net Drawl(MWh),

Where Net Injection=Algebraic sum of ISGS/Other Generators(Regional entities) Injections + Algebraic sum of inter regional injections.

For inter regional injection meters located at other ends of inter regional links are being used for computations. All the computations carried out including drawl points and CT/PT ratios are web casted by NRLDC in its website under the link "<http://nrldc.org/Commercial/SemData/>" and as such are open to all entities for checking/verification.

As per past trends Inter state transmission losses increases during winter months but this year the losses are slightly on higher side. Therefore, these need thorough review from all angles by all concerned. The issue was deliberated in last OCC meeting held at NRPC on 16.01.2017. The drawl points of Delhi control area along with CT/PT ratios being used by NRLDC for computations are detailed as under.

NRPC has requested that drawl points & CT/PT ratios may be got validated and in case any mistake/omission is detected then same may be communicated to NRLDC. SLDC observations on any change in the pattern of intra state transmission losses during this winter season may also be communicated.

S.NO	LOCATION ID	METER. NO	C.T. RATIO	P.T. RATIO	M/C/S/L	Description
1	DL-01	NP-1174-A	1000	3636.3636	M	ICT-1 (400KV) at Mandola-PG
2	DL-03	NP-1176-A	1000	3636.3636	M	ICT-2 (400KV) at Mandola-PG
3	DL-05	NP-2025-A	1000	3636.3636	M	ICT-3 (400KV) at Mandola-PG
4	DL-07	NP-3027-A	1000	3636.3636	M	ICT-4 (400KV) at Mandola-PG
5	DL-21	NP-1132-A	1000	3636.3636	M	ICT-1 (400KV) at Bamnauli-DTL

6	DL-23	NP-1505-A	1000	3636.3636	M	ICT-2 (400KV) at Bamnauli-DTL
7	DL-28	NP-1328-A	1000	3636.3636	M	ICT-3 (400KV) at Bamnauli-DTL
8	DL-45	NP-5040-A	1000	3636.3636	M	ICT-4 (400KV) at Bamnauli-DTL
9	HR-05	NP-1224-A	400	600	M	66KV Gurgaon-1 at Rohtak Road-BBMB
10	HR-06	NP-1138-A	400	600	M	66KV Gurgaon-2 at Rohtak Road-BBMB
11	HR-07	NP-1140-A	400	300	M	33KV Gurgaon -at Rohtak Road-BBMB
12	HR-08	NP-6649-A	500	300	M	33kV Bahadurgarh at Rohtak Road-BBMB
13	DL-13	NP-7698-A	1000	3636.3636	M	ICT -2 (400 KV) at Rohtak Road-DTL
14	DL-15	NP-1173-A	1000	3636.3636	M	ICT -3 (400 KV) at Rohtak Road-DTL
15	DL-56	NP-6641-A	3000	3636.3636	M	400 KV PPCL-III-1 bus Section-B-423 at Bawana-DTL
16	DL-58	NP-8196-A	3000	3636.3636	M	400 KV PPCL-III-2 bus Section-B-419 at Bawana-DTL
17	DL-70	NP-9928-A	1000	3636.3636	M	400 KV Bhiwani-PG at Bawana PPCL-III
18	DL-71	NP-6994-A	1000	3636.3636	M	400 KV Bahadurgarh-PG at Bawana PPCL-III
19	DL-73	NP-5182-A	2000	3636.3636	M	400KV Dadri-1 at Harsh Vihar (Loni)-DTL
20	DL-74	NP-1158-A	2000	3636.3636	M	400KV Dadri-2 at Harsh Vihar (Loni)-DTL
21	DL-31	NP-5327-A	600	2000	M	220kV MIA at BTPS
22	DL-33	NP-3051-A	600	2000	M	220KV Ballabgarh-1 at BTPS



23	DL-34	NP-5348-A	600	2000	M	220KV Ballabgarh-2 at BTPS
24	DL-36	NP-9966-A	800	2000	M	220KV Sahibabad-UPPCL at Ghazipur-DTL (Earlier it was Sahibabad-Patparganj)CT Ratio changed from 600 to 800 upon shifting to Ghazipur)
25	DL-38	NP-1114-A	800	2000	M	220KV sec 62 Noida-UPPCL at Ghazipur-DTL
26	DL-39	NP-7753-A	800	2000	M	220KV BTPS at Ghazipur-DTL
27	DL-25	NP-6601-A	600	2000	M	220KV Panipat-1 at Narela-DTL
28	DL-26	NP-6605-A	600	2000	M	220KV Panipat-2 at Narela-DTL
29	DL-27	NP-8070-A	600	2000	M	220KV Panipat-3 at Narela-DTL
30	HR-01	NP-1162-A	150	2000	M	ICT -1 (220KV) at Narela-BBMB
31	HR-03	NP-3024-A	300	2000	M	ICT -2 (220KV) at Narela-BBMB
32	HR-05	NP-1224-A	400	600	M	66KV Gurgaon-1 at Rohtak Road-BBMB
33	HR-06	NP-1138-A	400	600	M	66KV Gurgaon-2 at Rohtak Road-BBMB
34	HR-07	NP-1140-A	400	300	M	33KV Gurgaon-1 at Rohtak Road-BBMB
35	HR-08	NP-6649-A	500	300	M	33KV Bahadurgarh at Rohtak Road-BBMB
36	DL-47	NP-7763-A	500	3636.3636	M	ICT-1 (400KV) at Maharaniabagh-PG(315MVA)
37	DL-49	NP-5416-A	500	3636.3636	M	ICT-2 (400KV) at Maharaniabagh-PG
38	DL-60	NP-6638-A	1000	3636.3636	M	ICT-3 (400KV) at

						Maharanibagh-PG(500MVA)
39	DL-62	NP-6671-A	1000	3636.3636	M	ICT-4 (400KV) at Maharanibagh-PG
40	DL-64	NP-5180-A	1000	3636.3636	M	ICT-2 (400KV) at Mundka-DTL
41	DL-66	NP-6816-A	1000	3636.3636	M	ICT-4 (400KV) at Mundka-DTL
42	DL-79	NP-8126-A	2000	3636.3636	M	ICT-3 (400KV) at Mundka-DTL

**OCC may deliberate.**

#### **4.2 Injection of MVAR in system by DMRC**

It has been noticed that DMRC is injecting MVAR in the network system resulting over-voltage in the system. DMRC should work on controlling MVAR injection for the better stability of grid.

**OCC may deliberate.**

#### **5.0 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.

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.

**The matter was deliberated in the OCC meeting dt.-30.01.2017, wherein it was advised that to avoid interruption the changeover of 66kV supply be carried out in parallel operation after checking of phase sequence and voltage to avoid supply interruption. Operation for changeover be done at Ghazipur Sub-stn in presence of officials of DTL, BYPL and EDWPCL and outcomes be deliberated in the next OCC meeting.**

**OCC may deliberate.**

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

The status of joint checking of overhead lines as discussed in the previous OCC meetings are as under:-

S.No.	Section	Railway Location	Overhead Crossing between	System Voltage	Concerned Supply Authority	Present status
1	Tilak Bridge-Sahibabad	1532/5G-1532/9G	I.P. - Pragati	220 KV	DTL	As informed by Railways, Inspection of this line is not needed as the railway line beneath the power line is not in operation.
2	-do-	1532/15-17	I.P. - Sarita Vihar	220 KV	DTL	Already inspected on dt.-01.02.2017
3	-do-	-do-	I.P. - Sarita Vihar	220 KV	DTL	Already inspected on dt.-01.02.2017
4	-do-	2/25G-	I.P.-	220 KV	DTL	Already inspected on

		2/27G	Patparganj			dt.-29.11.2016
5	-do-	2/27G-2/29G	Geeta Colony-Patparganj	220 KV	DTL	Already inspected on dt.-29.11.2016
6	-do-	5/21G-5/23G	Patparganj-Vivek Vihar	66 KV	BYPL	Already inspected on dt.-09.01.2017
7	-do-	7/33G-8/1G	Patparganj-Vivek Vihar	66 KV	BYPL	Already inspected on dt.-09.01.2017
8	Delhi-Shahdra	2/11-2/13	Geeta Colony-SOW	220 KV	DTL	Already inspected on dt.-29.11.2016
9	Shahdra-Sahibabad	9/3-9/5	Vivek Vihar-Dilshad Garden	66 KV	BYPL	Already inspected on dt.-07.01.2017
10	Azadpur-Adarsh Nagar	8/7-8/9	Azadpur- Tri Nagar	33 KV	TPDDL	Already inspected on dt.-16.12.2016
11	Adarsh Nagar- Badli	11/15-11/17	Jahangir Puri-Pritampura	66 KV	TPDDL	Already inspected on dt.-16.12.2016
12	Hazrat Nizamuddin-Okhla	1528/15-16		33 KV	BSES	OCC in its meeting dt.-30.01.2017 advised Northern Railways to carry out joint inspection in coordination with BRPL.

**The joint inspection report/MOM be provided by DTL/Discoms so as to apprise the same to Northern Railways.**

**7.0 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.

During the OCC meeting held on 30.01.2017, it was informed by TPDDL that the records are to be checked since 2002 which are in hard copy. They have checked the records for the past five years. After checking the records, TPDDL will revert very soon.

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

## **8.0 Proposed Planned Shutdowns**

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

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

**OCC may deliberate.**

### **8.2 Proposed shutdowns of DTL Project deptt.**

DTL, Project deptt. has proposed the planned shutdowns at 220kV Sub-stn Lodhi Road for the month of March/April/May 2017 as per following details:-

S. No.	Date from	Date to	Name of element	Work to be carried out	Remarks
1.	06.03.2017	15.03.2017	220 kV Ckt-1/line-1 Lodhi	To carry out the work of 220kV XLPE cable end termination	100 MVA Trf. no. 1 to be out during the

	08:00 hrs	17:00 hrs	Road to Maharani Bagh S/stn alongwith 100MVA T/F-1	bushings (3nos. ) for connecting the existing 220 kV Ckt-1 / line-1 from Maharani Bagh S/stn to upcomming 220kV GIS at Lodhi Road S/Stn.	shutdown period. Load may be transferred to 100 MVA Trf. no. 2.
2.	06.03.2017 08:00 hrs	05.04.2017 17:00 hrs	100MVA T/F-1, 220 kV Bay no-1	<ol style="list-style-type: none"> <li>1. Dismantling of existing 220 kV Bays equipments i.e Isolator, Circuit Breaker, CT LA, BPI alongwith supporting structure etc.</li> <li>2. Demolishing &amp; removing of existing 220 kV Bay's Equipments foundation of Isolator, Circuit Breaker, CT LA, BPI.</li> <li>3. Construction of new foundations for 03 nos 220 kV cable end bushing, 03 nos LA &amp; 06 nos BPI.</li> <li>4. Erection of structure &amp; equipments for 03 nos 220 kV cable end bushing, 03 nos LA &amp; 06 nos BPI.</li> <li>5. Making the connection of 100 MVA Pr Trf Bushing to upcomming 220 kV GIS through 220 kV XLPE cable.</li> <li>6. Dismantelling of RTCC panel of Transformer no-1 in old control building and shifting &amp; installation of the same in 220 kV GIS</li> </ol>	<p>100 MVA Trf. no. 1 to be out during the shutdown period.</p> <p>Load may be transferred to 100 MVA Trf. no. 2 and also load shared by newly 3rd 100MVA Transformer (M/s CGL make) at Lodhi Road S/Stn.</p> <p>Note- After dismantling of existing 220 kV Bay equipment foundations, the new foundations are to be constructed for connecting to upcoming 220kV GIS through 220kV cable at Lodhi Road</p>

				Building.	
3.	06.04.2017 08:00 hrs	15.04.2017 17:00 hrs	220 kV Ckt-2 / line-2 Lodhi Road to Maharani Bagh S/stn alongwith 100MVA T/F-2	To carry out the work of 220kV XLPE cable end termination bushings (3nos.) for connecting the existing 220 kV Ckt-2 / line-2 from Maharani Bagh S/stn to upcomming 220kV GIS at Lodhi Road S/Stn.	100 MVA Trf. no. 2 to be out during the shutdown period.  Load may be transferred to 100 MVA Trf. no. 1 & 3rd 100 MVA Pr. Trf.
4.	06.04.2017 08:00 hrs	05.05.2017 17:00 hrs	100MVA T/F-2, 220 kV Bay no-2	<p>1. Dismantelling of existing 220 kV Bays equipments i.e Isolator, Circuit Breaker, CT LA, BPI alongwith supporting structure etc.</p> <p>2. Demolishing &amp; removing of existing 220 kV Bay's Equipments foundation of Isolator, Circuit Breaker, CT LA, BPI.</p> <p>3. Construction of new foundations for 03 nos 220 kV cable end bushing, 03 nos LA &amp; 06 nos BPI.</p> <p>4. Erection of structure &amp; equipments for 03 nos 220 kV cable end bushing, 03 nos LA &amp; 06 nos BPI.</p> <p>5. Making the connection of 100 MVA Pr Trf Bushing to upcomming 220 kV GIS through 220 kV XLPE cable.</p> <p>6. Dismantelling of RTCC panel of Transformer no-2 in</p>	<p>100 MVA Tr. no. 2 to be out during the shutdown period.</p> <p>Load may be transferred to 100 MVA Tr. no. 1 and also load shared by newly 3rd 100MVA Transformer (M/s CGL make) at Lodhi Road S/Stn.</p> <p>Note- After dismantling of existing 220 kV Bay equipment foundations, the new foundations are to be constructed for connecting to upcoming 220kV GIS through 220kV cable at Lodhi Road</p>

				old control building and shifting & installation of the same in 220 kV GIS Building.	
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OCC may deliberate.

### 8.3 Proposed planned shutdowns of DMRC

**Sub:-Request for shutdown for the work of raising the height of 220kV O/H D/CT/L infringing DMRC corridor near MIA station to Bahadurgarh corridor of Delhi MRTS Phase-III**

With reference to the subject cited above, DMRC vide their letter dt.-14.02.2017 have informed that three towers have already been erected and one tower is in progress out of six nos. (04 nos. lattice & 02 nos. Monopoles). Monopoles shall be erected in existing 220kV ROW. The shutdown is required for erection of two monopoles, stringing of conductors & completion of work in all respect. The schedule of shutdown is as under:

S.No.	Name of feeders	Area between	Date from	Date to	Total period	Remarks
1.	Kanjhawala to Mundka 220kV feeder	Near MIA Stations, Mundka	03.03.2017 (09:00 hrs)	18.03.2017 (18:00 hrs)	15 days	Continuous basis
2	Kanjhawala to Najafgarh 220kV feeder					

Sh. T.R. Benwal (Mgr./Elect.) DMRC shall take the shutdown.

DMRC have requested to arrange the above shutdown and provide permit to work to their representative at site. They have also requested for issuing suitable instructions to concerned DTL persons regarding the above.

### 9.0 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 23.02.2017
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.-II	BRPL	31.01.16	R-Ph single cable faulty
3.	33kV IIT-JNU Ckt.	BRPL	27.11.16	CT problem
4.	16 MVA Pr. Tr.-III at Adhchini	BRPL	04.02.17	UNDER SHUT DOWN
5.	50 MVA Pr. Tr.-I at 66kV Palam	BRPL	11.02.16	UNDER SHUT DOWN
6.	25 MVA Pr. Tr.-I at NDSE	BRPL	14.02.17	UNDER BREAK DOWN
7.	66kV Vasant Kunj Industrial Area-Ridge Valley Ckt.-II	BRPL	15.02.17	UNDER BREAK DOWN
8.	20MVA Pr. Tr.-I at Batra	BRPL	15.02.17	UNDER SHUT DOWN
9.	66kV Vasant Kunj B-Block-Liver instl. Area ckt.-1	BRPL	21.02.17	B-Ph Single cable faulty
10.	33KV IP-JLN Stadium (Bay-24)	BRPL	22.02.17	UNDER SHUT DOWN
11.	50MVA Pr. Tr.-I at Ridge valley	BRPL	22.02.17	UNDER SHUT DOWN
12.	66kV Bus coupler at G-15 Dwarka	BRPL	22.11.16	CT Blast
13.	33kV ROHTAK ROAD - MADIPUR CKT.	BRPL	28.05.16	CABLE FAULTY.ROAD CUTTING PERMISSION AWAITED FROM PWD.

14.	66kV SAGARPUR - REWARI LINE CKT.	BRPL	30.07.16	'B' PH. CABLE FAULTY. RE-ROUTING BEING DONE.
15.	66KV PPK-II – G-5 MATIALA CKT.-II	BRPL	21.01.17	R-PH CABLE FAULTY
16.	66KV PPK-I – BODELLA 1 CKT.-1	BRPL	26.01.17	CABLE FAULTY
17.	20 MVA Pr. Tr. –II at G-5 Matiala	BRPL	12.02.17	UNDER SHUT DOWN
18.	33KV PEERAGARHI – MADIPUR CKT.	BRPL	16.02.17	SINGLE CABLE FAULTY
19.	33KV CHAUKHANDI-PACIFIC MALL CKT.	BRPL	20.02.17	B-PH SECOND CABLE FAULTY
20.	66KV NAJAFGARH-NANGLOI CKT.	BRPL	22.02.17	UNDER SHUT DOWN
21.	20 MVA Pr. Tr. –I at Bindapur	BRPL	22.02.17	UNDER SHUT DOWN
22.	33kV Subji Mandi (220kV)- B.G. Road Ckt.-I	BYPL	09.01.17	Single Cable faulty. Cable end box for GIS under procurement.
23.	33KV PANDAV NAGAR - DMS CKT.	TPDDL	03.04.16	PROBLEM IN RMU.
24.	33kV Jahangirpuri-Sanjay Gandhi Tr.Nagar Ckt.-1	TPDDL		R-PH CABLE FAULTY
25.	66kV Pitampura-1 – Rohini 1 Ckt.-II	TPDDL		R-PH CABLE FAULTY
26.	66KV S.G.T.N.(GIS) - PP 1 CKT.-1	TPDDL		Y-PH CABLE FAULTY
27.	315MVA ICT-1 at 400kV Bawana	DTL	11.12.16	Tr. Damaged due to fire.
28.	100MVA Tr.-2 at Geeta colony	DTL	01.12.16	DGA result of Tr. Oil is not within the permissible limit. Transformer is being replaced.Expected by 25.04.17.

29.	400kV BAMNAULI - JHAKTIKARA CKT.-I	DTL	22.05.16	Dead end Tower No.-169 along with gantry collapsed at Bamnauli end. Ckt.-II charged on ERS. Order placed. Expected by 30.04.17.
30.	220/66kV 100MVA PR.TR.-III AT 220kV PPK-I	DTL	04.09.16	HV SIDE 'Y' PH. WINDING DAMAGED. TO BE REPLACED WITH 160 MVA TR. AT KANJHAWALA. EXPECTED BY 10.04.17.
31.	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. Expected by 10.04.2017.
32.	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 being sent to OEM for repair.Expected by July 2017.
33.	220kV Maharani Bagh-Ghazipur Ckt.-1 & 2	DTL	08.12.16	Shutdown availed by PWD till March 2017 for construction of extended portion of Barapullah flyover.

**Thank You**

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