



दिल्ली ट्रांसको लिमिटेड DELHI TRANSCO LIMITED

पंजीकृत कार्यालय : शक्ति सदन, कोटला रोड, न्यू दिल्ली-110002

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

Office of General Manager (SLDC)

एस एल डी सी बिल्डिंग, मंटो रोड, न्यू दिल्ली-110002

SLDC Building, Minto Road, New Delhi-110002

Ph: 23221091 FAX No.23221069

No. F./DTL/207/16-17/GM(SLDC)/F.3/95

Dated : 02.11.2016

Subject : Minutes of the Meeting regarding scheduling of power during the period November 2016 to March 2017

Sir,

The Minutes of the meeting held in the Conference Hall of SLDC on 14.10.2016 at 03.00PM to discuss the scheduling of power during the period November 2016 to March 2017 is enclosed for ready reference and further necessary action please.

Thanking you,

Yours faithfully

Encl. as above

(V. VENUGOPAL)
General Manager (SLDC)

To

As per list of the participants through email.

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. 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. M.D., IPGCL / PPCL, Himadri, Rajghat Power House, New Delhi-110002
8. Director (Tech), IPGCL / PPCL
9. Director (Finance) DTL
10. Executive Director (T), DTL
11. General Manager, NRLDC
12. General Manager, Badarpur Thermal Power Station
13. General Manager (Commercial), NTPC, NCR Headquarters, R&D Building, A&A, Setor-24, Noida-201301. Fax no. 0120-2410192
14. G.M. (Dadri), National Capital Power Project, Dadri Dhaulana Road, Distt. Gautam Buddh Nagar, UP-201008
15. G.M. (Dadri Thermal) Stage-II, National Capital Power Project, Dadri Dhaulana Road, Distt Gautam Buddh Nagar, UP-201008
16. G.M. Dadri (Gas Power Project), Dhaulana Road, Distt Gautam Buddh Nagar, UP-201008
17. G.M. Auriya Gas Power Project (NTPC), Dibiyapur, Distt. Etawah, UP-206244

18. G.M. Anta Gas Power Project (NTPC), Distt. Baran, Rajasthan-325209
19. G.M. Indra Gandhi Super Thermal Power Project, VPO-Jharli, Tahsil Matanhail, Distt Jhajjar (Haryana)-124125
20. CEO, BRPL, BSES Bhawan, Nehru Place, New Delhi-110019
21. CEO, BYPL, Shakti Kiran Building, Karkardooma, New Delhi-110092
22. CEO, TPDDL, 33kV Grid S/Stn, Hudson Lane, Kingsway Camp, Delhi-110009
23. Chief Engineer (Electrical)-I, NDMC
24. Chief Engineer, Delhi Zone,(CEDZ), MES, Delhi Cantt, New Delhi-110010
25. Addl. Secretary (Power), Govt. of NCT of Delhi, Delhi Secretariat, New Delhi.
26. Dy.G.M.(System Operation), SLDC
27. Dy. G.M. (SCADA), SLDC
28. Manager (System Operation)-Shift, SLDC
29. Manager (Energy Accounting), SLDC



DELHI TRANSCO LTD.

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

[Office of Deputy General Manager (System Operation)]

SLDC Building, Minto Road, New Delhi 6 110 002

Phone No.23221175, Fax 23221012, 23221059

Subject : Summary of record of discussions held in the Meeting regarding scheduling of power during the period Nov. 2016 to March 2017

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

A meeting was held in the Conference Hall of SLDC on 14.10.2016 at 3:00 PM to discuss the Scheduling of Power from sources during the period November 2016 to March 2017. The Meeting was chaired by Director (Operations) DTL.

The following is the gist of the discussions and decisions of the meeting :-

- 1 It was informed that based on the recommendation of Delhi Power Procurement Group (DPPG), Honøble Minister of Power(Govt. of Delhi) had requested for surrendering the costly power from various sources during the month of July 2015 on permanent basis as detailed hereunder:-

S. N.	Name of Gen. Stn	Gen Utility	Installed capacity in MW	Allocation to Delhi in MW	Proposal for surrender in MW	Fixed cost in Crores per year	Fixed cost in Rs/Unit	Variable cost in Rs./Unit	Total cost in Rs./Unit	Remarks
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)	(xi)
1	BTPS	NTPC	705.00	705.00	285.00	370.53	0.79	3.59	4.38	3 X 95 MW units is proposed for surrender.
2	AURIYA (G)	NTPC	663.36	72.00	72.00	240.54	0.50	3.01	3.51	DERC has not allowed the incremental cost of power purchase cost for 2012-13.
3	DADRI (G)	NTPC	829.78	91.00	91.00	309.76	0.51	2.71	3.22	
4	ANTA (G)	NTPC	419.00	44.00	44.00	198.53	0.66	2.48	3.14	
5	DADRI -II (TH)	NTPC	980.00	735.00	735.00	1060.31	1.57	3.04	4.61	2.72MW allocated to HVDC Kurekshetra S/stn w.e.f. 05.08.2016
6	ARAVALI JHAJJAR	NTPC	1500.00	693.00	693.00	1766.66	1.71	3.15	4.86	
7	KOLDAM	NTPC	800.00	87.00	87.00	1142.41			4.25	W.e.f 19.02. 16 entire allocation has been allocated to HP.
8	DULHASTI	NHPC	390.00	50.00	50.00	510.50	3.08	2.82	5.90	FC in Rs./Unit = Half of AFC / Annual design energy less auxiliary and free electricity to state
9	CHAMERA -III	NHPC	231.00	29.00	29.00	202.26	2.12	2.12	4.25	
10	PARBATI - III	NHPC	520.00	66.00	66.00	165.04	2.74	2.74	5.48	
11	TEHRI HEP	THDC	1000.00	63.00	63.00	729.12	3.00	3.00	6.00	
	TOTAL		8038.14	2635	2215					

- 2 However, despite of vigorous follow up by the State Government, as on date, only the power allocation from Koldam HEP of NTPC could be surrendered and got reallocated from 19.02.2016 to other states. Further, a miniscule allocation of 2.72MW from Dadri (Thermal) Stage-II for auxiliary consumption of HVDC Kurukshetra has also been done from 05.08.2016. As such, with this allocation, the total surpluses available with Delhi during Peak and off peak hours are as under:-

All figures in MW

Details	Peak Hours	Off Peak Hours
Generation within Delhi		
RPH	0	0
GT	75	75
Pragati	265	265
Bawana CCGT	250	250
BTPS	350	350
Total	940	940
Interstate Generating Stations	3400	2900
Long Term Open Access		
Maithon	285	285
CLP Jhajjar	120	120
DVC	350	350
Mejia-7	119	119
Total	874	874
Total Availability	5214	4714
Anticipated Demand	4400	2000
Surplus	814	2714

- 3 It was also intimated by the DISCOMs (BRPL, BYPL and TPDDL) that they have taken up all possible steps to get rid of the burden of costly power purchases to reduce the tariff impact on the consumers of Delhi. They have even petitioned the CERC for their help to terminate the Power Purchase Agreements (PPAs). CERC has concluded the hearing on the issue of maintainability of the petition on 08.02.2016. The extracts of Records of Proceedings (RoP) of the latest hearing held on 08.02.2016 are given hereunder:-

Record of Proceedings

At the outset, the learned counsel for the respondent, NTPC clarified that the issue of maintainability of these petitions as raised by the respondents is only with regard to the prayer / subject matter involved in these petitions and that the jurisdiction of the Central Commission over the central government generating companies in terms of Section 79(1)(a) of the 2003 Act has not been disputed. Accordingly, the learned Counsel made submissions on the maintainability of these petitions mainly as under:

- (i) The prayers of the petitioners in these petitions seeking advice to the Central Government or to issue necessary directions under the 2003 Act, are all general in nature and do not fall within the scope and ambit of adjudication of dispute under Section 79(1)(f) of the 2003 Act. Accordingly, these petitions are not maintainable.
- (ii) The advisory jurisdiction of the Central Commission under Section 79(2) of the 2003 Act cannot be invoked by way of quasi-judicial proceedings.

- (iii) The PPAs executed by the petitioners do not provide the option of termination by the petitioners and hence the petitioners cannot seek to opt out of the terms of the PPA (judgment of the Hon'ble Supreme Court dated 2.2.2016 in GUVNL v EMCO Ltd was referred to).
 - (iv) The agreement to procure power is a contractual document, subject to regulation of tariff by the Commission. Only matters involving the interpretation, scope and application of the terms and conditions of the PPA executed by the parties is required to be adjudicated under Section 79(1)(f). The petitioners in these petitions have sought the intervention of this Commission to rewrite the PPAs under the 2003 Act which is not permissible.
 - (v) The PPAs executed by the parties are to be in conformity with the Regulations notified by the Commission in exercise of the powers under Section 79 read with Section 178 of the 2003 Act. The terms and conditions in the long term PPAs executed by the parties are not in conflict with the Regulations notified by the Central Commission and hence the PPAs cannot be interfered with under Section 79 (1) and (2) of the 2003 Act.
 - (vi) The word 'shall' indicated in Section 79(2) is not with reference to issuance of directions, but the duty to aid and advise the Central Government, on policy issues in electricity sector. Hence, the prayer of the petitioners is not maintainable.
 - (vii) The prayers of the petitioners are contrary to the terms of the PPA as the rights and obligations of the parties has been crystallised under the PPA. The petitioners cannot be permitted to seek unilateral termination of the contract on the ground that the contract has become onerous.
 - (viii) The scheme with regard to surrender of part of allocated firm share, reallocation, has been laid down in Note-2 under Regulation 42 of the 2014 Tariff Regulations notified by the Central Commission. ROP in Petition Nos. 223/182/301/302/MP/2015 Page 3 of 3
 - (ix) Permission may be granted to file written submissions with copies of relevant judgments in the matter.
2. In rejoinder to the above, the learned counsel for the petitioner (BRPL & BYPL) mainly submitted as under:
- (i) It is not the case of the petitioner that the contract has become onerous or that it has become difficult to perform. The obligation under the PPA cannot be continued by the petitioners on account of the order of the State Commission (DERC) disallowing the cost for procurement of power from Anta, Auraiya and Dadri stations of NTPC for the previous year.
 - (ii) Section 86(1)(b) of the 2003 Act provides for approval of agreements by the State Commission for procurement of power by the distribution licensees. However, in terms of Rule 8 of the Electricity Rules, 2005, the State Commission has the power to determine whether a Distribution Licensee in the State should enter into Power Purchase Agreement or procurement process with such generating companies based on the tariff determined by the Central Commission (Judgment of APTEL in BSES v NTPC & ors in Appeal No.94/2012 was referred to).
 - (iii) The APTEL in its judgment dated 26.5.2006 in Siel Ltd v PSERC & ors has held that the Commission is not powerless to issue orders and

directions relating to matters having a bearing on and nexus with the determination and fixation of tariff and its directions shall be binding on all persons and authorities including the State Government. Accordingly, the petitioners have prayed for issuance of directions to the Central Government in this matter.

- (iv) In terms of Section 46 of the Indian Contract Act, 1872, the non-commissioning of the projects within a reasonable time of the execution of the PPAs, amounts to breach of obligations by the respondent, NTPC.
 - (v) The prayer of the petitioner seeking directions on Central Government for re-allocation is not to be construed as a pre-condition for termination of the PPAs by the petitioners.
 - (vi) In respect of Badarpur TPS of NTPC, the Delhi Pollution Control Committee have issued orders directing the closure of some of the units. Thus, there cannot be a legally enforceable contract in case of orders/directions if any, of a superior legal authority.
 - (vii) Permission may be granted to the petitioners to file its written submissions along with relevant documents/judgments.
3. The learned counsel for the petitioner, TPDDL also prayed for grant of time to file its written submissions.
 4. Shri Gaurav Nand, Consultant for some of the HT consumers of Delhi submitted that the petitioners may be directed to serve copy of the petition and also prayed for grant of time to file its comments/response in the matter. The Commission accepted the prayer and directed the learned counsel for the petitioners to handover copies of the petition to the consultant, if not already done.
 5. The Commission further directed the parties to file its written submissions with relevant documents, on or before 29.2.2016. Subject to this, order on maintainability of the petitions is reserved.

The orders are not yet issued. If the Commission concludes the petitions are maintainable before it, the matter would further be heard on merits for further direction on termination of the PPAs.

- 4 They further intimated that MOP, Govt. of India have recently issued the guidelines for short term, medium term and long term Power purchase by DISCOMs. Based on the guidelines, the DISCOMs should sell and buy power only through e-auction through the E-Bidding Portal of MSTCL. As such the average power purchase cost during off peak hours is below Rs.2/unit and during peak hours is around Rs 3.00 Rs./unit at the State periphery of the purchasing utility which are much below the cost of power proposed to be surrendered by as evident from above table.
- 5 DERC in the matter of `Power Purchase Cost Adjustment Charges (PPAC) (issued on 12.06.2015) has even disallowed incremental cost due to the power purchase from NTPC Gas Stations namely Anta Auriya and Dadri Gas on the ground of non permission of DERC for the renewal of PPAs of these stations from 1st April 2012. Though, they have appealed in APTEL against this order, APTEL did not intervene the decision of DERC. The judgement of the above decision of APTEL has also been challenged before Supreme Court.

- 6 After the direction of DERC, even though the DISCOMs are not scheduling any power from these stations, NRLDC is scheduling as per the minimum technical limits of these stations. The details of such schedules from these stations from April 2016 are as under:

Month	Energy scheduled by NRLDC to Delhi(In MUs)		
	Anta Gas	Auriya Gas	Dadri Gas
April 2016	0.328	5.203	10.440
May 2016	5.155	5.124	16.243
June 2016	2.330	3.427	11.827
July 2016	0.862	6.377	12.128
August 2016	8.676	9.036	10.993
September 2016	11.76	2.7	9.46
Total upto September 2016	29.111	31.867	71.091

- 7 It was also brought out that during this financial year, so far the power demand has shown a phenomenal increase. The average rise in power demand upto 15th October 2016 corresponding to the previous year is 7% (as detailed below). As such the power purchase for the period November 2016 to March 2017, which considered as the lean period, should meticulously be planned and monitored.

S. No.	Month	Delhi Consumption(MU)			Peak Demand(MW)		
		2015	2016	% increase	2015	2016	% increase
1	April	2260.411	2612.594	15.58	4517	4797	6.20
2	May	3086.700	3278.924	6.23	5465	6188	13.23
3	June	3092.565	3490.409	12.86	5846	6260	7.08
4	July	3115.526	3306.948	6.14	5743	6261	9.02
5	August	3078.010	3207.237	4.20	5434	5707	5.02
6	September	3042.194	3101.054	1.93	5457	5301	-2.86
7	October upto 15 th	1341.929	1429.479	6.52	4481	5442	21.45
8	Total	19017.340	20426.65	7.41	5846 Max	6261 Max	7.10

- 8 To manage the 2000MW off peak demand and 4400MW peak demand during Winter to optimise the power purchase cost and to maintain stable operation of the grid meticulous scheduling of the power under merit order despatch scheduling principle is required to be followed.
- 9 It was informed that during 13th LGBR Meeting convened on 06.10.2016 in NRPC for mid - term review of generation plan of November 2016 to March 2017 and it was advised by NRPC to all SLDCs to plan the schedule for ISGS and intimate the same to NRPC and NTPC to plan the coal/gas allocation during the Winter months. Since the decision of reallocation of power from ISGS sources already pending with Ministry of Power, Govt. of India, considering the past experience, Delhi SLDC had suggested the scheduling of costly generating sources during the winter months as under:-

A) Generation within Delhi

- i) GTPS - 75MW(One Module)
- ii) Pragati-I - 145MW (One unit +1/2 STG)
- iii) CCGT Bawana - 250MW (Delhi Share)
- iv) BTPS - 210MW (One Unit)

B) ISGS(Central Sector)

- i) Datri (Th)-I - 210MW (One Unit)
- ii) Dadri(Th)-II - 490MW (one Unit)
- iii) Jhajhar (IGSTPS) - Nil

10 SLDC also presented the overall power supply position considering the above proposal as under:-

All figures in MW

Delhi as a whole

MONTH	1st Fortnight					2nd fortnight				
	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
OCTOBER 2016										
DEMAND	4400	4600	4500	4550		4000	4400	4500	4100	
AVAILABILITY	4683	4806	4860	4806		4521	4644	4698	4644	
SURPLUS (+) / SHORTAGE (-)	283	206	360	256		521	244	198	544	
NOVEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	2500	3450	3600	3600	2800	2350	3300	3400	3400	2500
AVAILABILITY	3429	3746	3469	3791	3429	3429	3746	3469	3791	3429
SURPLUS (+) / SHORTAGE (-)	929	296	-131	191	629	1079	446	69	391	929
DECEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	2500	3550	3300	3250	2500	2500	4100	3350	3400	2600
AVAILABILITY	3412	3879	3452	3874	3412	3412	4024	3452	3874	3412
SURPLUS (+) / SHORTAGE (-)	912	329	152	624	912	912	-76	102	474	812
JANUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	2300	4000	3750	3300	2600	2600	4300	4000	3600	2900
AVAILABILITY	3439	4051	3479	3901	3439	3439	4051	3479	3901	3439
SURPLUS (+) / SHORTAGE (-)	1139	51	-271	601	839	839	-249	-521	301	539
FEBRUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	2600	4000	3550	3400	2700	2500	3800	3800	3250	2500
AVAILABILITY	3429	3996	3469	3891	3429	3429	3896	3469	3891	3432
SURPLUS (+) / SHORTAGE (-)	829	-4	-81	491	729	929	96	-331	641	932
MARCH 2017	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
DEMAND	3450	3600	3400	2750		3500	3600	3700	3250	
AVAILABILITY	3627	3750	3904	3750		3627	3750	3904	3750	
SURPLUS (+) / SHORTAGE (-)	177	150	504	1000		127	150	204	500	

BRPL

ALL FIGURES IN MW

MONTH	1st Fortnight					2nd fortnight				
	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
OCTOBER 2016										
DEMAND	1812	1875	1864	1902		1640	1801	1864	1717	
AVAILABILITY	1646	1733	1843	1733		1567	1655	1764	1655	
SURPLUS (+) / SHORTAGE (-)	-166	-142	-21	-168		-73	-146	-100	-63	
NOVEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	1041	1412	1476	1487	1159	975	1351	1392	1399	1028
AVAILABILITY	1068	1251	1054	1396	1068	1068	1251	1054	1396	1068
SURPLUS (+) / SHORTAGE (-)	27	-161	-422	-90	-92	93	-99	-338	-3	40
DECEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	1039	1454	1353	1335	1030	1034	1682	1357	1397	1069
AVAILABILITY	1043	1226	1029	1371	1043	1043	1226	1029	1371	1043
SURPLUS (+) / SHORTAGE (-)	4	-227	-324	36	13	8	-456	-328	-25	-27
JANUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	933	1660	1520	1335	1047	1065	1763	1640	1476	1184
AVAILABILITY	1070	1253	1056	1398	1070	1070	1253	1056	1398	1070
SURPLUS (+) / SHORTAGE (-)	136	-407	-463	63	22	5	-510	-584	-77	-114
FEBRUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	1076	1649	1454	1399	1102	1032	1575	1572	1337	1019
AVAILABILITY	1070	1253	1056	1398	1070	1070	1253	1056	1398	1073
SURPLUS (+) / SHORTAGE (-)	-6	-396	-398	-1	-33	38	-321	-516	61	54
MARCH 2017	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
DEMAND	1421	1458	1392	1120		1434	1449	1522	1331	
AVAILABILITY	1204	1292	1401	1292		1204	1292	1401	1292	
SURPLUS (+) / SHORTAGE (-)	-217	-166	9	172		-230	-158	-120	-39	

BYPL

ALL FIGURES IN MW

MONTH	1st Fortnight					2nd fortnight				
	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
OCTOBER 2016										
DEMAND	1048	1085	1078	1100		949	1041	1078	993	
AVAILABILITY	1083	1091	1100	1091		1068	1075	1085	1075	
SURPLUS (+) / SHORTAGE (-)	35	6	22	-9		119	34	7	82	

MONTH	1st Fortnight					2nd fortnight				
NOVEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	602	817	853	860	671	564	781	805	809	594
AVAILABILITY	944	973	956	973	944	944	973	956	973	944
SURPLUS (+) / SHORTAGE (-)	342	156	102	113	274	380	192	150	164	350
DECEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	601	841	782	772	596	598	973	785	808	618
AVAILABILITY	944	973	956	973	944	944	1118	956	973	944
SURPLUS (+) / SHORTAGE (-)	343	132	173	201	348	346	145	171	165	326
JANUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	540	960	879	772	606	616	1020	949	853	685
AVAILABILITY	944	1118	956	973	944	944	1118	956	973	944
SURPLUS (+) / SHORTAGE (-)	404	158	77	201	338	328	98	7	119	260
FEBRUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	622	954	841	809	638	597	911	909	773	589
AVAILABILITY	934	1063	946	963	934	934	963	946	963	934
SURPLUS (+) / SHORTAGE (-)	312	109	105	154	297	337	52	36	189	345
MARCH 2017	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
DEMAND	822	843	805	648		829	838	880	770	
AVAILABILITY	956	963	973	963		956	963	973	963	
SURPLUS (+) / SHORTAGE (-)	134	120	168	315		126	125	93	194	

TPDDL

ALL FIGURES IN MW

MONTH	1st Fortnight					2nd fortnight				
OCTOBER 2016	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
DEMAND	1266	1310	1302	1328		1146	1258	1302	1200	
AVAILABILITY	1714	1741	1676	1741		1673	1700	1635	1700	
SURPLUS (+) / SHORTAGE (-)	448	431	374	413		527	443	333	501	
NOVEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	727	986	1031	1039	810	681	943	973	977	718
AVAILABILITY	1258	1363	1300	1263	1258	1258	1363	1300	1263	1258
SURPLUS (+) / SHORTAGE (-)	531	377	269	225	448	577	420	328	286	540

MONTH	1st Fortnight					2nd fortnight				
DECEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	726	1016	945	933	719	723	1175	948	976	747
AVAILABILITY	1266	1521	1308	1371	1266	1266	1521	1308	1371	1266
SURPLUS (+) / SHORTAGE (-)	541	506	363	438	547	544	346	360	395	519
JANUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	652	1160	1062	933	732	744	1232	1146	1031	827
AVAILABILITY	1266	1521	1308	1371	1266	1266	1521	1308	1371	1266
SURPLUS (+) / SHORTAGE (-)	614	361	247	438	535	522	289	162	340	440
FEBRUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	752	1152	1016	977	770	721	1100	1098	934	712
AVAILABILITY	1266	1521	1308	1371	1266	1266	1521	1308	1371	1266
SURPLUS (+) / SHORTAGE (-)	515	369	293	394	496	545	421	210	437	555
MARCH 2017	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
DEMAND	992	1019	973	782		1002	1012	1063	930	
AVAILABILITY	1308	1336	1371	1336		1308	1336	1371	1336	
SURPLUS (+) / SHORTAGE (-)	316	318	398	554		307	324	308	407	

NDMC

ALL FIGURES IN MW

MONTH	1st Fortnight					2nd fortnight				
OCTOBER 2016	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
DEMAND	240	290	215	180		230	260	220	150	
AVAILABILITY	212	212	212	212		185	185	185	185	
SURPLUS (+) / SHORTAGE (-)	-28	-78	-3	32		-45	-75	-35	35	
NOVEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	100	200	200	180	120	100	190	190	180	120
AVAILABILITY	131	131	131	131	131	131	131	131	131	131
SURPLUS (+) / SHORTAGE (-)	31	-69	-69	-49	11	31	-59	-59	-49	11
DECEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	100	200	180	170	120	110	230	220	180	130
AVAILABILITY	131	131	131	131	131	131	131	131	131	131
SURPLUS (+) / SHORTAGE (-)	31	-69	-49	-39	11	21	-99	-89	-49	1

MONTH	1st Fortnight					2nd fortnight				
JANUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	140	180	250	220	180	140	240	230	200	170
AVAILABILITY	131	131	131	131	131	131	131	131	131	131
SURPLUS (+) / SHORTAGE (-)	-9	-49	-119	-89	-49	-9	-109	-99	-69	-39
FEBRUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	120	210	200	180	150	120	180	180	170	140
AVAILABILITY	131	131	131	131	131	131	131	131	131	131
SURPLUS (+) / SHORTAGE (-)	11	-79	-69	-49	-19	11	-49	-49	-39	-9
MARCH 2017	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
DEMAND	180	240	190	160		200	260	200	180	
AVAILABILITY	131	131	131	131		131	131	131	131	
SURPLUS (+) / SHORTAGE (-)	-49	-109	-59	-29		-69	-129	-69	-49	

MES

ALL FIGURES IN MW

MONTH	1st Fortnight					2nd fortnight				
OCTOBER 2016	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
DEMAND	35	40	40	40		35	40	35	40	
AVAILABILITY	28	28	28	28		28	28	28	28	
SURPLUS (+) / SHORTAGE (-)	-7	-12	-12	-12		-7	-12	-7	-12	
NOVEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	30	35	40	35	40	30	35	40	35	40
AVAILABILITY	28	28	28	28	28	28	28	28	28	28
SURPLUS (+) / SHORTAGE (-)	-2	-7	-12	-7	-12	-2	-7	-12	-7	-12
DECEMBER 2016	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	35	40	40	40	35	35	40	40	40	35
AVAILABILITY	28	28	28	28	28	28	28	28	28	28
SURPLUS (+) / SHORTAGE (-)	-7	-12	-12	-12	-7	-7	-12	-12	-12	-7
JANUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	35	40	40	40	35	35	45	35	40	35
AVAILABILITY	28	28	28	28	28	28	28	28	28	28
SURPLUS (+) / SHORTAGE (-)	-7	-12	-12	-12	-7	-7	-17	-7	-12	-7

MONTH	1st Fortnight					2nd fortnight				
FEBRUARY 2017	00-06	06-12	12-18	18-22	22-24	00-06	06-12	12-18	18-22	22-24
DEMAND	30	35	40	35	40	30	35	40	35	40
AVAILABILITY	28	28	28	28	28	28	28	28	28	28
SURPLUS (+) / SHORTAGE (-)	-2	-7	-12	-7	-12	-2	-7	-12	-7	-12
MARCH 2017	00-10	10-18	18-22	22-24		00-10	10-18	18-22	22-24	
DEMAND	35	40	40	40		35	40	35	40	
AVAILABILITY	28	28	28	28		28	28	28	28	
SURPLUS (+) / SHORTAGE (-)	-7	-12	-12	-12		-7	-12	-7	-12	

- 11 Considering the overall power supply position, BRPL was of the view that they cannot arrange huge shortages from Power Exchanges or other means due to liquidity issues and requested for running atleast 2 units of Dadri Thermal Stage unit I for the entire period of winter. However, the BRPL representative was of the view that scheduling will be done on Real Time basis according to the requirement. The other distribution companies strongly objected for the scheduling as per requirement. It was firmly informed that in case BRPL intends to schedule power from 2nd unit, the technical minimum requirement of both the units should be requisitioned on round the clock basis so that power from such costly generation is not booked to them to maintain the technical minimum requirement to avoid huge under drawal particularly during off peak hours and uneconomical loss to the consumers of their licensed area. The other DISCOMs advised BRPL to avail power through Inter DISCOM Transfer(IDT) if it faces shortage. **After deliberations, the consensus was reached to run the additional unit of Dadri Stage I for the period 25.12.2016 to 10.02.2017 to meet the requirement of BRPL, if the situation warrants. The scheduling plan of other units as suggested by SLDC should be strictly maintained. It was also decided that the other sources should also be back down depending upon drawal position on real time basis to control under drawal by each utility.**
- 12 All Distribution Companies requested for not to use RLNG for additional generation more than that suggested above, however agreed for minimum use of RLNG to ensure to run the machine as per the minimum technical requirement to ensure the generation mentioned above.
- 13 All Distribution Companies requested for optimum schedule of BTPS generation. As Merit Order Despatch, none of the Distribution utilities require power from BTPS. However, these units are being scheduled due to transmission constraints to feed areas fed from BTPS. It was clarified that till 400KV Tuglakabad ISTS is commissioned, during summer months i.e. April-Oct, the generation of 2 units of 210MW capacity at BTPS are required to be maintained. For the rest of the period one 210 MW unit should be operative to maintain reliable power supply in Delhi.
- 14 All Distribution utilities requested the Generating utilities that other units which are not planned for maintenance should be available for generation in case of emergencies.

- 15 With regard to Bawana CCGT, PPCL representative informed that combined generation will take 4 hours in case of hot condition and in case of cold start 8 hours required to pick up additional generation on combined cycle mode. With regard to RLNG use, it was clarified that with the generation plan suggested, the use of RLNG may not be required.
- 16 Concluding the discussions, it was decided to follow the scheduling for generation for the period November 2016 to March 2017 as under:-

A) Generation within Delhi

- i) **GTPS** - 75MW(One Module)
- ii) **Pragati-I** - 145MW (One unit +1/2 STG)
- iii) **CCGT Bawana** - 250MW (Delhi Share)
- iv) **BTPS** - 210MW (One Unit)

B) ISGS(Central Sector)

- i) **Dadri (Th)-I** - 210MW (One Unit) for the period 01.11.2016 to 24.12.2016 and 11.02.2017 to 31.03.2017 and 2 units for 25.12.2016 to 10.02.2017 if conditions warrant
- ii) **Dadri(Th)-II** - 490MW (one Unit)
- iii) **Jhajhar (IGSTPS)** - Nil

- 17 SLDC presented the details of the over drawal during peak hours to the tune of 200MW and under drawal during morning hours to the tune of about 500MW by Delhi during the last winter months which is the violation of the Grid Code apart from affecting the stability of the Grid. All utilities were advised to avert such type drawal position and do proper scheduling for the sake of the stable operation of the Grid. SLDC was also advised to exercise supervision and control of real time operation as mandated by the law to avert such variation of drawal from the Grid.

The details of drawal and violation during the period October 2015 to March 2016 as presented by SLDC are as under:-

Month	Peak met (In MW)	OD(+)/UD(-) (In MW) at the time of peak demand met	OD(+)/UD(-) (In MW) at the time of off peak at 03.00HRS.	Maximum under drawal in MW	Energy consumption in MUs
Nov-15	3512 on 03.11.15	90	163	405 at 06.00HRS.	1803.85
Dec-15	3944 on 25.12.15	95	78	219 at 08.00HRS.	1904.266
Jan-16	4125 on 22.01.16	116	-59	552 at 07.00HRS.	1968.633
Feb-16	3845 on 03.02.16	288	-72	174 at 18.00HRS.	1766.94
Mar-16	3498 on 30.03.16	95	63	313 at 14.00HRS.	1930.605

Month	Generation				Delhi Generation (In MW)			
	Dadri (TH)-I		Dadri (TH)-II		G.T.	Pragati	Bawana	BTPS
	MUS	Average MW	MUS	Average MW				
Nov-15	85.8	120 (2Units)	192.2	267 (1Unit)	38	152	273	165
Dec-15	190.9	257 (2Units)	220.8	297 (1Unit)	36	143	253	162
Jan-16	354.9	477 (3Units)	346.1	465 (2Units)	37	138	252	189
Feb-16	345.2	496 (3Units)	393.3	565 (2Units)	42	141	252	184
Mar-16	228.1	306 (2Units)	366.9	495 (2Units)	39	0	250	161

MONTH	VIOLATIONS OF DRAWAL LIMIT 150MW IF FREQUENCY IS \times 49.7Hz AND ABOVE.		NON POLARITY CHANGE OF DRAWAL
	OD	UD	
Oct-15	9	10	124
Nov-15	7	3	104
Dec-15	4	4	64
Jan-16	3	10	110
Feb-16	9	4	100
Mar-16	10	1	100

- 18 **All the utilities were advised to adhere the grid discipline to maintain the stable and secure operation. Utilities were advised to arrange power to meet the shortages, that generally occur in shorter duration of winter months from power exchanges and other sources which would be the most economical than to run the costly generation on round the clock basis. It was also advised to explore all possibilities to dispose off huge surplus power during off peak hours through banking and other means so that under drawal during off peak hours is restricted to minimum level as per grid code and other relevant standards to ensure stable operation of the grid.**

Allocation of power to MES

- 19 MES representative raised the issue of additional allocation of power from additional source to them. They informed that DERC vide their letter dated 21.07.2016 has revised allocation without hearing them from Pragati Stage-I as follows:

S.No.	DISCOM	Existing allocation (MW)	Revised allocation(MW)	%age share
1	BRPL	102.23	93.34	28.28
2	BYPL	58.10	53.05	16.07
3	TPDDL	69.67	63.61	19.28
4	NDMC	100	100	30.30
5	MES	0	20	6.06
	Total	330	330	100

SLDC implemented the order from 1st September 2016 after the clarification issued by DERC. MES informed that additional allocation of 20MW power has resulted the total allocation of 95MW i.e. 50MW from BTPS, 25MW from Bawana CCGT and 20MW from Pragati against the requirement of 40MW during peak and 25MW during off peak. They informed that due to additional allocation of power, SLDC is scheduling 37MW to 42MW against the requirement of 17MW to 28MW. They requested 20MW allocation be withdrawn from already allocated power of 75MW (50MW from BTPS and 25MW power from CCGT Bawana) in view of additional allocation of power from Pragati. **It was advised to them that SLDC has no authority to change the allocation. They should approach DERC for redressal of their grievance.**

20 The Meeting ended with vote of thanks to Chair.

ANNEXURE

List of the participants attended the meeting held on 14.10.2016 at Delhi SLDC to discuss the scheduling of power during winter months.

S. N	Name	Designation	Utility	Mobile no.	Email
1	Sh. Prem Prakash	Dir(O)-in Chair	DTL	9999533630	premprakesh@yahoo.com
2	Sh. V. Venugopal	G.M.(SLDC)	SLDC	9871093903	venugopal.v1960@yahoo.co.in
3	Sh. Pradeep Katiyar	DGM(SCADA)	SLDC	9999533676	pradeepkatiyar03@yahoo.co.in
4	Sh. S.K. Sinha	Dy. GM(SO)	SLDC	9999533673	sinha.surendra@yahoo.com
5	Sh. Darshan Singh	Manager(SO)	SLDC	9999533837	darshansingh.dtl@gmail.com
6	Sh. Naveen Kumar	AM(T), SO	SLDC	9999533883	
7	Sh. Birendra Prasad	GM(T), C&RA	DTL	9999533663	bprasadgm.dtl@gmail.com
8	Sh. S. Sutradhar	DGM(D&E), Plg	DTL	9999533671	dgmplanning.dtl@gmail.com
9	Sh. R.K. Nagpal	GM(T), Comml	IPGCL/	9717698217	nagpalrk@gmail.com
10	Sh. Satyendra Prakash	AGM(T), COS	PPCL	9717694813	spmprakash@gmail.com
11	Sh. Koushik Mandal	AGM, BTPS	NTPC	9650993818	kaushikmandal@ntpc.co.in
12	Sh.Mukesh Dadhich	GM	BYPL	9350261451	mukesh.dadhich@relianceada.com
13	Sh. Nishant Grover	Sr. Manager	BYPL	9560599544	nishant.grover@relianceada.com
14	Sh. R. Saktivel	Manager	BYPL	9717974572	sakthivel.rejendras@relianceada.com
15	Sh.S.S. Sondhi	AVP	BRPL	9312147009	satinder.sondhi@relianceada.com
16	Sh. A.K. Gera	AVP	BRPL	9313898750	anand.gera@relianceada.com
17	Sh. Ashis Kumar Dutta	DGM(PMG)	TPDDL	9871798566	ashis.dutta@tatapower-ddl.com
18	Sh. Lalit Munjal	DD (TE)	DERC	8588866915	ddte.derc@gov.nic.in
19	Sh. R.S. Meena	AGM E/M	MES	8130750809	geelectric@gmail.com
20	Sh. Vinod Kumar	AGM E/M	MES	9910949182	geelectric@gmail.com
21	Sh. Madan Pal	EE, SLDC	NDMC	9868115524	ermadnpalndmc@gmail.com