



**DELHI TRANSCO LIMITED**  
(A Govt. of NCT of Delhi Undertaking)  
An ISO 9001:2008 certified company  
Office of DGM(T) OS, Convener-OCC  
1<sup>st</sup> Floor, 220 kV Sub-Stn Park Street, Opp. Talkatora Stadium,  
Near R.M.L. Hospital, New Delhi-110001  
Web:-www.dtl.gov.in, E-mail :- dgm.os@dtl.gov.in

No. F.DTL/831/F.4/2017-18/DGM (OS)/89

Date:16.02.2018

To,

**All Members of Operation Co-ordination committee**

|                    |   |  |
|--------------------|---|--|
| <b>DTL</b>         | General Manager (O&M)-I, Chairman OCC<br>General Manager (O&M)-II<br>General Manager (Protection, Metering & Disaster Mgmt.)<br>General Manager (Planning)<br>DGM (O&M)- North, East, West, South<br>DGM (M/P)<br>DGM(Plg.) | Fax no. 011-23366160<br>Fax No.011-23622707      |
| <b>SLDC</b>        | ED (SLDC)<br>DGM (SO)   | Fax no. 011-23221069<br>Fax no. 011-23221059/12, |
| <b>TPDDL</b>       | HOD (PSC &AM)<br>Sr. Manager (PSC)  | Fax no. 011-66050602<br>Fax no. 011-66050602     |
| <b>BRPL</b>        | Vice President (SO)   | Fax no. 011-39996549                             |
| <b>BYPL</b>        | AVP (SO)  | Fax no. 011-39996549                             |
| <b>NDMC</b>        | Superintending Engineer   | Fax no. 011-23235754                             |
| <b>IPGCL</b>       | AGM (T) COS<br>AGM (T) Opr. GTPS  | Fax no. 011-23284797<br>Fax no. 011-23370884     |
| <b>PPCL</b>        | DGM (T) Opr. PPS-I<br>DGM (T) Opr. PPS-III  | Fax no. 011-23378947<br>Fax no. 011-27791175     |
| <b>MES</b>         | AEE/M.SLDC Officer  |  |
| <b>BTPS</b>        | AGM (EEMG)  | Fax no. 011-26944348                             |
| <b>BBMB</b>        | Sr. Executive Engineer, O&M   | Fax no. 011-28315542                             |
| <b>DMRC</b>        | Addl. GM (Elect.)   | Special Invitee                                  |
| <b>DMRC</b>        | General Manager (Elect.)  | Special Invitee                                  |
| <b>GMR(DIAL)</b>   | GM(DIAL)  | Special Invitee                                  |
| <b>N. Railways</b> | Sr. DEE (TRD)   | Special Invitee                                  |
| <b>EDWPCL</b>      | Director(EDWPCL)  | Special Invitee                                  |
| <b>Delhi MSWSL</b> | Station Incharge  | Special Invitee                                  |

**Sub: Agenda for next Delhi OCC Meeting (11/17-18) to be held on 21.02.2018 (Wednesday) at 2:30 P.M.**

Dear sir/madam,

The next Delhi OCC meeting is scheduled to be held on dt.- 21.02.2018(Wednesday), 2:30 P.M. at the following venue:-

**O/o-GM(O&M)-I, Delhi Transco Ltd., 220 kV Sub-Stn Park Street,  
Opp. Talkatora Stadium, Near R.M.L. Hospital, New Delhi-110001**

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

Thanking You.

**Encl: Agenda for Delhi 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 DELHI OCC MEETING NO. 11/17-18**

**Date** : 21.02.2018 (Wednesday)  
**Time** : 2:30 PM  
**Venue** : O/o-GM(O&M)-I, Delhi Transco Ltd.,  
 220 kV Sub-Stn Park Street,  
 Opp. Talkatora Stadium, Near R.M.L. Hospital,  
 New Delhi-110001

**1. Confirmation of minutes of Delhi OCC meeting held on dated 22.01.2018.**

The previous Delhi OCC meeting was held on 22.01.2018 in accordance with the agenda circulated vide letter dt: 15.01.2018. Minutes of the aforesaid OCC meeting were issued vide letter dt.02.02.2018.

**Members may like to confirm the same.**

**2. DTL AGENDA POINTS:**

**2.1 Status of Hot Reserve of transformers at all levels.**

The latest updated hot reserve of transformers were as under:-

| S.No. | Transformation Capacity | Population in no. | Hot Reserve (No.) Decided | Present Status   |
|-------|-------------------------|-------------------|---------------------------|--|
| 1.    | 400/220kV, 500MVA ICT   | 2                 | 1x500MVA                  | One 400/220kV 500MVA transformer would be installed as hot reserve by the year 2019-20 and would be placed at Bamnauli. In case of damage of 315MVA in future, the same would be replaced with 500MVA.       |
| 2.    | 400/220kV, 315MVA ICT   | 14                |                           |  |
| 3.    | 220/66kV, 160MVA        | 22                | 2x160MVA<br>+1x100 MVA    | One 160MVA transformer would be kept as hot reserve and placed at Mundka and the 2nd 160MVA Hot reserve 220/66kV transformer would be kept at Rohini-2. Both the transformers should be provided by 2019-20. |
| 4.    | 220/66kV, 100MVA        | 42                |                           | The 220/66kV, 100MVA transformer damaged at Papankalan-I after its repair would also be treated as hot reserve and would be kept at Papankalan-I.  |
| 5     | 220/33kV, 100MVA        | 37                | 2                         | One 220/33kV, 100MVA transformer which has already been decided as hot reserve and proposed at Patparganj. Eventually, the transformer is required to be shifted to Naraina due to the                       |

|       |                  |                         |                             | failure of 100MVA at 220kV Naraina. Therefore, the new hot reserve is required at 220kV Patparganj. The other Hot Reserve Transformer would be placed at Kashmere Gate. These transformers would be provided by 2019-20.  |                   |             |                         |                   |      |   |            |                       |                       |         |            |                       |                       |         |   |           |                       |                             |         |   |       |                       |                             |         |   |              |                       |                             |         |   |               |                       |                             |         |   |          |                       |                             |         |
|-------|------------------|-------------------------|-----------------------------|---|-------------------|-------------|-------------------------|-------------------|------|---|------------|-----------------------|-----------------------|---------|------------|-----------------------|-----------------------|---------|---|-----------|-----------------------|-----------------------------|---------|---|-------|-----------------------|-----------------------------|---------|---|--------------|-----------------------|-----------------------------|---------|---|---------------|-----------------------|-----------------------------|---------|---|----------|-----------------------|-----------------------------|---------|
| 6     | 66/11kV<br>20MVA | 24                      | NIL                         | <p>Steering Committee in its meeting held on 15.03.2017 has decided that in case of exigency, the Discoms may provide these transformer on returnable basis.</p> <p>As per the decision taken in the Steering Committee Meeting held on 30.10.17 the transformer augmentation has been planned as under:</p> <table border="1"> <thead> <tr> <th>S . N</th> <th>Sub Station</th> <th>Details of existing Tx.</th> <th>Augmentation Plan</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td>Lodhi Road</td> <td>2 no 33/11kV<br/>20MVA</td> <td>2 no 33/11kV<br/>25MVA</td> <td>2018-19</td> </tr> <tr> <td>Lodhi Road</td> <td>2 no 33/11kV<br/>16MVA</td> <td>2 no 33/11kV<br/>25MVA</td> <td>2018-19</td> </tr> <tr> <td>2</td> <td>Najafgarh</td> <td>2 no 66/11kV<br/>20MVA</td> <td>2 no 33/11kV<br/>31.5MV<br/>A</td> <td>2019-20</td> </tr> <tr> <td>3</td> <td>Okhla</td> <td>2 no 66/11kV<br/>20MVA</td> <td>2 no 66/11kV<br/>31.5MV<br/>A</td> <td>2019-20</td> </tr> <tr> <td>4</td> <td>Sarita Vihar</td> <td>2 no 66/11kV<br/>20MVA</td> <td>2 no 66/11kV<br/>31.5MV<br/>A</td> <td>2019-20</td> </tr> <tr> <td>5</td> <td>Pappankalan-I</td> <td>2 no 66/11kV<br/>20MVA</td> <td>2 no 66/11kV<br/>31.5MV<br/>A</td> <td>2020-21</td> </tr> <tr> <td>6</td> <td>Mehrauli</td> <td>2 no 66/11kV<br/>20MVA</td> <td>2 no 66/11kV<br/>31.5MV<br/>A</td> <td>2021-22</td> </tr> </tbody> </table> | S . N             | Sub Station | Details of existing Tx. | Augmentation Plan | Year | 1 | Lodhi Road | 2 no 33/11kV<br>20MVA | 2 no 33/11kV<br>25MVA | 2018-19 | Lodhi Road | 2 no 33/11kV<br>16MVA | 2 no 33/11kV<br>25MVA | 2018-19 | 2 | Najafgarh | 2 no 66/11kV<br>20MVA | 2 no 33/11kV<br>31.5MV<br>A | 2019-20 | 3 | Okhla | 2 no 66/11kV<br>20MVA | 2 no 66/11kV<br>31.5MV<br>A | 2019-20 | 4 | Sarita Vihar | 2 no 66/11kV<br>20MVA | 2 no 66/11kV<br>31.5MV<br>A | 2019-20 | 5 | Pappankalan-I | 2 no 66/11kV<br>20MVA | 2 no 66/11kV<br>31.5MV<br>A | 2020-21 | 6 | Mehrauli | 2 no 66/11kV<br>20MVA | 2 no 66/11kV<br>31.5MV<br>A | 2021-22 |
| S . N | Sub Station      | Details of existing Tx. |                             |   | Augmentation Plan | Year        |                         |                   |      |   |            |                       |                       |         |            |                       |                       |         |   |           |                       |                             |         |   |       |                       |                             |         |   |              |                       |                             |         |   |               |                       |                             |         |   |          |                       |                             |         |
| 1     | Lodhi Road       | 2 no 33/11kV<br>20MVA   | 2 no 33/11kV<br>25MVA       | 2018-19   |                   |             |                         |                   |      |   |            |                       |                       |         |            |                       |                       |         |   |           |                       |                             |         |   |       |                       |                             |         |   |              |                       |                             |         |   |               |                       |                             |         |   |          |                       |                             |         |
|       | Lodhi Road       | 2 no 33/11kV<br>16MVA   | 2 no 33/11kV<br>25MVA       | 2018-19   |                   |             |                         |                   |      |   |            |                       |                       |         |            |                       |                       |         |   |           |                       |                             |         |   |       |                       |                             |         |   |              |                       |                             |         |   |               |                       |                             |         |   |          |                       |                             |         |
| 2     | Najafgarh        | 2 no 66/11kV<br>20MVA   | 2 no 33/11kV<br>31.5MV<br>A | 2019-20   |                   |             |                         |                   |      |   |            |                       |                       |         |            |                       |                       |         |   |           |                       |                             |         |   |       |                       |                             |         |   |              |                       |                             |         |   |               |                       |                             |         |   |          |                       |                             |         |
| 3     | Okhla            | 2 no 66/11kV<br>20MVA   | 2 no 66/11kV<br>31.5MV<br>A | 2019-20   |                   |             |                         |                   |      |   |            |                       |                       |         |            |                       |                       |         |   |           |                       |                             |         |   |       |                       |                             |         |   |              |                       |                             |         |   |               |                       |                             |         |   |          |                       |                             |         |
| 4     | Sarita Vihar     | 2 no 66/11kV<br>20MVA   | 2 no 66/11kV<br>31.5MV<br>A | 2019-20   |                   |             |                         |                   |      |   |            |                       |                       |         |            |                       |                       |         |   |           |                       |                             |         |   |       |                       |                             |         |   |              |                       |                             |         |   |               |                       |                             |         |   |          |                       |                             |         |
| 5     | Pappankalan-I    | 2 no 66/11kV<br>20MVA   | 2 no 66/11kV<br>31.5MV<br>A | 2020-21   |                   |             |                         |                   |      |   |            |                       |                       |         |            |                       |                       |         |   |           |                       |                             |         |   |       |                       |                             |         |   |              |                       |                             |         |   |               |                       |                             |         |   |          |                       |                             |         |
| 6     | Mehrauli         | 2 no 66/11kV<br>20MVA   | 2 no 66/11kV<br>31.5MV<br>A | 2021-22   |                   |             |                         |                   |      |   |            |                       |                       |         |            |                       |                       |         |   |           |                       |                             |         |   |       |                       |                             |         |   |              |                       |                             |         |   |               |                       |                             |         |   |          |                       |                             |         |
| 7     | 33/11kV<br>16MVA | 16                      |                             |   |                   |             |                         |                   |      |   |            |                       |                       |         |            |                       |                       |         |   |           |                       |                             |         |   |       |                       |                             |         |   |              |                       |                             |         |   |               |                       |                             |         |   |          |                       |                             |         |

**Note:** Further, it was also noted that the O&M Department of DTL has proposed for replacement of outlived transformers at various locations as per the details given below:

1. Augmentation of 100MVA, 220/66kV Transformer with 160MVA, 220/66kV Transformer:

| S. No. | Transformer Details  | Qty.    | Reason                                      |
|--------|--|---------|---|
| 1.     | 100MVA Transformer at 220kV S/Stn. Sarita Vihar                  | 1 No.   | Outlived                                    |
| 2.     | 100MVA Transformer at 220kV S/Stn. Narela                        | 1 No.   | Outlived                                    |
| 3.     | 100MVA Transformer at 220kV S/Stn. Najafgarh                     | 2 No.   | Outlived                                    |
| 4.     | 100MVA Transformer at 220kV S/Stn. Okhla                         | 2 No.   | Outlived                                    |
| 5.     | 100MVA Transformer at 220kV S/Stn. Mehrauli                      | 1 No.   | Outlived                                    |
| 6.     | 100MVA Transformer at 220kV S/Stn. Patparganj                    | 2 No.   | Outlived                                    |
| 7.     | 100MVA Transformer at 220kV S/Stn. Mehrauli commissioned in 1984 | 1 No.   | Outlived                                    |
| 8.     | 100MVA Transformer at 220kV S/Stn. Rohini-I commissioned in 1993 | 1 No.   | Approaching end of useful life of 25 years. |
| Total  |  | 11 Nos. |   |

2. Replacement of 100MVA, 220/33kV Transformers:

| Sr. No. | Transformer Details   | Qty.   | Reason   |
|---------|---|--------|--|
| 1.      | 100MVA Transformer at 220kV S/Stn. Rajghat commissioned in 1986       | 1 No.  | Outlived   |
| 2.      | 100MVA Transformer at 220kV S/Stn. Subzi Mandi commissioned in 1992   | 1 No.  | Outlived   |
| 3.      | 100MVA Transformer at 220kV S/Stn. Lodhi Road commissioned in 1994    | 1 No.  | Approaching end of useful life of 25 years (damaged) |
| 4.      | 100MVA Transformer at 220kV S/Stn. Shalimar Bagh commissioned in 1989 | 1 No.  | Outlived   |
| Total   |   | 4 Nos. |  |

However, the Steering Committee has noted the proposals incorporated in Business Plan of DTL for the period 2017-22 as under:

**Augmentation of 100MVA, 220/66kV Transformer with 160MVA as per Business Plan**

| Sr. No. | Name of the Sub Station | Qty. (No.) | Year    | Scheme status as on date |
|---------|-------------------------|------------|---------|--------------------------|
| 1.      | Sarita Vihar            | 1          | 2018-19 | Under tendering stage    |
| 2.      | Narela                  | 1          | 2018-19 | Under Preparation        |
| 3.      | Najafgarh               | 2          | 2018-19 | Under tendering stage    |
| 4.      | Okhla                   | 1          | 2018-19 | Under Preparation        |
| 5.      | Mehrauli                | 1          | 2019-20 | To be prepared           |
| 6.      | Patparganj              | 2          | 2019-20 | To be prepared           |
|         | Total                   | 8          |         |                          |

DTL Planning/C&MM deptt. to update the latest status.

**2.2 Status of Supply of 3 nos. 100 MVA, 220/33kV BHEL make Transformers against MOU-II project.**

Three nos. 220/33kV, 100 MVA BHEL make Transformers are to be supplied against MOU-II project. The first 100 MVA Transformer has reached the Naraina site.

**Schedule of delivery of second and third transformer be appraised.**

**During the previous OCC meeting, it was advised that DTL Plg. Deptt. should follow up for the earliest delivery of transformers and to apprise OCC regarding latest status of supply and erection of these transformers in next OCC meeting.**

**DTL Planning deptt. to update the latest status.**

**2.3 Status of Procurement of O&M min. inventory/spares/services as well as equipments to be procured against PSDF schemes.**

The following was deliberated in the previous OCC meeting:-

1. Representative of DTL C&MM deptt. informed that w.r.t procurement of hot reserve transformer, one such request has been received in the C&MM department on 21.12.2017 for transformer package including one no. hot reserve 160 MVA transformer for Kanjhawala. The order is expected to be placed in the month of May 2018 and its procurement will be in the month of Oct/Nov 2018 (i.e after 06 month after date of order)

2. Representative of DTL C&MM deptt. further informed that PR w.r.t availability of minimum inventory in Material Management Department is pending with finance department.

3. The status of PSDF was updated. OCC directed that the procurement/execution against PSDF scheme is time bound activity. As such, every effort be made to complete the PSDF scheme in time bound manner.

4. OCC directed that the hot reserve Tr. is essentially required for maintaining summer season loading in case of failure of any Tr. Therefore hot reserve of each category of transformer be procured immediately.

5. Min. inventory as discussed and finalized between O&M and C&MM deptt. be procured immediately.

6. DTL C&MM deptt. to update the month wise progress in every DELHI OCC meeting.

**DTL C&MM deptt. to update the latest status.**

**2.4 Status of replacement of Porcelain disc Insulators with long road Polymer Insulators in various 220kV lines.**

DTL had proposed planned Shut-down of various 220 KV Lines for work of "Replacement of Porcelain disc Insulators with long road Polymer Insulators".

**The progress of work be updated by Sh. Subhash Chandra Jha, Mgr.(S-V), DTL, Nodal officer.**

**(Action by DTL O&M deptt.)**

**2.5 Status of progress of work in r/o shutdown of 400kV BUS-I & BUS-II at 400kV Maharanibagh.**

PGCIL has availed Shutdown of 400kV BUS-I & BUS-II at 400kV Maharanibagh w.e.f. 14.02.2018 to carry out the following works:-

- (i) Rectification of Y and B Phase, B3 Module at 400 kV GIS of 315 MVA ICT 2 bay (Bay no 404)
- (ii) For above rectification work, SF<sub>6</sub> gas shall be evacuated from 400 kV Bus I & II adjoining to Y & B phase B -3 module. So, 400 kV BUS I & II shall remain out of service till reassembling.
- (iii) During shutdown, power evacuation from 400kV Bus-I & II from Maharani Bagh S/Stn shall be fully interrupted.

**During the previous OCC meeting, OCC advised that the shutdown period be squeezed in view of network/loading constraints.**

**Powergrid Maharani Bagh Sub-stn to update the work progress.**

## 2.6 Reactive power compensation at 400kV & 220kV Level

**During the previous OCC meeting, Planning Deptt updated the following status:-**

As per the availability of space in 400/220kV S/stn premises, following locations are finalised for installation of reactors in first phase of respective capacity as per the recommendations of 39<sup>th</sup> Standing -committee report.

| S.No. | Proposed location for installation of Shunt Reactor | Capacity (MVAR)                              | Present status of Schemes   |
|-------|---|--|---|
| 1     | 400kV & 220kV Mundka                                | 125 MVAR at 400kV and 25 MVAR at 220kV level | The schemes for these locations are under process in the sequential manner, Planning department will make out all out effort to finalise these schemes in coming 03 months. |
| 2     | 220kV Electric Lane                                 | 2x25MVAR                                     |   |
| 3     | 220kV Patparganj                                    | 25MVAR                                       |   |
| 4     | 220kV Maharani Bagh                                 | 2 X 25 MVAR                                  |   |
| 5     | 220kV Bamnauli                                      | 25 MVAR                                      |   |
| 6     | 220kV Harsh Vihar                                   | 2 X 25 MVAR                                  |   |

**Action plan for installation of reactors be updated by DTL planning deptt.**

## 2.7 Providing ON/OFF status of circuit breaker in r/o installation of current differential relay in various 400kV/220kV feeders of DTL.

DTL Protection deptt. have informed that the work of Installation of the Current Differential Relays at various 400/220 kV feeders of the DTL is in progress under the supervision of the protection department under PSDF scheme. Order has been placed to M/s G.E. T&D limited for the ETC and supply of relays. The shut downs are proposed in the month of Feb 2018 and March 2018.

Installation of the Current Differential Relays requires the pole wise On/Off status of the Circuit breaker, Circuit breaker healthiness status and Trip circuit supervision status (as required) and CT core wiring from CT to relay panel. For the above said requirement the DTL protection department has already requested respective managers of the 220 kV Grids to kindly ensure the availability of above said status. If above status are not available then control cable be laid for providing the required status.

**Details of the Substations where Line differential relay has to be installed (Phase-2)**

| S.No.        | Name of Sub Station | Feeder Name               | No. of Line Differential Relays |
|--------------|---------------------|---------------------------|---------------------------------|
| 1            | 220kV Mehrauli      | BTPS Ckts. 1 & 2          | 2                               |
| 2            | 220kV Okhla         | BTPS Ckts. 1 & 2          | 2                               |
| 3            | 220kV Park Street*  | Pragati Ckts. 1 & 2       | 4+2*                            |
|              |                     | Spare Bays 1 & 2          |                                 |
| 4            | 220kV Sarita Vihar  | BTPS Ckts. 1 & 2          | 2                               |
| 5            | 220kV IP            | RPH Ckts. 1 & 2           | 2                               |
| 6            | 220kV Pragati       | Park Street Ckts. 1 & 2   | 2                               |
| 7            | Kashmiri Gate*      | DMRC Ckts. 1 & 2          | 2                               |
| 8            | DMRC                | Kashmere Gate Ckts. 1 & 2 | 2                               |
| 9            | 220kV RPH           | I.P Ckts. 1 & 2           | 2                               |
| 10           | 220kV BTPS          | Mehrauli Ckts. 1 & 2      | 7                               |
|              |                     | Okhla Ckts. 1 & 2         |                                 |
|              |                     | Sarita Vihar Ckts. 1 & 2  |                                 |
|              |                     | Gazipur Ckt.              |                                 |
| 11           | 220kV Gazipur       | BTPS Ckt.                 | 1                               |
| 12           | 220kV Mundka        | Najafgarh Ckt.2           | 2                               |
|              |                     | Kanjhawala Ckt.2          |                                 |
| 13           | 220kV Maharani Bagh | Sarita Vihar Ckt.         | 1                               |
|              |                     | Pragati Ckt.              | 1                               |
|              |                     |                           |                                 |
| <b>Total</b> |                     |                           | <b>34</b>                       |

Note: \*2 nos. Remote end relays for Park Street are considered

**DTL may deliberate.**

**2.8 Proposed planned shutdowns of O&M, DTL**

DTL O&M deptt. has proposed the planned shutdowns for the month of March-2018 as per enclosed Annexure.

OCC may deliberate

**3. BRPL Agenda**

**(i) Put-off of 66KV and 33KV feeders:**

BRPL have informed that following 66kV /33kV feeders of BRPL network are being opened during night hours. BRPL have initiated this 8 Feb 2018 onwards.

| Sr. No. | Name of Stn. | Name of Ckt.       | Elements to be opened    |
|---------|--------------|--------------------|--------------------------|
| 1       | LODHIROAD    | 33KV EXHIBITION-II | Single Ckt. at both ends |
| 2       | LODHIROAD    | 33kV NDSE          | Single ckt. at both ends |
| 3       | LODHIROAD    | 33kV EAST OF       | Single Ckt. at both ends |

|    |              | KAILASH                      |                          |
|----|--------------|------------------------------|--------------------------|
| 4  | OKHLA        | 33kV BALAJI CKT-II           | Single ckt. at both ends |
| 5  | OKHLA        | 33kV NHP CKT-IV              | Single ckt. at both ends |
| 6  | OKHLA        | 33kV ALAKHNANDA CKT-I        | Single ckt. at both ends |
| 7  | MASJID MOTH  | 33kV MASJID MOTH             | Single Ckt. at both ends |
| 8  | Park Street  | 66 Ridge Valley Ckt-I.       | Single Ckt. at both ends |
| 9  | PPK I        | 66kV Bindapur Ckt.I          | Single Ckt. at both ends |
| 10 | PPK II       | 66kV G-5PPK(Matyala) ckt - I | Single Ckt. at both ends |
| 11 | Peeragarhi   | 33KV Udyog Nagar             | Single Ckt. at both ends |
| 12 | Mundka       | 66kV Nangloi                 | Single Ckt. at both ends |
| 14 | Sarita Vihar | 66kV Mathura road 1 or 2     | Single Ckt. at both ends |

**(ii) BRPL critical loads:**

BRPL has updated their critical load as under:-

1. Palam airport
2. Balaji SCADA centre
3. BSES Building Nehru place (IT and communication hub).
4. Delhi Jal Board Najafgarh & Okhla
5. Water treatment plant water works nangloi
6. ILBS (hospital)

**(iii) BRPL agenda:**

BRPL have informed that since recent two to three months, huge reactive power penalty are observed in BRPL network.

For analysis & control, following data be provided:-

1. Individual feeder wise reactive power draw/injection of recent three months  
O/G 66KV, 33KV and 11KV (at 220KV s/stns) feeders.
2. Facility to get 66KV and 33KV bus voltage of 220KV DTL stations through ICCP for effective reactive power control.

**OCC may deliberate.**

**4. GTPS (IPGCL) Agenda**

**Shutdown request of GT-6 for Major Inspection (MI) (20.03.2018 to 19.04.2018) and Minor Inspection of STG#III (20.03.2018 to 05.04.2018).**

GTPS have informed vide their letter no.-531, dt-10.02.2018 that there shall be shutdown of GT-6 for Major Inspection (MI) from 20.03.2018 to 19.04.2018 (30 days) and Minor Inspection of STG#III from 20.03.2018 to 05.04.2018 (20 days). All other units shall be available and DC of GTPS for this period shall be as under:

- (i) 20.03.2018 to 05.04.2018 - 190 MW (160 MW Combined cycle + 30 MW open cycle)



(ii) 06.04.2018 to 19.04.2018 – 200 MW Combined cycle

**OCC may deliberate.**

**5. Long/Recent Outage/Breakdown of Elements in Delhi power system.**

Members to update the status of following Long/Recent Outage/Breakdowns of elements in Delhi Power system:

| S.N | Element's Name                                     | Discom/<br>DTL | Date and<br>Time of<br>outage | Status of outage as on 16.02.2018   |
|-----|--|----------------|-------------------------------|---|
| 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-PHASE SINGLE CABLE FAULTY.  |
| 3.  | 66kV VASANT KUNJ INSTL.AREA-RIDGE VALLEY CKT.-I    | BRPL           | 26.03.2017                    | UNDER SHUTDOWN.   |
| 4.  | 11kV I/C-I AT RIDGE VALLEY                         | BRPL           | 24.01.2018                    | UNDER BREAKDOWN.  |
| 5.  | 66kV V.KUNJ 'C' BLOCK - 'B' BLOCK V.KUNJ CKT.-I    | BRPL           | 26.01.2018                    | 'Y' PH. LA FAULTY   |
| 6.  | 16MVA PR.TR.-I AT R.K. PURAM - II                  | BRPL           | 05.02.2018                    | UNDER SHUT DOWN   |
| 7.  | 15MVA PR.TR.-IV AT C-DOT                           | BRPL           | 06.02.2018                    | UNDER BREAKDOWN.  |
| 8.  | 33kV LODHI ROAD - EXHIBITION GROUND -II CKT.       | BRPL           | 12.02.2018                    | 'B'PH. 2ND CABLE FAULTY   |
| 9.  | 66kV VASANT KUNJ INSTITUTIONAL AREA - 220kV VASANT | BRPL           | 12.02.2018                    | UNDER BREAK DOWN  |
| 10. | 66kV MUNDKA - NANGLOI CKT.                         | BRPL           | 05.08.2017                    | B & Y-PH. CABLE FAULTY  |
| 11. | 20MVA PR.TR.-II AT SAGARPUR                        | BRPL           | 06.02.2018                    | UNDER SHUT DOWN   |
| 12. | 20MVA PR.TR.-III AT VISHAL                         | BRPL           | 07.02.2018                    | UNDER SHUT DOWN   |
| 13. | 66kV PPG - AKSHARDHAM CKT                          | BYPL           | 06.08.2017                    | CABLE FAULTY.   |
| 14. | 66kV MAYUR VIHAR -I - MAYUR VIHAR-II CKT.          | BYPL           | 14.02.2018                    | B & Y-PH. SINGLE CABLE FAULTY   |
| 15. | 33kV SUBZI MANDI - SHAHZADA BAGH CKT-II            | TPDDL          |                               | CABLE FAULTY.   |
| 16. | 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 energized upto tower no. 115 from Bawana end. Jumper opened at tower no. 115. Dismantling work started. Expected by 15.03.18.  |

|     |  |      |                          |   |
|-----|--|------|--------------------------|---|
| 17. | 315MVA ICT-II AT 400kV BAWANA                  | DTL  | 30.11.2017               | 400kV SIDE R-PH. BUSHING DAMAGED AND Y-PH. BUSHING ON 220kV SIDE (LV SIDE) DAMAGED. Under process for repair works. Expected to be repaired within one month. |
| 18. | 220/33kV 100MVA PR.TR.-I AT 220kV NARAINA      | DTL  | 26.07.2017               | Transformer damaged due to fire. New transformer reached at site.   |
| 19. | 220/33kV 100MVA PR.TR.-I AT 220kV PATPARGANJ   | DTL  | 18.01.2018               | SHUT DOWN FOR OVERHAULING. EXPECTED BY 28.02.2018.  |
| 20. | 220kV MAHARANI BAGH - MASJID MOTH CKT-I        | DTL  | 31.01.2018               | CABLE FAULTY  |
| 21. | 220kV PATPARGANJ - GAZIPUR CKT.                | DTL  | 07.02.2018               | CABLE FAULTY  |
| 22. | 220/33kV 100MVA PR.TR.-II AT 220kV MASJID MOTH | DTL  | 14.02.2018               | SHUT DOWN FOR OIL FILTERATION. EXPECTED BY 16.02.2018.  |
| 23. | 220/33kV 100MVA PR.TR.-I AT 220kV PEERAGARHI   | DTL  | 14.02.2018               | SHUT DOWN FOR CONNECTING 33kV I/C CABLE. EXPECTED BY 16.02.2018.  |
| 24. | STG-2 at PPCL Bawana                           | PPCL | 01.10.2017<br>00:05 hrs. | Problem in Generator Transformer.   |

### Additional Agenda

#### 1. TPDDL Agenda

TPDDL have informed that Delhi Gencos have been sending costing from their stations on daily basis. The details are sent for GT, Pragati 1 and Bawana. From the latest costing details received it can be seen that the load wise costing of GT, Pragati and Bawana is as follows:-

| S.No. | Plant Name | Cost in Rs/ Unit             |
|-------|------------|------------------------------|
| 1     | GT         | Rs 3.76/- per unit at 80 MW  |
| 2     | Pragati 1  | Rs 4.50/- per unit at 265 MW |
| 3     | Bawana     | Rs 4/- per unit at 325 MW    |

Presently as on 20<sup>th</sup> Feb'2018; GT is running at 28 MW; Pragati 1 at 273 MW and Bawana at 246 MW. (screen shot given below)

The screenshot displays the 'DELHI POWER SUMMARY' dashboard from the State Load Despatch Center, Delhi. The status is 'NORMAL'. Key summary data includes:

- DELHI LOAD:** 2830
- SCHEDULE:** 2242
- DRAWAL:** 2258
- CURRENT REVISION:** 09 at 20/02/2018 11:52:32
- MAX LOAD TODAY:** 3590 at 10:12:52
- MAX LOAD (YES'DAY):** 3549 at 10:02:46
- FREQUENCY:** 49.97
- UI RATE:** 100
- OD/UD:** 16
- DELHI GENERATION:** 572
- MIN LOAD TODAY:** 1439 at 03:31:03
- MIN LOAD (YES'DAY):** 1383 at 03:18:20

Additional data tables include DISCOM DRAWAL, DELHI GENERATION (Genco and State), STATES DRAWAL, GRID LOADINGS, CENTRAL SECTOR GENERATION, and DELHI IMPORT/TRANSFORMER/FEEDER.

From the costing and present running Generation the following is analysed:-

- 1) GTPS can be asked to run at 80 MW as its Generation cost at 80 MW is cheaper when compared to Pragati 1 Generation cost at 273 MW.
- 2) Bawana can be ramped upto 325 MW as its Generation cost at 325 MW is cheaper when compared to Pragati 1 Generation cost at 273 MW.

Based on above Tata Power had sent requests on 20<sup>th</sup> Feb'2018 to Delhi SLDC for closing of Pragati 1 generation or atleast one unit of Pragati 1 can be closed and balance requirement can be met through GTPS and Bawana. However, no action on the same has been taken by Delhi SLDC.

In this regard M/s TPDDL have requested the following:-

- a) What is the present Minimum Technical Limit for the units of Pragati 1, GTPS and Bawana?

As on 20<sup>th</sup> Feb'2018, it is seen that Pragati 1 is running at 80% of its GT capacity, GTPS at 50% of its GT capacity and Bawana at 75% its GT capacity. The same is summarized in table below:-

| <u>Plant Name</u> | Number of running GTs | Installed capacity of running GTs | Running Capacity | Running Capacity/ Installed Capacity |
|-------------------|-----------------------|-----------------------------------|------------------|--------------------------------------|
| GTPS              | 1                     | 30 MW                             | 16 MW            | 50%                                  |
| Pragati 1         | 2                     | 208 MW                            | 164 MW           | 80%                                  |
| Bawana            | 1                     | 216 MW                            | 163 MW           | 75%                                  |

- b) Is there any line loading/ transmission issue constraint due to which minimum Generation at Pragati 1 is required? If yes, what is the quantum of minimum Generation required from Pragati 1?
- c) Is there any line loading/ transmission issue constraint due to which minimum Generation at GTPS is required? If yes, what is the quantum of minimum Generation required from GTPS?
- d) Is there any line loading/ transmission issue constraint due to which minimum Generation at Bawana is required? If yes, what is the quantum of minimum Generation required from Bawana?

**OCC may deliberate**

## 2. DTL Agenda

### Shutdown request of 220kV Vasant Kunj-R.K. Puram D/C

DTL have requested for shutdown of 220kV Vasant Kunj-R.K. Puram D/C for re-routing of cable and for cable termination work as per the following schedule:-

| S. No. | Name of Sub-Station  | Date of Shut-down From | Date of Shut-down to | Name of the Element                         | Work to be carried   | Remarks   |
|--------|----------------------|------------------------|----------------------|---|--|---|
| 1      | 220/66kV Vasant Kunj | 21.02.2018             | 31.03.2018           | 220kV Vasant kunj to R.K. Puram Double Ckt. | Re-routing of cable at R.K.Puram End & its cable end termination | M/s Siemens will carry out the work in supervision of DTL |

**OCC may deliberate**

### **3. PPCL Agenda**

M/s PPCL have proposed the revised planned shutdown of GT#1 and STG for Mtc. work as per the following schedule:-

(i) GT#1 :- 02.03.2018, 00:00 hrs. to 21.03.2018 (for 20 days)

(ii) STG :- 02.03.2018, 00:00 hrs. to 08.03.2018 (for 7 days)

The revision in planned shutdown which was earlier approved w.e.f. 25.02.2018 has been done considering the mobilization constraints of the vendors.

**OCC may deliberate**

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