



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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No. F.DTL/831/F.4/2017-18/DGM (OS)/21

Date:23.05.2017

To,
All Members of Operation Co-ordination committee

DTL	General Manager (O&M)-I, Chairman OCC General Manager (O&M)-II Executive Director (Planning) Fax No.011-23622707 DGM (O&M)- North, East, West, South DGM (M/P) DGM(Plg.)	Fax no. 011-23366160
SLDC	GM (SLDC) DGM (SO)	Fax no. 011-23221069 Fax no. 011-23221059/12,
TPDDL	HOD (PSC &AM) Sr. Manager (PSC)	Fax no. 011-66050602 Fax no. 011-66050602
BRPL	Asstt. Vice President (SO)	Fax no. 011-39996549
BYPL	General Manager (SO)	Fax no. 011-39996549
NDMC	Superintending Engineer	Fax no. 011-23235754
IPGCL	AGM (T) COS AGM (T) Opr. GTPS	Fax no. 011-23284797 Fax no. 011-23370884
PPCL	DGM (T) Opr. PPS-I DGM (T) Opr. PPS-III	Fax no. 011-23378947 Fax no. 011-27791175
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	General Manager (Elect.)	Special Invitee
N. Railways	Sr. DEE (TRD)	Special Invitee
EDWPCL	Director(EDWPCL)	Special Invitee
Delhi MSWSL	Station Incharge	Special Invitee

Sub: Agenda for OCC Meeting to be held on 26.05.2017 (Friday) at 2:30 P.M.

Dear sir/madam,

The next OCC meeting is scheduled to be held on dt.- **26.05.2017(Friday) at 2:30 P.M.** at the following venue:-

SLDC Building, Minto Road, Opp. MCD Civic Centre, New Delhi-110002

You are hereby requested to attend the meeting in accordance with the agenda enclosed herewith.

Thanking You.

Encl: Agenda for OCC meeting.

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

DELHI TRANSCO LIMITED

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

AGENDA FOR OCC MEETING DT. 26.05.2017

Date : **26.05.2017 (Friday)**
Time : **2:30 PM**
Venue : **SLDC Building**
Minto Road, Opp. MCD Civic Centre,
New Delhi-110002

1. Confirmation of minutes of OCC meeting dated 27.04.2017 & 28.04.2017

An OCC meeting was held on 27.04.2017 & 28.04.2017 in accordance with the agenda circulated vide letter dt. 24.04.2017. Minutes of the aforesaid OCC meeting were issued vide letter dt.02.05.2017.

Members may like to confirm the same.

2. DTL Agenda :

2.1 Implementation of Special Protection Scheme

The matter has been deliberated in the previous OCC meetings, wherein it was decided that to meet the expected Summer demand of 6600MW and to avoid cascading outage of any transmission element, Special Protection Schemes be devised to obviate complete blackout of sub-stations in case of outage of any of the system elements during peak time, where severe constraints are in existence. Crucial transmission system including 220 kV transmission lines and 220/66 kV & 220/33 kV Transformers have been identified which are likely to be over loaded during the peak time this Summer.

The operation of Special Protection Scheme has to be activated when the loading of 220kV transmission Lines consisting of Zebra Conductors reaches to 700Amp. It was decided that scheme to be worked out so that the tripping command of 66kV, 33kV feeders and 11kV incomers can be given in stages so as to disconnect the load before the parallel over loaded upstream feeder/transformer Over current Relay initiate trip command on Over current protection. The feeders have been identified by the DISCOMs for disconnection in such scenario for the following specific transmission lines and are as under:

S. No.	Name of the Circuit	66/33 kV Feeders which can be switched off during the exigencies.
1	220kV Bamnauli-Papankalan-I ckt-I & ckt-II	66kV BindapurCkt-I & II 66kV BudhelaCkt-I & II
2	220kV Bamnauli-Papankalan-II ckt-I & ckt-II	66 kV Matiala-I & II
3	220kV Bawana-Rohini-I ckt-I & ckt-II	66kV RG-24 Ckt.-I & II 66kV DC-I & II
4	220kV Ballabgarh-BTPS –I & II	The committee has decided during the exigency at Ballabgarh-BTPS –I & –II.

		The 66 kV Malaviya Nagar-III, 33 kV Tughlakabad and 20 MVA Tr.-1 & 2 shall be switched off from 220 kV Okhla grid.
5	220kV Mandola-GopalpurCkt –I & II	33kV Model Town-I & II 33kV Indira Vihar-I& II
6	220kV BTPS-Mehrauli-I &II	Scheme is already commissioned. Tripping of 66kV Malviya Nagar –I & II and 66kV C Dot-I & II for reliability of DIAL supply and to avoid isolation of BTPS from Bamnauli when the system is interconnected.
7	220kV Mundka-Peeragarhi-I &II	Manual load management
8	220kV Mundka-Najafgarh	2 nos Local Transformers, 66kV Nangloi, 66 kV Jafarpur
9	220kV BTPS-Okhla-I &II	The committee has decided during the exigency at Ballabgarh-BTPS –I &–II. The 66 kV Malaviya Nagar-III, 33 kV Tughlakabad and 20 MVA Tr.-1 & 2 shall be switched off from 220 kV Okhla grid.
11	220kV Pragati-Park street-I &II	Manual load management
12	220 kV Mandaula-SOW-I,II,III and IV running parallel	66 kV Shastri Park at SOW and all 33kV feeders at Geeta colony.
13	220kV Ridge valley- Naraina	Scheme is already commissioned. Tripping of 33kV Inderpuri –I and II in Stage -1 and 220kV Bus Coupler in Stage –2 to avoid overloading of Ridge-Valley cable when Maharani Bagh and Bamnauli supply are interconnected through this link.

The Special Protection Scheme (SPS) will be configured in respective Numerical Relays by the Protection Deptt. As decided in the last OCC meeting, the work of laying and termination of 4Cx2.5sq. mm Control Cable from 220 kV Feeder Relay panel to the respective 66/33kV panel in respect of 220 kV transmission lines as mentioned above is to be done by the respective Sub-Station In-charge in consultation with the Protection Deptt., where the scheme are to be implemented.

During the last OCC meeting, It was emphasized that in the interest of grid security, implementation of SPS be done on top priority basis. Accordingly, O&M deptt. should expedite the work of laying and termination of 4Cx2.5 sq. mm Control Cables from 220 kV Feeder Relay panel to the respective 66/33KV panel including wiring inside the panel in consultation with the Protection Deptt for timely implementation of scheme.

DTL Prot. Deptt.to update the status.

2.2 Tripping of 220kV Bamnauli-Pappankalan II Ckt.-1 & 2 from Bamnauli end on dt.-20.05.2017 at 23:53 hrs. and 23:57 hrs. respectively.

On dt.-20.05.2017, 220kV Bamnauli-Pappankalan II Ckt-1& 2 got tripped at 23:53 hrs and 23:57 hrs respectively at Bamnauli end on backup protection and the supply at PPK-II got failed due to radial feed from Bamnauli grid. Later on it was came to notice that the fault was at BRPL 66kV Hastal grid at the 11kV end. The fault of 11kV level should have been cleared at 11kV or 66kV level at the BRPL station, but it may not have been cleared leading

to fire. In this particular case at the time of fault at BRPL end the current of 66KV Hastal feeders was less than 800 Amp so the 66kV feeder was not supposed to trip. Whereas the current of 220kV feeder as noted from disturbance record of Bamnauli end was 1000 Amp and the feeder has rightly tripped on over current setting resulting supply at PPK-II got failed due to radial feed from Bamnauli grid.

BRPL should provide the following details before the OCC for deliberation of the above incident-

- A. Single line diagram of the 66 kV Hastal Grid substation.
- B. System configuration at the time of incident
- C. Connectivity of the BRPL Power network.
- D. Incident report by BRPL alongwith DR and SOE.
- E. Tripping analysis report by BRPL
- F. Details of the SCADA Connectivity along with DATA acquisition configuration of 66 kV Hastal to BRPL System Control Room (Balaji) for monitoring of the unmanned substation.
- G. Immediate Remedial measure to avoid such type of incident.

BRPL may deliberate

2.3 Installation of Line differential relays in 66kV/33kV O/G feeders from DTL.

As decided in the 6th Delhi GCC Meeting DISCOMs are supposed to provide Line differential relay for faster and selective fault clearance. The matter was also discussed in the last protection sub committee meeting, in which the need was felt to install Line Differential Relays in 66kV/33kV O/G feeders from DTL. As per present scenario many of the DISCOM feeders emanating from DTL S/Stns are not being provided with Line differential relay which also require the fibre connectivity to be provided by DISCOM along with cable between DTL S/Stns to DISCOMs S/Stns along with the new commissioned feeders.

Discoms may deliberate.

2.4 Disturbance in Delhi power supply on 21st May 2017 following rain and thunderstorm.

The power supply in Delhi got disturbed on 21st May 2017 following rain and thunderstorm due to various trippings. Discoms are requested to provide the list of manual load sheddings if any.

2.5 Alternative source for 11 KV O/G feeders from 220 KV S/Stn sarita Vihar.

There are two nos 20 MVA Pr. Tx. available at 220 KV S/Stn sarita Vihar for catering the load of the following 09 nos 11 kv feeders at 220 KV S/Stn sarita Vihar:-

Sl. No.	Name of Feeder	Feeding Areas	Status of Alternative source
1.	11 KV Aali Village	Aali village	Nil
2.	11 KV Sourav Vihar No.- I	Various blocks of Sourav vihar, Hari nagar, Mithapur etc.	Nil
3.	11 KV Sourav Vihar No.- II	Various blocks of Sourav vihar,	Nil
4.	11 KV Jaitpur	Jaitpur , Gaddha colony	Nil
5.	11 KV S/Stn No-21 Sarita Vihar	Sarita vihar, Madanpur khaddar,	Nil
6.	11 KV S/Stn No-22 Sarita Vihar	Madanpur khaddar,	Nil

7.	11 KV Sewage pump	Sewage pump	Nil
8.	11 KV IOC	Mohan co-operative areas	Nil
9.	11 KV American Express	Mohan co-operative areas	Nil

Recently a shut-down was availed on 20 MVA PTR No-I w.e.f. 18.05.2017 to 21.05.2017 at 220 KV S/Stn Sarita Vihar after taking the consent from BRPL for maintenance of Tx. However, due to non availability of alternative source of above feeders from BRPL , the load shedding was carried out during the night hours. The 11kV load exceeded from the capacity of 01 no Tx i.e. (1200 to 1300 Amp). BRPL may submit the action plan to avoid load shedding in the event of outage of any 20 MVA transformer at Sarita Vihar in future.

BRPL may deliberate.

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

The matter has been discussed in previous OCC meetings, wherein it was informed by Mgr(O&M), DTL (N-3) that BRPL Najafgarh is using the common road from Main Security Gate (at Main Road) to Security Gate at DTL 220kV Najafgarh Substation Security Gate which is creating the hindrance to men and material of DTL and common public at large too. The problem enhances and get gruesome when general public park their vehicles while visiting the BRPL office encroaching the corridor. It can also not be ruled out that in case of major chaos, if any fire breaks out at DTL installation at Najafgarh or similar exigency, fire tenders/emergency vehicles may not be able to enter the premise due to space crunch created by storage of damaged & old scraps in the form of LT transformers, electrical poles and also due to parking of vehicles by general public.

During the previous OCC meeting, it was informed by DTL that some transformers have been removed from the site. BRPL assured for removing of the rest of the transformers by this May end.

BRPL to update the status.

3. Proposed Planned Shutdowns

3.1 Proposed shutdowns of O&M, DTL

DTL O&M deptt.has proposed the planned shutdowns for the month of June2017 as per enclosed Annexure.

OCC may deliberate.

3.2 Shutdown request of Power Grid for replacement of HTLS conductor of 220kV SOW-Geeta Colony D/C line and 220kV SaritaVihar-Pragati line.

M/s PGCIL have requested for shutdowns of following 220kV lines for HTLS conductor replacement:-

S.No.	Name of transmission line	Ckt.	Dates
1.	220kV Geeta Colony-Wazirabad T/L	Ckt.-1	25 th May to 09 th June 2017
2.	220kV Geeta Colony-Wazirabad T/L	Ckt.-2	14 th June to 02 nd Aug 2017
3.	220kV SaritaVihar-Pragati	Ckt.-2	05 th Aug to 27 th Aug 2017

OCC may deliberate.

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

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

S.N	Element's Name	Discom/DTL	Date and Time of outage	Status as on 24.05.2017
1.	33kV BAY -3 (IP – KILOKARI)	BRPL	22.02.2011	Clearance from Railways for laying of Underground cables near Bhairon Road is pending. OCC advised BRPL to inform DTL after awarding of the said work. During the OCC meeting dt.-28.11.2016, It was deliberated that the above work shall be started after joint inspection with Railways.
2.	33kV RIDGE VALLEY - KHEBAR LINE CKT.-II	BRPL	31.01.2016	R-Ph single cable faulty
3.	33kV IIT-JNU Ckt.	BRPL	27.11.2016	CT problem.
4.	66kV VASANT KUNJ INSTL.AREA-RIDGE VALLEY CKT.-I	BRPL	26.03.2017	Under Shutdown.
5.	33kV OKHLA (220kV) ALAKNANDA CKT-I	BRPL	07.04.2017	SINGLE CABLE FAULTY.
6.	33kV LODHI ROAD - EXHIBITION GROUND -II	BRPL	04.05.2017	Y-PH. SINGLE CABLE FAULTY
7.	33kV OKHLA (220kV) EAST OF KAILASH CKT	BRPL	15.05.2017	SINGLE CABLE FAULTY.
8.	33kV KILOKRI - O/H SARAI JULIENA CKT	BRPL	20.05.2017	SINGLE CABLE FAULTY.
9.	66kV SAGARPUR - REWARI LINE CKT.	BRPL	30.07.2016	'B' PH. CABLE FAULTY. RE-ROUTING BEING DONE.
10.	66kV BUS COUPLER AT G-15 DWARKA	BRPL	22.11.2016	CT Blast.
11.	30MVA PR.TR. AT NANGLOI	BRPL	18.03.2017	Problem in Relay.
12.	33kV REWARI LINE - METAL FORGING CKT.	BRPL	20.04.2017	SINGLE CABLE FAULTY.
13.	66kV HASTAL - GGSH CKT.-I	BRPL	11.05.2017	'B' PH. CABLE FAULTY.
14.	33kV SHASTRI PARK (E) - NIC CKT.-I	BYPL	21.05.2017	'R'PH. CABLE FAULTY
15.	66kV GONDA - KARAWAL NAGAR CKT.-I	BYPL	23.05.2017	'B'PH. SINGLE CABLE FAULTY

Agenda for OCC meeting dt.-26.05.2017

16.	33kV GONDA - O/H SEELAMPUR CKT.	BYPL	23.05.2017	'Y'PH. SINGLE CABLE FAULTY
17.	220kV GAZIPUR - 66kV PPG INDL. AREA CKT.	BYPL	23.05.2017	'B' PH. CABLE FAULTY.
18.	33KV PANDAV NAGAR - DMS CKT.	TPDDL	03.04.2016	PROBLEM IN RMU.
19.	33kV JAHANGIRPURI-SANJAY GANDHI TR. NGR CKT-I	TPDDL		R-PH CABLE FAULTY
20.	33kV JAHANGIRPURI-AZADPUR CKT.-I	TPDDL	05.04.2017	B-PH SINGLE CABLE FAULTY
21.	66kV ROHINI-II(220kV)-ROHINI -34 CKT.-II	TPDDL	26.03.2017	UNDER SHUT DOWN FOR REPLACEMENT OF CONTROL PANEL & RELAY
22.	33kV SHALIMARBAGH(220kV) - SMB -FC CKT.-II	TPDDL	23.05.2017	SINGLE CABLE FAULTY
23.	400kV BAMNAULI - JHAKTIKARA CKT.-I	DTL	22.05.2016	Dead end Tower No.-169 along with gantry collapsed at Bamnauli end. Ckt.-II charged on ERS. Order placed. Expected by 31.05.17.
24.	400kV BAWANA - MUNDKA CKT.- I & II	DTL	14.05.2017	LEGS OF TOWER NO.-116 TWISTED DUE TO FIRE BENEATH THE LINE. CKT.-I&II ENERGISED UPTO TOWER NO. 115 FROM BAWANA END. JUMPER OPENED AT TOWER NO. 115.
25.	220/33kV 100MVA PR.TR.-II AT 220kV LODHI ROAD	DTL	22.03.2017	TRIPPED ON DIFFERENTIAL, PROTECTION AND BUCHLOZ RELAY.TRANFORMER FAULTY AND TO BE REPLACED. EXPECTED BY 27.05.17.
26.	220/33kV 100MVA PR.TR.-IV AT 220kV OKHLA	DTL	07.04.2017	TRIPPED ON DIFFERENTIAL, HV & LV WINDINGS DAMAGED.
