

STATE LOAD DESPATCH CENTRE (DELHI)

राज्य भार प्रेषण केंद्र (दिल्ली)

Office of Dy. General Manager (System Operation)
SLDC Building, Minto Road, New Delhi-110002
Ph: 23221175, FAX No.23221012

No. F./DTL/207/19-20/DGM(SO)/154

Dated :15.01.2020

Subject : Minutes of the 22nd meeting of the Grid Coordination Committee (GCC) held on 24.10.2019 at 10.00hrs at Ashoka Hall, Manekshaw Centre, Parde Ground, Delhi Cantt, New Delhi-110010.

Dear Sir, / महोदय

The Minutes of the 22nd meeting of the Grid Coordination Committee (GCC) held on 24.10.2019 at 10.00hrs at Ashoka Hall, Manekshaw Centre, Parde Ground, Delhi Cantt, New Delhi-110010 are enclosed for ready reference and further necessary action please.

Thanking you,

Encl. as above

Yours faithfully

(S.K. SINHA)
Dy. G.M. (System Operation)
Convener, GCC

To

1. **Sh. Mukesh Kumar Sharma, Chairperson, GCC**
Director (Operations), Delhi Transco Ltd, 1st floor, Shakti Sadan Building, Kotla Road, New Delhi-110002, Office-Phone- 011-23232715, Fax : 23232721
2. **Sh. Harjiwan Vyas, Executive Director (T), SLDC, Delhi**
3. **Sh. Birender Prasad, G. M. (Planning)**
4. **Sh. V. Venugopal, G.M. (O&M)-II, Delhi Transco Ltd.**
5. **Sh. Loveleen Singh, G. M. (O&M)-I, DTL**
6. **Sh. M. A. Khan, G. M. (Corporate Monitoring & SEM), Delhi Transco Ltd.**
7. **Sh. K.K. Verma, G. M. (C&MM), Delhi Transco Ltd,**
8. **Ms. Kiran Saini, G. M. (Project)-I & II, Delhi Transco Ltd**
9. **Mr. Dipanjan Das, G. M. (P&M, Disaster Management & Safety), DTL**
10. **Sh. Suresh Kumar Sharma, G.M. (C&RA), DTL**
11. **G.M. (Civil), DTL**
12. **Sh. P.K. Malik, General Manager (Finance), DTL**
13. **Deputy Secretary, Power Department GNCTD, 8th Level, B-Wing, Delhi Secretariat, I.P. Estate, New Delhi-110002**
14. **Sh. Bhupender Nath GM, DMRC, Ph. 9999533627 Inderlok Metro Station, Delhi**
15. **Executive Director, NRLDC18-A, SJSS Marg, New Delhi-110016, Office Ph: 011-26537351, Fax:011-26852747**
16. **General Manager (Electrical), DMRC**

17. **Sh. S.M. Verma, Director(Tech), IPGCL / PPCL**
Himadri Building, RPH, New Delhi-110002. Phone:011-23273544, Fax: 011-23270590 , vermasm@rediffmail.com 9717694896
18. **Sh. Rajneesh Srivastava, G.M. (Commercial), IPGCL/PPCL, 9999533500**
19. **Sh. A.K. Sharma, Head (O&M), BYPL, Shakti Kiran Building, Karkardooma, Delhi**
20. **Sh. Mukesh Dadhichi, ASVP (SO), BYPL, Shankar Road, New Delhi**
21. **Sh. Sunil Kakkar, Head (PMG), BYPL, Shakti Kiran Building, Karkardooma, Delhi**
22. **Chief Engineer (Transmission System), BBMB**
SLDC Complex, Sector-28, Industrial Area Phase-I, Chandigarh
23. **Superintending Engineer (O&M) Circle, BBMB, 400kV S/Stn, BBMB Complex, Panipat-132107, Mob. 09416017711, Fax .0180-2662992**
24. **Sh. Sanjay Kumar Banga, Head (PEC, PM&BD), TPDDL,**
SCADA Building, Near Netaji Place Subash Place Metro Station, Pitampura, Delhi 34 Phone Office: 011- 27468027, Fax: 011-27468023
25. **Sh. Lalit Wasan, HoD, (PSC & Smart Grid), TPDDL**
26. **Sh. Salil Saxena, VP, (System Operation), BRPL**
27. **Sh. Sanjay Srivastava, AVP (PMG), BRPL**
28. **Sh. A.K. Joshi, Chief Engineer (Elect)-II, NDMC**
Room No. 1706, 17th Floor, Palika Kendra, Sansad Marg, New Delhi-110001
29. **Sh. M.K. Aggarwal G.M. (Market Operation), NRLDC, 18-A, SJSS Marg, New Delhi-110016**
30. **Sh. Mahender Singh, Secretary, DERC**
DERC Viniyamak Bhawan, C-Block, Shivalik, New Delhi-17
31. **Sh. U.K. Tyagi, Executive Director (Tariff), DERC**
DERC Viniyamak Bhawan, C-Block, Shivalik, New Delhi-17
32. **General Manager (Commercial), NTPC, NCR Headquarters, R&D Building, A8A, Setor-24, Noida-201301. Fax no. 0120-2410192**
33. **Sh. S.N. Basu, GM(T), GTPS, Phone No.9818434679, sagmeelbasu@yahoo.co.in**
34. **Sh. Amit Ahuja, GM(T), Bawana, CCGT**
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36. **Sh. N.C. Sharma, AGM(T), Operation Bawana CCGT, Ph. 9717694930**
37. **Sh.R.K. Yadav, AGM(Comml) IPGCL/PPCL, 9717694845**
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38. **Sh. Neelesh Gupta, Whole Time Director, Timarpur – Okhla Waste Management Company Ltd Jindal ITF Center, 28 Shivaji Marg New Delhi-110015, Ph. 45021983, Fax 45021982**
39. **General Manager, Indira Gandhi Super Thermal Power Station, Jharli, Jhajjar Distt. Haryana Pin-124141, Fax no. 01251-266202, Ph. 01251-266265**
40. **CWE (U), MES, MES Palam Road, Delhi Cantt, New Delhi-110010**
41. **GE (U), MES, Electric Supply, Kotwali Road, Delhi Cantt, Delhi-110010**
42. **Mr. Rohit Bajaj, Vice President Business Development, Indian Energy Exchange Unit no. 3,4,5 & 6, Fourth Floor TDI Centre, Plot No.-7 JASOLA New Delhi-110025 Ph. 9654125144, rohit.bajaj@iexindia.com, Office No. 43004032.**
43. **Dy. G. M. (Fin-I & II), DTL Rajghat Power House New Delhi -110002.**
44. **Sh. Shyamal Sutradhar, Dy. G.M. SLDC**
45. **Sh. Dinesh Singh, DGM(E/A)**
46. **Manager (HW), SCADA, SLDC**
47. **Manager (Software), SCADA, SLDC**
48. **Sh. Naveen Goel, Manager (T), System Operation, SLDC.**
49. **Ms. Sonali Garg, Manager (Energy Accounting), Delhi SLDC.**
50. **Manager (SO)-Shift, Delhi SLDC.**

51. Dy. Manager (Finance), SLDC.
52. A.M.(Finance), SLDC

53. Sh. Appi Reddy, Associate V.P. DMSWL, Sector-5, Pocket N-1, Bawana Industrial Area, Behind Pragati Power Plant, Bawana, New Delhi-110039
appireddy.k@ramky.com
54. Project-in-Charge, 12MW East Delhi Waste Processing Company Ltd, Near Veterinary Hospital, Gazipur, Delhi-110096, Ph.22782152.
55. Sh. Sudhir Saxena, Chief Executive Officer, Railway Energy Management Co. Ltd.Ground Floor, Central wing, Plot No-1, Sector-29, Gurgaon-122001

Copy for favour of kind information to :-

1. Secretary (Power), Govt. of NCT of Delhi,
2. Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-110017
3. Chairman & Managing Director, DTL
4. Chairperson, NDMC, Palika Kendra, Sansad Marg, New Delhi-110001
5. Member Secretary, NRPC, Katwaria Sarai, New Delhi-110016
6. Director (Operations), NTPC, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi-110003
7. Chairman & Managing Director, IPGCL / PPCL, Himadri, Rajghat Power House, New Delhi-02
8. Director (Operations), DMRC, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001.
9. Director (Electrical), DMRC
10. Director (Finance) DTL
11. CEO, BSES Rajdhani Power Ltd, BSES Bhawan, Nehru Place, New Delhi-110019
12. CEO, BSES Yamuna Power Ltd, Shakti Kiran Building, Karkardooma, New Delhi-92
13. CEO, TPDDL, 33kV Grid S/Stn, Hudson Lane, Kingsway Camp, Delhi-110009
14. Chief Engineer, Delhi Zone,(CEDZ), MES Palam Road, Delhi Cantt, New Delhi-10
15. Addl. Secretary (Power), Govt. of NCT of Delhi, Delhi Secretariat, New Delhi.

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Summary Record of discussions held in the 22nd meeting of the Grid Coordination Committee (GCC) held on 24.10.2019 at 10.00hrs at Ashoka Hall, Manekshaw Centre, Parde Ground, Delhi Cantt, New Delhi-110010.

The list of participants is enclosed as **Annexure-1**.

WELCOME

Director/E/MES welcomed the participants of 22nd meeting of the Grid Coordination Committee (GCC). He highlighted the function of MES. He further, informed GCC that MES has installed SCADA system at all 33/11 kV Sub Station with interface with DTL for centralised monitoring and control. In addition to this MES has started power purchase through IEX and are in process of installation of prepaid meters. Roof of Solar Plants of various capacities are also in pipeline for installation in MES areas. With these remarks, he requested Director (Operations), DTL, the Chairperson of GCC to start the proceedings.

Sh. Mukesh Kumar Sharma, Director (Operations), DTL, Chairperson, GCC welcomed all delegates in the 22nd Grid Coordination Committee meeting. He expressed his satisfaction that Delhi has successfully met all time high peak demand of 7409MW this summer without any load shedding which is about 5.6% higher compared to summer 2018. He especially thanked BRPL team for transferring of load on alternate sources during outage of 220kV Maharani Bagh – Masjid Moth Ckts and 220kV Maharani Bagh – Trauma Centre Ckts. Position could have been adverse, leading to load shedding in South Delhi areas, had BRPL not managed the load promptly and efficiently. However, DTL team managed to revive the cable within 10-15 days.

He further emphasized that the winter season is approaching and Delhi has large amount of surplus power especially during winter night hours which is required to be disposed-off properly. For disposal of surplus power, Discoms should opt of reallocation of power to other states so that the liabilities of fixed charges may also be avoided. For this, Discoms should approach State Government.

He also advised DTL and Distribution Licensees to utilize the ongoing lean period for maintenance and augmentation of their system for meeting power demand in Summer 2020 efficiently.

Concluding the remarks, he requested all the Stake Holders to actively participate in the proceedings for fruitful discussions and arrive at a conclusion. He advised Convener, GCC to take up agenda for discussion.

The Agenda was subsequently taken up for discussion.

1 CONFIRMATION OF THE MINUTES OF 21ST MEETING OF GCC HELD ON 22.04.2019.

The minutes of the 21st meeting of GCC held on 22.04.2019 have been circulated vide letter No. F./DTL/207/19-20/DGM(SO)/20 dt. 12.06.2019. No comments have been received from any other entities so far.

GCC confirmed the MOM of 21st meeting of GCC.

2 FOLLOWUP ACTION ON THE DECISIONS TAKEN IN THE PREVIOUS GCC MEETING

2.1 Issues related to Delhi Grid.

2.1.1 NON USAGE OF BAYS ALOTTED TO VARIOUS UTILITIES FROM DTL SUB-STATIONS.

The position of unutilized bays at various newly commissioned DTL sub-stations was updated by the utilities as under:

S N.	Name of 400/220k V S/Stns.	Voltage level	Details of non utilization of bays			
			Name of bay	Name of the utility to whom the bay is allocated	Original allocation date	Present status
1	220kV Trauma Centre	33kV	Kidwai Nagar East	NDMC	19.11.09	<p>NDMC informed that these Ckts are ready for charging and cable termination work is pending at DTL end. They, further, informed GCC that work is held up due to Malba lying at cable cellar area. Representative of DTL informed that NDMC has to make cable holding arrangements.</p> <p>GCC advised NDMC to make the cable holding arrangement for all feeders. GCC instructed GM (O&M) DTL and NDMC to make a joint visit of Sub-Station and resolve the issue at the earliest.</p> <p>NDMC informed that only 300 mt Cable laying work is pending for this Ckt. They assured GCC that Cable will be charged by 30.11.2019.</p>
			Safdarjung Hospital		19.11.09	
			Race Course		17.06.11	
			Jor Bagh		19.11.09	
2	220kV Electric Lane	33kV	1. Vidyut Bhawan	NDMC	19.11.09	<p>Out of 4 Km., 3Km cable laid . Expected to be completed by 30.11.2019.</p> <p>Cable termination pending at Hanuman Road S/Stn. Expected to be completed by 30.11.2019.</p> <p>Expected to be completed by March, 2020.</p> <p>Expected to be completed by March, 2020.</p> <p>Expected to be completed by March, 2020.</p> <p>Expected to be completed by March, 2020.</p>
			2. Hanuman Road			
			3. Janpath Lane.			
			4. Church Road			
			5. Delhi High Court			
			6 IGNSA			
Total = 6 Bays						

S N.	Name of 400/220kV S/Stns.	Details of non utilization of bays				
		Voltage level	Name of bay	Name of the utility to whom the bay is allocated	Original allocation date	Present status
3	400kV Mundka	66kV	1. Bay 604 2. Bay 606 3. Bay 610 4. Bay 613 5. Bay 614 6. Bay 617 Total = 6 Bays	BRPL/TPD DL	31.05.2012	TPDDL informed that land for construction of the Grid is not available as such both the bays would be utilized by 2020-21 for Kirari Sub-Station. Four bays for BRPL i.e. Bakkarwala(2 Nos.) & Nilothi(2 Nos.) would be utilized by 20-21. For Bakkarwala – Deposit case of DDA. BRPL is taking up the case with DDA for deposit.

GCC advised all utilities to utilize the bays allocated to them for optimum utilisation of the assets.

2.1.2 Evacuation of 220/66kV Tughlakabad Sub-station

The 66kV bays evacuated from 220/66kV Tughlakabad Stn are as under:

Sr. No.	Name of bay	Bay Status	Current Status
1	66kV Batra Ckt.	Charged	Charged
2	66kV Malviya Nagar Ckt.	Charged	Charged
3	66kV Okhla Ph-I Ckt.	Charged	Charged
4	66kV Mohan Cooperative Ckt.	Charged	Charged
5	66kV Crown Plaza Ckt. I	Ready	Work for construction of new Crown Plaza Sub-Station is under tendering stage and Crown Plaza Sub-Station will be commissioned by December,2020
6	66kV Crown Plaza Ckt. II	Ready	
7	66kV MES Ckt. -I	Ready	MES informed that they will use the bay in future as per their long term plan.
8	66kV DMRC Phase-IV Ckt. -I	Ready	DMRC informed that both bays will be utilized with the commissioning of metro Phase-IV.
9	66kV DMRC Phase-IV Ckt. -II	Ready	
10	66kV Future Ckt. -I	Ready	Unutilized

GCC noted the status and advised all the utilities to utilize the bays for optimum utilization of assets.

2.1.3 Power evacuation Plan from 220/33 KV GIS Preet Vihar (3 x 100 MVA)

The 33kV bays evacuated from 220/33kV Preet Vihar Stn are as under:

Sr. No.	Name of bay	Bay Status	Current Status
1	33kV Preet Vihar Ckt.	Charged	Charged
2	33kV CBD Ckt.-I	Charged	Charged
3	33kV Guru Angad Nagar Ckt.	Charged	Charged
4	33kV Shakarpur Ckt	Charged	Charged
5	33kV CBD -II	Ready	BYPL informed that Ckt. will be commissioned by March, 2020.
6	33kV Dwarkapuri Ckt.	Ready	Unutilized
7	33kV Jhilmil Industrial Area Ckt.	Ready	Unutilized
8	33kV G.T.Road Ckt.	Ready	Unutilized
9	33kV Karkardooma Ckt.	Ready	Unutilized
10	33kV Kanti Nagar Ckt.	Ready	Unutilized
11	33kV Future Ckt. -I	Ready	Unutilized
12	33kV Future Ckt. -II	Ready	Unutilized
13	33kV Future Ckt. -III	Ready	Unutilized
14	33kV Future Ckt. -IV	Ready	Unutilized
15	33kV Future Ckt. -V	Ready	Unutilized
16	33kV Future Ckt. -VI	Ready	Unutilized

GCC advised GM (Planning), DTL to call a meeting with the representative of BYPL for utilization of future bay at 220/33 kV Preet Vihar Sub-Station.

2.1.4 Power evacuation Plan from 220/66 KV Papankalan-III S/Stn

The 66kV bays evacuated from 220/66kV Papankalan-III Stn are as under:

Sr. No.	Name of bay	Bay Status	Current Status
1	66kV G-4 Ckt. -I	Charged	Charged
2	66kV G-4 Ckt. -II	Charged	Charged
3	66kV G-6 Ckt.	Charged	Charged
4	66kV G-7 Ckt.	Charged	Charged
5	66kV DMRC Ckt.	Charged	Charged
6	66kV GH-II Ckt.	Charged	Charged
7	66kV Sagarpur Ckt.	Charged	Charged
8	66kV Future Ckt. -I	Ready	Unutilized
9	66kV Future Ckt. -II	Ready	Unutilized
10	66kV Future Ckt. -III	Ready	Unutilized
11	66kV Future Ckt. -IV	Ready	Unutilized

BRPL informed that they have utilized all the 7 Nos. of bays allocated to them. They further, informed that 4 Nos. of bays have been allocated to DMIC (Delhi Mumbai Industrial Corridor). GCC advised Planning, Department of DTL and BRPL to make a joint visit of the site to explore the possibility to utilize the 4 Nos. of bays as DMIC project is getting delay. DMIC may be allocated bays from upcoming 400/220/66 kV Dwarka Sub-Station.

2.1.5 Power evacuation Plan from 220 KV SGTN, Dev Nagar, Timarpur & Dwarka Sub-stations

DTL informed that the evacuation plan for the above 220kV sub-station has to be finalised before commissioning. DISCOMs informed that power evacuation plan will be discussed in steering Committee.

GCC advised that power evacuation plan has to be finalised in coming next planning steering committee.

2.1.6 Details of Radial fed sub-stations of DISCOM and plan to provide alternate sources for reliability.

It has been observed that a no. of 66kV, 33kV & 11kV substations of DISCOMs are operating on radial mode (i.e., connected only to one source). The details are as under:

S.No	Name of the Station	Present Feeding arrangement	Additional source proposed	Deliberation in the Steering Committee meeting	Deliberation in 22 nd GCC Meeting
1.	Pitampura 3	Currently being fed from Pitampur-I through D/C 66 kV line.	66 kV LRIA Grid and D/C 66 kV line from LRIA to Pitampura 3 is proposed under IPDS scheme.	If no assistance is forthcoming under IPDS scheme, it may be done under CAPEX.	TPDDL informed that 2 nd feed can be provided to Pitampura-III Sub-Station through upcoming 220 kV Mangolpuri Sub-Station
2.	33kV Wazirabad	Currently being fed 220 kV Goplapur through D/C 33 kV line.	Second connectivity is envisaged through 33 kV S/C line from 220 kV	Considering the strategic importance of the installation meant to provide water supply to major	TPDDL informed that 11kV feeder is secondary supply for water works from 220 kV Kashmiri

			Timarpur. This being a deposit scheme, communication with DJB is underway for release of funds	part of the capital, if DJB does not provide fund for duplicate source, TPDDL may consider to implement the same under CPEX for maintaining reliable power supply	Gate. They further, informed that 2 nd feed can be provided to Wazirabad Sub-Station through upcoming 220 kV Timarpur Sub-Station
3.	66kV Siraspur	Currently being fed Badli I through D/C 66 kV line.	Second connectivity was planned from 220 kV SGTN. However due to delay in the project, a D/C 66 kV line from 66 kV SGTN has been put up to DERC in current CAPEX submission.	Second source would be provided along with the commission of 220/66kV SGTN S/stn. by DTL	TPDDL informed that 2 nd feed can be provided to Siraspur Sub-Station through upcoming 220 kV SGTN Sub-Station

(ii) BRPL:

Sl. No	Name of the Grid S/stn	Region	Voltage level(kV)	Installed capacity(MVA)	DTL source	Deliberation in 22 nd GCC meeting
1	C-Dot	South	66/11	60	220kV Mehrauli	BRPL informed that status will be given in the coming Steering Committee.
2	DIAL-AEROCITY	South	66/11	80	220kV DIAL	
3	G-2 Pappankalan	West	66/11	40	220kV Pappankalan-I	
4	Jafarpur	West	66/11	60	220kV Najafgarh	
5	Pappankalan-2	West	66/11	40	220kV Pappankalan-II	
6	Sagar Pur	West	66/11	60	220kV Pappankalan-I	
7	Hari Nagar	West	66/11	60	220kV Pappankalan-I	
8	GGSH	West	66/11	50	220kV Pappankalan-II	
9	Hastal	West	66/11	75	220kV Pappankalan-II	
10	Mundka	West	66/11	50	400 kV Mundka/Neelwal	
11	Fatehpur Beri	South	66/11	50	220kV Mehrauli	
12	Mithapur	South	66/11	50	220kV Pappankalan-II	

It was observed that all the grids as mentioned above are directly connected from either 400kV or 220kV Sub Stations of DTL. For providing second source, the possibility shall be explored by BRPL. However, BRPL was advised to maintain 66/33kV ring in the vicinity of grid sub stations to maintain alternate supply.

(iii) BYPL:

S. N	Circle	Grid Name	Volta ge Level	Present Feeding arrangement	Additional Source proposed	Deliberation in the steering Committee	Deliberation in 22 nd GCC meeting
1.	Central	Anand Parbat	33/11 kV	Shastri Park ckt- 1&2	2 No. 33 kV feed planned from 220 kV DEV NAGAR	Dev Nagar 220/33kV is expected by 2020-21.	BYPL informed that 2 nd Feed will be provided from 220kV Dev Nagar Sub-Station
2.	North East	Bhagirathi	66/11 kV	Ghonda ckt- 1&2	2 No. 66 kV feed planned from 220 kV WAZIRABAD	DTL to create 2 additional 66kV bays at South of Wazirabad before summer 2019.	DTL informed that it is under tendering stage.
3.	North East	Dwarkapuri	33/11 kV	Bhagirathi, Seelampur	2 No. 33 kV feed planned from 220 kV PREET VIHAR		DTL informed that expected for awarding of work by March 2020.
4.	South East	CBD Shahdara2	33/11 kV	Vivek Vihar, KKD ckt	1 No. 33 kV feed planned from 220 kV PREET VIHAR		BYPL informed that it has been deferred up to 2021.
5.	South East	New Kondli	66/11 kV	Kondli ckt- 1&2		02 no. additional 66 kV bays required at 220 kV GAZIPUR before summer 2019.	BYPL informed that status will be given in the coming Planning Steering Committee.
6.	North East	Dilshad Garden	66/11 kV	Nandnagari ckt- 1&2		New 220/66 kV Grid required as Harsh Vihar Gird which is feeding these stations is very far.	
7.	North East	East of Loni Road	66/11 kV	Ghonda ckt- 1&2			
8.	North East	G T Road Shahdara	33/11 kV	O/H Ghonda, Vivek Vihar ckt-2		New 220/33 kV Grid required	
9.	North East	Jhilmil	33/11 kV	G.T. Road, V. Vihar ckt- 1			
10.	North East	Karawal Nagar	33/11 kV	Bhagirathi ckt- 1&2			
11.	North East	Seelampur	33/11 kV	Dwarakapuri , Ghonda O/H			
12.	South East	Dallupura	66/11 kV	Kondli ckt- 1&2			
13.	South East	Mayur Vihar-2	66/11 kV	Dallupura ckt- 1&2		New 220/66 kV Grid required	
14.	South East	PPGH-II	66/11 kV	GH-1 ckt- 1&2		2 No. 66 kV bays required at 220 kV PPG	

GCC advised that status regarding radial feed sub-station of DISCOM has to be discussed in coming Planning Steering Committee.

2.1.7 Status of shifting of 11kV load from 220kV sub-stations of DTL

DTL informed that none of the 220kV grid sub-stations has space to accommodate any other system as at some sub-stations DTL is facing severe space constraints for adding bays and expansion as per system requirement. In respect of 220kV Patparganj, many 220kV and 66kV elements are even operating with single bus selection mode due to space constraint affecting the reliability of power supply.

As per 13th Business Plan of DTL and as agreed in the SCM dated 04.04.18 DTL has planned the replacement of outlived 66/11kV and 33/11kV Power transformers installed at 220 kV sub-stations as under:

S.N	Sub Station	Details of existing Tx.	Augmentation Plan
1	Lodhi Road	2 no 33/11kV 20MVA	2 no 33/11kV 25MVA
	Lodhi Road	2 no 33/11kV 16MVA	2 no 33/11kV 25MVA
2	Najafgarh	2 no 66/11kV 20MVA	2 no 66/11kV 31.5MVA
3	Okhla	2 no 66/11kV 20MVA	2 no 66/11kV 31.5MVA
4	Sarita Vihar	2 no 66/11kV 20MVA	2 no 66/11kV 31.5MVA
5	Pappankalan-I	2 no 66/11kV 20MVA	2 no 66/11kV 31.5MVA
6	Mehrauli	2 no 66/11kV 20MVA	2 no 66/11kV 31.5MVA

However, it has been noticed that Discoms have started shifting the 11kV loads from 220kV sub-stations of DTL. Gopalpur is one example. All Discoms were requested to indicate the status of the plan of shifting the 11kV loads from the 220kV sub-stations of DTL.

GCC advised that status of shifting of 11kV load from 220kV sub-stations of DTL has to be discussed in coming Planning Steering Committee.

2.1.8 Status of all schemes of DISCOMs which are approved in various SCMs from 2010 onwards along with bay allocation and utilization detail

It is observed that some of the schemes are approved in SCMs and are not got executed till date. The reasons for not executing these schemes timely have also not been apprised to SCM. Hence the status of all schemes of DISCOMs which are approved in various SCMs from 2010 onward is required. In addition the bay allocated viz a viz utilized at various sub stations of DTL are also required to be provided for optimum utilization of assets.

BRPL, BYPL informed that status will be updated in the coming Planning Steering Committee.

2.1.9 Revival of Mundka- Nangloi Ckt.

- i. 66 kV Mundka- Nangloi was commissioned in 2011 but the same was remain under breakdown. BRPL to take up all possible steps to normalize the operation of 66kV Mundka-Nangloi and 66kV Mundka-Nangloi Water works feeders as a substantial amount has been invested (about Rs. 15 Crores) but the public is not getting the benefit from utilization of the same.
- ii. The stabilization of 66kV feeders would be resulting into optimum utilization of 220/66kV, 320 MVA capacity available at Mundka S/Stn. whose loading utilization is much less.
- iii. The more loading of 66kV feeders at Mundka S/Stn. would ease the loading of the 220 kV Najafgarh etc.

BRPL informed that it will be completed by mid December 2019.

2.2 IMPLEMENTATION OF AUTOMATIC DEMAND MANAGEMENT SCHEME BY DISCOMS

The implementation of ADMS is being monitored by CERC and in suo moto petition no. 5/2014 in the matter of “non compliance of Regulation 5.4.2(d) of the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulation 2010” the following has been directed:

.....however, considering the request of the respondents to grant time to implement ADMS, we grant time till 30.06.2016 to the respondent to implement ADMS failing which they will be liable for action under Section 142 of the Act for non compliance of the Regulation 5.4.2(d) of the Grid Code and order of the Commission. RLDCs are directed to submit the report in this regard by 31.08.2016”.

The position updated in the utilities in the 21st GCC is as under:-

TPDDL : SCADA has already been upgraded. This has the facility of ADMS. The work has been completed and commissioned on 19 March 2018.

BYPL : Already in place.

BRPL : SCADA has already been up-graded. This has the facility of ADMS.

NDMC: The software has been upgraded and under testing.

MES : Exempted due to very small utility and considering strategic important load to be catered.

In the last meeting, GCC advised SLDC to call a meeting with all discoms after implementation of ADMS.

NDMC informed that their contractor M/s ABB is expected to give a timeline by September 2019. The matter was discussed and NDMC was advised to ensure schedule as per load requirement and control its Overdrawal manually till ADMS is commissioned. Further, adequate PPAs be signed and allocation obtained from Ministry to ensure no shortage of power in the ensuing summer.

NDMC informed that work is under progress and expected to be completed upto December 2019.

GCC advised NDMC to take up the work on priority.

2.3 OUTSTANDING DUES

DTL

2.3.1 NON PAYMENT OF OUTSTANDING DUES OF DTL BY BRPL, BYPL

BSES utilities are not paying dues to DTL since October, 2010 due to which DTL is facing acute financial crisis. Due to financial crunch, DTL is not able to expand its network as per plans. Even, maintenance activities are also suffering badly. The outstanding dues owed to BSES utilities are increasing month by month. Hon’ble Supreme Court vide its orders dated 26.03.2014, 12.05.2016 has directed BSES Discoms to clear the current dues of DTL i.e. dues w.e.f. 01.01.2014 but BSES utilities are not even complying the directions of Hon’ble Supreme Court. The details of outstanding dues on BSES utilities are as under :-

i) **The details of current dues payable to DTL by BRPL for the period 01.01.2014 to 31.12.2018 are reproduced hereunder:**

Billing Period	Total Bill amount	Minimum payable amount (as per direction of Hon'ble Supreme Court Orders)	Total minimum payable amount (as per direction of Hon'ble Supreme Court Orders)	Payment received till 30.09.2018	Balance minimum amount of current dues payable as per direction of Hon'ble Supreme Court
01.01.14 to 30.04.16	752.51	677.26	1420.76	592.84	827.92
01.05.16 to 31.12.18	1083.83	743.50			

Therefore, it is evident from the above that minimum amount of Rs. 827.92Cr. is still required to be paid by BRPL to honour the Hon'ble Supreme Court orders.

The total outstanding dues on BRPL as on 31.01.2019 amounting of Rs. 1699.35 Cr after adjustment of subsidy diverted by GNCTD (including current due and LPSC for the billing period 01.10.2010 to 31.12.2018.)

BRPL submitted that it is already complying with Hon'ble Supreme Court Order of making payment of 70% of current dues. Further from Nov'17 onwards it has also started paying 100% of current dues to DTL. Further BRPL, has also endeavoured to make the additional payments to DTL, since June 18 onwards, which is over and above the current dues payable.

BRPL informed that it is paying 100% of current dues to DTL besides making the additional payments to cover the previous outstanding for the period 2014 onwards.

GCC advised that a separate meeting shall be called by DTL with BRPL and details of amount amortised by DERC viz-a-viz payment by BRPL to DTL shall be provided by BRPL in that meeting.

ii) **The details of current dues payable to DTL by BYPL for the period 01.01.2014 to 31.12.2018 are reproduced hereunder:**

The details of current dues for the period 01.01.2014 to 31.12.2018 are reproduced hereunder:

(Amount in Rs. Cr.)					
Billing Period	Total Bill amount	Minimum payable amount (as per direction of Hon'ble Supreme Court Orders)	Total minimum payable amount (as per direction of Hon'ble Supreme Court Orders)	Payment received till 31.01.19	Balance minimum amount of current dues payable as per direction of Hon'ble Supreme Court
01.01.14 to 30.04.16	473.67	426.30	827.25	241.21	586.04
01.05.16 to 31.12.18	584.48	400.95			

Therefore, it is evident from the above that minimum amount of Rs. 586.04 Cr. is still required to be paid by BYPL to honour the Hon'ble Supreme Court orders.

The total outstanding dues on BYPL as on 31.01.2019 amounting of Rs.1120.69 Cr after adjustment of subsidy diverted by GNCTD (including current due and LPSC for the billing period 01.10.2010 to 31.12.2018).

In view of the huge outstandings as brought out above, the above beneficiaries i.e. BRPL & BYPL were advised to liquidate the outstanding dues of DTL at the earliest.

BYPL informed that it is paying 100% of current dues to DTL. In the last meeting GCC noted that both BRPL and BYPL have been getting costs reflective tariffs along with liquidation of regulatory assets from the regulator since the last two years, accordingly, BRPL and BYPL is directed to submit details of payment made by them to the utilities from the liquidation amount of regulatory assets immediately.

GCC advised that a separate meeting shall be called by DTL with BYPL and details of amount amortised by DERC viz-a-viz payment by BYPL to DTL shall be provided by BYPL in that meeting.

- iii) Non furnishing of LCs by BRPL & BYPL
BRPL and BYPL have not furnished LCs to DTL. Letters were issued to both the Distribution Licensees for providing LCs for FY 2019-20 for amount of Rs. 39,55,06,870/- and **Rs. 22,19,75,709/-** respectively w.e.f. 1st April, 2019 but no LCs have been provided by both the Discoms so far.

Cash flow mismatch in past had adversely affected payment obligations, debt servicing capability of the Company and accumulation of outstanding dues to power suppliers. These constraints have restricted our capability to establish desired LC's in favour of power suppliers. Presently BRPL is not in position to establish LC in favour of any of its power supplier.

GCC advised the above beneficiaries i.e. BRPL & BYPL to make all efforts for opening of LC in favour of DTL at the earliest.

BRPL and BYPL informed that they are finding difficult to obtain any guarantees required for opening the LC's from any banks.

GCC advised that a separate meeting shall be called by DTL with BRPL & BYPL and details of amount amortised by DERC viz-a-viz payment by BRPL & BYPL to DTL shall be provided by BRPL and BYPL in that meeting.

2.3.2 INTRASTATE UI ACCOUNT

The position of payment of Intrastate UI/ DSM accounts for last three years (as on 31st March) is updated as under:-

STATEMENT OF UI AS ON 31.03.2016					
S. No.	Financial Year	Constituents	Payable Amount (Principal)	Receivable Amount (Principal)	Net Payable (+)/ Receivable(-)
1	31.03.2016	IPGCL	1,44,52,343.00	1,16,29,075.00	28,23,268.00
2	31.03.2016	PPCL	25,89,170.00	-	25,89,170.00
3	31.03.2016	BTPS (NTPC)	-	-	-
4	31.03.2016	BYPL	5,68,43,845.00	96,08,57,017.00	-90,40,13,172.00
5	31.03.2016	BRPL	1,12,75,12,497.00	1,79,44,04,903.00	-66,68,92,406.00
6	31.03.2016	TPDDL (NDPL)	31,082.00	-	31,082.00
7	31.03.2016	NDMC	2,98,00,465.00	-	2,98,00,465.00
8	31.03.2016	MES	3,38,84,058.00	10,62,21,181.00	-7,23,37,123.00
		TOTAL	1,26,51,13,460.00	2,87,31,12,176.00	-1,60,79,98,716.00

STATEMENT OF UI AS ON 31.03.2017					
S. No.	Financial Year	Constituents	Payable Amount (Principal)	Receivable Amount (Principal)	Net Payable (+)/ Receivable (-)
1	31.03.2017	IPGCL	1,44,52,343.00	1,16,29,075.00	28,23,268.00
2	31.03.2017	PPCL	25,89,170.00	-	25,89,170.00
3	31.03.2017	BTPS (NTPC)	-	-	-
4	31.03.2017	BYPL	6,18,16,587.00	1,09,42,90,851.00	-1,03,24,74,264.00
5	31.03.2017	BRPL	1,13,70,18,003.00	1,79,44,04,903.00	-65,73,86,900.00
6	31.03.2017	TPDDL (NDPL)	31,082.00	-	31,082.00
7	31.03.2017	NDMC	2,98,00,465.00	-	2,98,00,465.00
8	31.03.2017	MES	4,84,31,731.00	14,63,00,388.00	-9,78,68,657.00
9	31.03.2017	MSW BAWANA	-	-	-
		TOTAL	1,29,41,39,381.00	3,04,66,25,217.00	-1,75,24,85,836.00

STATEMENT OF UI AS ON 31.03.2018					
S. No.	Financial Year	Constituents	Payable Amount (Principal)	Receivable Amount (Principal)	Net Payable(+)/ Receivable(-)
1	31.03.2018	IPGCL	1,50,89,103.00	1,16,29,075.00	34,60,028.00
2	31.03.2018	PPCL	30,58,995.00	-	30,58,995.00
3	31.03.2018	BTPS (NTPC)	-	-	-
4	31.03.2018	BYPL	6,53,79,542.00	1,29,52,53,108.00	-1,22,98,73,566.00
5	31.03.2018	BRPL	1,17,11,55,858.00	1,79,44,04,903.00	-62,32,49,045.00
6	31.03.2018	TPDDL (NDPL)	7,05,562.00	2,12,79,811.00	-2,05,74,249.00
7	31.03.2018	NDMC	5,37,03,019.00	14,63,07,123.00	-9,26,04,104.00
8	31.03.2018	MES	6,32,07,939.00	18,23,31,575.00	-11,91,23,636.00
9	31.03.2018	MSW BAWANA	-	-	-
		TOTAL	1,37,23,00,018.00	3,45,12,05,595.00	-2,07,89,05,577.00

Notes:-

The above figures are showing outstanding principal amount only.

Interest @ 0.04% per day is yet to be figured out on the above outstanding amount payable, after confirmation from various constituents.

The above figures are yet to be reconciled and confirmed from the constituents.

SLDC discharges the payment liabilities to the utilities including that of NRPC (which is the priority payment as per the provisions of DSM Regulations) from the Pool.

It was informed that during the year 2016-17, SLDC has paid Rs.60.76 Crores to NRLDC to avoid legal issues arising out of non payment of dues and the dues of other utilities were also settled.

However, the interest portions with regard to Intrastate Utilities are to be settled. It was explained that upto 2013-14, the accounts have already been settled.

In the previous meetings, GCC advised SLDC to immediately do the needful for recovery of dues from the defaulting utilities. As per the decision taken in the GCC, SLDC has started the proceedings for filing the petition before DERC for recovery of the dues from the defaulting utilities.

GCC had advised SLDC to reconcile the accounts at the earliest.

SLDC Finance Department informed that they have finalised the accounts at their level and are now sending letters to each utility to reconcile the accounts.

In the last GCC no representative from SLDC Finance was available however, SLDC representative informed that the reconciliation of account has been carried out with IPGCL, TPDDL and NDMC. GCC advised SLDC finance and the rest of the DISCOMS to coordinate and reconcile at the earliest

SLDC Finance informed latest status as under:-

STATEMENT OF UI AS ON 31.03.2018					
S. No.	Financial Year	Constituents	Payable by Delhi SLDC (Principal)	Receivable by Delhi SLDC (Principal)	Net Payable/ Receivable
1	31.03.2016	IPGCL	34,60,028.00	-	-34,60,028.00
2	31.03.2016	PPCL	6,72,246.00	-	-6,72,246.00
3	31.03.2016	BTPS (NTPC)	-	-	-
4	31.03.2016	BYPL	10,29,59,623.00	1,22,58,09,164.00	1,12,28,49,541.00
5	31.03.2016	BRPL	1,21,00,83,639.00	1,75,08,21,732.00	54,07,38,093.00
6	31.03.2016	TPDDL (NDPL)	40,13,214.00	2,12,79,811.00	1,72,66,597.00
7	31.03.2016	NDMC	5,37,03,019.00	14,63,07,123.00	9,26,04,104.00
8	31.03.2016	MES	6,98,22,303.00	7,86,12,332.00	87,90,029.00
			-	-	-
		TOTAL	1,44,47,14,072.00	3,22,28,30,162.00	1,77,81,16,090.00

SLDC Finance further, informed that :-

1. Confirmation of TPDDL is pending due to issues raised by the TPDDL for revision of Week No. 33, 34 & 35 FY-2017-18.
2. In spite of various reminder from SLDC, NDMC is not reconciling the same.
3. Reconciliation of UI/DSM for the Financial Year 2018-19 is under finalization.

GCC advised all utility to reconcile the accounts at the earliest.

2.3.3 Outstanding dues of IPGCL / PPCL.

i) Non-payment of Energy Bills by BRPL and BYPL since October, 2010.

Since the re-assignment of the PPA signed with DTL, energy is being supplied and billed by IPGCL and PPCL to all the Distribution Companies as per the Energy Account issued by the State Load Dispatch Centre, Delhi (SLDC) and the payments for the bills raised were being realized within the stipulated period in the past, as per the PPA/ Regulations issued by the DERC.

However, full payments are not being released by BRPL and BYPL from the month of October, 2010. The details of outstanding are as under:

(Amount Rs. in Crores)

Company	BRPL	BYPL	Total
IPGCL	2081.09	1279.52	3360.61
PPCL	4158.87	3057.80	7216.67
Total	6239.96	4337.32	10577.28

Further, in total disregard to Hon'ble Supreme Court of India order dated 12-05-2016; BYPL and BYPL are not paying even 70 % of Current outstanding. The balance current unpaid dues as on date are as under:

(Amount Rs. in Crores)

70% of Current Dues payable by BSES Discoms as per SCI order dt. 12.05.16							
Rs. in cr.							
Utility	BRPL			BYPL			Total
	70% of Billed & due Amount wef 01.01.14	Payment received wef 01.01.14	Net Payable 01.01.14	70% of Billed & due Amount wef 01.01.14	Payment received wef 01.01.14	Net Payable 01.01.14	Total Payable w.e.f 01.01.14
IPGCL	966.90	522.10	444.80	330.01	113.82	216.19	660.99
PPCL	3214.01	1565.74	1648.27	1830.04	573.61	1256.43	2904.71
Total	4180.92	2087.84	2093.07	2160.05	687.43	1472.62	3565.70

Further, the State Commission, in its Tariff order dated 31.08.2017 & 28.03.2018 under chapter 6 Clause 6.1 in case of BRPL & BYPL has also directed as under;

“A6: Directives

- 6.1** The commission directs the petitioner to make timely payment of bills to all the generating companies and transmission utilities. No late payment surcharge shall be allowed as pass through in the ARR on account of delayed payments.....”

However, from April'17 to Oct'19 an amount of Rs. 2704.89 Cr. is due for payment for the energy bills raised as per DERC order dated 31.07.2019, 28.03.2018 & 31.08.2017.

The members of Grid Coordination Committee are requested to deliberate the issue and impress upon BYPL and BRPL to make the payment of dues without any further delay.

In the last GCC meeting IPGCL representative informed that both BRPL and BYPL are paying only part payment of the current dues. GCC advised both the DISCOMS to comply with the Supreme Court order and also submit the liquidation plan for outstanding dues at the earliest.

BRPL representative informed the following :-

BRPL submitted that it is already complying with Hon'ble Supreme Court Order of making payment of 70% of current dues. Further from Nov'17/Dec '17 onwards it has also started paying 100% of current dues to IPGCL/PPCL. Further BRPL, has also endeavoured to make the additional payments to IPGCL/PPCL, since June 18 onwards, which is over and above the current dues payable.

In view of the huge outstandings as brought out above, the above beneficiaries i.e. BRPL & BYPL were advised to liquidate the outstanding dues of PPCL/IPGCL at the earliest.

IPGCL representative informed that both BRPL and BYPL are paying only part payment of the current dues. In the last meeting GCC advised both the DISCOMS to comply with the Supreme Court order and also submit the liquidation plan for outstanding dues at the earliest.

ii) Opening of LC by BRPL and BYPL for Bulk Power Supply to IPGCL and PPCL Power Stations.

Various correspondences have been made by IPGCL and PPCL in respect of opening of LC for securing Bulk Power Supply. However, BRPL and BYPL in spite of number of reminders have not established LC in respect of IPGCL and PPCL since April, 2011.

In the last GCC meeting BRPL and BYPL informed that they are finding it difficult to obtain any guarantees required for opening the LC's from any banks.

BRPL representative informed the following :-

Cash flow mismatch in past had adversely affected payment obligations, debt servicing capability of the Company and accumulation of outstanding dues to power suppliers. These constraints have restricted our capability to establish desired LC's in favour of power suppliers. Presently BRPL is not in position to establish LC in favour of any of its power supplier.

GCC advised the above beneficiaries i.e. BRPL & BYPL to make all efforts for opening of LC in favour of PPCL/IPGCL at the earliest.

BRPL and BYPL informed that they are finding it difficult to obtain any guarantees required for opening the LC's from any banks.

iii) Non-payment of dues and LPSC charges by TPDDL.

TPDDL started default in payment of energy bills since October, 2015. The status of various communication, DERC order and follow up by IPGCL & PPCL since first default till date are as under:

(Amount Rs. in Crores)			
Company	IPGCL	PPCL	Total
TPDDL	38.24	132.51	170.75

GCC advised the TPDDL to reconcile the accounts and clear all dues of PPCL/IPGCL at the earliest.

TPDDL informed that a petition has been filed and is pending in DERC on the above issue.

GCC noted the same.

iv) **Non-payment of Energy Bills of Sept'2017 to March'2018 of IPGCL (GTPS) by NDMC.**

IPGCL raised energy bills in respect of energy supplied from 01.09.2017 to 31.03.18 from GTPS power station as per allocation letter dt. 01.09.2017 of Delhi SLDC. The power from GTPS was scheduled by Delhi SLDC to NDMC since 01.09.2017 to 31st March 2018. However, NDMC has not made payment for energy bills for power supply from GTPS from September' 2017 to March'2018. Further with effect from 01.04.2018, the allocations for said amount of Power have been withdrawn from NDMC. An amount Rs 87.69 Cr. Including late payment surcharge up to 30.09.2019 is due for payment for energy bills raised from 01.09.2017 to 31.03.2018.

In the 20th GCC meeting of the State NDMC agreed to release the payment of all stakeholder for the power supply, Transmission and scheduling from GTPS during the period, however, till date payment has not been released by NDMC.

Further, the matter was also discussed in 21st GCC meeting and the GCC noted that the matter is still pending and advised NDMC to comply with the directions of DERC as per its letter dated 09.02.2018 it was also noted that NDMC has included the pending payment in its ARR also. It has also not contended the matter to DERC or in APTEL. NDMC was informed that in case of continued in-action on the part of NDMC regarding this issue suitable action as per regulations shall be initiated.

It is also to mention here that the Department of Power, GNCTD vide its letter no. F.11()/2019/power/2549 dated 23.09.2019 has also requested NDMC to resolve the issue earliest however no communication have been received from NDMC.

The members of Grid coordination Committee of Delhi State are requested to deliberate the issue and impress upon NDMC to pay energy bills raised by IPGCL without any further delay.

NDMC stated that no payment are liable to pay. IPGCL informed that as the energy has been scheduled by SLDC as per direction of DERC, as such bill has been raised and NDMC has to pay.

GCC noted that the matter is still pending and advised NDMC to comply with the directions of DERC as per its letter dated 09.02.2018. It was also noted that NDMC has included the pending payment in its ARR also. It has also not contended the matter to DERC or in APTEL.

v) **Non-payment of outstanding amount of IPGCL / PPCL by DTL**

Following bills raised on DTL are outstanding:-

a) A bill of Rs. 52.10 Cr. Including surcharge on account of impact of true up order for the period FY 2007-08 to FY 2011-12 (carrying cost Implementation of Hon'ble ATE Judgment in Appeal No.81 of 2017 Rs.17.35 crores).

b) Rs. 37.95 Cr. for late payment of revised Bill of FY 2006-07 for IPGCL. As on 28.02.2019 DTL is to release a balance of Rs.16, 97, 49,833/- on account of principal bill dated 18.01.2010 and unpaid surcharge on it Rs.19, 18, 79,791/- further surcharge as per DERC Regulations will be attracted on balance principal.

c) Rs. 2.94 crore for late payment of revised Bill of FY 2006-07 PPCL.

The matter was discussed in the 21st GCC meeting and GCC advised DTL to include this amount in current ARR of DTL and DTL representative confirmed that it will include this amount in its revised petition to DERC.

Even DERC in its tariff order of DTL issued on 31.07.2019 has directed in clause 2.85 page number 35 as under:

“The Commission has already decided the matter in the relevant Tariff Order of IPGCL. The Petitioner is directed to verify the claim of IPGCL and make the

appropriate payment. The Petitioner may claim the amount in subsequent Tariff Order.”

In spite of above direction by State Commission, DTL has not paid the outstanding dues of IPGCL.

The members of Grid coordination Committee of Delhi State are requested to deliberate the issue and impress upon DTL to pay above amounts without any further delay.

DTL informed that matter has been taken up with DERC.

GCC noted.

- 2.3.4 BYPL and TPDDL had submitted a table agenda regarding refund of NRLDC charges for the period FY 2009-2014 as per Hon'ble CERC directions. Wherein both had informed that earlier the fees and charges of NRLDC were billed and collected by NRLDC from Delhi Discoms through Delhi SLDC (Nodal Agency). The billed amount was being paid by DISCOMS to DTL and the same was being disbursed by DTL to NRLDC (after deducting the TDS).

In compliance to CERC order dated 31.03.2015 and ROP dated 07.07.2015 and CERC final order dated 18.03.2016 for truing up of principal and interest refund amount for the period Apr-09 to Mar-14, NRLDC has refunded the differential amount of Delhi Discoms, to DTL on May-2015 (95%) and July-2016 (balance)

Delhi Discoms have not received the refund of differential amount till date.

In the last meeting , no representative from SLDC Finance was available however, SLDC representative informed that initially reconciliation has to be carried out with NRLDC/DTL then only this can be refunded to the beneficiaries. GCC advised SLDC finance to reconcile at the earliest.

In the last meeting GCC advised Delhi SLDC to reconcile the complete statement and refund the amount due to the beneficiaries/utility at the earliest.

In this regard SLDC Finance informed as under:-

SLDC Finance has initiated the process of reconciliation of NRLDC charges with Discoms and NRLDC. However, it has been observed that TDS were deducted by Discoms on NRLDC charges and the credit of the TDS had been given to the DTL. Thereafter, balance amount of NRLDC Charges received from Discoms were disbursed to the NRLDC after deduction of TDS. It seems that there were double deductions of the TDS on NRLDC charges.

In order to reconcile the NRLDC charges account with Discoms and NRLDC, following is solicited from DTL Taxation department: -

Year wise data regarding TDS amount booked and claimed as credit of TDS by DTL against the tax liability.

Thereafter, amount of TDS claimed as credit of TDS by DTL may be refunded by DTL to SLDC.

In this regard, SLDC Finance has already put up a proposal for refund of the TDS (TDS on NRLDC charges) claimed as credit of TDS against tax liabilities of DTL by DTL to SLDC.

Matter was deliberated in the meeting and it was unanimously agreed that NRLDC charges may be refunded to the Discoms to the extent of amount available in NRLDC pool account based on the truing up of NRLDC charges FY 2009-2014 as reconciliation of TDS requires considerable time involving DTL finance team and Discom Finance team.

In this regard, discoms requested SLDC to provide the discom wise percentage to be utilized to disburse the amount refunded by NRLDC on account of NRLDC charges.

GCC advised SLDC to share the percentage with DISCOMs to be utilized to disburse the amount lying with SLDC on account of NRLDC charges. The said amount will be disbursed amongst the Discoms in agreed ratio. SLDC Finance shall reconcile double tax deduction with DTL Finance separately.

2.4 STATUS OF IMPLEMENTATION OF RECOMMENDATIONS OF EXPERT COMMITTEE ON GRID DISTURBANCES OCCURRED ON 30.07.2012 AND 31.07.2012 IN THE GRID.

Clause	Recommendations	Status as on date														
9.1.1	Periodical 3 RD Party Protection Audit – Time frame – within one year	<p>The Protection Audit was completed before CWG-2010. The deficiencies pointed out and the latest status on the issue of removal of deficiencies is as under :-</p> <table border="1"> <thead> <tr> <th>S N</th> <th>Description of Issue</th> <th>Sub-Stn</th> <th>Action taken/proposed</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DR and Event Logger to be provided or to be kept in order</td> <td>Bamnauli</td> <td>The EL at 400kV S/Stns is in place. EL for 220kV under procurement and installation expected to be completed by December 2016. DR already available with 400kV system. DR for 220kV system is the inbuilt feature of Numerical Relays which have already been installed.</td> </tr> </tbody> </table> <p>(Basic Protection Audit carried out on 400kV S/Stn Bamnauli before CWG)</p> <p>NRPC advised DTL to go for fresh third party protection audit of entire DTL system. In 95th OCC meeting held on 21.01.2014 at NRPC, DTL submitted the list of 25 numbers of 220kV Grids S/Stns identified for third party audit. Out of these, TPA of 400kV Mundka, 220kV Shalimar Bagh, 220kV Rohini-I and 220kV Mehrauli S/Stn were completed by 25.05.2014. The main observation was regarding replacement of static relays by Numerical relays.</p> <p>DTL's protection Department representative informed that Line Numerical differential relays are installed in DTL 220kV lines. PO for 26 No. bus bar protection schemes awarded. All panels along with control cables received in corresponding sides. Erection work under process. Tender for replacement of old Static relays with numerical relay has been dropped and estimate has been revised and under approval of Competent Authority. DR and EL for the DTL sub Stations is the inbuilt function of the Numerical relays and will be integrated in the SAS while upgradation of conventional sub stations to automation which will be done after commissioning of all BCU's and Numerical relays.</p> <p>NRPC has constituted a committee for conducting regular audit, DTL has given its nomination to NRPC for the audit group. NRPC is going to conduct a training programme for the all the Nominees of various states, after which the audits shall carried out regularly in whole of NR.</p> <p>In the last GCC, DTL protection dept informed that line differential relays have been installed on all 220/400 kV lines. Out of 26 nos. bus bar protection panel awarded, 19 nos. have been installed. Further, audit by NRPC shall shortly be commenced .</p> <p><u>Protection deptt informed that line differential relays have been installed on all 220/400 kV lines. Out of 26 nos. bus bar protection panel awarded, 19 nos. have been installed. Further, audit by NRPC shall shortly be commenced .</u></p> <p>GCC advised DTL to expedite the replacement work.</p>	S N	Description of Issue	Sub-Stn	Action taken/proposed	1	DR and Event Logger to be provided or to be kept in order	Bamnauli	The EL at 400kV S/Stns is in place. EL for 220kV under procurement and installation expected to be completed by December 2016. DR already available with 400kV system. DR for 220kV system is the inbuilt feature of Numerical Relays which have already been installed.						
S N	Description of Issue	Sub-Stn	Action taken/proposed													
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9.1.4	Complete independent audit of time synchronization of DRs, EL and PMs should be carried out - Time frame – within one month	<p>As far as IPGCL and PPCL systems are concerned, they informed that DR is available at CCGT Bawana and Pragati. EL is not required at generating stations as generators have inbuilt features of EL. PPCL / IPGCL informed the following:</p> <table border="1"> <thead> <tr> <th rowspan="2">Name of Utility</th> <th colspan="3">Time synchronization</th> </tr> <tr> <th>DR</th> <th>EL</th> <th>PMU</th> </tr> </thead> <tbody> <tr> <td>DTL</td> <td>Implemented</td> <td>Implemented</td> <td rowspan="2">Installed Bamnauli</td> </tr> <tr> <td>RPH</td> <td>Not required on 33kV feeders</td> <td>Two Nos of 33 kV bays i.e. Bay No. 1 and 2 are already having Numerical relays installed. The switchyard maintenance is now being taken care of by DTL. DR and EL for these Numerical relay shall be utilized for any disturbances in these feeders. In the last meeting, DTL representative informed that the relays shall be replaced after award and supply of equipments proposed in the PSDF tender.</td> </tr> </tbody> </table>	Name of Utility	Time synchronization			DR	EL	PMU	DTL	Implemented	Implemented	Installed Bamnauli	RPH	Not required on 33kV feeders	Two Nos of 33 kV bays i.e. Bay No. 1 and 2 are already having Numerical relays installed. The switchyard maintenance is now being taken care of by DTL. DR and EL for these Numerical relay shall be utilized for any disturbances in these feeders. In the last meeting, DTL representative informed that the relays shall be replaced after award and supply of equipments proposed in the PSDF tender.
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		<p>PPCL DRs are installed at all the three units of PPS-I. The DRs are time synchronized.</p> <p>It was informed that the latest numerical relays are installed on GT-1 & 2 and the process of installing Numerical relays on GRPs of STG is being done in phased manner.</p> <p>In last meeting PPCL informed that it is expected to be completed during next opportunity overhauling of STG. Complete independent audit of time synchronization shall be carried out within one month of installation completion. The relays case was initiated for relays retrofit in recent shutdown, however the case dropped due to abnormally high quoted rates by OEM.</p> <p>IPGCL/PPCL informed that it is expected to be completed by March 2022. SLDC suggested for early completion of work.</p>																																																															
		<p>GT The process of installing of DRs on the units of GTPS is being taken up on priority in phased manner. Further, 06 nos units out of nine are having numerical relays installed and the process of installing of latest numerical relays on the rest of the units is under progress in phased manner.</p> <p>The representative of GT informed that the work will be completed in three months</p> <p>It was informed that one of the STGs relay retrofitting is planned during next overhauling. Numerical relays have been installed in almost all 66kV feeders / bays and rest are being envisaged. The same is expected to be completed in 5-6 months. Complete independent audit of time synchronization shall be carried out within one month of installation completion. It was also informed that the work will be completed in three months.</p> <p>In the last meeting IPGCL informed that 270MW GTPS, One of the STG relay retrofitting is being carried out in the present overhauling of STG in progress. IPGCL representative informed that since the PPAs are expiring on 2021 accordingly, no major CAPEX work is being under taken.</p>																																																															
GCC advised all to expedite the replacement / modification work																																																																	
9.2.1	Tightening of Frequency band and be brought very close to 50Hz.	<p>CERC has already issued the amended Grid Code implemented from 17.02.2014 in which the allowable frequency band is 49.90Hz to 50.05Hz. The Deviation Settlement Mechanism has also been introduced according to the tightening to the frequency band. The main thrust of the amended Grid Code is the utilities should always strict to its scheduled drawal. Further, the following are the main issues:-</p> <ol style="list-style-type: none"> No over drawal by Delhi if frequency is below 49.90Hz. No under drawal by Delhi if the frequency is more than 50.05Hz. Every (12) time blocks the polarity of drawal should change. <p>In the regular OCC meetings of NRPC, the adherence of the above provisions is monitored. As far as Delhi is concerned, the main violation is occurring in respect of non change of polarity in 12 time blocks.</p> <p>The details of the violations of Delhi for last two years are as under:-</p> <table border="1"> <thead> <tr> <th>Duration</th> <th>Apr-17</th> <th>May-17</th> <th>June-17</th> <th>July-17</th> <th>Aug-17</th> <th>Sep-17</th> </tr> </thead> <tbody> <tr> <td>Violation of drawal limit 150MW if freq \geq49.7Hz and above</td> <td>OD- 89 UD-304</td> <td>OD-75 UD-352</td> <td>OD-193 UD-315</td> <td>OD-171 UD-189</td> <td>OD- 97 UD-306</td> <td>OD- 86 UD-292</td> </tr> <tr> <td>Violation of non polarity change of drawal</td> <td>125</td> <td>108</td> <td>105</td> <td>90</td> <td>108</td> <td>107</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Duration</th> <th>Oct-17</th> <th>Nov-17</th> <th>Dec-17</th> <th>Jan-18</th> <th>Feb-18</th> <th>March-18</th> </tr> </thead> <tbody> <tr> <td>Violation of drawal limit 150MW if freq \geq49.7Hz and above</td> <td>OD-36 UD-122</td> <td>OD-69 UD-68</td> <td>OD-179 UD-61</td> <td>OD-79 UD-84</td> <td>OD-22 UD-53</td> <td>OD-32 UD-81</td> </tr> <tr> <td>Violation of non polarity change of drawal</td> <td>122</td> <td>98</td> <td>122</td> <td>110</td> <td>92</td> <td>112</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Duration</th> <th>Apr-18</th> <th>May-18</th> <th>June-18</th> <th>July-18</th> <th>Aug-18</th> <th>Sep-18</th> </tr> </thead> <tbody> <tr> <td>Violation of drawal limit 150MW if freq $>$49.7Hz and above</td> <td>OD-63 UD-175</td> <td>OD-20 UD-90</td> <td>OD-1299 UD-231</td> <td>OD-108 UD-337</td> <td>OD-86 UD-126</td> <td>OD-51 UD-223</td> </tr> <tr> <td>Violation of non polarity change of</td> <td>122</td> <td>121</td> <td>134</td> <td>116</td> <td>99</td> <td>110</td> </tr> </tbody> </table>	Duration	Apr-17	May-17	June-17	July-17	Aug-17	Sep-17	Violation of drawal limit 150MW if freq \geq 49.7Hz and above	OD- 89 UD-304	OD-75 UD-352	OD-193 UD-315	OD-171 UD-189	OD- 97 UD-306	OD- 86 UD-292	Violation of non polarity change of drawal	125	108	105	90	108	107	Duration	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	March-18	Violation of drawal limit 150MW if freq \geq 49.7Hz and above	OD-36 UD-122	OD-69 UD-68	OD-179 UD-61	OD-79 UD-84	OD-22 UD-53	OD-32 UD-81	Violation of non polarity change of drawal	122	98	122	110	92	112	Duration	Apr-18	May-18	June-18	July-18	Aug-18	Sep-18	Violation of drawal limit 150MW if freq $>$ 49.7Hz and above	OD-63 UD-175	OD-20 UD-90	OD-1299 UD-231	OD-108 UD-337	OD-86 UD-126	OD-51 UD-223	Violation of non polarity change of	122	121	134	116	99	110
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9.4	All out efforts should be made to implement the provisions of IEGC with regard to Governor Action - POSOCO to take up the matter with Central Commission - Time frame – 3 months	<p>CERC in its order dated 31.12.2012 reiterated the need for compliance by generators and directed as to why they may not be held responsible for non-implementation of RGMO / FGMO mode of operation. A task force has been constituted by CEA under Member (Thermal), CEA to develop a procedure for testing of primary response of Generating units.</p> <p>CERC has revised the Clause regarding FGMO / RGMO as under:- <i>CERC (IEGC) 5th amendment of IEGC dated 12.04.2017 provides that all Coal/lignite based thermal generating units of 200 MW and above, Open Cycle Gas Turbine/Combined Cycle generating stations having gas turbines of capacity more than 50 MW each and all hydro units of 25 MW and above should provide RGMO/FGMO response. Further, it has been provided at Regulation 5.2(h) that ‘RLDCs/SLDCs should not schedule the generating station or unit(s) thereof beyond ex-bus generation corresponding to 100% of the installed capacity of the generating station or unit(s) thereof and that the generating station shall not resort to Valve Wide Open operation of units’ so that primary response is ensured. CERC in its letter dated 05.06.2017 has directed to obtain the status of availability of RGMO/FGMO response from the generators (ISGS as well as intra-state generators) in the region.</i></p> <p>In the last meeting IPGCL/PPCL representative informed that order has been placed to M/s BHEL and is expected to be completed by July 19. IPGCL / PPCL representative informed that work is expected to be completed for Pragati-I by November 2019 and CCGT Bawana by December 19.</p>																																														
9.7	In order to avoid frequent outages / opening of lines under over voltages and also providing voltage support under steady state and dynamic conditions, installation of adequate reactive power compensators should be	<p>NRPC has approved the capacitor requirement study for the year 2019-20 at 11/33kV level from CPRI to obtain the true requirement of capacitor. In this regard all NR utilities were requested to give peak summer data (Load/Voltage) and details as per format approved in NRPC.</p> <p>CPRI had also requested to initially fill the attached data format for any one 220 kV or 132 kV substation and send it back CPRI (manoharsingh@cpri.in) to check its suitability for utilization in carrying out the study. Once CPRI gives a go ahead for the submitted data, the data for the complete state network shall be collected and made available to CPRI.</p> <p>The revised formats had already been circulated to the respective utilities with necessary guidelines for filling the data in desired formats. SLDC Delhi has received the data from all utilities except NDMC which inspite of repeated reminders and discussion in Delhi OCC meetings has not yet submitted, accordingly, Delhi OCC has advised SLDC to send at least the balance data to NRPC/CPRI, since NRPC has intimated that the utilities not submitting the data shall have to carry out study at their own cost.</p> <p>Accordingly, the same has been sent to NRPC by SLDC.</p>																																														

planned.
Action :
CTU/STUs
and CEA
– Time frame
6 months

As far as reactor installation is concerned, the 39th meeting of Standing Committee of CEA held on 29&30 May 2017, it was suggested that reactors at following locations in Delhi be installed to control high voltage issues.

Sr. No	Name of the Grid	Reactors proposed in MVAR	Sr. No	Name of the Grid	Reactors proposed in MVAR
A	220kV		12	Electric Lane	2X25
1	Narela	25	13	Mandola	25
2	R.K. Puram-I	25	14	AIIMS	2X25
3	Patparganj-II	2X25	15	Sarita Vihar	25
4	Maharani Bagh (PG)	2X25	16	Bawana	25
5	Bamnauli	25	17	Preet Vihar	25
6	Subzi Mandi	2X25	18	Mundka	25
7	Gopalpur	2X25	19	Masjid Moth	25
8	Indraprastha	2X25	B	400kV	
9	Geeta Colony	2X25	1	Maharani Bagh (PG)	125
10	Harsh Vihar	2X25	2	Mundka	125
11	Wazirabad	2X25	3	Mandola (PG)	125

Based on the feasibility study conducted by DTL, the 40th Standing Committee Meeting held on 13.07.2018. DTL/PGCIL were advised to install reactors at the following locations.

S. No	Name of the Grid	Voltage level	Reactors proposed in MVAR	Remarks
1	Mundka	400kV	125	Reactors were approved in the Board which would be further processed for PSDF funding.
2	Bamnauli	220kV	2X25	
3	Indraprastha	220kV	2X25	
4	Harsh Vihar	220kV	2X50	
5	Electric Lane	220kV	1X50	Proposal have been prepared and it would be approved in the board at the earliest.
6	Mundka	220kV	25	
7	Peera Garhi	220kV	1X50	
8	Maharani Bagh (PG)	400kV	125	To be installed by Power Grid.
9	Mandola(P G)	400kV	125	
	Total	700		

It is expected that the reactors at the above locations would be installed by the year 2020-21.

In the last meeting, GCC advised DTL and PGCIL to expedite the reactors installation as suggested by Standing Committee of CEA.

In the NRPC meetings, it has been informed that the orders shall be placed by Dec 18.

DTL planning rep informed that approvals for all schemes from Sl. 1 to 7 (to be carried out by DTL) is in approval stage, however for sl. 5 , they informed the constraint of land at Electric lane, where there is only space for one additional transformer (for n-1 criteria) or one Reactor. In this regard, NDMC representative informed that there is huge voltage problem at Electric lane s/stn and confirmed that present two 100MVA transformers for meeting maximum 100MVA load with n-1 criteria shall be sufficient at Electric lane for the next few years.

In view of NDMC's confirmation GCC advised DTL to expedite the scheme of installation of reactors at all the seven locations (including Electric lane) as above.

In the last GCC meeting DTL planning department intimated the present status of schemes for reactor installation. Further, it was informed that the schemes are to be financed through PSDF. So schemes shall be sent to monitoring committee of PSDF before initiation of any tendering process.

DTL planning department intimated that except electric lane all are under tendering stage.

9.12	<p>Efforts should be made to design islanding scheme based on frequency sensing relays so that in case of imminent Grid failure, electrical island can be formed. These electrical islands not only help in maintaining essential services but would also help in faster restoration of Grid.</p> <p>Action : CEA, RPCs, CTU, STUs, SLDCs and generators Time Frame : six months</p>	<p>As per CPRI Study, it was concluded that due to variation of generation in the Delhi Island envisaged earlier, the chances of survival of single island including the generation of Dadri generating complex, Jhajjar, Bawana, BTPS and Pragati generating stations would be more.</p> <p>DTL representative informed that Revised Islanding scheme as per the NRPC /TCC recommendations is under implementation. The estimate has been prepared and is under vetting stage.</p> <p>In the last meeting, GCC advised DTL to implement the revised islanding scheme at the earliest as it is meant for meeting the exigencies and to maintain power supply of critical installations at the time of Grid failure.</p> <p>As per the revised scheme all the small islands shall be merged to a single island. DTL have to make the necessary changes in the relay settings for the creation of single island however the operational changes in the SAS are to be done through OEM. The work of implementation of revised islanding scheme for commissioning of operational changes in the SAS and Commissioning of new Islanding and Load shedding Panels through OEM is under process and is expected to be completed within 6 months.</p> <p>Meanwhile Minor Modification was required in the Islanding scheme due to introduction of 400kV Tuglakabad Sub Station. In the Islanding scheme there was isolation of 400kV Ballabgarh from 400kV Bamnauli. However after introduction of 400kV Tuglakabad isolation of grid connectivity from Bamnauli had to be disabled and isolation of 400kV Ballabgarh had to be shifted to 400kV Tuglakabad .</p> <p>The issue was deliberated in the 153 OCC meeting and thereafter as agreed in the meeting Main-1 and Main-2 Relays of 400kV Ballabgarh Feeders at 400kV Tuglakabad Sub Station are being utilised for isolation at Flat frequency of 47.9 Hz with some operational time delay of 50ms as done in existing scheme.</p> <p>Settings have been implemented on the Main-1 and Main-2 relays at 400kV Tuglakabad Sub Station and the scheme is functional. However the provisional arrangement will be removed after the commissioning of islanding panels by DTL as per the revised configuration.</p> <p>BYPL rep raised the issue of survival and subsequent synchronizing of local islanding at GT/ Pragati.</p> <p>In the last GCC meeting DTLs protection department intimated that the order for Islanding is expected to be placed by may 19 and work completed within 4 months thereafter. Regarding local islanding at Pragati station, Chairperson GCC advised DTL to arrange a meeting at PPCL in the first week of May 19 to resolve the issue and finalize the BOQ/any other technical requirement.</p> <p>GCC advised DTL to carry out a joint visit with Discoms and IPGCL/ PPCL to analyse the requirements for sustaining local island at GT station and to complete the pending work of Islanding at the earliest.</p> <p>GCC advised DTL Protection Department to call a separate meeting with all stakeholder.</p>
9.13.1	<p>System Operation needs to be entrusted to independent system operator. In addition, SLDCs should be reinforced for ring fences for ensuring function autonomy.</p> <p>Action : Govt. of India, time frame : one year</p>	<p>Delhi SLDC is operated under the control of DTL. There is the provision for SLDC to file separate ARR in DERC. The report of the committee constituted for ring fencing of SLDC Delhi was forwarded to GNCTD and followed up subsequently in 2018. Response of GNCTD is awaited.</p>

3 OPERATIONAL ISSUES

3.1 POWER SUPPLY POSITION

The anticipated power supply position of Winter 2019-20 is as under:-

All figures in MW

DELHI AS A WHOLE

MONTH	1st Fortnight					2nd fortnight				
OCT 2019										
	00-05	05-12	12-18	18-22	22-24	00-05	05-12	12-18	18-22	22-24
DEMAND	4500	4800	4900	4700	4600	3100	4100	4150	4250	3400
AVAILABILITY	5211	5291	5246	5502	5202	5123	5248	5203	5536	5114
SURPLUS (+) / SHORTAGE (-)	711	491	346	802	602	2023	1148	1053	1286	1714
NOV 2019										
DEMAND	2450	3750	3725	3800	2900	2075	3650	3400	3400	2450
AVAILABILITY	4134	4644	4377	4771	4135	4020	4498	4250	4625	4021
SURPLUS (+) / SHORTAGE (-)	1684	894	652	971	1235	1945	848	850	1225	1571
DEC 2019										
DEMAND	1925	3925	3575	3410	2525	2150	4500	4200	3650	2750
AVAILABILITY	4304	4615	4435	4715	4304	4559	4852	4671	4941	4559
SURPLUS (+) / SHORTAGE (-)	2379	690	860	1305	1779	2409	352	471	1291	1809
JAN 2020										
DEMAND	2150	4575	4200	3700	2950	2150	4400	4100	3725	3000
AVAILABILITY	4630	4884	4699	5001	4630	4608	4852	4659	4992	4608
SURPLUS (+) / SHORTAGE (-)	2480	309	499	1301	1680	2458	452	559	1267	1608
FEB 2020										
DEMAND	2050	4400	4125	3625	2800	1950	4025	3750	3350	2550
AVAILABILITY	4505	4811	4606	4928	4505	4576	4937	4718	5055	4576
SURPLUS (+) / SHORTAGE (-)	2455	411	481	1303	1705	2626	912	968	1705	2026
MAR 2020										
DEMAND	1950	4100	3700	3750	2600	2900	3825	3900	3750	3250
AVAILABILITY	4775	4890	4845	5142	4748	4969	5079	5034	5307	4960
SURPLUS (+) / SHORTAGE (-)	2825	790	1145	1392	2148	2069	1254	1134	1557	1710

BRPL

MONTH	1st Fortnight					2nd fortnight				
OCT 2019										
	00-05	05-12	12-18	18-22	22-24	00-05	05-12	12-18	18-22	22-24
DEMAND	1905	1966	2011	1955	1945	1304	1692	1714	1763	1427
AVAILABILITY	2074	2064	2049	2221	2071	1974	2011	1996	2247	1971
SURPLUS (+) / SHORTAGE (-)	168	98	38	266	126	670	319	281	484	544
NOV 2019										
DEMAND	1024	1548	1538	1580	1213	860	1517	1408	1413	1020
AVAILABILITY	1530	1787	1647	1913	1530	1480	1724	1591	1849	1480
SURPLUS (+) / SHORTAGE (-)	505	239	109	333	317	620	206	183	436	459
DEC 2019										
DEMAND	794	1632	1479	1413	1048	887	1864	1733	1510	1141
AVAILABILITY	1548	1688	1588	1808	1548	1769	1890	1790	1999	1769
SURPLUS (+) / SHORTAGE (-)	754	56	110	395	499	882	26	57	489	628
JAN 2020										
DEMAND	887	1896	1734	1527	1221	887	1822	1692	1544	1243
AVAILABILITY	1823	1908	1812	2014	1823	1814	1881	1782	2011	1814
SURPLUS (+) / SHORTAGE (-)	936	12	78	487	602	926	59	90	467	570
FEB 2020										
DEMAND	844	1826	1712	1505	1160	805	1676	1559	1391	1060
AVAILABILITY	1743	1856	1744	1993	1743	1755	1911	1794	2049	1755
SURPLUS (+) / SHORTAGE (-)	899	30	33	488	582	950	236	235	657	696
MAR 2020										
DEMAND	805	1708	1536	1566	1082	1219	1572	1599	1550	1364
AVAILABILITY	1850	1876	1861	2077	1829	1952	1973	1958	2150	1949
SURPLUS (+) / SHORTAGE (-)	1045	167	324	511	747	733	400	359	600	585

BYPL

MONTH	1st Fortnight					2nd fortnight				
OCT 2019										
	00-05	05-12	12-18	18-22	22-24	00-05	05-12	12-18	18-22	22-24
DEMAND	1102	1137	1163	1131	1125	754	978	991	1020	826
AVAILABILITY	1236	1277	1262	1299	1233	1235	1276	1261	1296	1232
SURPLUS (+) / SHORTAGE (-)	134	140	99	168	108	481	297	269	277	406
NOV 2019										
DEMAND	592	895	889	914	702	497	878	814	817	590
AVAILABILITY	1010	1125	1067	1115	1010	949	1056	1003	1046	949
SURPLUS (+) / SHORTAGE (-)	417	230	178	201	308	452	179	188	229	359
DEC 2019										
DEMAND	459	944	855	817	606	513	1078	1002	874	660
AVAILABILITY	990	1066	1031	1056	990	1030	1106	1071	1096	1030
SURPLUS (+) / SHORTAGE (-)	531	122	176	239	384	517	28	69	222	370
JAN 2020										
DEMAND	513	1097	1003	883	706	513	1054	978	893	719
AVAILABILITY	1036	1121	1072	1116	1036	1023	1111	1060	1106	1023
SURPLUS (+) / SHORTAGE (-)	523	24	69	232	330	510	57	82	213	304
FEB 2020										
DEMAND	488	1056	990	870	671	466	969	901	805	613
AVAILABILITY	1007	1092	1052	1082	1007	1065	1156	1112	1146	1065
SURPLUS (+) / SHORTAGE (-)	519	36	62	212	336	600	187	211	341	452
MAR 2020										
DEMAND	466	988	888	906	626	705	909	925	896	789
AVAILABILITY	1107	1148	1133	1169	1104	1176	1217	1202	1239	1173
SURPLUS (+) / SHORTAGE (-)	641	160	245	264	478	471	308	278	342	384

TPDDL

MONTH	1st Fortnight					2nd fortnight				
OCT 2019										
	00-05	05-12	12-18	18-22	22-24	00-05	05-12	12-18	18-22	22-24
DEMAND	1331	1373	1405	1366	1359	911	1182	1197	1232	997
AVAILABILITY	1656	1705	1690	1736	1653	1668	1716	1701	1746	1665
SURPLUS (+) / SHORTAGE (-)	325	331	285	370	294	757	534	504	515	668
NOV 2019										
DEMAND	715	1081	1074	1104	847	601	1060	984	987	713
AVAILABILITY	1384	1520	1452	1532	1384	1380	1507	1445	1519	1381
SURPLUS (+) / SHORTAGE (-)	668	439	378	428	537	780	447	461	531	668
DEC 2019										
DEMAND	554	1140	1033	987	732	619	1302	1211	1055	797
AVAILABILITY	1555	1651	1604	1641	1555	1550	1645	1599	1635	1550
SURPLUS (+) / SHORTAGE (-)	1001	511	571	654	823	930	343	388	580	753
JAN 2020										
DEMAND	619	1324	1211	1067	853	620	1273	1182	1079	869
AVAILABILITY	1560	1645	1604	1660	1560	1560	1649	1606	1664	1560
SURPLUS (+) / SHORTAGE (-)	941	321	393	594	707	940	377	424	586	691
FEB 2020										
DEMAND	590	1276	1196	1051	811	562	1170	1089	972	740
AVAILABILITY	1544	1652	1598	1642	1544	1544	1659	1601	1649	1544
SURPLUS (+) / SHORTAGE (-)	955	376	403	591	734	982	489	513	677	804
MAR 2020										
DEMAND	563	1193	1073	1094	756	851	1098	1117	1083	953
AVAILABILITY	1607	1655	1640	1685	1604	1630	1678	1663	1708	1627
SURPLUS (+) / SHORTAGE (-)	1044	461	567	591	848	779	580	546	625	675

NDMC

MONTH	1st Fortnight					2nd fortnight				
OCT 2019										
	00-05	05-12	12-18	18-22	22-24	00-05	05-12	12-18	18-22	22-24
DEMAND	140	290	290	220	150	110	220	220	210	130
AVAILABILITY	228	228	228	228	228	228	228	228	228	228
SURPLUS (+) / SHORTAGE (-)	88	-62	-62	8	78	118	8	8	18	98
NOV 2019										
DEMAND	100	200	200	180	120	100	170	170	160	110
AVAILABILITY	193	193	193	193	193	193	193	193	193	193
SURPLUS (+) / SHORTAGE (-)	93	-7	-7	13	73	93	23	23	33	83
DEC 2019										
DEMAND	100	180	180	170	120	110	220	220	180	130
AVAILABILITY	193	193	193	193	193	193	193	193	193	193
SURPLUS (+) / SHORTAGE (-)	93	13	13	23	73	83	-27	-27	13	63
JAN 2020										
DEMAND	110	220	220	190	150	110	220	220	180	150
AVAILABILITY	193	193	193	193	193	193	193	193	193	193
SURPLUS (+) / SHORTAGE (-)	83	-27	-27	3	43	83	-27	-27	13	43
FEB 2020										
DEMAND	110	210	200	170	140	100	180	180	160	120
AVAILABILITY	193	193	193	193	193	193	193	193	193	193
SURPLUS (+) / SHORTAGE (-)	83	-17	-7	23	53	93	13	13	33	73
MAR 2020										
DEMAND	100	180	180	160	120	110	220	240	200	130
AVAILABILITY	193	193	193	193	193	193	193	193	193	193
SURPLUS (+) / SHORTAGE (-)	93	13	13	33	73	83	-27	-47	-7	63

MONTH	1st Fortnight					2nd fortnight				
OCT 2019										
	00-05	05-12	12-18	18-22	22-24	00-05	05-12	12-18	18-22	22-24
DEMAND	22	34	32	29	22	20	28	27	25	20
AVAILABILITY	18	18	18	18	18	18	18	18	18	18
SURPLUS (+) / SHORTAGE (-)	-4	-16	-14	-11	-4	-2	-10	-9	-7	-2
NOV 2019										
DEMAND	18	25	24	22	18	17	25	24	22	17
AVAILABILITY	18	18	18	18	18	18	18	18	18	18
SURPLUS (+) / SHORTAGE (-)	0	-7	-6	-4	0	1	-7	-6	-4	1
DEC 2019										
DEMAND	18	30	28	23	18	21	36	34	31	22
AVAILABILITY	18	18	18	18	18	18	18	18	18	18
SURPLUS (+) / SHORTAGE (-)	0	-12	-10	-5	0	-3	-18	-16	-13	-4
JAN 2020										
DEMAND	21	38	32	33	21	20	32	28	29	19
AVAILABILITY	18	18	18	18	18	18	18	18	18	18
SURPLUS (+) / SHORTAGE (-)	-3	-20	-14	-15	-3	-2	-14	-10	-11	-1
FEB 2020										
DEMAND	18	32	28	29	18	17	30	21	22	17
AVAILABILITY	18	18	18	18	18	18	18	18	18	18
SURPLUS (+) / SHORTAGE (-)	0	-14	-10	-11	0	1	-12	-3	-4	1
MAR 2020										
DEMAND	16	30	22	24	16	15	25	20	21	15
AVAILABILITY	18	18	18	18	18	18	18	18	18	18
SURPLUS (+) / SHORTAGE (-)	2	-12	-4	-6	2	3	-7	-2	-3	3

1. Availability from Un-allocated quota of Central Sector has been considered as NIL.
2. Availability from DVC has been considered as 375 MW only considering its past record.
3. Availability from Hydro stations has been considered as 0% during Night hours (00.00hrs. to 05.00hrs and 22.00-24.00hrs), 75% during Morning and Evening Peak Hours and 30% during rest of the period for November to February.
Availability from Hydro stations has been considered as 30% during Morning Hours (00.00hrs. to 05.00hrs and 22.00-24.00), 50% during Day time (05.00hrs. -18.00hrs), 75% during Evening Peak Hours (18.00-22.00hrs) during Oct and March
4. Allocation to Distribution Licensees from various sources has been revised in line with DERC order dated 27.03.2018.
5. Generation from Bawana CCGT has been considered as 400MW, GT-75Mw and Pragati 150MW during winter season.

GCC noted.

3.2 High Voltage Operation of the Grid during Winter nights.

- i) This issue is regular agenda of Delhi OCC and being continuously discussed in OCC meeting from Oct-17 onwards. OCC has taken various steps to sort out the problem of high voltage conditions and injection of reactive drawal during winter nights. In the OCC meeting, the following steps were deliberated:
- A. Switching off the capacitors at all the Substations of Delhi, but during winter season proper monitoring of the same is yet to be put in place.
 - B. Transformer taps optimization by DTL and DISCOM.
 - C. Monitoring of all 400/220kV ICTs and taking actions wherein VAR flows are observed from 220kV to 400kV side. In this respect reactive energy accounts could also be monitored.
 - D. Opening of lightly loaded transmission cables/ transmission lines keeping reliability in focus.
 - E. Absorption of reactive power by generating units.

Opening of feeders at 220kV /66kV/33kV Level by SLDC .

The following 220kV feeders had been identified and opened during the last winter from period 20.00hrs. to 08.00 hrs as per real time status:-

Sr. No.	Name of Stn.	Name of Ckt.	Elements to be opened
1	Maharani Bagh	Trauma Centre	Single Ckt. at both ends
2	Trauma Centre	Ridge Valley	Single ckt. at both ends
3	Mundka	Peeragarhi	Both Ckts. at both ends
4	Peeragarhi	Wazirpur	Single ckt. at both ends
5	Shalimarbagh	Wazirpur	single ckt. at both ends
6	Pragati	Park street	Single ckt. at both ends
7	Maharani Bagh	Masjid moth	Single Ckt. at both ends
8		Electric Lane	Both Ckt. at both ends
9	Harsh Vihar	Preet Vihar	Both Ckt. at both ends
10	Preet Vihar	Patparganj	Both Ckt. at both ends
11	Patparganj	Gazipur	Single Ckt. at both ends

Following 66kV /33kV BYPL feeders were also opened during night hours 22.00hrs. to 06.00hrs, in last winter season.

Sr. No.	Name of Ckt.	Name of Stn.	Elements to be opened
PARK STREET			
1	33KV Faiz Road Ckt-2		Single Ckt. at both ends
2	33KVShankar Road Ckt-2		Single Ckt. at both ends
PATPARGANJ			
3	66KVPPG. G.H - 1 Ckt -2		Single Ckt. at both ends
4	66 KV Mayur Vihar-1 Ckt-2		Single Ckt. at both ends
5	66KV Khichripur Ckt-1		Single Ckt. at both ends
6	33KV Guru Angad Nagar-1		Single Ckt. at both ends
7	33KV Karkardom Ckt-1		Single Ckt. at both ends
WAZIRABAD			
8	66KV Shastri Park Ckt-1		Single Ckt. at both ends
9	66KV Shastri Park Ckt-3		Single Ckt. at both ends
10	66KV Shastri Park Ckt-4		Single Ckt. at both ends
11	66KV Sonia Vihar Ckt-2		Single Ckt. at both ends
GAZIPUR			
12	66KV Kondli Ckt-2		Single Ckt. at both ends
13	66kV Vivek Vihar Ckt-2		Single Ckt. at both ends
GEETA COLONY			
14	33KV Geeta Colony Ckt-2		Single Ckt. at both ends
15	33KV Kanti Nagar Ckt-2		Single Ckt. at both ends
16	33KV Shakarpur		Single Ckt. at both ends
17	33KVKailash Nagar Ckt-1		Single Ckt. at both ends
PREET VIHAR			
18	Guru Angad Nagar		Single Ckt. at both ends
19	CBD Shahadra		Single Ckt. at both ends

Following 66kV /33kV BRPL feeders were opened during night hours 22.00hrs. to 06.00hrs, in last winter season

S No	Feeder Name	Grid Name	Ckt no.-
1	220 OKHLA	Balaji	2
2	220 OKHLA	NHP	2
3	220 IP BAY 37	KILOKARI	-
4	220 IP BAY	NHRU STM BAY 24	-
5	220 PEERA GARHI	PASCHIM PURI	1
6	220 PPK-2	G-15 PPK	1
7	220 PPK-2	G-4 DWK	1
8	220 PPK-2	G-5 Matiala	1
9	220 PPK-3	G-4 DWK	1
10	220 PPK-3	G-7 DWK	-
11	220 PPK-1	G-6	1

BRPL, BYPL,TPDDL, DMRC and NDMC to take appropriate measures to reduce MVAR injection and submit the details to SLDC.

ii)

It is stated that Delhi has paid heavy amount to NRPC reactive pool account. Penalty amount has increased with the progress of winter despite taking all possible steps to reduce reactive power injection during high voltage period. The details of NRPC reactive account bill from 26 March 2018 to 31st March-2019 are as under:

Weeks No.	Weeks	Payable by Delhi (in Lakhs)	Receivable by Delhi (in Lakhs)
1	26th March to 01st April, 2018	23.38106	
2	02nd to 08th April, 2018	4.00526	
3	09th to 15th April, 2018		0.42442
4	16th to 22nd April, 2018	4.9357	
5	23rd to 29th April, 2018	4.27266	
6	30th April to 06th May, 2018	0.5019	
7	07th to 13th May, 2018	8.1305	
8	14th to 20th May, 2018	2.35494	
9	21 st to 27th May, 2018	0.94808	
10	28th May to 03rd June, 2018		0.7664
11	04th to 10th June, 2018		0.54549
12	11th to 17th June, 2018		0.62646
13	18th to 24th June, 2018		0.1326
14	25th June to 01 st July, 2018		0.95092
15	02nd to 08th July, 2018		1.36213
16	09th to 15th July, 2018		1.22088
17	16th to 22nd July, 2018		0.91089
18	23,rd to 29th July, 2018.		1.19315
19	30th July to 05th August, 2018.		2.10464
20	06th August to 12th August, 2018,		0.69601
21	13th to 19th August, 2018.		0.07342
22	20th to 26th August, 2018.		0.51055
23	27th August to 02nd September,2018	0.47138	
24	03rd to 09th September, 2018.	1.65998	
25	10th to 16th September, 2018.	1.38278	
26	17th to 23th September, 2018.		1.2998
27	24'h to 30th September, 2018		0.02028
28	01 st to 7th October, 2018		0.11568
29	08th to 14th October, 2018.		0.33282
30	15th to 21 st October, 2018.	5.1093	
31	22nd to 28th October, 2018.	10.22182	
32	29th October to 04th November	7.60634	
33	05th November to 11 November	44.88414	
34	12th to 18th November, 2018	28.6405	
35	19th to 25th November, 2018.	27.69186	
36	26th November to 02nd	12.3564	

	December,2018		
37	03rd to 09th December, 2018	19.96652	
38	10th to 16th December, 2018.	22.89784	
39	17th to 23rd December, 2018	11.95656	
40	24th to 30th December, 2018.	28.6545	
41	31 st December 2018 to 06thJanuary, 2019.	27.32492	
42	07th to 13th January, 2019.	21.40208	
43	14th to 20th January, 2019.	27.52274	
44	21 st to 2th January, 2019	34.74212	
45	28th January to 03rd February, 2019.	30.0699	
46	04th to 10th February, 2019	31.0709	
47	11th to 17th February, 2019.	34.82836	
48	18th to 24th February, 2019	36.92654	
49	25th February to 03rd March, 2019	43.63436	
50	4th March to 10th March, 2019	41.86812	
51	11th March to 17th March, 2019	42.97992	
52	18th March to 24th March, 2019	42.63392	
53	25th March to 31st March, 2019	24.69572	
	Total	609.11950	13.28654

In the previous meetings, all Stakeholders assured GCC that all efforts would be taken by them to minimize the injection of reactive power to the Grid especially during high voltage conditions. To control the high voltage issue, GCC had advised the following:-

i) Generators to absorb reactive power during high voltage regime as per their capability curve.

ii) DTL/Discoms for early commissioning of Reactors at various locations

In spite of all out efforts by SLDC, injection of reactive power could not be averted and Rs.6.09 Crores have been levied on Delhi due to injection of reactive power to the Grid during high voltage conditions during FY 2018-19. It was explained that as a long term measure to control high Voltage, Standing Committee of CEA in its 39th Meeting held 29-30th May 2017 has suggested Bus Reactors in Delhi at various locations in Delhi as under:

S. No.	Bus Name	Reactor proposed (in MVAR)
1	400kV Mundka	125
2	220kV Narela	25
3	220kV R.K.Puram	25
4	220kV Patparganj	2 x 25
5	220kV Maharani Bagh	2 x 25
6	220kV Bamnauli	25
7	220kV Subzi Mandi	2 x 25
8	220kV Gopalpur	2 x 25
9	220kV I.P.Stn.	2 x 25
10	220kV Geeta Colony	2 x 25
11	220kV Harsh Vihar	2 x 25
12	220kV Wazirabad	2 x 25
13	220kV Electric Lane	2 x 25
14	220kV Mandola	25
15	220kV AIIMS Trauma Centre	2 x 25
16	220kV Sarita Vihar	25
17	220kV Bawana	25
18	220kV Preet Vihar	25
19	220kV Mundka	25
20	220kV Masjid Moth	25
21	Maharani Bagh (PGCIL)	125
22	Mandola (PGCIL)	125

Based on the feasibility study conducted by DTL, the 40th Standing Committee Meeting held on 13.07.2018, DTL/PGCIL were advised to install reactors at the following locations.

S.No	Name of the Grid	Voltage level	Reactors proposed in MVAR	Remarks
1	Mundka	400kV	125	To be installed by DTL.
2	Bamnauli	220kV	2X25	
3	Indraprastha	220kV	2X25	
4	Harsh Vihar	220kV	2X50	
5	Electric Lane	220kV	1X50	
6	Mundka	220kV	25	
7	Peera Garhi	220kV	1X50	
8	Maharani Bagh (PG)	400kV	125	To be installed by Power Grid.
9	Mandola(PG)	400kV	125	
	Total	700		

Planning Department of DTL informed that the scheme for reactors is being devised and the status is as under :-

S.N.	Bus Name	Voltage Level (kV)	Reactor (MVAR)	Current status
1.	Mundka	400	125	DTL planning department intimated that except electric lane all are under tendering stage.
2.	Mundka	220	25	
3.	Harsh Vihar	220	2x50	
4.	Peeragarhi	220	1x50	
5.	Bamnauli	220	2x25	
6.	Indrapastha	220	2x25	
7.	Electric Lane	220	1x50	
8.	Maharani Bagh (PG)	400	125	
9.	Mandola (PG)	400	125	

Further, it was informed that DMRC which is also one of the prominent sources of injection of reactive power has also planned reactive power compensation in their system and would likely to be available by July/August 2020.

DMRC has raised the issue of installation of Summation CT at Jahangirpuri which was not agreed by TPDDL. TPDDL informed to give a land for reactor at SGTN Grid. It was advised by GCC that a separate meeting should be called by DMRC with TPDDL and SLDC to resolve the issue.

GCC advised all utilities to control the reactive power generation at their respective buses itself for overall effect on system. Further, DTL to expedite the work of installation of reactors as above.

3.3 LONG OUTAGE OF ELEMENTS OF DELHI POWER SYSTEM

The status of long outage of elements is as under:-

S. N	Name of the Element	outage		Utility	Remarks
		Date	Time		
1	VASANT KUNJ - 220/66kV 160MVA PR.TR.-III	26.04.2018	01:48	DTL	TRANSFORMER BURNT DUE TO FIRE. TO BE REPLACED. Expected to be replaced by 15.01.2020.
2	NARELA - 66kV CAPACITOR BANK	11.08.2018	18:18	DTL	66kV CAPACITOR BANK CELLS BLASTED AT 220kV NARELA. TO BE REPLACED. EXPECTED BY JAN 2019.
3	RPH STN. - 220/33kV 100MVA PR.TR.-I	03.09.2018	21:56	DTL	Charged
4	OKHLA - 220/66kV 100MVA PR.TR.-I	27.09.2018	10:15	DTL	Charged
5	PATPARGANJ - 220/33kV 100MVA PR.TR.-I	10.01.2019		DTL	TR. DAMAGED. Expected to be replaced by 15.01.2020.
6	220/33kV 100MVA TR.-II AT RPH STN.	21.02.2019		DTL	Charged
7	Mundka-315 MVA ICT-II	29.09.2019	00:19	DTL	DUE TO FIRE, ICT BURNT
8	33kV BAY -3 (IP - KILOKRI)	22.02.2011	13:10	BRPL	Clearance FROM RAILWAYS FOR LAYING UNDER GROUND CABLE NEAR BHAIRO ROAD IS PENDING. The work is expected to be completed along with ITPO work.
9	66kV V.KUNJ INSTL.AREA-RIDGE VALLEY CKT.-I	26.03.2017	10:45	BRPL	Charged
10	33kV ALAKNANDA - OKHLA CKT.-I	19.04.2018	15:05	BRPL	Charged
11	33kV RIDGE VALLEY - KHEBAR LANE CKT.-II	13.01.2016	00:47	BRPL	R' PH. SINGLE CABLE FAULTY. MES to clarify, however no Member of MES was present in the meeting.
12	33kV BUS COUPLER AT TUGLAKABAD	05.12.2018		BRPL	Charged
13	33kV BUS COUPLER AT SARAI JULIENA	02.01.2019		BRPL	Charged
14	220kV PARK STREET - 66kV RIDGE VALLEY CKT.	18.03.2019		BRPL	'Y' PH. SINGLE CABLE FAULTY
15	220kV R.K. PURAM - 33kV BHICAJICAMA PLACE CKT.	19.03.2019		BRPL	Charged
16	400kV MUNDKA -66kV NANGLOI CKT.	03.02.2019		BRPL	Y Ph. Cable Faulty
17	66Kv NANGLOI-NANGLOI WATER WORKS CKT	17.05.2019	14:09	BRPL	Charged
18	33kV OKHLA (220Kv)- MASJID MOTH CKT COUPLER AT TUGLAKABAD	16.08.2019	8:10	BRPL	Charged
19	33Kv LODHI ROAD- EXHIBITION GR. CKT-II	03.10.2019	22:44	BRPL	Single Cable Faulty
20	33Kv PEERA GARHI- MUKHERJEE PARK CKT-II	08.10.2019	3:35	BRPL	Single Cable Faulty
21	220kV WAZIRABAD - 66kV GONDA CKT.-I	10.03.2019		BYPL	Charged
22	220kV GAZIPUR - 66kV PPG INDL AREA CKT.	19.03.2019		BYPL	Charged
23	33Kv PARSVNATH MALL- KAILASH NAGAR CKT	15.10.2019	23:06	BYPL	R'PH. CABLE FAULTY
24	33Kv SHASTRI PARK(E)- SEELAMPUR CKT	31.08.2019	11:25	BYPL	'R' & 'B'PH. 2 ND CABLE FAULTY
25	33Kv BAY-42 (IP- CONNAUGHT PLACE	26.07.2019	05:20	NDMC	Charged

GCC noted the position and advised all utilities to keep their element in healthy position so that any eventualities can be managed properly in summer month.

3.4 **Updating the Scheduling procedure and State Grid Code (Agenda by SLDC):**

With reference to DERC letter no. F.No.3(551)/Traiff-Engg./DERC/2018-19/6195/ 2707 dt. 18/10/2018 wherein DERC directed to modify the Delhi Grid Code. Accordingly the Scheduling Procedure also needs to be modified.

In this regard it is suggested all the stakeholders to inform any modification/suggestions in previous State Grid Code / scheduling procedure available on website to SLDC Delhi. A draft of State Grid Code / scheduling procedure modified as per the latest regulations of CERC will be circulated shortly.

SLDC has circulated the draft amendments in state grid code and the modified scheduling procedure to all entities, comments on the same are awaited.

GCC advised to discuss the above issue by calling a separate meeting along with all stakeholder.

4.0 **NEW AGENDA**

4.1 **AGENDA BY BRPL**

(A) **Refund of Short Term Open Access Charges to Discoms**

1. BRPL has raised the issue of Short Term Open Access refund for FY 2018-19 & 2019-20 in 24th Commercial Sub-Committee Meeting. The matter was discussed in the meeting and it was decided that issue of refund will be taken up in next meeting based on treatment of STOA refund by Commission in tariff order.
2. Hon'ble Delhi Electricity Regulatory Commission in its order dated 31.07.2019 in Petition no 13/2019 has issued the Tariff order of Delhi Transco Ltd. for FY 2019-20. DERC in above mentioned Tariff order has not considered the income from short term open access under Non Tariff Income and also directed DTL to disburse the charges to Discoms on account of Short Term Open Access charges as per applicable Rules and Regulations. The relevant extract of the Tariff order is reproduced below:

"4.33 The Commission has not considered the income from short term Open access under Non Tariff Income. The Commission directs the Petitioner to disburse the charges to DISCOMs on account of short term open access charges as per applicable rules and regulations."

3. Now as the treatment of STOA charges is clear in the DERC Tariff order dated 31.07.2019, DTL is required to refund the STOA charges for FY 2019-20 & 2018-19.
4. In this regard BRPL has also written to DTL vide its letter no HOD(PMG)/BRPL/2019-20/167 on 03.09.2019 but no STOA refund has been credited to Delhi Discoms.

GCC advised BRPL to discuss the above issue in Commercial Sub-Committee.

(B) Refund of NRLDC Charges for 2009-14 due to truing up :

1. The issue of refund of NRLDC charges by Delhi SLDC to Delhi Discoms has been discussed in 20th and 21st GCC meeting in Nov-18 & April – 19 respectably and GCC advised Delhi SLDC to reconcile the complete statement and refund the amount due to the beneficiaries/utility at the earliest.
2. It is submitted that it is been more than 11 months, when committee advised SLDC to refund the NRLDC charges to Delhi Discoms, but no refund has been initiated by Delhi SLDC till date.
3. Delhi SLDC has to refund Rs 3.7 Crs to Delhi Discoms for 2009-14 periods and also the carrying cost.

Same as per 2.3.4

4.2 AGENDA BY TPDDL

During low load period, very high voltage has been observed at DTL grids, namely 220kV Narela, 220 kV DSIDC Bawana, 400 kV Bawana, 220 kV Gopalpur, 220 kV Shalimar Bhag etc. This issue is persistent in the early hours of winter months. Tata Power DDL requests to share the action plan of DTL to mitigate the issue in a time bound manner. It is worthwhile to mention that it is an recurring issue and leads to financial implications for DISCOMs in the form of reactive power penalty.

Same as per 3.2

5 HOSTING OF NEXT MEETING OF GCC

As per roster next meeting of GCC is to be hosted by BYPL. The same was agreed by BYPL.

List of Participants Attended the 22nd meeting of the Grid Coordination Committee (GCC) held on 24.10.2019 at 10.00hrs at Ashoka Hall, Manekshaw Centre, Parde Ground, Delhi Cantt, New Delhi-110010.

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