

DELHI TRANSCO LIMITED

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

AGENDA FOR DELHI OCC MEETING NO. 7/2023-24

Date : **25.10.2023**
Time : **11:00 A.M**
Venue : In O/o-GM(O&M)-I, Delhi Transco Ltd.,
220 KV Sub-Stn Park Street Building,
New Delhi-110001

1. Confirmation of minutes of 6th Delhi OCC meeting (2023-24) held on dated 22.09.2023.

The 6th Delhi OCC meeting (2023-24) was held on 22.09.2023 physically in the O/o GM(T)O&M-I in accordance with the agenda circulated vide letter dt: 15.09.2023. Minutes of the OCC meeting were issued on 26.09.2023 and were uploaded on DTL website (http://dtl.gov.in/Content/359_1_OCC-Meeting2023.aspx).

2. DTL Agenda: Proposed planned shutdowns for the month of November-2023.

Proposed planned shutdowns for the month of November-2023 (Annexure-I).

(OCC may deliberate)

3. DTL Agenda: DTL's proposal for replacement of existing 400/220 kV 315 MVA ICT (ICT- 3, Powergrid Asset) at Bawana substation with 500 MVA ICT.

Comment of CEA: Proposal submitted by DTL for replacement of 400/220 kV, 315 MVA ICT (ICT-3, Powergrid asset) is generally in order. The modalities regarding the replacement of the ICT-3 and utilization of the 315 MVA ICT spared after replacement may be deliberated in the NRPC/OCC forum. DTL is also requested to expedite the implementation of Tikri Khurd substation as it would help in relieving the loading on the 400/220 kV ICTs at Bawana substation.

Letter from CEA is attached as Annexure-II.

(OCC may deliberate)

4. DTL Agenda: 220 kV Lodhi Road

OCC held on 22.09.2023 had approved the list of important shutdowns, The shutdown at 220kV Lodhi Road on 16MVA-3 along with 11kV Half Bus and 16MVA-4 along with 11kV Half Bus were scheduled for 17.10.2023 and 18.10.2023 respectively but both shutdowns were grossly denied by NDMC for feeder 11kV Shan Nagar-1&2.

DTL O&M had preparations for the shutdown (yearly maintenance) but that all went to waste, It is requested to kindly look seriously into this as NDMC is not cooperating with any shutdown.

(OCC may deliberate)

5. SLDC Agenda:

Automatic Demand Management System (ADMS) Implementations in Delhi.

In 5th Delhi OCC meeting held on 24.08.23, Implementation of ADMS was deliberated and OCC directed that ADMS has to be implemented as per IEGC regulation. Further advised all DISCOMs to explore logic inputs required to implement ADMS in Delhi and shall submit the detailed report in next OCC meeting for further discussion. In 211th NRPC OCC meeting held on 19.09.23, NRPC has enquired about the implementation status of ADMS in Delhi. Delhi Discoms are requested to give their inputs on implementation of ADMS in Delhi.

6th OCC Deliberation: - OCC requested GM (T) SLDC to call separate meeting with DISCOMs, DTL/Protection and SLDC officers in this regard. MOM should be appraised to OCC in the next meeting.

(OCC may deliberate)

6. BRPL Agenda:

In Minutes of Meeting-5th Meeting of Delhi Operation Coordination Committee (2023-24), OCC directed NDMC to resolve energy computation issue before next OCC meeting. But it was not happened, NDMC neither discussing nor resolving long pending issue. Hence BRPL proposed following:

1. Slot-wise energy provided by BRPL for the disputed months to be considered by DTL and process for bill correction.
2. DTL ABT meters installed at AIIMS (33kV I/C Kilokari & ridge valley) and Kidwai Nagar(33kV I/C ridge valley) to be installed at BRPL locations, either shift existing meters or install additional meters as NDMC cannot be trusted after such response.

(OCC may deliberate)

7. BBMB Agenda

a. Request of re-schedule the shutdown for Shifting/Height Raising Work of 220kV D/C NARELA -ROHTAK ROAD Transmission Line of BBMB between Tower No. 1021 — 1022 at Ch. 01+700 - 01+800.

EPC Contractor M/s HG Infra Engineering has requested to re-schedule the Shutdown of 220kV D/C NARELA — ROHTAK ROAD Transmission Line of BBMB between Tower No. 1021 - 1022 at Ch. 01+700 - 01+800.

The said shutdown is already approved in last OCC meeting. However, EPC Contractor has requested to re-schedule the shutdown to take up shifting/height raising work of electrical utility of BBMB. The Details of line is mentioned below:

S No	Name of the Line	Shutdown Required	Circuit	Time	Remarks
1	220kV D/C NARELA - ROHTAK ROAD Line, Ch. 01+700 — 01+800	25 th Oct 2023 to 30 th Oct 2023	CKT-I & II	As per Site Requirement	Monopole Erection work and Stringing Work

The project is of National importance and being reviewed under PRAGATI & PM GATI SAKTI program of Govt. of India. Keeping in view of importance of project, it is requested to provide shutdown of 220kV D/C NARELA — ROHTAK ROAD Transmission Line of BBMB.

BBMB further submitted that during shutdown there will be no other source of supply at 220KV BBMB, Delhi substation. So it is also requested kindly provide back feed of 2-3 MW supply for substation auxiliary consumption etc.

(OCC may deliberate)

b. Requirement of shutdown for the completion of the work for 220kV S/C Panipat-Narela circuit III (133-134).

In reference to above cited subject that Shutdown was approved on 220kV Panipat Narela ckt-3(single circuit) 30.09.22 to 04.10.23, but due to unavoidable reasons Shutdown not availed by the firm i.e. PVP Energy Private Limited.

Now request has been received for rescheduling of Shutdown for execution of work 25.10.2023 to 31.10.2023.

(OCC may deliberate)

c. Requirement of shutdown on 220 kV Ballabgarh-BTPS Ckt.-1&2

The shifting/height raising work at 220 kV Ballabgarh-BTPS D/C line of BBMB between tower no 80-81 at Ch 11+576 is in progress due to construction of Delhi-Mumbai Express Way in the state of Haryana under Bharatmala Pariyojana under self execution by NHAI. This work is being done by M/S PSH Infratech Ltd.

M/S PSH Infratech has requested for shutdown for execution of shifting/height raising work on the above mentioned transmission line and requested for shutdown on 220 kV Ballabgarh-BTPS Ckt.-1&2 from 9:00 hrs dated 30.10.2023 to 18:00 hrs dated 03.11.2023 on continuous basis.

(OCC may deliberate)

8. Long/recent Outage/breakdown of elements in Delhi power system.

Members may update the latest status of following Long/Recent Outage/Breakdowns of elements in the Delhi Power system as under: (breakdown report dt 12.10.2023 as per SLDC website)

S. no	Element's Name	Utility	Date of outage	Date of Restoration	Status of outage
1	66KV PARK STREET TO RIDGE VALLEY	BRPL	14-08-2023	Under Progress	B Phase Cable faulty
2	66kV Gas turbine power to Akshardham temple	BYPL	23-08-2023	Pending due to NHAI work	All Phase Cable Faulty
3	33 kV Lodhi Road to NDSE-2	BRPL	03-09-2023		Y&B Phase Single Cable Faulty (Charged on Second Cable)
4	33 kV Lodhi Road to EOK Ckt	BRPL	11.10.2023		R&B Phase Single Cable Faulty
5	33 kV Shasstri Park to Dwarka Puri	BYPL	11.10.2023		All Pahse Single Cable Faulty

6	66KV PARK STREET-DMRC CKT-I & II	DMRC	19-10-2021	31-12-23	Shutdown of six months for grid shifting work at DMRC end
7	33KV IP BAY-28-CONNAUGHT PLACE	NDMC	26-06-2023	Under progress	R Phase faulty
8	33 kV Lodhi Road to Shahjahan road	NDMC	24-08-2023		B Phase faulty
9	33 kV Trauma Center to Rajiv Gandhi Bhawan	NDMC	29-08-2023		B Phase faulty
10	66 kV RG-28 to RG-6 Ckt-2	TPDDL	14.09.2023		
11	220KV MAHARANI BAGH –MASJID MOTH CKT-II	DTL	29-01-2023	31-12-23	Cable caught fire.
12	220KV BAMNAULI-220KV DIAL CKT-II	DTL	31-01-2023	31-12-23	R phase cable punctured by NHAI during digging work
13	220KV/66KV, 100MVA TX-II PARK STREET	DTL	07-06-2023	31-10-23	Tx under B/D. replacement under process

(OCC may deliberate)

I/30358/2023

File No.CEA-PS-11-22(12)/1/2018-PSPA-I Division

DELHI TRANSCO LTD.
General Manager (Plg)
Diary No. 1358
Date 03/10/23

may please forward to as to discuss in next o.c.e.

DGM (T) PLANNING

DGM (T) PLANNING
DIARY No. 872
22/9/23
R.No. 1358
Date 03/10/23
DELHI TRANSCO LTD.

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली योजना एवं मूल्यांकन-1 प्रभाग
Power System Planning & Appraisal-I Division

Office of Director (Operations)
Delhi Transco Limited
933
19/9/23
3:15 PM

सेवा में / To,
General Manager (T) Planning
Delhi Transco Limited,
Room No. 4 Shakti Deep building,
Jhandewalan,
New Delhi- 110055

May kindly forward to G.M. (Plg) GM (T) O&M-I for communication to P&UL &

Office of Director (Operations)
Delhi Transco Limited
933
19/9/23
3:15 PM

विषय /Subject: DTL's proposal for replacement of existing 400/220 kV 315 MVA ICT (ICT-3, Powergrid Asset) at Bawana substation with 500 MVA ICT

संदर्भ / Reference: DTL's letter no. F.DTL/202/Opr (Plg)/ GM (Plg)/2023-24/F-20/148 dated 21.08.2023

महोदय/ Sir,

DTL vide its letter u/r has submitted the proposal for replacement of existing 400/220 kV, 315 MVA ICT (ICT-3, Powergrid Asset) at Bawana substation with 500 MVA ICT to meet the peak load requirement of Delhi. DTL has submitted the following details regarding the proposal:

- (i) There are 6 nos. of 400/220 kV, 315 MVA ICTs installed at Bawana substation of DTL out of which ICT-3 belongs to Powergrid and rest 5 ICTs belong to DTL.
- (ii) Due to high fault level, bus split operation has been implemented at Bawana and 2x315 MVA and 4x315 MVA ICTs are kept on different bus sections. Present load configuration of 400/220 kV, 6x315 MVA ICTs at Bawana substation is as follows:

ICT	Connected feeders	Remarks
ICT-2 (DTL)	a) 220 kV Rohini-II (both cks) b) 220/66/11 kV, 100 MVA ICT	Connected to 220 kV Bus-I (bus coupler I- OFF) (Radial) *In case when load increases to 80% of the capacity, bus coupler is switched on to manage system load
ICT-3 (Powergrid)	a) 220 kV Kanjawala (both cks)	Connected to 220 kV Bus-II (bus coupler I- OFF) (Radial) *In case when load increases to 80 % of the capacity, bus coupler is switched on

Performs.

GM (Plg)

DGM (T) Plg.

सेवा भवन, आर. के. पुरम-I, नई दिल्ली-110066 टेलीफैक्स: 011-26102045 ईमेल: cea-pspa1@gov.in वेबसाइट: www.cea.nic.in
Sewa Bhawan, R.K Puram-I, New Delhi-110066Telefax: 011-26102045 email: cea-pspa1@gov.in Website: www.cea.nic.in

I/30358/2023

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		to manage system load
ICT-I, IV, V, VI (DTL)	a) 220 kV Rohini-I (both ckts) b) 220 kV Shalimar Bagh (both ckts) c) 220 kV DSIIDC (both ckts)	220 kV bus coupler II and 220 kV bus coupler III- ON (i.e. all 4 ICTs operate in parallel)

SLD of the Bawana substation is attached as Annexure 1.

- (iii) As per loading conditions at Bawana substation, DTL has already planned replacement of ICT-2 and ICT-4 with 500 MVA ICTs. In addition, replacement of ICT-3, which belongs to Powergrid, is also required to make the system 'N-1' compliant.

Comments were sought from CTUIL and Grid-India on the above proposal. Based on the comments of CTUIL and Grid-India, our observations are as follows:

- (i) As per the loading pattern furnished by Grid-India, it can be observed that loading on ICT-2 and ICT-3 are in the range of about 400-450 MW. Therefore, replacement of both the 400/220 kV, 315 MVA ICTs (ICT-2 & 3) with 500 MVA ICTs is required to ensure 'N-1' compliance, out of which, replacement of ICT-2 has already been planned by DTL.
- (ii) CTUIL has suggested that DTL may expedite the implementation of Tikri Khurd substation as it will relieve the loading on the 400/220 kV ICTs at Bawana substation.

In view of the above, proposal submitted by DTL for replacement of 400/220 kV, 315 MVA ICT (ICT-3, Powergrid asset) is generally in order. The modalities regarding the replacement of the ICT-3 and utilization of the 315 MVA ICT spared after replacement may be deliberated in the NRPC/OCC forum. DTL is also requested to expedite the implementation of Tikri Khurd substation as it would help in relieving the loading on the 400/220 kV ICTs at Bawana substation.

भवदीय / Yours faithfully,

Signed by Manjari
Chaturvedi

Date: 18-09-2023 10:16:50

(मंजरी चतुर्वेदी/Manjari Chaturvedi)
(निदेशक/ Director)

Copy to:

1. Member Secretary, NRPC, Katwaria Sarai, New Delhi – 110010
2. COO (CTUIL), Saudamini, Plot no. 2, Sector -29, Gurgaon-122 001
3. Director (System Operation), Grid Controller of India Limited (Grid-India), B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110010
4. CMD, Powergrid, Saudamini, Plot no. 2, Sector -29, Gurgaon-122 001

Additional Agenda:

DTL Agenda: Approval of Shutdown of 220 KV Bus Bar-I & II at 220kV GIS Kashmere Gate for the work of Design, supply & ETC of 05 Nos. 220kV GIS Bays extension along with civil works at existing 220/33kV GIS S/Stn Kashmere Gate

The Schedule of Shutdown are as under:-

S.No	Activities	Element for shutdown	Tentative Duration of Shutdown
1	Preparation, Isolating link Installation, Bays Installation	220 KV Bus Bar-I	27/11/2023 to 11/12/2023 (15 Days)
2	Preparation, Isolating link Installation, Bay Installation	220 KV Bus Bar-II	12/12/2023 to 23/12/2023 (12 Days)
3	HV Testing (TestSequence-1)	220 KV Bus Bar-I	31/01/2024 to 06/02/2024 (07 Days)
4	HV Testing (TestSequence-2)	220 KV Bus Bar-II	07/02/2024 to 13/02/2024 (07 Days)
5	220 KV Bus Bar-1 Link Connection	220 KV Bus Bar-I	19/02/2024 to 21/02/2024 (03 Days)
6	220 KV Bus Bar-2 Link Connection	220 KV Bus Bar-II	22/02/2024 to 24/02/2024 (03 Days)

M/s. Siemens has submitted the Shutdown requirement schedule for 220 KV Bus Bar-I & Bus Bar-II GIS Interconnection work w.e.f 27/11/2023 at 220 KV S/Stn. Kashmere Gate.

(OCC may deliberate)

Additional Agenda:

TPDDL Agenda: Regarding the high voltage issues that we have been experiencing in the TPDDL Grids.

It has come to attention of TPDDL that the high voltage levels were received in TPDDL Grids over past month, after a careful analysis of the situation, TPDDL has identified one potential contributing factor: the TAP positions of the 100/160 MVA PTRs in the DTL Grids. They propose a reduction of the TAP positions of all 100/160 MVA PTRs in the DTL Grids by 2 to 3 steps. This adjustment could help them to maintain a more consistent voltage level and reduce the impact of high voltage fluctuations on the TPDDL Grids. Moreover, DTL to explore alternative measures that could further enhance the reduction of the high voltage levels received in TPDDL

(OCC may deliberate)

PPCL Agenda:

Format I(B): Request For Bus, Bay, ICTs, Reactor, FACTS, FSCs, SVCs etc (to be submitted by Indenting agency to NRPC)													
Indenting Agency: 1500 MW CCGT, BAWANA						For the Month: Dec 2023			Date of submission				
Sl. No	Line Details						Daily/Continuous	Reason	Proposed Date and Time			Remarks	
	Voltage Level (kV)	Name of the Element	Substation	Element ID	Owner	Category (A/B/C/D) as per para 4.5 of the procedure			From Date	From Time	To Date		To Time
1	400 KV	BUS-I	1500 MW CCGT, BAWANA		PPCL	A	CONTINUOUS	Cleaning of BPI of 400 kV Bus-I to avoid unwanted tripping due to fog	12.12.23	0900 Hrs	12.12.2023	1800 Hrs	All load will be shifted to 400 KV Bus-II CCGT Bawana through TIE Breakers

2	400 KV	BUS-II	1500 MW CCGT, BAWANA		PPCL	A	CONTINUOUS	Cleaning of BPI of 400 kV Bus-II to avoid unwanted tripping due to fog	05.12.23	0900 Hrs	05.12.2023	1800 Hrs	All load will be shifted to 400 KV Bus-I CCGT Bawana through TIE Breakers
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(OCC may deliberate)
