

	<p style="text-align: center;">DELHI TRANSCO LIMITED (A Govt. of NCT of Delhi Undertaking) An ISO 9001:2015 certified company {Office of DGM(T)-OS} IInd Floor, Park Street Building, New Delhi-110001 Website:-www.dtl.gov.in</p>
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No. F.DTL/2020-21/DGM (OS)/ OCC /57

Date: 01.02.2021

**Subject: 9th Meeting of Delhi Operation Coordination Committee (2020-21)
- Minutes of Meeting.**

The 9th meeting of Delhi Operation Coordination Committee (OCC) was held on 27.01.2021 (Wednesday), 11:00 A.M and conducted through online mode.

The Minutes of Meeting are enclosed for information and necessary action.

Minutes of Meeting are also available on DTL website, www.dtl.gov.in under the tab “News and Information”-OCC Meeting.

Thanking You.

Sincerely yours,

---Sd/--

(Hitesh Kumar)

Dy. General Manager (OS)

Delhi Transco Limited

Copy for favor of kind information to:

- (i) Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-17
- (ii) CMD, DTL
- (iii) Director (Operation), DTL

Dy. General Manager (OS)

To all members - - *As per list enclosed* - -

9th Meeting of Delhi Operation Coordination Committee (2020-21)- Minutes of Meeting

Distribution List:

DTL	General Manager (O&M)-I, Chairman OCC General Manager (O&M)-II General Manager (P&M, DM&S) General Manager (Planning) DGM (O&M) - North, East, West, South DGM (M/P) DGM (Plg.)
SLDC	General Manager (SLDC) DGM (SO)
TPDDL	HOD (PSC &AM), Sr. Manager (PSC)
BRPL	VP, AVP (SO)
BYPL	VP, AVP (SO)
NDMC	Superintending Engineer, E-1
IPGCL	AGM (T) Opr. GTPS
PPCL	AGM (T) Opr.PPS-I AGM (T) Opr. PPS-III
MES	AEE/M.SLDC Officer
BBMB	Sr. Executive Engineer, O&M
DMRC	GM (Traction), Sr.DGM (Traction)
GMR(DIAL)	GM(DIAL)
N. Railways	Sr. DEE (TRD)

Minutes of 9th Delhi OCC Meeting held on 27.01.2021

Date :	27.01.2021
Time:	11:00 AM
Venue:	Online Via Video conferencing O/o-GM(O&M)-I, Delhi Transco Ltd., 220 kV Sub-Stn Park Street, New Delhi-110001

Chairman, OCC welcomed the members/ participants and requested to start the meeting as per circulated agenda.

- **Review of Grid operations of December-2020**

- (i) The peak demand for December-2020 was 4671 MW against peak demand of 5245 MW in December -2019.
- (ii) Total energy consumed in December -2020 was 2024.811 MUs against energy consumed 2150.631 MUs in December -2019.

- **Planning of Grid operation for February-2021**

SLDC Delhi informed that, anticipated peak demand for February 2021 is 4450MW and expected availability is 5005 MW (Surplus +555 MW). Anticipated maximum energy requirement for a day is 67.85MUs and expected availability is 117.16MUs (Surplus +49.31MUs).

List of participants is enclosed as Annexure-I.

1. Confirmation of minutes of 8th Delhi OCC meeting (2020-21) held on dated 29.12.2020.

The 8th Delhi OCC meeting (2020-21) was held on 29.12.2020 through video conferencing in accordance with the agenda circulated vide letter dt: 22.12.2020. Minutes of the aforesaid OCC meeting were issued on 11.01.2021 and the same was also uploaded on DTL website.

TPDDL raised the point of submission of data of essential loads by DISCOMs in respect of the S. No. 6. “Review of Delhi islanding Scheme” of previous MOM:

1. The discussion is required for provision of data as it is not understood why tail end data is asked as the quantum of essential load has already been shared.
2. It may be appreciated that survival of Delhi Islanding is only practically possible only when automatic load disconnection excluding the essential load (already quantified by DISCOMs) is carried out at 400/220 KV Grid s/stns. of DTL.

The matter was deliberated in the OCC meeting.

OCC again requested all DISCOMS to provide data of actual Critical/ Super critical load being fed from DISCOM feeder with proper feeder name, name of actual critical/ Super critical load such as Hospital/Water treatment/ DMRC/ GMR/ VVIP areas and Name of DTL substation & DISCOM feeder from DTL end as per requirement of NRPC.

OCC advised that, DISCOMs, DTL & Generators under Delhi Islanding scheme shall provide details/ submissions to SLDC for review/ finalization of Islanding scheme. The required data is to be submitted within one week time.

(Action by DISCOMs, GENCOS, DTL & SLDC)

Members confirmed the Minutes of 8th OCC Meeting.

DTL Agenda:

2. Proposed planned shutdowns of DTL for the month of February-2021

OCC Chairman advised all the utilities to plan maintenance/up-gradation/replacement activities in lean load period as per respective maintenance plans in preparation of meeting the load requirements of next summer season. It was informed by NDMC that Budget Session of Parliament House will start from 29.01.2021 to 15.02.2021 and 08.03.2021 to 08.04.2021. After detailed discussion with members, OCC approved planned shutdowns subject to real time conditions & consent from DISCOMs. **Major Shutdown works at Park Street, IP, Rajghat, Pragati, Patparganj & SOW will be allowed between 16.02.2021 to 07.03.2021 only.**

3. Survival of Local Island at GTPS/ Pragati.

During 20th GCC meeting as per MoM at S.No. 2.4 (9.12) following was discussed:-

“BYPL representative raised the issue of survival and subsequent synchronizing of local islanding at GT/ Pragati.

GCC advised DTL to carry out a joint visit with Discoms and IPGCL/ PPCL to analyze the requirements for sustaining Local Island at GT station”. -

The matter was deliberated in Delhi OCC meeting held on 28.03.2019 and a committee comprising of following members was constituted for carrying out above work at Pragati:-

- (i) Sh. SatyendraPrakash, AGM (Elect./C&I), PPS-I, PPCL.
- (ii) Sh. B.L. Gujar, DGM (Prot.), DTL.
- (iii) Sh. Bharat Tiwari, MGR(OS), DTL
- (iv) Sh. Deepak Kumar, AM(T)-Pragati, DTL.

DTL/ Pragati & PPCL informed that the works of control of 220 kV Bus-coupler at PPCL end has been completed for synchronization of GT with grid. The testing of this control scheme also done on 25.01.2021.

OCC requested DTL & PPCL to share the details of final control scheme with Delhi SLDC.

BRPL Agenda:

4. Erratic Scheduling by Wind Energy plants, leading to levy of addl. deviation penalty on DISCOMS

Presently, the Scheduling of Wind and Solar generating stations are guided based on “Procedure for implementation of the framework on Forecasting, Scheduling and Imbalance Handling for Renewable Energy (RE) Generating Stations including Power Parks based on wind and solar at Inter-State level”, notified by CERC on 3rd March 2017 wherein Clause 8.6 states that “The schedule by RE generators or lead generator or principal generator may be revised by giving advance notice to the concerned RLDC, as the case may be. Such revisions shall be effective from 4th time block, the first being the time-block in which notice was given. There may be one revision for each time slot of one and half hours starting from 00:00 hours of a particular day subject to maximum of 16 revisions during the day”

However, as per 6th Amendment to Indian Electricity Grid Code, notified by CERC on 12th Dec 2019 clause (18) of Regulation 6.5 of Part 6 of the Principal Regulations, has been substituted as under:

“Revision of declared capability by the ISGS(s) having two part tariff with capacity charge and energy charge and requisition by beneficiary (ies) for the remaining period of the day shall also be permitted with advance notice. Any revision in schedule made in odd time blocks shall become effective from 7th time block and any revision in schedule made in even

time blocks shall become effective from 8th time block, counting the time block in which the request for revision has been received by the RLDCs to be the first one.”

Also, the 2nd Amendment to Power Market Regulation notified by CERC on 12th Dec 2019, new Sub-clause (na) has been added after Sub-clause (n) of Clause (i) of Regulation 2 of the Principal Regulations, as under :-

“Gate Closure” in reference to Real-Time Market refers to the time after which the bids submitted to the Power Exchange cannot be modified for a specified delivery period.”

RTM Auction Start Time	RTM Auction End Time	RTM Clearing Interval and publication in the website	Communication of Schedule to NLDC/RLDCs/SLDCs	Final Schedule Preparation	Preparation time for despatch	Delivery Period
Illustration - A						
22:45 Hrs (of the previous day)	23:00 Hrs (of the previous day)	23:00 Hrs – 23:15 Hrs (of the previous day)	23:15 Hrs – 23:30 Hrs (of the previous day)	23:30 Hrs – 23:45 Hrs (of the previous day)	23:45 Hrs – 24:00 Hrs (of the previous day)	00:00:00 – 00:30:00
23:15 Hrs (of the previous day)	23:30 Hrs (of the previous day)	23:30 Hrs – 23:45 Hrs (of the previous day)	23:45 Hrs – 00:00 Hrs (of the previous day)	00:00 Hrs – 00:15 Hrs	00:15 Hrs – 00:30 Hrs	00:30:00 – 01:00:00
Illustration - B						
07:45 Hrs	08:00 Hrs	08:00 Hrs – 08:15 Hrs)	08:15 Hrs – 08:30 Hrs	08:30 Hrs – 08:45 Hrs	08:45 Hrs – 09:00 Hrs	09:00:00 – 09:30:00
Illustration - C						
20:45Hrs	21:00Hrs	21:00 Hrs – 21:15 Hrs	21:15 Hrs – 21:30 Hrs	21:30 Hrs – 21:45 Hrs	21:45 Hrs – 22:00 Hrs	22:00:00 – 22:30:00

Illustration of Gate Closure concept (given above) has been quoted by CERC in “Framework for Real time Market of Electricity” and also in “6th Amendment to Open Access in Interstate Transmission Regulations, 2008”:-

Hence, any revision sent by DISCOM to correct its position as per its prevailing load or to change the sign of deviation, now is being implemented only from 7th/8th block depending on the slot in which the revision is sent or else through RTM as per timelines cited above. This has led to a situation where in the schedule of Wind generating plants gets changed within 04 time blocks or in some cases even before that resulting in DISCOMS facing the heat of such instances because the DISCOMS are left with no time to place the bid in RTM or change their schedule by sending revision in other plants, hence, attracting DSM penalty due to erratic scheduling in real time. A compilation of similar instances where there is change in schedule of Wind plants without giving enough heads-up to BRPL is annexed as Annexure 1 for your kind reference.

We would like to draw your attention towards the fact that with consistent efforts to reduce carbon footprints and compliance of Renewable Purchase Obligation as per DERC/CERC extant regulation, BRPL has already signed PSA of around 1100 MW (Solar and Wind) which is expected to be on bar in next 1 to 2 years. As on date, about 167 MW wind and 20 MW solar are on bar. In this scenario, the above mentioned case of drastic increase/decrease

of wind energy plants will only add to plight of any DISCOM resulting in erratic scheduling and deviation from the schedule leading to violations of the grid code due to factors which are beyond the control of the DISCOM.

BRPL requested that, suitable changes need to be brought in the RE Forecasting and Scheduling regulation mentioned in the above that to allow Distribution companies to correct its schedule by tapping real time markets in order to avoid grid violations.

After detailed discussion, OCC advised DISCOMs to take up this matter with CERC/ NRPC for appropriate change in regulation of Forecasting & Scheduling of Wind and solar generating plants.

PPCL Agenda:

5. Restoration of Road Area excavated by DTL for laying of U/G 220 kV cable at PPS-I and clearance of DTL scrap material lying in premises of Pragati Power Station-I

The main road was excavated for laying of U/G 220 kV cables during Jan/Feb'2020 with the commitments to restore the road 'as it was basis' immediately after completion of project work but the same is not restored as per original.

It has already been informed to DTL that loose sand lying under this area causing choking our GT inlet Filter media resulting premature replacement and financial losses. The condition of excavated area has worsen further after the rains where loose soil rammed down at both side of main gate of plant and other area making it accident prone and thus becomes a safety concerned .In spite of our several reminders through letters, mails & calls to all DTL project officials, nothing has moved yet. The same is yet to be restored as per civil standards.

Apart from this, following surplus and scrape material are lying under our premises even after commissioning of newly laid cables : Empty 220 kV cable drums, 220 kV cable drums, 220 kV old cables, Mixed-waste: shuttering panels, cable insulation, wooden & metal scrap.

It is requested to DTL project to expedite and provide a fixed time frame for completion of above works.

During OCC meeting, DTL Project Department informed that vide letter dt. 22.01.2021, PPCL has already been informed that road restoration work is under progress and expected to be completed by end of Feb-2021. Surplus/ scrap materials of cables will also be removed from PPS-I by the end of Jan-2021.

(Action by DTL)

6. Sharing of grid disturbance data with Pragati PPS-I

The grid disturbance at 220 kV Pragati has become frequent and it's disrupting the generation at PPS-1. At many occasions, DTL has been requested to share the data of grid disturbance for analysis of tripping of generators at PPS-1 but no data been shared.

After detailed deliberation, OCC requested SLDC to share the report of grid disturbance incidents to concerned generating stations also to analyze the reasons caused disturbances at generating end.

(Action by SLDC)

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

Members updated the latest status of following Long/Recent Outage/Breakdowns of elements in Delhi Power system as under:

S.N	Element's Name	DISCOM /DTL	Date and Time of outage	Status of outage as on 27.01.2021
1	33 kV RIDGE VALLEY - KHEBAR LANE CKT.-II	BRPL	01.06.2019	'Y' PH. Single cable faulty. BRPL informed that the agenda related to handover this ckt to MES has been discussed in Steering Committee. BRPL requested OCC to remove this feeder from OCC, as from now onwards this matter will be a part of steering committee.
2	220 kV OKHLA - 33 kV NEHRU PLACE CKT.-IV	BRPL	02.01.2021	'R' PH. SINGLE CABLE FAULTY. Ckt will be charged by 03.02.2021.
3	220 kV Shalimar Bagh- 33 kV Jahangirpuri CKT.	TPDDL	08.12.2020	'R' PH. CABLE FAULTY Ckt energized on 19.01.2021
4	33 kV ROHTAK ROAD - KIRTI NAGAR CKT	TPDDL	05.01.2021	2ND CABLE FAULTY Ckt energized on 13.01.2021

S.N	Element's Name	DISCOM /DTL	Date and Time of outage	Status of outage as on 27.01.2021
5	66 kV GUEST HOUSE CKT- 220 kV PARK STREET -	NDMC	01.11.2020	'B' & Y'PH. CABLE FAULTY
6	33 kV BAY - 4 (IP - ELECTRIC LANE)	NDMC	12.01.2021	'B' PH. CABLE FAULTY Ckt will be charged by the end of Feb-2021.
7	220/66 kV 160 MVA PR.TR.-II AT R.K. PURAM	DTL	06.03.2020	TX found faulty. After repairing, it is under erection & expected to energize by 31.01.2021.
8	220 kV Najafgarh: 66 kV CAPACITOR BANK -1, 2 & 3	DTL	01.10.2020, 09.10.2020	SHUTDOWN FOR Dismantling & Augmentation WORK. Expected to be energized by 05.02.2021
9	At Rohini-I:- 20MVA PR. TR .-II	DTL	05.01.2021	Shutdown for TX overhauling. Expected by 02.02.2021.
10	AT KANJHAWALA : 20MVA PR.TR.-II	DTL	08.01.2021	Shutdown for TX overhauling. Expected by 05.02.2021.
11	At Rohini-I : 66 kV BUS - II	DTL	08.01.2021	SHUT DOWN FOR REPLACEMENT OF ISOLATORS OF O/G FEEDERS. Expected by 02.02.2021.
12	66 kV NARELA-Bhalaswa Ckt-I & II	TPDDL	10.11.2020	Shutdown for conductor replacement & Tower erection works. Ckt will be charged by mid Feb-2021

The meeting ended with thanks to the Chair.
