

DELHI TRANSCO LIMITED

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

AGENDA OF OCC MEETING DT. 01.09.2015

Date : 01.09.2015 (Tuesday)
Time : 3:00 PM
Venue : 220 KV Substation Park street

1.0 Confirmation of minutes of OCC meeting dt. 01.09.2015

Last OCC meeting was held on 01.09.15 in accordance with the agenda circulated vide letter /mail dt.05.08.15. Minutes of the aforesaid OCC meeting were issued vide letter/mail dt. 14.09.15.

Members may like to confirm the same.

2.1 Status of Installation of Capacitors – Study by Planning Deptt., DTL

DTL had entrusted CPRI to study the installation of shunt capacitors in Delhi system on the advice of OCC. Accordingly CPRI carried out the study for reactive power compensation in Delhi. Final report was submitted by CPRI and for its implementation; a copy of report had been emailed to all DISCOMs and GENCOs. SLDC convened a meeting with DISCOMs on dt. 18.02.15 to discuss on the Reactive Power Study report submitted by CPRI.

Planning department, DTL informed that comments from BRPL, TPDDL and BYPL have been received. Comments from NDMC have not yet been received even after repetitive reminders.

NDMC could not attend the meeting.DTL informed that the comments received from DISCOMs have been sent to M/s CPRI and the reply for the same has been received from them (Copy of the reply from CPRI is enclosed).

In the last meeting OCC advised DTL to conduct a final meeting with CPRI and stake holders for further necessary action.

DTL may update the status.

2.2 Status of Hot Reserve of transformers at all levels.

DTL updated the status of following hot reserves:

S. No	Capacity	Present population in nos.	Status of the hot reserve as on 13.08.15
1.	220/66kV, 160MVA Tx	18	DTL informed the work has been awarded to M/s Kanohar. Completion period is 5 months from date of

			award of work i.e. by the end of September, 2015.
2.	220/66kV, 100MVA Tx	41	DTL informed that indent has been sent for 220/66/33kV 100MVA Tx as hot reserve at 220kV Patparganj Substation.
3.	220/33kV, 100MVA Tx,	36	

DTL may update the status.

2.3 Long/Recent outage of Elements in Delhi power system as on 11.08.2015 at 08:00 Hrs.

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

S. No.	Element's Name	DISCOM/ DTL	Date and Time of outage	Remarks/ Status as on 11.08.2015
1	33kV BAY -3 (IP – Kilokri)	BRPL	22.02.11	Clearance from Railways for laying of Underground cables near Bhairon Road is pending.
2	66kV Vasant Kunj – Ridge Valley Ckt.-II ('Y' Ph. Cable)	BRPL	13.01.14	BRPL informed that contract is to be awarded for laying new cable.
	33kV RIDGE VALLEY - KHEBAR LINE CKT.-I	BRPL	08.02.15	Breaker faulty. To be revamped by including in GIS.
4.	33kV ½ BUS BAR AT IIT	BRPL	17.07.15	Expected by 15.09.15
5.	33kV IIT - MASJID MOTH - T-OFF ADCHINI CKT.	BRPL	18.07.15	Breaker faulty. Expected by 15.09.15
6.	66kV PPG INDL. AREA - KHICHRIPUR CKT.-II	BYPL	03.05.15	R phase Cable faulty. Expected by 15.09.15
7.	66kV HARSH VIHAR(400kV)-GONDA CKT.-II	BYPL	07.08.15	'B'PH. CABLE FAULTY. Expected by 16.08.15
8.	66kV GOPALPUR(220kV)-JAHANGIRPURI CKT.-II	TPDDL	05.08.15	'B'PH. CABLE FAULTY. Expected by 20.08.15
9.	33kV VIDYUT BHAWAN - SCHOOL LANE CKT.	NDMC	14.05.15	Y-Phase faulty. Expected by 20.07.15. NDMC could not attend the meeting.
10.	220kV MAHARANI BAGH - ELECTRIC LANE CKT.-II	DTL	17.04.15	Cable faulty during digging by MTNL. Expected by the end of August, 2015
11.	400kV BAMNAULI - JHATIKARA CKT.-I	DTL	27.05.15	Joint Box burnt. Expected by 30 th August, 2015

DTL and Discoms may update the status.

2.4 Phasing out of 66/33kV, 30MVA Power Transformer at 220kV Narela Substation.

DTL informed that the said transformer is currently being utilized for feeding only 01 No. 33kV Circuit i.e. Khampur of TPDDL since 2010. 2nd feeder namely Haiderpur is under B/D since long time. Due to shortage of space in 66KV yard, the transformer is on single bus selection and the

same needs to be switched 'OFF' during bus maintenance activities. Further, the transformer is placed adjacent to 20MVAR capacitor bank and thereby always remains in risk of fire during failure of any capacitor unit / cell. Further, the transformer has already lived its useful life period of 25 years successfully as per DERC guidelines and is now under *outlived* condition.

In view of all above, DTL proposed for phasing out of 30MVA, 66/33KV power transformer along with 33KV yard equipments has been initiated in the year 2010. The case has been examined / approved by the Planning Deptt. and put up in OCC accordingly. OCC recommended for consideration of the matter in Steering Committee, in which approval has also been provided for shifting of 33KV load from Narela end by TPDDL.

The subjected transformer has developing acetylene gas during DGA testing, the concentration of which is increasing day by day which indicates some internal high temperature fault. The overhauling / internal inspection of transformer at this stage is not economically feasible (being outlived) and the same may be required to be taken out of service at any time.

During the meeting dt. 08.06.15, OCC advised DTL to carry out internal inspection and dehydration of the transformer and outage for the same shall be provided by TPDDL.

DTL informed that the internal inspection by BHEL i.e. OEM is under the process of order. OCC informed DTL and TPDDL that action taken will be carried out based on the internal inspection report submitted by M/s BHEL.

DTL and TPDDL may update the status.

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

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

During meeting dt.07.07.15, OCC advised TPDDL and DTL to have joint inspection visiting TPDDL's first switching substations to check protection system and back-feeding provision.

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

- During the joint inspection, it has been confirmed by TPDDL that no back feed provision has been available for 6 nos. 11kV feeders emanating from 220kV Kanjhawla Substation.
- Protection co-ordination of 11kV system of DTL and TPDDL to be checked.
- As the first switching substation for 11kV ABC Rani Khera is at around 4Kms., the same needs to be shifted near to 220kV Kanjhawla Substation.
- Problem in RMU breaker of 11kV U/G Kanjhawla.

- Reason for frequent tripping of 11kV SOS Bawana feeder.

TPDDL informed that they shall inform the action taken on the aforesaid issues during the next OCC meeting.

TPDDL may update the status.

2.6 Non-Reliable Supply from Dedicated Connection at DTL, 220KV GIS Sub-Station Maharani Bagh under MLHT category.

DTL informed that due to frequent failure of supply from O/H feeder at 220kV S/Stn. Maharani Bagh and to resolve the power Supply problem at this station, it was decided to get uninterrupted power supply through dedicated connection from BSES. Accordingly, payment of Rs. 15089353/- was made by SSC-II Division DTL to BSES Rajdhani Power Ltd. in April 2009 for providing 11 KV double connection under MLHT category at 220KV GIS S/Stn. Maharani Bagh, i.e. one supply from the available O/H 11KV line and other one dedicated supply direct from Kilokari Grid.

Dedicated supply connection from Kilokari Grid via CNG filling station Sarai Kale Khan was completed by BRPL in 2013, but un-interrupted power supply from this dedicated feeder (U/g cable) could not be achieved as supply failed 118 times (78Hrs.) during the period from April 2013 – March 2014, 87 times (505 Hrs.) during the period April 2014- March 2015 and 22 times (14 Hrs.) from April 2015-till date. A lot of jerks & voltage Fluctuations were also been observed and it is not good for smooth functioning of auxiliary system of the substation and very importantly the S/Stn. data which needs to be send to SLDC, Minto Road for real time data monitoring also gets effected.

DTL further informed the selection of HT switchgear of 11KV feeder and back feeding of O/H feeder / underground cable feeder from 11KV HT switchgear at Maharani Bagh S/Stn. are being frequently made by BSES staff as per their requirement.

DTL requested that the intent of 11KV dedicated supply connection may be completed by providing the supply direct from Kilokari Grid to Maharani Bagh Substation without tapping/termination from this dedicated feeder to avoid any disturbances due to frequent failure of LT supply.

BRPL informed that they will provide 11kV Dedicated supply connection at 220kV Maharani Bagh Grid within one month. OCC further advised BRPL to ensure the reliability of supply at 220kV Maharani Bagh Substation.

BRPL may update the status.

2.7 Intimation regarding tripping of 220kV Transmission Lines at BTPS end.

DTL informed that as and when tripping of 220kV Transmission lines occurs from BTPS end, the same information is not being available with DTL Substation In-charge.

In this regard, DTL requested BTPS to provide the information on tripping of 220kV Lines feeding DTL substations.

OCC advised BTPS to ensure the communication regarding trippings occurred on 220kV Lines BTPS end be provided to Delhi SLDC and DTL substation in-charge. Further, DTL requested BTPS to provide DR to OS department of DTL through mail at osdata.dtl@gmail.com as and when 220kV Line trips on distance protection from their end.

BTPS- OKHLA ckt tripped on 26/08/2015 but no DR has been provided by BTPS as agreed in earlier OCC meetings. So BTPS may be requested to provide the DR whenever the tripping of DTL line occurs.

2.8 issue of Temporary LT connection From NDMC and sewer line AIIMS Trauma Centre and Electric Lane are pending. DTL have submitted the security and Document to NDMC.

NDMC may update the status.

3.0 11 KV tripping at 220 KV S/Stn. Najafgarh

The issue of regular tripping of all the 12 nos. 11 KV feeders emanating from 220 KV S/Stn Najafgarh has been placed in the Agenda of OCC meetings successively but without any result. In the last OCC meeting held on 10.06.2015, the issue had been racked up but no heed has been paid by BRPL West. Although, the matter has also been rigorously pursued through E-mails to my counterparts in BRPL for a joint inspection with respective protection departments but to no avail.

The chronology in this regard is also placed in the file. It is pertinent to note that on 29.07.2015 Protection Deptt. of BRPL West turned up at 220 KV S/Stn. NJF for protection setting of 11 KV outgoing 7 panel board feeder. However, to the utter dismay they did not work out on protection issues but only cosmetic checking of the sub/station (11 KV S/stn.) of BRPL had been carried out and copy of the job card is also placed at CS side.

This speaks that BRPL authorities are not at all keen to set right the protection system from the first switching stations to which the feed is given from 220 KV S/stn. NJF. This results in frequent tripping of all the 11 KV feeders whereby reducing the life the switchgear alongwith putting constraints on the 20 MVA, (3 nos) transformers installed at NJF sub/station.

Therefore, this agenda may please be placed before the next OCC meeting so that a joint inspection with respective Planning departments of BRPL and DTL can collectively planned, which may set right the protective system at least at first switching station in the close proximity of 220 KV Sub/stn NJF.

May please forward to GM (O&M)I for placing the subject issue in the forthcoming OCC meeting.

4.0 IPGCL/PPCL agenda: Scheduling of power from pragati power station.

During the year 2015-16 since April frequent start-stop of the units have carried out by SLDC instructions at PPS-1. The details is under

Unit stopped by SLDC for low demand					
1	Unit	Outage	Revival	Total	Reason of outage with details
	No	Time/date	Time/date	Hrs.	
2	GT#2	00.00 hrs	07.47 hrs	439.78	Continued outage.....(GT#2 stopped as desired by System)
		01.04.2015	19.04.2015		
3	GT#1	11.00 hrs	05.54 hrs	18.90	GT#1 Stopped as desired by System.
		19.04.2015	20.04.2015		
4	GT#2	00.00 hrs	08.44 hrs	56.73	GT#2 stopped as desired by SLDC.
		16.05.2015	18.05.2015		
5	GT#2	04.01 hrs	10.05 hrs	6.07	GT#2 stopped as desired by SLDC.
		20.05.2015	20.05.2015		
6	GT#2	15.46 hrs	10.47 hrs	67.01	Continued outage as desired by SLDC..
		13.06.2015	16.06.2015		
7	GT#2	09.34 hrs	10.29 hrs	24.91	GT#2 stopped as desired by SLDC.
		21.06.2015	22.06.2015		
8	GT#2	06.45 hrs	14.05 hrs	31.33	GT#2 stopped as desired by SLDC.
		25.06.2015	26.06.2015		
9	GT#2	00.05 hrs	10.18 hrs	10.22	GT#2 stopped & started as desired by SLDC.
		07.07.2015	07.07.2015		
10	GT#2	09.15 hrs	17.58 hrs	91.72	GT#2 stopped & started as desired by SLDC.
		11.07.2015	15.07.2015		
11	GT#2	10.45 hrs	10.10 hrs	47.42	GT#2 stopped & started as desired by SLDC.
		19.07.2015	21.07.2015		
12	GT#2	21.30 hrs	16.08 hrs	18.63	GT#2 stopped & started as desired by SLDC.
		22.07.2015	23.07.2015		
13	GT#1	23.30 hrs	11.00 hrs	59.50	GT#2 stopped & started as desired by SLDC.
		22.07.2015	25.07.2015		
14	STG	23.30 hrs	18.07 hrs	18.62	Total Station shut down for 16 Hrs.
		22.07.2015	23.07.2015		
15	GT#1	18.45 hrs	24.00 hrs	149.25	GT#1 outage continued..... as desired by SLDC.
		25.07.2015	31.07.2015		
16	GT#1	00.00 hrs	11.51 hrs	11.85	GT#1 outage continued..... as desired by SLDC.
		01.08.2015	01.08.2015		
17	GT#2	14.07 hrs	08.47 hrs	42.66	GT#2 Stopped and started as desired by SLDC.
		01.08.2015	03.08.2015		
18	GT#1	10.20 hrs	19.13 hrs	80.89	GT#1 stopped & started as desired by SLDC.
		09.08.2015	12.08.2015		

19	GT#2	10.15 hrs	06.08 hrs	19.88	GT#2 stopped & started as desired by SLDC.
		09.08.2015	10.08.2015		
20	STG	10.20 hrs	11.58 hrs	25.64	Total Station shut down for 20 Hrs
		09.08.2015	10.08.2015		
21	GT#2	10.45 hrs	08.30 hrs	45.75	GT#2 stopped & started as desired by SLDC.
		15.08.2015	17.08.2015		
22	GT#1	00.48 hrs	10.52 hrs	202.07	GT#1 stopped & started as desired by SLDC.
		16.08.2015	24.08.2015		
23	STG	00.48 hrs	14.34 hrs	37.77	Total Station shut down for 31 Hrs
		16.08.2015	17.08.2015		
24	GT#2	23.14 hrs	16.31 hrs	65.28	GT#2 stopped & started as desired by SLDC.
		23.08.2015	26.08.2015		
25	STG	23.14 hrs	14.55 hrs	15.68	Total Station shut down for 9 Hrs
		23.08.2015	24.08.2015		
Unit stopped for switchyard maintenance					
1	STG	05.13 hrs	09.05 hrs	3.87	STG stopped as desired by DTL to attend Hot Spot.
		06.05.2015	06.05.2015		
2	GT#1	09.13 hrs	12.22 hrs	4.15	GT#1 stopped as desired by DTL to attend Hot Spot.
		06.05.2015	06.05.2015		
3	GT#1	07.21 hrs	17.13 hrs	9.87	GT#1 stopped as desired by DTL for switchyard maintenance.
		10.05.2015	10.05.2015		
4	STG	16.48 hrs	18.42 hrs	1.90	-do-
		10.05.2015	10.05.2015		
5	GT#1	15.25 hrs	11.08 hrs	43.71	GT#1 stopped as desired by DTL to attend Hot Spot.
		03.06.2015	05.05.2015		
Unit tripped on grid disturbance					
1	GT#1	04.37 hrs	08.37 hrs	4.00	GT#1 tripped due to Grid Disturbance.
		28.05.2015	28.05.2015		
2	STG	04.37 hrs	07.26 hrs	2.82	STG tripped on Grid Disturbance
		28.05.2015	28.05.2015		
3	GT#1	14.40 hrs	15.46 hrs	1.10	GT#1 tripped on Grid Disturbance
		13.06.2015	13.06.2015		
4	STG	15.12 hrs	16.47 hrs	1.58	STG tripped on Grid Disturbance
		13.06.2015	13.06.2015		
5	GT#2	15.12 hrs	15.46 hrs	0.57	GT#2 tripped due to Grid Disturbance
		13.06.2015	13.06.2015		
6	GT#1	20.11 hrs	21.20 hrs	1.15	GT#1 tripped on Grid Disturbance
		04.07.2015	04.07.2015		
7	STG	20.11 hrs	21.42 hrs	1.52	STG tripped on Grid Disturbance
		04.07.2015	04.07.2015		

1. The operating heat rate during the July & Aug '2015 is 2030 Kcal/kwh and 2055 kcal/kwh respectively against the normative of 2000Kcal/Kwh. There is considerable loss Rs. 4.12 Cr during July & Aug'2015 by generating 150 MU and 100 MU on such conditions. Thus taking direct commercial hit for meagre savings by discoms.
2. There are incidents during which total station was shut down by stopping all the units by SLDC as per recommendation of DISCOMS, However, variable cost of generation of Rs. 2.80/unit is on half module operation. The operational difficulties lie with starting of steam turbine in cold start up and there is considerable loss during startup of unit in Open cycle as well as heat rate.
3. Pragati Power Station is having sufficient tie up of domestic gas allocation through GAIL for base load operation of the plant, however due to less supply of domestic gas from ONGC, a long term contract of 0.2mmscmd of RLNG was signed with GAIL having 90% take or pay obligation.
4. The domestic gas allocation having variable cost of Rs. 2.80 /unit is more than sufficient to operate half module at base load for 365 days. However the scheduling of full module at base load or at 265 MW may be done for PPS-1 to avoid the MGO charges by consuming MGO quantity of RLNG. The upto date statement of RLNG consumption shall be communicated to SLDC for win win situation for all entities.

On the above facts, it is submitted the following

1. Pragati power station is having gas turbines operating in combined cycle mode with waste heat recovery steam turbines to be operated continuously for which they are designed for. It is requested not to stop steam turbine operating in combined cycle mode in half module at least.
2. The scheduling of power shall be done on the cost of generation on the day basis considering the availability of gas rather one month old COG merit order.
3. Half module of 1GT and STG to be scheduled for 365 days having sufficient domestic gas @variable cost of Rs. 2.80/unit at present without any extra transmission charges, taking the efficient machine in service as per plant request presently its GT#1.
4. To Avoid MGO of RLNG of PPS-1 scheduling may be done for running both the units to consume MGO quantity of RLNG depending upon the grid conditions.

Members may deliberate the issue.

5. Proposed Shutdowns

5.1 DTL Proposed the following Shutdowns at 220KV DSIDC Bawana S/Stn.

S.No.	Name of Bay	Work to be carried out	Date	TIME (FROM)	TIME (TO)	Area to be affected
1	20 MVA Tr.-III with 66kV Bus-II	Alignment of Bus-II isolator & Hot Point	05:09:15	6.00 Hrs	11.00 Hrs	Will be Managed by TPDDL
2	66 KV DSIDC-II Narela Ckt-I with Bus-I	To attend hot points	05-09-2015	12:00 Hrs	16:00 Hrs	Will be managed by S/O
3	66 KV DSIDC-II Narela Ckt-II with Bus-I	To attend hot points & alignment of bus isolator.	12-09-2015	6.00 Hrs	11.00 Hrs	Will be managed by S/O
4	66 KV Bawna Sector-I Ckt-I with 66 KV Bus-II	To attend hot points	12.09.15	12.00 Hrs	16.00 Hrs	Will be managed by S/O
5	66 KV Bawna Sector-I Ckt-II with 66 KV Bus-II	To attend hot points	19.09.15	6.00 Hrs	10.00 Hrs	Will be managed by S/O

5.2 DTL Proposed the following Shutdowns at 220KV Patparganj S/Stn. for replacement of 245KV outlived CB.

S.NO	Date of S/D FROM	SHUTDOWN FROM	SHUTDOWN UPTO	Time of S/D TO	NAME OF FEEDER/EQUIPMENTS	WORK TO BE CARRIED OUT DURING S/D
1	07.09.2015	09.00 AM	10.09.2015	5:00 PM	100MVA, 220/33KV TRANSFORMER NO-IV	REPLACEMENT OF OUTLIVED 245KV CIRCUIT BREAKER AND TAN-DELTA TESTING
2	12.09.2015	09.00 AM	15.09.2015	5:00 PM	100MVA, 220/33KV TRANSFORMER NO-III	-DO-
3	17.09.2015	09.00 AM	20.09.2015	5:00 PM	220KV GEETA COLONY CKT-I	-DO-
4	21.09.2015	09.00 AM	24.09.2015	5:00 PM	220KV GEETA COLONY CKT-II	-DO-
5	26.09.2015	09.00 AM	29.09.2015	5:00 PM	220KV I.P. CKT-I	-DO-

6	03.10.2015	09.00 AM	06.10.2015	5:00 PM	220KV I.P. CKT-II	-DO-
7	08.10.2015	09.00 AM	11.10.2015	5:00 PM	220KV BUS-COUPLER	-DO-
8	13.10.2015	09.00 AM	16.10.2015	5:00 PM	220KV GAZIPUR	-DO-

5.3 DTL Proposed the following Shutdowns at 220KV Kashmere Gate S/Stn.

S.NO	Date of S/D FROM	SHUTDOWN FROM	SHUTDOWN UPTO	Time of S/D TO	NAME OF FEEDER/EQUIPMENTS	WORK TO BE CARRIED OUT DURING S/D
1	03.09.2015	09.30 AM	10.09.2015	13:00	100MVA, 220/33KV TRANSFORMER NO-II	C& Tan Delta testing
2	08.09.2015	09.30 AM	08.09.2015	11:00	16MVA Tr	IR & winding resistance test

5.4 DTL Proposed the following Shutdowns at 220KV Kanjawalan S/Stn.

S.No	Name of Feeder/ Equipment	Date	Time	Work to be carried	Area affected
1	66 KV I/C No-2 with 66 KV Bus-2	02.09.2015	06:00 Hrs to 09:00 Hrs	To attend "R" phase line isolator clamp and alignment problem of bus -2 "Y" phase isolator	Not affected. Load to be shared by 66 KV I/C No-1
2	11 KV I/C No-1 along with bus 1	4.09.2015	06:00 Hrs to 09:00 Hrs	For general mtc work	Load to be shared by I/C No-2 and Load to be managed by TPDDL
3	11 KV I/C No-2 along with bus 2	08.09.2015	06:00 Hrs to 09:00 Hrs	For general mtc work	Load to be shared by I/C No-1 and Load to be managed by TPDDL

4	20 MVA T/R No-1	15.09.2015	06:00 Hrs to 09:00 Hrs	For general mtc work	Not affected. Load to be shared by 20 MVA T/R No-2
5	20 MVA T/R No-2	18.09.2015	06:00 Hrs to 09:00 Hrs	For general mtc work	Not affected. Load to be shared by 20 MVA T/R No-1

5.5 DTL Proposed the following Shutdowns at 220KV Shalimarbagh S/Stn.

s.no	name of the element	DATE OF SHUT DOWN	PURPOSE
1.	100 MVA POWER TRANSFORMER 1	08.09.15 & 09.09.2015	TO REPLACE BUSHING SHOWING HIGH Tan DELTA VALUE

5.6 DTL Proposed the following Shutdowns at 220KV South of Wazirabad S/Stn.

S.NO.	NAME OF FEEDER	DATE OF S/D	S/D START TIME	S/D FINISH TIME	DETAILS OF MAINTENANCE WORK TO BE DONE	REMARKS
1	220 KV Mandolla Ckt.-4	30.08.2015	06:00 Hrs.	12:00 Hrs.	1. To Attend the hot point on Y Phase common jumper. 2. DCRM TEST OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 220 KV Mandolla Ckt.-1,2,3
2	20 MVA PR.TR.-III	06.09.15	06:00 Hrs.	12:00 Hrs.	To replace PRV relay, Carry out DC Logic testing and LV testing of transformer including Bay CB / Isol. Tetsing as per OS schedule.	LOAD SHALL BE MET THROUGH 20 MVA PR.TR.-IV. However load to the extent of 30 to 40 MW may be required to be shifted by BYPL
3	220 KV Bus Coupler with 220 KV Bus-2	12.09.2015 & 13.09.2015	06:00 Hrs. (12.09.15)	17:00 Hrs. (13.09.15)	To agument top jack bus from single zebra to double zebra including associated jumpers.	Load shall be met through 220 KV bus-I
4	220 KV Mandolla	14.09.2015	09:00 Hrs.	12:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) &	LOAD SHALL BE MET THROUGH 220 KV

	Ckt.-1				DCRM OF CIRCUIT BREAKER	Mandolla Ckt.-2,3,4
5	160 MVA Pr.Tr.with 66 KV I/C-4	14.09.2015	14:00 Hrs.	17:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 100MVA Pr. Tr.-1,2,3
6	220 KV Mandolla Ckt.-2	15.09.2015	09:00 Hrs.	12:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 220 KV Mandolla Ckt.-1,3,4
7	100 MVA Pr.Tr.-3 with 66 KV I/C-3	15.09.2015	14:00 Hrs.	17:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 100MVA Pr. Tr.-1,2 & 160 MVA Pr.Tr.
8	220 KV Mandolla Ckt.-3	16.09.2015	09:00 Hrs.	12:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 220 KV Mandolla Ckt.-1,2,4
9	100 MVA Pr.Tr.-2 with 66 KV I/C-2	16.09.2015	14:00 Hrs.	17:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 100MVA Pr. Tr.-1,3 & 160 MVA Pr.Tr.
10	220 KV Mandolla Ckt.-4	17.09.2015	09:00 Hrs.	12:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 220 KV Mandolla Ckt.-1,2,3
11	100 MVA Pr.Tr.-1 with 66 KV I/C-1	17.09.2015	14:00 Hrs.	17:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 100MVA Pr. Tr.-2,3 & 160 MVA Pr.Tr.
12	220 KV Kashmere Gate Ckt.-1	18.09.2015	09:00 Hrs.	12:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 220 KV Kashmere Gate Ckt.- 2
13	220 KV Kashmere Gate Ckt.-2	18.09.2015	14:00 Hrs.	17:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 220 KV Kashmere Gate Ckt.- 2
14	220 KV Gopal Pur Ckt.-1	19.09.2015	09:00 Hrs.	12:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 220 KV Gopal Pur Ckt.-2
15	220 KV Gopal Pur Ckt.-2	19.09.2015	14:00 Hrs.	17:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 220 KV Gopal Pur Ckt.-1

16	220 KV Bus Coupler	28.09.2015	09:00 Hrs.	11:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & DCRM OF CIRCUIT BREAKER	No Load shall be effected
17	20 MVA Pr.Tr.-3	28.09.2015	11:30 Hrs.	13:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & YEARLY TESTING OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 20 MVA PR.TR.-4. However load to the extent of 10 to 20 MW may be required to be shifted by BYPL
18	20 MVA Pr.Tr.-4	28.09.2015	14:00 Hrs.	16:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & YEARLY TESTING OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 20 MVA PR.TR.-3. However load to the extent of 10 to 20 MW may be required to be shifted by BYPL
19	66 KV Yamuna Vihar-1	29.09.2015	10:00 Hrs.	13:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & YEARLY TESTING OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 66 KV Yamuna Vihar-2
20	66 KV Yamuna Vihar-2	29.09.2015	14:00 Hrs.	17:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & YEARLY TESTING OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 66 KV Yamuna Vihar-1
21	66 KV Shastri Park-1	30.09.2015	10:00 Hrs.	13:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & YEARLY TESTING OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 66 KV Shastri Park-2
22	66 KV Shastri Park-2	30.09.2015	14:00 Hrs.	17:00 Hrs.	TAN DELTA & CAPACITANCE TESTING THROUGH CTL (DTL) & YEARLY TESTING OF CIRCUIT BREAKER	LOAD SHALL BE MET THROUGH 66 KV Shastri Park-1

5.7 DTL Protection Deptt. Proposed the following Shutdowns for retrofitting of Numerical relays

S.No.	Name of S/Stn.	Name of feeder	Date	Time	Reason for S/D
1.	Bawana	220kV Rohini-1 Ckt-1	1.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance

					Protection relay P443
2.	Bawana	220kV Rohini-1 Ckt-2	2.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
3.	Bawana	220kV Shalimar Bagh -1	3.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
4.	Bawana	220kV Shalimar Bagh -2	4.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
5	Kanjhawala	220kV Bawana Ckt-1	5.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
6	Rohini-1	220kV Bawana Ckt-1	7.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
7	Rohini-1	220kV Bawana Ckt-2	8.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
8	Shalimar Bagh	220kV Bawana Ckt-1	9.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
9	Shalimar Bagh	220kV Bawana Ckt-2	10.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
10	South of Wazirabad	220kV Gopalpur- 1	11.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
11	South of Wazirabad	220kV Gopalpur- 2	12.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
12	South of Wazirabad	220kV Kashmere Gate-1	14.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
13	South of Wazirabad	220kV Kashmere Gate-2	15.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
14	Gopalpur	220kV South of Wazirabad-1	16.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
15	Gopalpur	220kV South of Wazirabad-2	17.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
16	Gopalpur	220kV Mandola-1	18.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance

					Protection relay P443
17	Gopalpur	220kV Mandola - 2	19.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
18	Gopalpur	220kV Subzi Mandi -1	21.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
19	Gopalpur	220kV Subzi Mandi -2	22.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
20	Kasmeregate	220kV South of Wazirabad-1	23.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
21	Kashmere Gate	220kV South of Wazirabad-2	24.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
22	Pragati	220kV Park Street-1	25.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
23	Pragati	220kV Park Street-2	26.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
24	Park Street	220kV Pragati-1	28.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443
25	Park Street	220kV Pragati-2	29.9.2015	9:30 AM to 6:30PM	Retrofitting and testing of Numerical Distance Protection relay P443

5.8 DTL Proposed the following at 220KV Narela S/Stn.

<u>S.No.</u>	<u>Name of the Feeder/Transformer</u>	<u>Date</u>	<u>Timings</u>	<u>Work to be carried out</u>	<u>Area Affected</u>
1	100MVA Trf. No.- I	19.08.15	07:00 to 14:00 Hrs.	For replacement of its B-phase CT with old servicable ASEA make CT due to High Tan-Delta value (0.76)	Load will be shifted on 100MVA Trf. Nos.- II & III
2	66KV A-7 NRL Ckt. No.- I along with 66KV Bus- I	22.08.15	07:00 to 14:00 Hrs.	For replacement of damaged R-phase Bus-I Isolator dropper Jumpers	Load will be shifted by TPDDL. 30MVA Trf. will remain OFF due to single Bus selection.

5.9 DTL Lines Division Proposed the following Shut downs for repairing of damaged conductor/jumper

SL. No.	Date	Name of 220 kV Lines	Time Period	Works to be done during the shut-down
1	01.09.15	Mehrauli- DIAL Ckt-II	09:00 to 15:00 Hrs	To replace the jumper on T. No-67 of bottom & Middle Phase & T. No-69 of Top Phase .
2	02.09.15	BTPS-Mehrauli Ckt-I	10:00 to 17:00 Hrs	Making dead end & repair of jumper on T. No-4 of middle phase .
3	03.09.15	M.bagh - Gazipur Ckt-II	10:00 to 17:00 Hrs	Making dead end on T. No-9 of top phase toward T.No.8 .
4	04.09.15	Mehrauli- DIAL Ckt-II	09:00 to 17:00 Hrs	Making dead end & repair of jumper on T. No-72 towards
5	05.09.15	M.bagh - Gazipur Ckt-II	10:00 to 17:00 Hrs	Replaced broken disc on T. No-9 of middle phase toward T.No.8 .
6	06.09.15	BML- PPK-I Ckt-2	09:00 to 17:00 Hrs	Making dead end & repair of jumper on T. No-22 of middle phase .
7	07.09.15	BTPS-Mehrauli Ckt-I	10:00 to 17:00 Hrs	Making dead end & repair of jumper on T. No-5 of top phase .
8	08.09.15	M.bagh - Gazipur Ckt-II	10:00 to 17:00 Hrs	Making dead end on T. No-9 of bottom phase toward T.No.8 .
9	09.09.15	BML- NJF Ckt-2	09:00 to 17:00 Hrs	Making dead end & repair of jumper on T. No-01 of bottom phase .
10	10.09.15	BTPS-Mehrauli Ckt-I	10:00 to 17:00 Hrs	Making dead end & repair of jumper on T. No-14 of top phase .
11	11.09.15	M.bagh - Gazipur Ckt-I	10:00 to 17:00 Hrs	Attended hot point on T. No-8 of top phase toward T.No.9 at J.cone Temp 75 degree. &T.No.26 toward T.No.27 Bottom Ph Temp 65 degree.
12	12.09.15	M.bagh - Gazipur Ckt-I	10:00 to 17:00 Hrs	Making dead end on T. No-33of top phase toward T.No.34 .
13	13.09.15	Bamnauli- DIAL Ckt-II	10:00 to	Repaire the damaged conductor with repair

			17:00 Hrs	sleve b/w T. No-99-100 of bottom phase
14	14.09.15	BTPS-Mehrauli Ckt-II	10:00 to 17:00 Hrs	Making dead end & repair of jumper on T. No-14 of top phase .
15	15.09.15	M.bagh - Gazipur Ckt-I	10:00 to 17:00 Hrs	Replaced broken disc on T. No-33 of middle phase toward T.No.34 .
16	16.09.15	Bamnauli- DIAL Ckt-II	10:00 to 17:00 Hrs	Replace the conductor from gayntry to T. No- 1 of Top phase
17	17.09.15	BTPS-Mehrauli Ckt-I	10:00 to 17:00 Hrs	Repair of jumper on T. No-25,49,54 of bottom phase .
18	18.09.15	IP - PPG Ckt-I	10:00 to 17:00 Hrs	Attended hot point on T. No-11 of top phase toward T.No10 P G Clamp Temp.80 degree
19	19.09.15	BTPS-Mehrauli Ckt-II	10:00 to 17:00 Hrs	Repair of jumper on T. No-49,54,63 of bottom phase .
20	20.09.15	Bamnauli- DIAL Ckt-II	10:00 to 17:00 Hrs	Replace the conductor from gayntry to T. No- 1 of middle phase
21	21.09.15	IP - PPG Ckt-II	10:00 to 17:00 Hrs	Attended hot point on T. No-11 of top phase toward T.No10 P G Clamp Temp.60 degree
22	22.09.15	BTPS-Sarita Vihar Ckt-I	10:00 to 17:00 Hrs	Making dead end & repair of jumper on T. No-2 of top phase .
23	23.09.15	MLI-Vasant Kunj Ckt-I	09:00 to 15 :00 Hrs	Repaire the damaged conductor with repair sleeve b/w T. No-36-37 of bottom phase
24	24.09.15	SOW - Mandola Ckt-I	10:00 to 17:00 Hrs	Refixing Slip Vibration Damper for Zebra conductor
25	25.09.15	BTPS-Sarita Vihar Ckt-I	10:00 to 17:00 Hrs	Making dead end & repair of jumper on T. No-2 of middle phase .
26	26.06.15	BML- PPK-I Ckt-2	09:00 to 17:00 Hrs	Making dead end & repair of jumper on T. No-06 of middle phase .
27	27.09.15	SOW - Mandola Ckt-II	10:00 to 17:00 Hrs	Refixing Slip Vibration Damper for Zebra conductor
28	28.09.15	BTPS-Sarita Vihar Ckt-II	10:00 to	Making dead end,conductor change & repair of

			17:00 Hrs	jumper on T. No-2 of top phase .
29	29.09.15	SOW - Mandola Ckt-III	10:00 to 17:00 Hrs	Refixing Slip Vibration Damper for Zebra conductor
30	30.09.15	BTPS-Sarita Vihar Ckt-II	10:00 to 17:00 Hrs	Replacement of broken disc at t. No-7 bottom-phase
31	01.10.15	SOW - Mandola Ckt-IV	10:00 to 17:00 Hrs	Refixing Slip Vibration Damper for Zebra conductor
32	02.10.15	BTPS-Okhla Ckt-I	10:00 to 17:00 Hrs	Railway crossing,Making dead end & repair of jumper on T. No-9 of middle phase .
33	03.10.15	IP - PPG Ckt-I	10:00 to 17:00 Hrs	Refixing Slip Vibration Damper for Zebra conductor
34	05.10.15	BTPS-Okhla Ckt-I	10:00 to 17:00 Hrs	Railway crossing,Making dead end & repair of jumper on T. No-26 of top phase .
35	06.10.15	IP - PPG Ckt-II	10:00 to 17:00 Hrs	Refixing Slip Vibration Damper for Zebra conductor
36	07.10.15	BTPS-Okhla Ckt-II	10:00 to 17:00 Hrs	Railway crossing,Making dead end & repair of jumper on T. No-9 of top phase .
37	09.10.15	Pragati-G.T Ckt-II	10:00 to 17:00 Hrs	Railway crossing,Making dead end & repair of jumper on T. No-2 of top phase .
38	12.10.15	Pragati-G.T Ckt-II	10:00 to 17:00 Hrs	Railway crossing,Making dead end & repair of jumper on T. No-2 of middle phase .

5.10 DTL Proposed the following Shut downs at 400KV S/Stn. Bawana

S.No	Day/date	Time	Name of the feeder/Bay	Work to be carried out	Remarks/Area affected
01	01.09.2015	09:30 to 13:00hrs	220kV Kanjhawala Ckt-I	To attend hot point at line isolator y-phase	Load will be run through 220kV TBC-I
02	02.09.2015	09:30 to 13:00hrs	220kV Rohini Ckt-II	To attend hot point at CT R & Y phase	Load will be managed by sysem operationI

03	03.09.2015	09:30 to 13:00hrs	220kV Incomer-IV	To attend hot point at breaker top y-phase	Load will be run through 220kV TBC-II
04	21.09.15 to 26.09.15	From 09:00 on 21.09.2015 till 17:00 on 26.09.2015	220kV DSIIDC Ckt-I	Complete Overhauling of 220kV CGL circuit Breaker under supervision of CGL Engineer	Load will be run through 220kV TBC-II
05	26.09.2015	09:30 to 17:30hrs	100 MVA Transformer	For Tandelta testing as per OS	Load will be transferred on 220kV Kanjhawala
06	27.09.2015 to 02.10.2015	From 09:00 on 27.09.2015 till 17:00 on 02.10.2015	220kV DSIIDC Ckt-II	Complete Overhauling of 220kV CGL circuit Breaker under supervision of CGL Engineer	Load will be run through 220kV TBC-II
07	03.10.2015 to 08.10.2015	From 09:00 on 03.10.2015 till 19:00 on 08.10.2015	220kV Kanjhawala Ckt-I	Complete Overhauling of 220kV CGL circuit Breaker under supervision of CGL Engineer	Load will be run through 220kV TBC-I

5.11 DTL Proposed the following Shut downs at 220KV S/Stn. Vasant Kunj

S.No.	Name of Element	Period		Reason	Remarks
		From	To		
1	220 KV Mehrauli ckt-I with 220 KV Bus-I	07.09.2015 at 06:00 hrs.	07.09.2015 at 17:30 hrs.	To replace 03 nos. 220 KV CVTs having capacitance value above permissible limits	Load can be shifted on 220 KV Mehrauli ckt-II and 220 KV Bus-II
2	220 KV Bus Coupler	08.09.2015 at 09:30 hrs	08.09.2015 at 17:30 hrs	To replace R-phase 220 KV CT having high tan delta value.	The Bus Coupler normally remains in OFF position, so no load will be affected.
3	66 KV Incommer No.-II along with 66 KV Bus-I.	10.09.2015 at 09:30 hrs	10.09.2015 at 17:30 hrs	To replace faulty 66 KV B-phase LA and carry out scheduled testing of CTs, CVTs, CB, and line & bus isolators, as per preventive	Load can be shifted on 66 KV Incommer No.I and 66 KV Bus-II

				maintenance schedule.	
4	66 KV Vasant Kunj C-I circuit along with 66 KV Bus-I.	11.09.2015 at 09:30 hrs	11.09.2015 at 17:30 hrs	To replace faulty 66 KV R-phase LA and carry out scheduled testing of CTs, CVT, CB, and line & bus isolators, as per preventive maintenance schedule.	Load can be shifted on 66 KV Vasant Kunj C-II circuit and 66 KV Bus-II
5	66 KV Vasant Kunj Ridge Valley-I circuit along with 66 KV Bus-I.	13.09.2015 at 09:30 hrs	13.09.2015 at 17:30 hrs	To replace faulty 66 KV R-phase LA and carry out scheduled testing of CTs, CVT, CB, and line & bus isolators, as per preventive maintenance schedule.	Load can be shifted by OS department to other station.
6	66 KV Vasant Kunj D-II circuit along with 66 KV Bus-I.	14.09.2015 at 09:30 hrs	14.09.2015 at 17:30 hrs	To carry out scheduled testing of CTs, CVT, CB, and line & bus isolators, as per preventive maintenance schedule.	Load can be shifted on 66 KV Vasant Kunj D-I circuit and 66 KV Bus-II
7	66 KV Vasant Kunj D-I circuit along with 66 KV Bus-I.	16.09.2015 at 09:30 hrs	16.09.2015 at 17:30 hrs	To carry out scheduled testing of CTs, CVT, CB, and line & bus isolators, as per preventive maintenance schedule.	Load can be shifted on 66 KV Vasant Kunj D-II circuit and 66 KV Bus-II
8	66 KV Incommer No.- I along with 66 KV Bus-I.	17.09.2015 at 09:30 hrs	17.09.2015 at 17:30 hrs	To carry out scheduled testing of CTs, CVTs, CB, and line & bus isolators, as per preventive maintenance schedule.	Load can be shifted on 66 KV Incommer No.II and 66 KV Bus-II
9	66 KV Vasant Kunj C-II circuit along with 66 KV Bus-I.	20.09.2015 at 09:30 hrs	20.09.2015 at 17:30 hrs	To carry out scheduled testing of CTs, CVT, CB, and line & bus isolators, as per preventive maintenance schedule.	Load can be shifted on 66 KV Vasant Kunj C-I circuit and 66 KV Bus-II
10	20 MVA Transformer No. I along with 66 KV Bus-I.	21.09.2015 at 09:30 hrs	21.09.2015 at 17:30 hrs	To carry out scheduled testing of CTs, CVT, CB, and line & bus isolators, as per preventive maintenance schedule.	Load can be shifted on 20 MVA Transformer No. II and 66 KV Bus-II

11	20 MVA Transformer No. II along with 66 KV Bus-I.	23.09.2015 at 09:30 hrs	23.09.2015 at 17:30 hrs	To carry out scheduled testing of CTs, CVT, CB, and line & bus isolators, as per preventive maintenance schedule.	Load can be shifted on 20 MVA Transformer No. I and 66 KV Bus-II
12	66 KV Bus-coupler along with 66 KV Bus-I.	24.09.2015 at 09:30 hrs	24.09.2015 at 17:30 hrs	To carry out scheduled testing of CTs, CB, and bus isolator, as per preventive maintenance schedule.	The Bus Coupler normally remains in OFF position, so no load will be affected.
13	66 KV Palam circuit along with 66 KV Bus-I.	25.09.2015 at 09:30 hrs	25.09.2015 at 17:30 hrs	To carry out scheduled testing of CTs, CVTs, CB, and line & bus isolators, as per preventive maintenance schedule.	Load can be shifted by OS department to other station.
14	66 KV Incommer No. III along with 66 KV Bus-I	27.09.2015 at 09:30 hrs	27.09.2015 at 17:30 hrs	To carry out scheduled testing of CTs, PTs, CB, and line & bus isolators, as per preventive maintenance schedule.	Load can be shifted on other two transformers.
15	66 KV Ridge valley –II circuit along with 66 KV Bus-I.	28.09.2015 at 09:30 hrs	28.09.2015 at 17:30 hrs	To carry out scheduled testing of CTs, PTs, CB, and line & bus isolators, as per preventive maintenance schedule.	Circuit is in OFF position due to cable fault, so no load will be affected.

5.12 DTL Proposed the following Shut downs at 220KV S/Stn. Narela

<u>S.No.</u>	<u>Name of the Feeder/Transformer</u>	<u>Date</u>	<u>Timings</u>	<u>Work to be carried out</u>	<u>Area Affected</u>
1	100MVA Trf. No.- I	19.08.15	07:00 to 14:00 Hrs.	For replacement of its B-phase CT with old servicable ASEA make CT due to High Tan-Delta value (0.76)	Load will be shifted on 100MVA Trf. Nos.- II & III
2	66KV A-7 NRL Ckt. No.- I along with 66KV Bus- I	22.08.15	07:00 to 14:00 Hrs.	For replacement of damaged R-phase Bus-I Isolator dropper Jumpers	Load will be shifted by TPDDL. 30MVA Trf. will remain OFF due to single Bus selection.

5.13 DTL Proposed the following Shut downs at 220KV S/Stn. Park Street

Sr.no	Name of feeder	Date/Day	Time	Description of work	Remark
1	33 kv Bus coupler	5.09.2015 Saturday	6:30 hr to 9:30 hrs	Preventive maintenance as per PMS	
2	100MVA Tr-II 220/66 kv with I/C-II & 66 kv Bus-II	6.09.2015 Sunday	6:30hr to 12:30hr	Attending the hot points	Load will be met by Tr- no. I-220/66 kv
3	33 kv Fairz` Rd ckt-I	12.09.2015 2 nd Saturday	9:30 hr to 12:30 hrs	Preventive maintenance as per PMS	Load will be met by ckt no. II
4	33 kv Baird Rd ckt-I	13.09.2015 Sunday	9:30 hr to 12:30 hrs	Attending the hot points	Load will be met by DISCOM (NDMC)
5	66 kv B.D Marg-II	20.09.2015 Sunday	9:30 hr to 12:30 hrs	Preventive maintenance as per PMS	Load will be met by ckt no. I
6	33 kv Hanuman Rd	27.09.2015 Sunday	9:30hr to 12:30hr	Preventive maintenance as per PMS	Load will be met by DISCOM (NDMC)

5.14 DTL Proposed the following Shut downs at 220KV S/Stn. Sarita Vihar

S. NO..	NAME OF FEEDER	DATE	TIME	REASON	REMARKS
1	220 KV B.T.P.S. CKT -II	5.09.15	06:00 HRS TO 11:00 HRS	TO REPLACEMENT OF Y PH. C.T..	LOAD TO BE TAKEN ON B.T.P.S. CKT -I
2	220 KV B.T.P.S. CKT -I ALONG WITH 220KVBUS - I	6.09.15	06:00 HRS TO 17:00 HRS	TO ATTEND HOT SPOTS (Y PH. ISOLATOR CLAMP COMMON JUMPER) AND TO CONDUCT C&TAN- DELTA TEST OF LINE CVTs AND BUS - I CVTs AS PER PMS, REPLACEMENT OF R, Y & B PH. DROPPER JUMPER,	LOAD TO BE TAKEN ON B.T.P.S. CKT -II

				REPLACEMENT OF R PH. C.T., CONNECT C-WADGE CLAMP AT C.B. DROPER & L.A. DROPER JUMPER, CONNECT MS FLATE COUNTER TO L.A.	
3	100 MVA T/F –I WITH 66 KV I/C –I ALONG WITH BUS - I	12.09.15	6:00 HRS TO 10:00 HRS	FOR CONNECT SHUNT OF B Ph BUS – I	LOAD TO BE TAKEN ON 100 MVA T/F –II WITH 66 KV I/C –II
4	20 MVA T/F –II ALONG WITH 66KV BUS - II	12.09.15	10:00 HRS TO 17:00 HRS	FOR REPLACEMENT OF R, Y & B Ph. BUS – II ISOLATOR BLADE AND MOVING MACHNISM AND ALIGNMENT OF ISOLATOR BLADES.	LOAD TO BE TAKEN ON 20 MVA T/F –I
5	66 KV MATHURA ROAD – II ALONG WITH BUS - II	13.09.15	06:00 HRS TO 15:00 HRS	FOR REPLACEMENT OF R, Y & B Ph BUS – II ISOLATOR JUMPERS	LOAD TO BE TAKEN ON 66 KV MATHURA ROAD – I ALONG WITH BUS - I

5.15 DTL Proposed the following Shut downs at 220KV S/Stn. Okhla

S. No.	Name of feeder	Date	From	To	Work to be done	Remarks
1.	33 KV Balaji Ckt-II along with 33 KV Bus-I	02.09.15	7:00 Hrs.	17:00 Hrs.	Replacement of MOCB with Sf-6 breaker.	Load may be shifted to 33 KV Balaji Ckt-I.
2.	66 KV Okhla Ph. I Ckt. I	04.09.15	07:30 Hrs.	10:30 Hrs.	General maintenance of bay eqpts.	Load may be shifted on 66 KV Okhla ph. I Ckt.II
3.	66 KV Malviya Ngr. Ckt. I along with 66 KV Bus-II	06.09.15	07:00 Hrs.	10:00 Hrs.	Replacement of Y ph. Bus-II isolator blade.	Load may shifted to 66 KV Malviya Ngr. Ckt.II and Bus-I
4.	66 KV Malviya Ngr. Ckt. II along with 66 KV Bus-II	06.09.15	11:00 Hrs.	14:00 Hrs.	Replacement of Y ph. Bus-II isolator blade.	Load may shifted to 66 KV Malviya Ngr. Ckt. I and Bus-I
5.	100 MVA Transformer-III along with 33 KV I/C No. III	08.09.15	9:30 Hrs.	13:30 Hrs.	Filling Tx. oil in conservator tank.	Load may be shifted to 100 MVA Trf No. IV and Trf No -V.

6.	100 MVA Transformer-IV along with 33 KV I/C No. IV	09.09.15	9:30 Hrs.	13:30 Hrs.	Filling Tx. oil in conservator tank.	Load may be shifted to 100 MVA Trf No. III and Trf No -V.
7.	66 KV Bus coupler	10.09.15	7:30 Hrs.	17:30 Hrs.	Replacement of MOCB with SF-6 Breaker	Bus transfer facility shall not be available during the period
8.	33 KV Bus Coupler along with 33 KV Bus-II	13.09.15	7:00 Hrs.	17:00 Hrs.	Replacement of MOCB with Sf-6 breaker.	Bus transfer facility shall not be available during the period and 33 KV Bus-II along with 33 KV I/C No.III & IV will remain OFF from 10:00 Hrs. to 14:00 Hrs.
9.	20 MVA Tx. II along with 66 KV Bus-I,66 Malviya Ngr.I & II and 66 KV Rail Pole Batra	20.09.15	7:00 Hrs.	17:00 Hrs.	Replacement of MOCB with Sf-6 breaker.	20 MVA Tx. II load may be shifted on 20 MVA Tx. I and 66 Malviya Ngr.I & II and 66 KV Rail Pole Batra load may be managed by BRPL.

5.16 : DTL Proposed the following Shut downs at 220KV S/Stn. Geeta Colony

S. No.	Name of feeder	Date	From	To	Work to be done	Remarks
1.	220 KV Geeta Colony - SOW-II as long with Bus-II	05.09.2015	06.00Hrs	10.00Hrs	1. To attend the hot point on B phase CB clamp (bus side) & General maintenance	Load shall be meet through Geeta Colony -SOW-I

5.17 : DTL ICM Division Proposed the following Shut downs at 220KV S/Stn. Rohini-II for Accuracy testing of CT & PT.

S. No.	Name of feeder	Date	From	To	Work to be done	Remarks
1.	66KV I/C No.I	07.09.15	8:00 Hrs.	12:00 Hrs.	Accuracy testing of CT & PT for complying the Regulations	Load may be shifted to 66KV I/C No.II
2.	66KV I/C No.II	08.09.15	8:00 Hrs.	12:00 Hrs.	Accuracy testing of CT & PT for complying the Regulations	Load may be shifted to 66KV I/C No.I

6. Any additional agenda points with the permission of chair.

7. Date and time of next OCC meeting.