



DELHI TRANSCO LIMITED
(A Govt. of NCT of Delhi Undertaking)
An ISO 9001:2008 certified company
Office of DGM(T) OS, Convener-OCC
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Phone No.- (011)-23238882

No. F.DTL/831/F.4/2016-17/DGM (OS)/57

Date: 09.12.2016

To,
All Members of Operation Co-ordination committee

DTL	General Manager (O&M)-I, Chairman OCC	Fax no. 011-23366160
	General Manager (O&M)-II	
	General Manager (Planning)	Fax No.011-23622707
	DGM (O&M) - North, East, West, South	
	DGM (M/P)	Fax no. 011-23366160
	DGM(Plg.)	Fax No.011-23632031
SLDC	GM (SLDC)	Fax no. 011-23221069
	DGM (SO)	Fax no. 011-23221059/12,
TPDDL	HOD (PSC &AM)	Fax no. 011-66050602
	Sr. Manager (PSC)	Fax no. 011-66050602
BRPL	Asstt. Vice President (SO)	Fax no. 011-39996549
BYPL	Dy. General Manager (SO)	Fax no. 011-39996549
NDMC	Superintending Engineer	Fax no. 011-23235754
IPGCL	DGM (I/C) RPH	
	DGM (O) GTPS	
PPCL	DGM (O) PPCL	
MES	AEE/M.SLDC Officer	
BTPS	AGM (EEMG)	Fax no. 011-26944348
BBMB	Sr. Executive Engineer, O&M	Fax no. 011-28315542
DMRC	Addl. GM (Elect.) Special Invitee	
DMRC	DGM (Elect.)	Special Invitee
N. Railways	Sr. DEE (TRD)	Special Invitee
EDWPCL	Director(EDWPCL)	Special Invitee

Sub: MOM of OCC Meeting dated 28.11.2016 (Monday) at 3:00 P.M.

Dear sir/madam,

An OCC meeting was held on dt.-28.11.2016 (Monday) at 3:00 P.M. at Delhi Transco Limited, O/o-GM(O&M)-1, 220kV GIS Sub-Stn Park Street, Park Street Road, Opp. Talkatora Stadium, Near R.M.L. Hospital, New Delhi-110001

The minutes of meeting is enclosed herewith for your kind perusal and further necessary action please. The same has also been uploaded on our DTL website, www.dtl.gov.in under the Tab "News and Information – OCC Meeting".

Thanking You.

Enclosure: MOM of OCC meeting dt. 28.11.2016 (Monday)

Yours Sincerely,
sd/-
(Hitesh Kumar)
DGM(OS),DTL
Convener-OCC

Copy for favour of kind information to:

1. Member Secretary, NRPC, 18-A, SJS Marg, Katwaria Sarai, New Delhi-110016.
2. Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-17.
3. Chairman and Managing Director, DTL.
4. Chairperson, New Delhi Municipal Council, Palika Kendra, Sansad Marg, New Delhi.
5. Managing Director, Indraprastha Power Generation Company Ltd (Genco)/Pragati Power Corporation Ltd (PPCL), Himadri, Rajghat Power House, New Delhi-110002.
6. Director (Operations), DTL
7. General Manager, NRLDC, SJS Marg, Katwaria Sarai, New Delhi-16
8. CEO, BSES Rajdhani Power Ltd, BSES Bhawan, Nehru Place, New Delhi-110019.
9. CEO, BSES Yamuna Power Ltd, Shakti Kiran Building, Karkardooma, New Delhi-110092.
10. CEO, North Delhi Power Ltd, 33kV Grid S/Stn, Hudson Lane, Kingsway Camp, Delhi-110009.
11. CWE (Utilities), MES, Kotwali Road, Near Gopi Nath Bazar, Delhi Cantt. New Delhi-110010.
12. General Manager, Badarpur Thermal Power Station, Badarpur, New Delhi-44.
13. General Manager (Project)-I, DTL
14. General Manager (Project)-II, DTL

**DGM(OS),DTL
Convener-OCC**

MOM OF OCC MEETING DT. 28.11.2016

GM (O&M)-I, DTL, Chairman-OCC welcomed the members of OCC and other distinguished guests. List of participants are enclosed herewith as Annexure.

The meeting was started with a presentation on review of grid operation for Nov 2016 in which Delhi peak demand of 5442 MW for Oct-2016 and load curve for peak day of Oct month was depicted. Planning of grid operation for Dec 2016 was also depicted in which anticipated peak demand was shown to be near 4100 MW.

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

1.0 Confirmation of minutes of OCC meeting dated. 28.10.16.

An OCC meeting was held on 28.10.16 in accordance with the agenda circulated vide letter dt.25.10.16. Minutes of the aforesaid OCC meeting were issued vide letter dt.10.11.16.

Members confirmed the same.

2.1 Status of Hot Reserve of transformers at all levels.

DTL updated the status of 100 MVA and 160 MVA hot reserve of Power Transformers and cold reserves at 66kV and 33kV level:

S. No.	Capacity	Present population in nos.	Status of the hot reserve as on 28.11.16
1.	220/66kVTx 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. O&M deptt., DTL informed that the proposal for procurement of new 160 MVA Transformer as hot reserve has been initiated and the same is under approval. <p style="text-align: right;">(Action by O&M, DTL)</p>
2.	220/66kVTx 100MVA	42	DTL informed that PO for supply and ETC of 220/33kV 100MVA Tx as hot reserve at 220kV Patparganj Substation has been awarded. Tx. is expected to be commissioned before March, 2017. 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.
3.	220/33kVTx 100MVA	37	DTL informed that the case will be put up in the next steering committee meeting. <p style="text-align: right;">(Action by Planning deptt., DTL)</p>

S. No	Capacity	Present population in nos.	Status of the hot reserve as on 28.11.16
4.	66/11kV 20MVA Tx.	24	DTL informed that the scheme for 25MVA power transformers has been prepared and the same are for replacement and not for reserve. OCC advised DTL to get the approval of DERC for cold reserve transformers each at 66kV and 33kV level for further action. DTL informed that the case will be put up in the next steering committee meeting. (Action by Planning deptt., DTL)
5.	33/11kV 16MVA Tx.	16	

2.2 Alternative supply arrangement for IGI Airport, Delhi

DTL informed that at present, IGI Airport is being provided supply from only one source i.e. 220kV DIAL sub-station. In this regard, DTL requested Airport authority i.e. DIAL to have alternate power supply source in case of failure of supply from DIAL S/Stn. of DTL.

The issue was discussed during the OCC meeting dt.-28.09.2016, wherein DIAL informed that presently there are three terminals at IGI Airport. The power to Terminal –I & II is fed through 8 nos of 33kV outgoing feeders from 66kV Palam S/Stn. which is having two sources of supply from 220kV Mehrauli and from 220kV Vasant Kunj S/stn. However, power source to Terminal –III is only from 220kV DIAL S/Stn. at 66kV Level. Representative of DIAL further stated there is no 66kV Bus arrangement at 66kV DIAL S/Stn.

OCC during the meeting dt.-28.09.2016, pointed out that DIAL should explore the possibility of utilizing idle 66kV feeder from Palam s/stn terminating near 220kV DIAL S/stn. BRPL representative stated that this feeder is lying redundant for the last about three years and PTW on this is still with DIAL and if DIAL is not utilizing this feeder than they may surrender this bay to BRPL.

OCC had advised DIAL to submit the schematic arrangement of power supply to existing terminals of IGI Airport in the next OCC meeting. Representative of DIAL agreed to submit the same alongwith their future plan of utilizing the redundant 66kV Line.

During the OCC meeting dt.-28.10.16, GMR presented the schematic arrangement of power network of IGI Airport, wherein it was informed that there is 11kV link between Terminal –I & II (being feed through Palam Sub-Stn of BRPL) and Terminal –III (being feed through DTL DIAL Sub-Stn at 66kV level). OCC advised that GMR should explore the possibility for having a second source at 66kV level for power supply at Terminal-3 in coordination with BRPL to meet any exigency at Terminal-3 in case of power supply failure at DTL DIAL Sub-Stn. GMR should also deliberate at their end the issue of surrender of 66kV unutilized bay at Palam Sub-Stn to BRPL as raised by BRPL.

It was informed that GMR will take up the matter with their management regarding utilizing idle lying 66 KV line or surrender it to BRPL. It was further decided that a meeting will be convened between GMR (DIAL) and BRPL for exploring the possibility for having a second source at 66kV level for power supply at Terminal-3 to meet any exigency.

2.3 Receiving High Voltage at GMR, DIAL end

GMR, DIAL vide their e-mail dt.-11.11.2016 had informed regarding:-

- (i) Receiving High Voltage from DTL 220kV DIAL Sub-stn.
- (ii) Receiving High Voltage from BSES Palam at 66kV level to DIAL.
- (iii) Relay coordination with BSES Palam.

Regarding Point No.-(i) and (ii), it was decided that a committee would be constituted for looking the issue of high voltage during the winter season and all possible measures be taken by DTL, DISCOM's and Generating Stations to control the high voltage. DTL informed that the Tap position of transformers at DIAL has already been lowered from 5 to 3.

Regarding Point No.-(iii), OCC advised that the case may be put up to Protection sub-committee.

2.4 Shutdown for six months in r/o 220kV Maharani Bagh – Ghazipur (D/C) Line at 220kV Sub-Station Gazipur end for PWD work.

Manager(O&M)-I Gazipur, DTL informed that PWD has requested a shutdown of 220kV Maharani Bagh-Gazipur (D/C Line) for nearly 6 months to facilitate the construction activity of elevated road over Barapullah Nullah starting from Sarai Kale Khan to Mayur Vihar. PWD representative informed that the piling work is to be carried out in the close vicinity of existing 220kV line and this work is to be completed before the monsoon season. He further informed that the shutdown is needed for electrical safety of working manpower at site.

Manager(O&M) Gazipur, DTL further informed that due to widening work of NH-24, excavation near the existing 220kV XLPE cable between PPG-GZP is in progress and the cable is under threat zone which may get damaged during this activity. In case of shutdown of 220kV Maharani Bagh-Gazipur D/C Transmission Line is given, then the entire load of Gazipur Substation shall be catered through 220kV PPG-GZP Underground cable.

OCC deliberated and looking into the urgency of the work so as to complete the piling work before the next monsoon, the shutdown may be approved for one month starting from 7th December, 2016 subject to real time loading conditions of the grid and also in case of emergency, PWD will restore both the lines within 2 hours of DTL intimation. In case there is no contingency, shutdown will be extended further.

OCC advised Manager (O&M) Gazipur, to be vigilant for any construction activity at all the routes of 220kV PPG-GZP Underground cable so that the unwarranted failure of the cable is avoided.

The Nodal Officers from PWD and DTL during the above shutdown period will be as under:

S.No.	Name of the officer	Designation	Organization	Mobile No.	E-mail id
1.	Sh. M.P. Singh	Mgr.(T) O&M East	DTL	9999533800	managergzp@gmail.com
2.	Sh. P.K. Parmar	CPM, PWD	PWD	9810544569	cpmpwddelhif2@gmail.com
3.	Sh. Mukul Kumar	EE F-121, PWD	PWD	9899866846	eepwddelhif121@gmail.com
4.	Sh. Pranjal Srivastava	AEE(C), PWD	PWD	9999070131	pranjalsrivastava100@gmail.com

2.5 Storage of scrap material by BRPL Najafgarh at the common road at 220kV DTL Substation Najafgarh

Mgr(O&M),DTL (N-3&5) informed 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 enhanced 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.

Manager (O&M), DTL have 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.

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.

3.0 SLDC Agenda Points

3.1 Winter preparedness and Reactive Power Management

During the winter months, the voltage remains high during off peak hour. Last year during the period 02.11.2015 to 27.03.2016 Delhi has been injecting reactive power to the grid at high voltage conditions which led to paying of Rs. 538 Lakhs to Reactive Pool Account of NRPC whereas the Discoms has to pay only Rs 17.999lakhs. Which indicates that DTL System has generated Reactive power to the tune of corresponding to Rs 509.71 lakhs . The details are as under:

Reactive energy account issued by NRPC for Delhi as a whole (2015-16).

Week No.	Duration			MVARh Drawal		Amount in Rs. Lacs		Net Amount in Rs. Lacs
				High Voltage	Low Voltage	High Voltage	Low Voltage	
1	30-Mar-15	-	5-Apr-15	6595.00	2.80	-8.05209	0.00336	-8.04873
2	6-Apr-15	-	12-Apr-15	9025.80	2.80	-	0.00350	-
3	13-Apr-15	-	19-Apr-15	11320.50	0.00	14.15063	0.00000	14.15063
4	20-Apr-15	-	26-Apr-15	9928.90	26.10	12.41113	0.03263	12.37850
5	27-Apr-15	-	3-May-	10282.10	103.60	-	0.12950	-

			15			3		3
6	4-May-15	-	10-May-15	-1743.80	179.00	2.17975	0.22375	2.40350
7	11-May-15	-	17-May-15	8559.20	352.60	-10.69900	0.44075	-10.25825
8	18-May-15	-	24-May-15	1894.50	113.60	-2.36813	0.14200	-2.22613
9	25-May-15	-	31-May-15	780.60	287.70	-0.97575	0.35963	-0.61613
10	1-Jun-15	-	7-Jun-15	2196.80	38.80	-2.74600	0.04850	-2.69750
11	8-Jun-15	-	14-Jun-15	1815.20	354.10	-2.26900	0.44263	-1.82638
12	15-Jun-15	-	21-Jun-15	1279.40	236.40	-1.59925	0.29550	-1.30375
13	22-Jun-15	-	28-Jun-15	3057.10	185.90	-3.82138	0.23238	-3.58900
14	29-Jun-15	-	5-Jul-15	2535.30	53.50	-3.16913	0.06688	-3.10225
15	6-Jul-15	-	12-Jul-15	14176.70	119.30	-17.72088	0.14913	-17.57175
16	13-Jul-15	-	19-Jul-15	4126.70	65.90	-5.15838	0.08238	-5.07600
17	20-Jul-15	-	26-Jul-15	3202.20	82.40	-4.00275	0.10300	-3.89975
18	27-Jul-15	-	2-Aug-15	1493.00	0.00	-1.86625	0.00000	-1.86625
19	3-Aug-15	-	9-Aug-15	39110.60	54714.20	-48.88825	68.39275	19.50450
20	10-Aug-15	-	16-Aug-15	5174.10	23.40	-6.46763	0.02925	-6.43838
21	17-Aug-15	-	23-Aug-15	2052.30	142.20	-2.56538	0.17775	-2.38763

Week No.	Duration			MVARh Drawal		Amount in Rs. Lacs		Net Amount in Rs. Lacs
				High Voltage	Low Voltage	High Voltage	Low Voltage	
22	24-Aug-15	--	30-Aug-15	637.80	88.40	-0.79725	0.11050	-0.68675
23	31-Aug-15	--	6-Sep-15	-680.30	70.10	0.85038	0.08763	0.93800
24	7-Sep-15	--	13-Sep-15	-542.00	38.60	0.67750	0.04825	0.72575
25	14-Sep-15	--	20-Sep-15	9114.80	111.70	-11.39350	0.13963	-11.25388
26	21-Sep-15	--	27-Sep-15	9052.60	27.90	-11.31575	0.03488	-11.28088
27	28-Sep-15	--	4-Oct-15	2366.70	63.70	-2.95838	0.07963	-2.87875
28	5-Oct-15	--	11-Oct-15	2106.60	-36.40	-2.63325	-0.04550	-2.67875
29	12-Oct-15	--	18-Oct-15	5327.20	28.60	-6.65900	0.03575	-6.62325
30	19-Oct-15	--	25-Oct-15	3678.40	53.60	-4.59800	0.06700	-4.53100
31	26-Oct-15	--	1-Nov-15	43718.70	52952.80	-54.64838	66.19100	11.54263
32	2-Nov-15	--	8-Nov-15	-7307.90	22.90	9.13488	0.02863	9.16350
33	9-Nov-15	--	15-Nov-15	-11633.80	2.40	14.54225	0.00300	14.54525
34	16-Nov-15	--	22-Nov-15	-10130.70	0.00	12.66338	0.00000	12.66338
35	23-Nov-15	--	29-Nov-15	-15325.10	2.70	19.15638	0.00338	19.15975
36	30-Nov-15	--	6-Dec-15	-13971.10	3.40	17.46388	0.00425	17.46813
37	7-Dec-15	--	13-Dec-15	-15086.70	4.90	18.85838	0.00613	18.86450
38	14-Dec-15	--	20-Dec-15	-19114.60	5.70	23.89325	0.00713	23.90038
39	21-Dec-15	--	27-Dec-15	-23206.30	2.20	29.00788	0.00275	29.01063
40	28-Dec-15	--	3-Jan-16	-22447.20	1.30	28.05900	0.00163	28.06063
41	4-Jan-16	--	10-Jan-16	-20804.80	3.50	26.00600	0.00438	26.01038
42	11-Jan-16	--	17-Jan-16	-23119.30	-8.00	28.89913	-0.01000	28.88913
43	18-Jan-16	--	24-Jan-16	-22867.00	1.90	28.58375	0.00238	28.58613
44	25-Jan-16	--	31-Jan-16	-26143.80	-0.40	32.67975	-0.00050	32.67925
45	1-Feb-16	--	7-Feb-16	-24100.40	0.00	30.12550	0.00000	30.12550
46	8-Feb-16	--	14-Feb-16	-27748.40	6.10	34.68550	0.00763	34.69313
47	15-Feb-16	--	21-Feb-16	-29437.90	0.00	36.79738	0.00000	36.79738
48	22-Feb-16	--	28-Feb-16	-27303.50	0.00	34.12938	0.00000	34.12938
49	29-Feb-16	--	6-Mar-16	-21732.50	-0.10	27.16563	-0.00013	27.16550
50	7-Mar-16	--	13-Mar-16	-21550.90	0.00	26.93863	0.00000	26.93863
51	14-Mar-16	--	20-Mar-16	-20538.70	0.00	25.67338	0.00000	25.67338

52	21-Mar-16	--	27-Mar-16	-26930.80	0.00	33.66350	0.00000	33.66350
	Total			218858.70	110531.8	273.76504	138.1646	411.92965

In case of energy, (-)ve indicates injection and in case of amount (-)ve indicates receivable.

Reactive power Drawl /Injection by Discoms during November 2015 to March 2016.

(All figures in Rupees Lakhs):

Month	BRPL	BYPL	TPDDL	MES	NDMC	NET AMOUNT
NOV-15	-5.58	-19.26	4.70	0.03	-8.99	-29.10
DEC-15	7.96	7.79	11.26	0.30	-7.87	19.458
JAN-16	13.144	2.56	10.58	0.58	-5.31	21.55
FEB-16	12.19	0.16	8.28	0.17	-4.42	16.40
MAR-16	-0.9482	-8.79	6.10	1.818	-8.4973	-10.309
					TOTAL	17.999

The issue was deliberated in the 15th GCC Meeting wherein it was advised that corrective measures are required to be taken during high voltage conditions. This issue should also be regularly discussed and monitored in the Delhi OCC Meetings.

Further in the 128th OCC Meeting of NRPC against Agenda Point no. 23 by NRLDC the following was deliberated.

A. *High Voltage/Reactive Power Management: This year, during Aug-Sept 2016 months also, number of nodes in Northern region have been experiencing high voltage in Punjab, Haryana, Delhi NCR, some parts of Rajasthan and Uttar Pradesh especially during morning 0500-0700 hours as well as just prior to evening peak hours [natural low load conditions as well as low load condition due to load groups supply hours]. On the onset of coming winter in Northern Region, it is anticipated that voltage would further rise and it would be one of the key challenges for grid especially during night off-peak conditions. To curb the high voltages, following proactive actions are suggested:*

i. Switching off Capacitor banks during off peak hours .

B. Tap Optimization of ICTs

i. Monitoring of Scatter plots (HV side and LV side voltage plot) of ICTs

ii. Tap change based on scatter plot

iii. Tap change confirmation with control centers .

C. Generator Reactive absorption

i. Sensitize the generators to absorb the MVar as per the system requirement w.r.t their capability curve

ii. Generator transformer tap change as per the system requirement

As far as high voltage is concerned it was observed that during last year Mainly at following substations voltages at 400kV /220kV levels were High .

1. Maharani S/stn.
2. Mundka S/stn.
3. Bamnauli S/stn.

The endeavour of the substation Incharge should be NIL reactive power Injection at High Voltages for system Security .If required , Transformers /Lines are switched off to control injection of reactive power at 400kV through ICT's .

The following steps were taken on 26.10.2016 to control reactive power injection.

- a. All capacitor banks in Discoms and DTL were switched off.
- b. 220kV Maharani- E.lane oneckt put off .
- c. 220kV Maharani- Trauma centre oneckt put off .
- d. 220kV Maharani- Majid Modh oneckt put off .
- e. 220kV Mundka-Peeragarhi one ckt put off.
- f. 220kV Peeragarhi-Wazirpur one ckt off.
- g. One no. of 160Mva, 220/66kV, Transformer put off at Mundka.

Despite above measures, the reactive power injection during night hours of 26/27-10-2016 was as under :

Hours	Mandola	Bawana	Maharani Bagh	Mundka	H.Vihaar	Bamnauli
23	41	-1	-74	-53	-2	-44
24	32	-8	-81	-57	--	-52
1	20	-16	-85	-63	--	-58
2	2	-24	-90	-65	--	-71
3	-9	-27	-89	-68	--	-79
4	-20	-30	-90	-66	--	-83
5	-22	-28	-88	-68	--	-80
6	-9	-28	-85	-66	--	-54
7	21	-19	-85	-65	--	-39

Tap position

Maharani Bagh	315MVA - 12	500MVA - 9
Bawana	315MVA - 9	
Mandola	500MVA - 9	
Harsh Vihar	315MVA - 9	
Bamnauli	315MVA - 9	500MVA - 9
Mundka	315MVA - 6	

From the above it appears that installation of reactors at 400kV Mundka, Bamnauli, Maharani Bagh and Bawana is a long term solution. The matter was discussed in detail in 34th TCC Meeting held on 25.10.2016 at Rishikesh. It was clarified by CTU that they have conducted the comprehensive study for reactive power complementation and concluded that 125 MVAR Reactor is required to be installed at 400kV Mandola s/stn. It was also explained that the system studies were carried out based on assumption that three upcoming ISTS at Tuglakabad, Dwarka & IP with 125MVAR Reactor provision at each sub station for 2018-19 conditions. The

minimum load assumed was 2500MW. On the request of DTL the studies would be repeated for 1500MW minimum load.

Since the reactors installations may take 2-3 years till the time Delhi system has to remain vigilant for voltage regulations particularly during winter nights for stable system operation.

After deliberation, a committee comprising of engineers from DTL, Generating Stns and Discoms has been constituted for study of Reactive Power Management in the Delhi system.

OCC further advised that wherever there is problem of overvoltage at 220kV level at a particular grid sub-station during the winter season, the same is to be controlled by lowering the tap position of respective transformers to suitable level in consultation with SLDC so as to bring down the LV voltage to desired level. The necessary action in this regard was required to be taken by 5.11.2016. DTL informed that transformer tap positions at many S/Stns have been lowered to 03 in consultation with SLDC.

3.2 Synchronization of 12 MW Gazipur Waste to Energy Plant.

The Waste to Energy Plant of EDWPCL is connected at 66KV level to the 220/66KV Gazipur sub-station of DTL. The 66KV feeder connecting the plant to the sub-station was charged on 19.08.2015. Thereafter, the plant was drawing power from BYPL through DTL substation at Gazipur.

On **21.10.2015**, the plant itself synchronized with the grid without informing to the control room of SLDC and started injecting power in to the grid. The plant has now requested to consider the said date as date of synchronization.

Regarding date of synchronization, it is informed that the generator is required to obtain the permission of the SLDC, Delhi (concerned load dispatch Centre in its case) before injecting its infirm power into the grid.

The relevant clause 8.(7) of the Central Electricity Regulatory Commission (Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-State Transmission and related matters) Regulations, 2009 is reproduced here under for clarity in this regard:

'A generating station, including captive generating plant which has been granted connectivity to the grid shall be allowed to undertake testing including full load testing by injecting its infirm power into the grid before being put into commercial operation, even before availing any type of open access, after obtaining permission of the concerned Regional Load Dispatch Centre, which shall keep grid security in view while granting such permission.'

During OCC meeting dt. 28.07.16, EDWPCL informed that they have synchronized with Gazipur grid on **21.10.15** for turbine testing and de-synchronized after the testing. OCC advised EDWPCL to inform and take permission from Delhi SLDC before actual synchronization of their system with grid. EDWPCL further informed that their communication system is ready and requested DTL to kindly check the same.

During meeting dt.30.08.16, OCC advised EDWPCL to submit the telemetry data to SLDC within 2 weeks before proceeding to next step.

During the OCC meeting dt.-28.09.2016, EDWPCL informed that they shall provide the telemetry data to SLDC by 30th September, 2016.

During the OCC meeting dt.-28.10.2016, EDWPCL informed that the required telemetry data has been provided to Delhi SLDC. SLDC informed that they shall get it checked and revert back.

It was informed by SLDC that they are receiving the telemetry data from EDWPCL. As such the date of synchronization be taken as 21.10.2015.

However, EDWPCL was advised to be careful from next time and should abide by the rules and regulations of DERC.

4.0 EDWPCL Agenda

4.1 Relay coordination with DTL Ghazipur Sub-Stn.

EDWPCL vide their e-mail dt.-17.11.2016 have informed that they have submitted hard copy of the relay settings at their end to DTL for checking of relay coordination.

It was informed that DTL will examine the relay settings and revert back to EDWPCL.

4.2 High voltage at DTL Ghazipur Grid

EDWPCL vide their e-mail dt.-15.11.2016 have informed that on dt.-14.11.2016, they have recorded high voltage (71.9kV) during night at DTL Ghazipur grid and subsequently their unit tripped on over voltage.

DTL informed that the transformer tap position at Ghazipur Grid for all the 2 nos. 100MVA and 1 no. 160 MVA Transformer have already been lowered to Tap No.-3 to bring down the voltage at LV side. OCC noted.

5.0 Northern Railways Agenda

5.1 Joint Checking of Overhead Power Line crossings with railway representatives.

Northern Railways vide their letter dt.-17.11.2016 have informed that Joint checking of all overhead crossings are still pending between section Badli- New Delhi, Tilak Bridge-Sahibabad and Delhi- Sahibabad section. The concerned representatives of DTL, TPDDL and BSES are not interested for the joint checking even after contacting several times. The detail of crossings are as under:-

Details of Overhead Crossing pending for Joint Checking

SN	Section	Railway Location	Overhead Crossing between	System Voltage	Concerned Supply Authority
1	Tilak Bridge-Sahibabad	1532/5G-1532/9G	I.P. - Pragati	220 KV	DTL
2	-do-	1532/15-17	I.P. - Sarita Vihar	220 KV	DTL
3	-do-	-do-	I.P. - Sarita Vihar	220 KV	DTL

4	-do-	2/25G-2/27G	I.P.- Patparganj	220 KV	DTL
5	-do-	2/27G-2/29G	Geeta Colony- Patparganj	220 KV	DTL
6	-do-	5/21G- 5/23G	Patparganj- Vivek Vihar	66 KV	BYPL
7	-do-	7/33G-8/1G	Patparganj- Vivek Vihar	66 KV	BYPL
8	Delhi- Shahdra	2/11-2/13	Geeta Colony- SOW	220 KV	DTL
9	Shahdra- Sahibabad	9/3-9/5	Vivek Vihar- Dilshad Garden	66 KV	BYPL
10	Azadpur- Adarsh Nagar	8/7-8/9	Azadpur- Tri Nagar	33 KV	TPDDL
11	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. 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. Engineer/OHE/Tughlakabad Mob.No.-9717632847	Sh.Shyam Lal ADEE/TRD/Faridabad Mob.No.-9717632607
3.	Badli-Narela	Sh.Sanjay Uppadhyay Sr. Engineer/OHE/Narela Mob.No.-9717648532	Sh.C.K. Keshav ADEE/TRD/New Delhi Mob.No.-9717631312
4.	Shakurbasti- Bahadurgarh	Sh.Pramod Kumar Sr. 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	

The following was deliberated and decided in the OCC meeting:-

(i)As informed by Mgr.(T)220kV O&M E-2 Patparganj, the joint site inspection of DTL 220kV lines as mentioned at S.No.-5 & 8 have already been carried out in coordination with the railways representatives.

(ii)As informed by Mgr.(T)220kV O&M E-1 Pragati, the joint site inspection of DTL 220kV lines as mentioned at S.No.-4 have already been carried out in coordination with the railways representatives. It was further informed that as discussed with the railways representative, the 220kV line as mentioned at S.No.-1 need not be inspected as the Railways line beneath the transmission line is not in operation.

(iii)The nodal officer for DTL 220kV lines as mentioned at S.No.-2 & 3 for joint site inspection will be Sh. Subhash Chandra Jha, AM(T)Mtc.-Sarita Vihar, Mob.No.-9999533961.

(iv)The nominations from Discoms for joint site inspection will be as under:-

S.No.	Name of officer	Organization	Mob. No.
1.	Sh. Hemant Verma	BRPL (South)	9313403994
2.	Sh. Dhananjay Varshney	BRPL (West)	9350261072
3.	Sh. Neeraj Jain	BYPL	9313482486
4.	Sh. Lalit Shah	TPDDL	9560493776

(v)OCC further opined that the joint site inspection be carried out on top priority manner in order to ensure safety of Railways corridor.

Northern Railways Representative could not attend the OCC meeting to discuss the issue.

5.2 Removal of abandoned crossing: -

Northern Railways vide their letter dt.-17.11.2016 have informed that one no. 33 KV crossing, pertaining to TPDDL, between Daya Basti- Shakur Basti is abandoned since long. This crossing should be removed at the earliest to avoid any failure of this crossing and further damage to Railway traction system.

Northern Railways Representative could not attend the OCC meeting to discuss the issue.

6.0 Permission for installation of communication equipment in DTL premises (BYPL Agenda Point)

As per OCC meeting dt. 04.05.16, BYPL submitted request for permission to install BYPL equipment like network rack, tower etc for new Link connectivity for FRTUs installed in the DTL grids.

BYPL requested DTL to provide update on the status of request/permission for the same, as the FRTU communication equipment installed presently are outdated and are not working as required for BYPL Operations.

During the OCC meeting dt.30.08.16, BYPL informed that they have not submitted any request letter to Director (Operations), DTL till date. OCC again advised BYPL to request

DTL at the earliest for further necessary action. OCC further advised DTL and BYPL to explore the possibility of communication of 11kV feeders in similar way to that of 66kV and 33kV feeders.

During the OCC meeting dt.-28.09.2016, BYPL informed that they shall write a request letter to Dir(Oprns.), DTL for further process and action. OCC had advised TPDDL and BRPL to proceed in the similar way as BYPL for installation of communication equipment in DTL premises.

During the OCC meeting dt.-28.10.2016, it was deliberated that DTL will examine the case after receiving the request letter and will revert back to BYPL on this issue after deliberation with competent authority.

During the OCC meeting dt.-28.11.2016, it was deliberated that BYPL should coordinate with Sh.Parvez Khan, Mgr.(Communication), DTL, Mob. No.-9999533922.

7.0 Regarding ownership of equipments installed at 220kV S/Stn BBMB Delhi (BBMB agenda)

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 the 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 the BBMB **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.

TPDDL informed that they are searching their records available with them and shall revert back by 15.12.2016.

OCC decided to further consider the issue in next meeting.

8.0 Shutdowns

8.1 Proposed shutdowns of O&M, DTL

DTL, O&M deptt. has proposed the planned shutdowns for the month of December, 2016 as per enclosed Annexure.

After deliberation by the OCC, the shutdowns were approved with some minor change in timings and subject to real time and conditions. The duly approved shutdown list is enclosed as annexure.

8.2 Proposed shutdowns of DTL Project Deptt.

DTL, Project deptt. has proposed the planned shutdown at 220kV Lodhi Road as per the following details:-

S. No	Date	Time	Name of Equipment	Work to be carried out	Remarks
1.	17/12/2016 (Saturday)	06.00 Hrs to 12.00 Hrs	220 kV Ckt-2 /Line-2 Lodhi Road to Maharani Bagh S/stn	To carry out dismantling work of 3nos. 220kV CVTs along with supporting structures in 220kV bay no. 2 at Lodhi Road 220/33kV S/Stn.	100 MVA Tr. no. 2 to be out during the shutdown period. Load may be transferred to 100 MVA Tr. no. 1. Note-After dismantling of these CVTs, the new foundations are to be constructed for 220kV cable end terminations for connecting upcoming 220kV GIS through 220kV cable at Lodhi Road.

After deliberation by the OCC, the shutdowns were approved from 11:00 hrs. to 17:00 hrs.

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

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

S. No.	Element's Name	DISCO M/DTL	Date and Time of outage	Remarks/Status as on 28.11.16
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. SCADA work is in progress. Expected by next month.

3.	33kV RIDGE VALLEY - KHEBAR LINE CKT.-II	BRPL	31.01.16	GIS is commissioned. SCADA work is in progress. Expected by next month.
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. Expected by 15.12.2016.
6.	33kV Okhla-Balaji Ckt.-II	BRPL	14.11.16	R-Ph single cable faulty Expected by 10.12.2016.
7.	20MVA Pr.Tr.-2 at Andheria Bagh	BRPL	17.11.16	Energized on 25.11.2016.
8.	11kV Half Busbar towards Pr. Tr.-2 at NDSE	BRPL	21.11.16	UNDER SHUT DOWN Expected by 7.12.2016
9.	20MVA Pr.Tr. at G-6 PPK	BRPL	22.11.16	LT side single cable faulty Expected by 10.12.2016
10.	66kV Bus coupler at G-15 Dwarka	BRPL	22.11.16	CT Blast, Expected by 20.12.2016
11.	G-4 PPK-PPK-2 Ckt.-2	BRPL	22.11.16	Energized on 23.11.2016.
12.	33kV ROHTAK ROAD - MADIPUR CKT.	BRPL	28.05.16	CABLE FAULTY. DIGGING PERMISSION AWAITED.
13.	66kV SAGARPUR - REWARI LINE CKT.	BRPL	30.07.16	'B' PH. CABLE FAULTY. DIGGING PERMISSION AWAITED.
14.	30MVA PR.TR. AT NANGLOI	BRPL	18.08.16	UNDER SHUT DOWN. Expected by 31.12.2016
15.	20MVA PR. TR. -III AT BINDAPUR	BRPL	10.11.16	UNDER SHUT DOWN. Expected by 10.12.2016
16.	33KV ROHTAK ROAD-SB MILLS CKT-1	BRPL	19.11.16	SINGLE CABLE FAULTY. Energized on 24.11.2016.
17.	20MVA PR.TR.-3 AT PASHIM VIHAR	BRPL	21.11.16	UNDER SHUT DOWN. Expected by 20.12.2016.
18.	33KV OKHLA-NEHRU PLACE CKT.-4	BRPL	21.11.16	SINGLE CABLE FAULTY. Energized on 23.11.2016.
19.	33KV PPG-CBD SHAHDARA	BYPL	29.10.16	Y-PH SINGLE CABLE FAULTY. Energized on 24.11.2016.

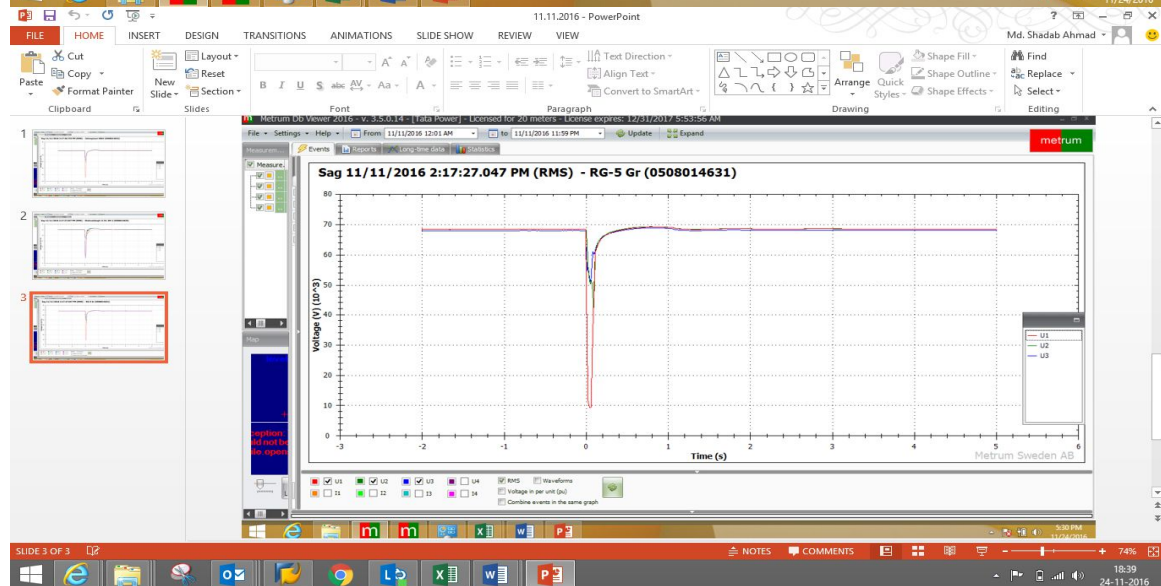
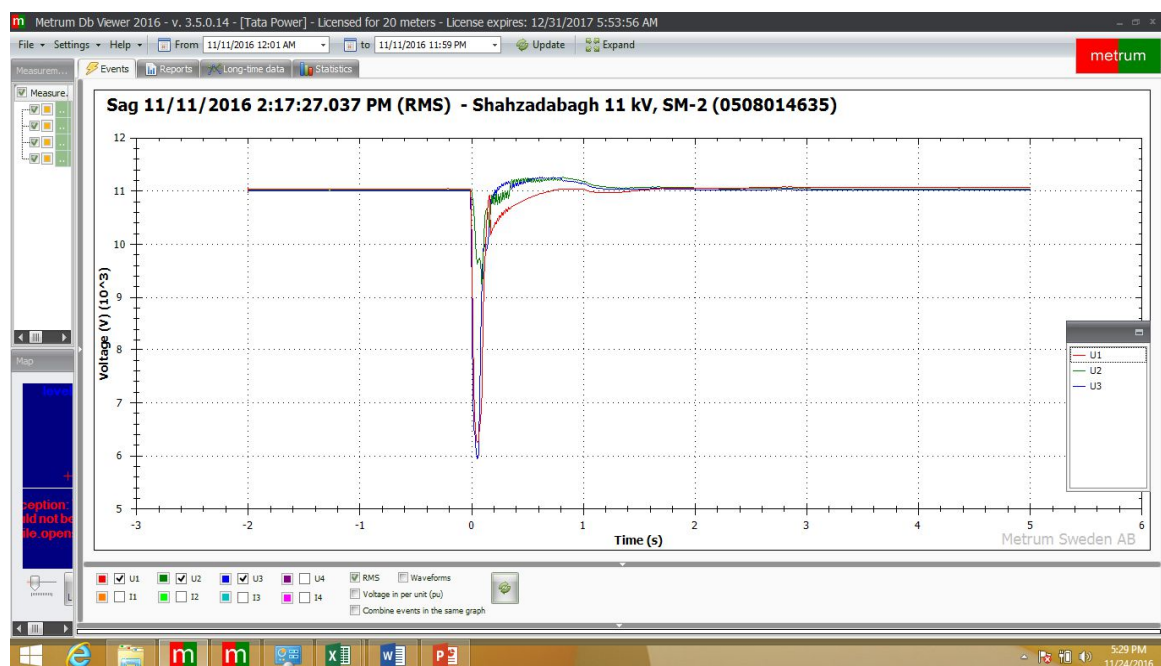
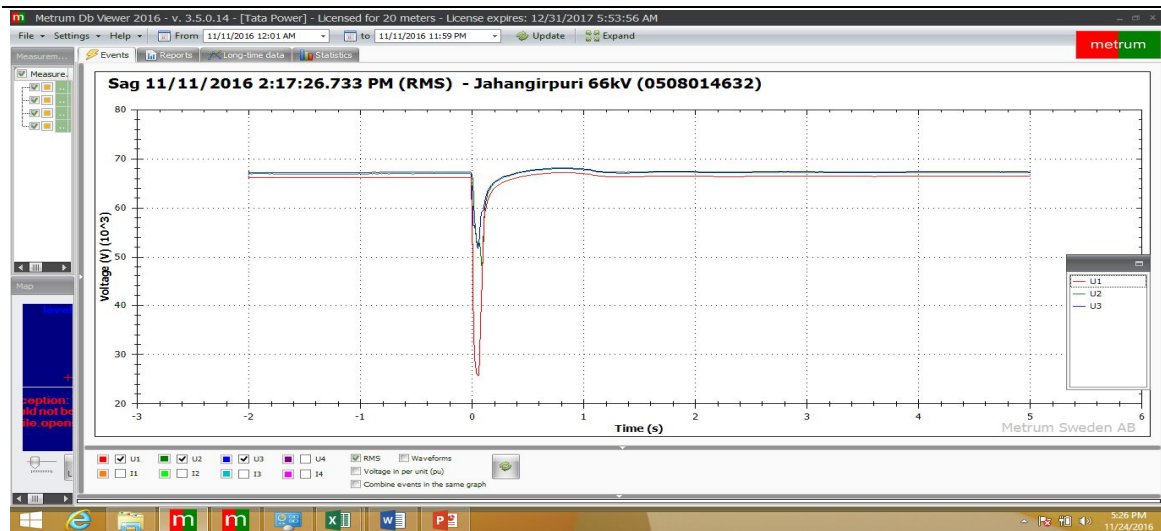
20.	33KV PANDAV NAGAR - DMS CKT.	TPDDL	03.04.16	PROBLEM IN RMU. Expected by 31.12.2016.
21.	400kV BAMNAULI - JHAKTIKARA CKT.-I	DTL	22.05.16	Tower erection work is yet to be started. In process of tendering.
22.	220/66kV 100MVA PR.TR.-III AT 220kV PPK-I	DTL	04.09.16	HV SIDE 'Y' PH. WINDING DAMAGED. Expected by 15.01.2017.
23.	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 15.01.2017.
24.	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 repair by OEM.
25.	220kV Bus coupler at Vasant Kunj	DTL	17.11.16	R-PH. POLE DAMAGED.

Additional Agenda of TPDDL discussed in OCC meeting dt.-28.11.2016

1.0 Permission for installation of communication equipment in DTL premises: TPDDL is constantly following up with DTL authority for getting permission for installation of communication equipment in DTL premises but we still not able to get permission for the same. TPDDL had already sent letter to Director (Operation) through e-mail and courier on dated 21st October 2016, but we did not get any reply from their side. **It is requested to kindly suggest the procedure of taking permission.**

It was conveyed that TPDDL should coordinate with Sh. Parvez Khan, Mgr.(Communication), DTL, Mob. No.-9999533922.

2.0 Grid Disturbance observed on dated 11.11.2016 at 14:17 hrs: Heavy instantaneous Voltage sag is observed in TPDDL area on dated 11.11.2016 at 14:17 hrs. Due to this some appliances installed in consumer premises got affected. The same is also conveyed to SLDC at the same time. Disturbance is also observed in our meters installed at different substation. Voltage graph is attached below. **It is requested to DTL and SLDC to investigate and take corrective measure.**



SLDC informed that no abnormality observed in 220kV and 400kV system during the time.

3.0 High Voltage issue in different 220kV Substation: During winter month to handle issue of high voltage, TPDDL has taken below initiative:

- a) All Shunt Capacitor has been switched off
- b) Tap of Power Transformers are kept at 2
- c) 6 number of 66kV circuit is switched off.

It is also to be noticed that tap position of Transformer at 220kV Substation is also reduced to 3. But after taking all these efforts we are still unable to serve our consumer at permissible voltage due to high source end voltage. **So it is requested to reduce Tap position of 400kV/220kV Transformer installed at 400kV Bawana to get acceptable voltage.**

DSIDC Narela -2 Grid 66 KV side voltage data (DSIDC BAWANA DTL)			
Day	Maximum Voltage	Minimum Voltage	average Voltage
19.11.2016	70.00	66.00	68.11
20.11.2016	70.00	66.00	68.19
Sector-23 Rohini Grid 66 KV side voltage data (KANJHAWLA DTL)			
Day	Maximum Voltage	Minimum Voltage	average Voltage
19.11.2016	69.12	66.00	67.17
20.11.2016	69.27	65.83	68.06
Jahangirpuri Grid 66 KV side voltage data (GOPALPUR 66 KV DTL)			
Day	Maximum Voltage	Minimum Voltage	average Voltage
19.11.2016	70.93	66.64	68.78
20.11.2016	71.29	66.98	69.21

During the OCC meeting, it was informed by SLDC that required measures for controlling the high voltage have already been taken including switching off the various 220kV U/G XLPE cables and reducing the transformer tap position at various 220kV Sub-Stns.

Additional Agenda by SLDC for Delhi OCC Meeting to be held on 28.11.2016

1. Closure of running unit of BTPS from 07.11.2016 onwards – Certification of DC.

DPCC has issued direction vide their letter no. F. No. DPCC/WMC-II/BTPS/2015/313-326 dt. 06.11.2016 and File No. DPCC/WMC-II/BTPS/2015/1925-36 dt. 16.11.2016 to close down all its units with immediate effect for next ten days (upto 16.11.2016) which was again extended to 31.01.2017.

Accordingly the running unit of BTPS 210MW (i.e. Unit #4) has been closed down on 06.11.2016 at 17.14hrs. Delhi SLDC has been certifying the DC of only two units of 210MW each against the DC declaration of full availability of all units. This has been challenged by NTPC vide petition no. 33/MP/2016 before CERC. CERC has not yet decided the issue.

BYPL vide their letter dt. 23.11.2016 has requested SLDC to consider DC of BTPS as zero since all units are not capable of generation due to stipulation of pollution control authority.

It has already been brought out in various fora in CEA, Standing Committee on Power System Planning, State Steering committee etc that the running of 2x210MW units is essential till the commissioning of 400kV Tuglakabad Grid s/stn and its 220kV outlets particularly during summer season due to existing network constraints around BTPS.

In view of above SLDC has continuously been certifying DC of 2 units of 210MW i.e 360MW (ex-bus).

OCC may deliberate and take decision on the issue of declaration of DC by SLDC.

The following was deliberated in the OCC meeting dt.-28.11.2016:-

It was informed by SLDC that the sole running unit of BTPS was closed down as one of the measures to curb air pollution level of Delhi on 06/11/2016 at 17:15 Hrs. on the direction of Delhi Pollution Control Committee(DPCC), The earlier direction of Delhi Pollution Control Committee(DPCC) was to close the unit upto 16.11.2016. Subsequently, on 16.11.2016 the closure of the unit of BTPS was extended upto 31.01.2017 by DPCC.

It was informed that BYPL vide their letter dated 23.11.2016 has requested SLDC to consider the DC of BTPC as Zero since all units are not capable of generation due to stipulations of DPCC. SLDC draw attention on definition of DC as stipulated in the CERC Tariff Regulations dated 21.02.2016 applicable for 2014-19 Tariff Block :

“Declared Capacity or DC in relation to a generating station means, the capability to deliver ex-bus electricity in MW declared by such generating station in relation to any time-block of the day as defined in the Grid code or whole of the day, duly taking into account the availability of fuel or water, and subject to further qualifications in the relevant regulation”.

The relevant ISGS 2010 Regulation indicating the declared capability is as under:

- 6.4.16 The ISGS shall make an advance declaration of ex-power plant MW and MWh capabilities foreseen for the next day, i.e., from 0000 hrs. to 2400 hrs. During fuel shortage condition, in case of thermal stations, they may specify minimum MW, maximum MW, MWh capability and declaration of fuel shortage. The generating stations shall also declare the possible ramping up/ramping down in a block. In case of a gas turbine generating station or a combined cycle generating station or a combined cycle generating station, the generating station shall declare the capacity for units and modules on APM gas, RLNG and liquid fuel separately, and these shall be scheduled separately.**
- 6.4.17 While making or revising its declaration of capability, except in case of Run Off the River (with up to three hour pondage) hydro stations, the ISGS shall ensure that the declared capability during peak hours is not less than that during other hours. However, exception to this rule shall be allowed in case of tripping/re-synchronisation of units as a result of forced outage of units.**
- 6.4.19 The ISGS shall be required to demonstrate the declared capability of its generating station as and when asked by the Regional Load Despatch Centre of the region in which the ISGS is situated. In the event of the ISGS failing to demonstrate the declared capability, the capacity charges due to the generator shall be reduced as a measure of penalty.**

From the above provisions of regulations, it is emerged out that basically the “Declared capacity” is the preview of generators. BTPS has been declaring the DC considering full availability of the stations i.e. 640MW ex-bus. But from 01.01.2016, SLDC was considering only one unit of 210 MW capacity available for generation upto 20.03.2016. DPCC directions dated 31.12.2015 stated that BTPS is directed u/s 37 of Air Act 1981 that it shall not operate the four units out of five units of plant upto 15.03.2016 except one existing unit of 210 MW which is under operation subject to meeting with the standard of Particulate Matter i.e. 50mg/Nm³. It was also directed that in case of exceeding the pollution level standard, BTPS shall not operate and liable to pay penalty for polluting the environment on Polluter Pay Principle. The matter shall be reviewed in the Ist week of March 2016 DPCC vide its Corrigendum dated 02.02.2016 of the above direction has reiterated that BTPS is directed u/s 37(A) of Air Act 1981 that it shall close down its 4 units out of 5 units upto 15.03.2016. The operation of the existing unit of 210MW, which is in operation is subject to the meeting with the standard of Particulate Matter i.e. 50mg/Nm³.....

The issue was again reviewed on 15.03.2016 wherein DPCC has revised the direction indicating BTPS is allowed to operate its two units of 210MW which have been retrofitted with additional Electrostatic Precipitators subject to meeting the standard of Particulate Matter i.e. 50mg/Nm³. The other three units of 3x95MW shall remain closed. Further BTPS shall be liable to pay penalty for polluting the environment “Polluter Pay Principle” and the standard of emission is violated.

Accordingly, in view of direction of DPCC, the DC of BTPS has been certified by SLDC of one unit i.e. 210MW from 01.01.2016 to 20.03.2016. From 21.03.2016, DC of two units was certified considering the fact indicating the direction that these two units were retrofitted with additional Electrostatic Precipitator to maintain emission under normal level.

The above decision of SLDC has been challenged by NTPC vide petition no. 33/MP/2016 before CERC and hearing is going on.

Thereafter on 06.11.2016, DPCC has issued the following directions to curb Air Pollution levels in Delhi “

- 1) That BTPS Station shall close down all its units with immediate effect for next 10 days (07.11.2016 – 16.11.2016).
- 2) That BTPS shall immediate stop the lifting of the fly ash from the fly ash storage area for any purpose with immediate effect for next 10 days (07.11.2016 – 16.11.2016).
- 3) That BTPS shall ensure the sprinkling of water on regular basis in the fly ash storage area and shall ensure that there is no fugitive emissions from the fly ash storage area.
- 4) That BTPS shall submit the compliance of the above directions immediately by return e-mail to DPCC (msdpcc@nic.in and ajeeta1@yahoo.com).

In case of non-compliance, action as per the provisions of contained under Section 37 of Air Act 1981 shall be initiated.

Subsequently vide DPCC direction dated 16.11.2016, the closure of all BTPS unit was extended upto 31.01.2017.

It was further clarified that due to the reduction in demand and considering the merit order despatch principle one of the running two units i.e. unit no. 5 has been closed down on 17.10.2016 at 21.11 hrs.

The other running unit has been closed down at 17:14 hrs on 06.11.2016 as per the directions of DPCC. It was also clarified that the content of latest direction of DPCC has never mentioned regarding the violation of pollution norms, but it has been advised to close the running machine to minimize the air pollution in Delhi. As such, SLDC Delhi is considering the availability of two units capable for generation. It was also clarified that while doing so the generator bound to make the units ready for generation as and when required. It was further emphasized that these units are required to be operated during crucial summer months from May to September till 400/220KV ISTS Tuglakabad and its outlets are commissioned.

NTPC representative clarified that DPCC's communications are statutory direction to NTPC and hence NTPC is constrained to keep all units of the Badarpur Thermal Power Station closed w.e.f. 06.11.2016 17:14 hrs upto 31.01.2017. It is further clarified that NTPC requires the DPCC's consent to operate under applicable law. They clarified that BTPS is ready and capable of generating power, but kept under shut down as the directions of DPCC over which NTPC has no control.

It was further clarified that units are capable of generating power and can be brought on bars as and when directed after due notice and start up time. They strongly pleaded for payment of fixed charges for the shutdown period in accordance with CERC Terms and Conditions of Tariff Regulation and Power Purchase Agreement.

PPCL representative supported the views of NTPC and observed that SLDC should certify the DC as claimed by BTPS as the present case is being the Forced measure condition.

Distribution Licenses univocally objected the submission of SLDC and BTPS and they were firm that in view of the direction of DPCC, the BTPS are not capable to generate power as such the DC should be Zero. They further requested OCC Forum to impress upon SLDC being neutral body to go as per provision of law and DC of BTPS should be Zero from the date of closure of the running unit. BRPL and TPDDL representatives also informed that they would also request SLDC formally in support of the request of BYPL

Since no consensus could be arrived though BTPS objected, OCC advised SLDC to seek advice from the Govt. of NCT of Delhi as was done in case of certification of DC of BTPS Station during last winter.

2 Scheduling of Bawana CCGT

PPCL vide their letter no. GM(T)/SGP/F.4/2016-17/170 dt. 17.11.2016 has requested SLDC to schedule 500MW generation at Bawana CCGT to obviate the penalty by GAIL as they could not consume the quantum of gas as per their allocation. SLDC in response to their request have urged for cost benefit analysis for the incremental generation to avoid the penalty. The response is still awaited from PPCL.

It was informed that in the meeting chaired by Director (Oprs) on 14.10.2016 the matter has not been brought by PPCL. It was decided to maintain 250MW ex bus generation upto 31.03.2016. It was also informed that the variable cost of Bawana CCGT (closed cycle) during this financial year is as under:

Month	Variable rate (Rs. /Kwh)
Apr. 2016	2.25

May 2016	2.51
Jun. 2016	2.67
Jul. 2016	2.74
Aug. 2016	2.87
Sept. 2016	2.73
Oct. 2016	2.31

It was intimated by Distribution companies that despite all out efforts of surrender of surplus power to the tune of more than 2000MW from different sources no power could be surrendered so far. This leads huge surplus power during off peak hours. Further, the scheduling responsibility of ISGS rests with NRLDC and scheduling is being done as per system requirement not as per the requirement of Delhi alone. Any incremental power would further lead to huge Underdrawal and penalty thereof. It was also considered that the incremental power of Bawana CCGT above 300MW would be much more than above mentioned variable cost of Dadri (Th) units. All possible steps such as closing of all machines except one unit at Dadri (Th)-I and one out of two units of Dadri (Th.) stage-II has been done.

Considering the above facts OCC advised SLDC to maintain the schedule of 250MW for Delhi discoms as decided in the meeting held on 14.10.2016.

The meeting ended with vote of thanks to the Chair.

NOTE:-The MOM of OCC meeting can also be seen on DTL website (www.dtl.gov.in) under the Tab “News and Information – OCC Meeting”.
