DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

DECEMBER 2017

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	DEC. 2016	DEC. 2017
1	**Effective Generation Capacity within Delhi in MW**		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	705
	Rithala GT	108	108
	Bawana	1372	1372
	TOWMCL	16	16
	Total	2936	2936
2	**Maximum Unrestricted Demand (MW)**	**3857**	**4008**
	Date	30.12.2016	29.12.2017
	Time	10.33.06	09.56.53
3	**Peak Demand met (MW)**	**3857**	**4008**
	Date	30.12.2016	29.12.2017
	Time	10.33.06	09.56.53
4	Peak Availability (MW)	4328	3884
5	Shortage (-) / Surplus (+) in MW	(-) 189	(-) 124
6	Percentage Shortage (-) / Surplus (+)	(-) 4.90	(-) 3.09
7	Maximum Energy Consume in a day (Mus)	63.033	69.102
8	Energy Consumed during the month	**1790.501**	**1967.580**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.004
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.005	0.009
	BRPL	0.062	0.000
	BYPL	0.000	0.013
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**0.067**	**0.026**
B)	Due to Constraints in System in Mus		
	DTL	0.380	0.206
	NDPL	0.237	0.097
	BRPL	0.201	0.232
	BYPL	0.050	0.036
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.014	0.000
	Total	**0.882**	**0.561**
11	**Grand Total in Mus**	**0.949**	**0.587**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING DECEMBER 2017

A) For the month of December 2017

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.00	0.199	-0.199	0.00	0.00
2.	**GT**	33.339	1.471	31.868	89.67	142.921
3.	**PPCL**	200.960	4.352	196.608	97.67	36.316
4.	**BTPS**	0.000	1.997	-1.997	0.00	0.000
5.	**Rithala**	0.000	0.062	-0.062	**69.25**	47.376
6.	**Bawana**	217.724	7.400	210.324	73.22	209.438
7.	**Towmcl**	12.986	1.832	11.154	--	--
8.	**EDWPCL**	1.464	0.691	0.773	--	--
9.	**DMSWL**	9.934	2.033	7.901	--	--
	TOTAL	**476.407**	**20.037**	**456.37**	**--**	**436.051**

B) For the Year 2017-18 (Upto December 2017)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Dec. 2017	Availability (%) for Dec. 2017	PLF (%) for Dec. 2017	Cumulative Generation in MUs upto Dec. 2017 for the year 2017-18	Cumulative Availability in % upto Dec. 2017 for the year 2017-18	Cumulative PLF in % upto Dec. 2017 for the year 2017-18
RPH	135	-0.199	0.00	0.00	-2.138	0.00	-0.07
GT	270	31.868	89.67	16.32	443.826	82.08	25.53
PPCL	330	196.608	97.67	82.42	1442.521	97.33	68.06
BTPS	705	-1.997	0.00	0.00	1225.566	42.67	34.08
Rithala	108	-0.062	**69.25**	0.00	-.0550	**86.93**	0.00
Bawana	1372	210.324	73.22	21.76	2140.800	71.55	24.71
Towmcl	16	11.154	--	--	104.797	--	--
EDWPCL	--	0.773	--	--	9.082	--	--
DMSWL	--	7.901	--	--	70.350	--	--
TOTAL	2936	**456.37**	**--**	**--**	**5434.749**	**--**	**--**

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2017

RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	08.05.15	13.40	Contd.		Not in operation due to not meeting pollution norms.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	21.05.15	10.20	Contd.		Not in operation due to not meeting pollution norms.

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooloing water from CW return line.
		30.4.17	19:15	2.5.17	12:02	After attending the cooling water leakage machine could not be taken on bar due no schedule from SLDC on CC NG.
		2.5.17	23:35	24.5.17	06:57	Machine stopped due to no schedule from SLDC on CC NG
		4.6.17	15:47	4.6.17	17:16	machine tripped with following alarm GAC Electrical protection Trouable , Electrical Trouable Normal shut down and Genarator Exciatation field failure alarm. Processor of DVR found faulty and same was replaced
		7.6.17	09:45	14.6.17	12:51	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		20.6.17	17:26	20.6.17	23:59	Machine tripped on Electrical Trouble Normal shut down and generator electrical protection. The following alarm also appeared on protection panel. Relay P141B operated, Rotor or stator earth fault and 11 KV Bkr gas pressure low.
		23.6.17	23:02	24.6.17	14:05	Machine Stopped due to Low SF-6 Gas Pressure in 11 KV Breaker.
		24.6.17	14:40	26.6.17	19:40	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		2.7.17	09:47	3.7.17	17:14	Stopped due to low demand and high frequency
		13.7.17	18:16	18.7.17	20:22	
		22.7.17	12:16	11.8.17	15:37	
		11.8.17	18:24	11.8.17	21:25	Machine stopped due to fire observed in load gear box.
		12.8.17	00:05	7.9.17	12:00	Stopped due to low demand and high frequency.
		18.9.17	07:55	18.9.17	18:11	
		22.9.17	11:50	22.9.17	14:30	Machine tripped on TAD High(155 mm WC)
		22.9.17	14:30	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	12:15	Machine not available due to problem in NRV of ACW line.
		23.9.17	12:15	28.9.17	14:58	Stopped due to low demand and high frequency
		4.10.17	14:17	4.10.17	16:45	Machine tripped on LTTH high. There was a problem in cooling water circuit as the LTTH of other machines were also running High.The self cleaning filter of ACW system cleaned circulating water sytem got normalized.
		4.10.17	16:45	6.10.17	10:15	Stopped due to low demand and high frequency.
		7.10.17	12:32	8.10.17	12:12	
		10.10.17	06:10	10.10.17	09:30	
		10.10.17	16:00	12.10.17	08:42	
		15.10.17	00:03	17.10.17	09:02	
		18.10.17	15:15	28.10.17	09:47	
		30.10.17	05:00	30.10.17	08:00	Machine stopped on TAD High as the machine could not sustain on 5 MW load.
		30.10.17	08:00	4.11.17	10:25	Stopped due to low demand and high frequency..
		18.11.17	20:05	30.11.17	23:59	Machine stopped to changeover to GT-5 and also intimated to SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	4.4.17	00:04	20.4.17	16:50	Machine stopped due to low demand on CCNG from SLDC
		30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooloing water from CW return line.
		30.4.17	19:15	24.5.17	10:20	After attending the cooling water leakage machine could not be taken on bar due no schedule from SLDC.
		29.5.17	06:12	29.5.17	09:45	Machine tripped while rebooting the Mark-IV system as the machine was operating while R&S controller was inoperative.
		29.5.17	09:45	02.06.17	09.15	Machine cleared from C&I side but SLDC did not allow to un the machine due to low demand in the Grid.
		2.6.17	09:15	2.6.17	20:13	machine could not be taken on bar as mark-IV system was found hanged. Card "HCMA"in <C> communicator and "HXPD" in <R> Controller was found faulty. These cards were replaced. After executing start command Machine came in temperature control mode and speed of machine did not increase after 2850 RPM.
		7.6.17	09:45	13.6.17	14:12	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		13.6.17	14:26	14.6.17	12:27	Machine taken on bar for testing.
		2.7.17	09:47	3.7.17	17:52	Stopped due to low demand and high frequency
		8.7.17	15:25	9.7.17	16:34	Tripped on loss of field on alarm Electrical trouble shutdown.
		10.7.17	10:26	10.7.17	16:45	Tripped on loss of field on alarm Electrical trouble shutdown.
		11.7.17	09:57	11.7.17	17:04	Machine tripped on Electrical Trouble Normal Shut Down and loss of field alarm on protection panel.
		11.7.17	17:10	13.7.17	10:43	Stopped due to low demand and high frequency
		13.7.17	12:35	14.7.17	13:50	Machine tripped on Electrical Trouble Normal Shut Down and loss of field alarm on protection panel.
		14.7.17	13:55	18.7.17	18:29	Stopped due to low demand and high frequency
		18.7.17	20:45	20.7.17	17:50	
		22.7.17	18:59	10.8.17	15.38	
		12.8.17	00:07	7.9.17	14:38	
		18.9.17	07:50	18.9.17	17:46	
		23.9.17	08:15	23.9.17	12:15	Machine stppoed to attend NRV in return line ACW line.
		23.9.17	12:15	25.9.17	12:49	Stopped due to low demand and high frequency
		25.9.17	16:10	28.9.17	14:38	
		4.10.17	15:45	6.10.17	09:52	
		7.10.17	12:32	7.10.17	14:24	
		1.11.17	13:32	8.11.17	10:00	
		18.11.17	19:58	30.11.17	23:59	Machine stopped to changeover to GT-6 and also intimated to SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	4.4.17	23:58	30.4.17	07:00	Machine stopped due to low demand on CC Spot R-LNG from SLDC
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	29.7.17	14.53	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		29.7.17	15:04	04.8.17	17.10	Machine stopped after taking trial test as there was no schedule from SLDC.
		4.8.17	22:32	5.8.17	16:42	Stopped due to low demand and high frequency
		6.8.17	02:15	7.9.17	11:32	
		7.9.17	15:35	14.9.17	05:36	
		16.9.17	13:22	19.9.17	11:17	
		21.9.17	14:08	21.9.17	16:27	Machine tripped, No alarm appeared but fuel failure alram came on protection pannel. The Cooing water for Turbine oil cleaning was very dirty and this water was drained after that fresh DM water taken into tank and Machine synchronised.
		22.9.17	12:30	22.9.17	14:30	Machine tripped on TAD High
		22.9.17	14:30	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	12:11	Machine not available due to problem in NRV of ACW line.
		28.9.17	01:00	29.9.17	08:26	Stopped due to low demand and high frequency
		29.9.17	09:04	4.10.17	09:50	Machine stopped as GT-5 was taken on load as per SLDC requirement of load.
		7.10.17	01:00	8.10.17	08:20	Stopped due to low demand and high frequency
		8.10.17	16:30	9.10.17	12:30	
		9.10.17	20:00	14.10.17	12:25	
		15.10.17	00:06	17.10.17	09:40	
		17.10.17	19:01	1.11.17	05:10	
		1.11.17	13:35	8.11.17	10:06	Machine stopped as per SLDC message due to low demand on CCNG.
		9.11.17	00:22	9.11.17	09:00	Machine tripped on high TAD .
		9.11.17	09:00	30.11.17	23:59	Machine cleared from Maintenance side but not taken om load due to low schedule on CCNG.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	4.4.17	23:58	30.4.17	07:00	Machine stopped due to low demand on CC Spot R-LNG from SLDC
		30.4.17	07:00	30.4.17	19:15	machine not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	02.06.17	12.25	Machine stopped due to no schedule from SLDC on CC Spot R-LNG
		2.6.17	12:30	5.6.17	13:30	Stopped due to low demand and high frequency
		5.6.17	13:30	5.6.17	15:50	After giving start command to machine it came on FSNL in due time. While trying to sybchronise its 11 KV breaker not taking Close command inspite all permissive healthy.After checking DVR and Mark-Vie system it was found that closing permissive from protection panel was not available. The problem rectified by Protection department and same was synchronised with Grid.
		6.6.17	22:13	14.9.17	09:28	Machine stopped due to low schedule from SLDC on CC Spot
		17.9.17	15:30	19.9.17	12:43	With heavy jerk in the system and inspecting at local its Y Phase Bus Conductor got snapped and oil is coming from the Bushes of R&Y Phase.
		20.9.17	00:05	23.9.17	08:15	Machine stopped as per SLDC message due to low demand on CCspot.
		23.9.17	08:15	23.9.17	12:15	Machine not available due to problem in NRV of ACW line.
		23.9.17	12:15	25.9.17	15:38	Stopped due to low demand and high frequency
		27.9.17	17:31	27.9.17	19:40	Machine tripped on Electrical Trouble Normal Shut down.
		27.9.17	19:45	13.10.17	11:20	Stopped due to low demand and high frequency
		4.10.17	22:48	5.10.17	01:28	Machine tripped due to communication failed with any IO pack.Loss of flame Tripp alarm appeared.
		5.10.17	01:40	5.10.17	10:48	Stopped due to low demand and high frequency
		7.10.17	01:00	8.10.17	12:00	
		8.10.17	12:00	8.10.17	18:30	Machine taken out from DC due to problem in Field breaker.
		8.10.17	18:35	9.10.17	13:18	Machine cleared from maintenance side but not taken on load due low schedule from SLDC.
		9.10.17	20:00	14.10.17	12:28	Stopped due to low demand and high frequency
		14.10.17	17:20	17.10.17	10:13	
		17.10.17	11:01	17.10.17	13:13	Machine tripped due to communication failed with any IO pack.
		17.10.17	19:01	31.10.17	23:59	Stopped due to low demand and high frequency.
		1.11.17	00:00	9.11.17	02:04	
		9.11.17	02:23	30.11.17	23:59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	4.4.17	00:00	25.4.17	18:57	machine taken to Hot Gas Path Inspection & Generator O/h since 25/03/2017
		25.4.17	19:57	30.4.17	07:00	Machine Cleared after synchronizing and running for one hour on 10 MW, 20MW and 30 MW
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	1.5.17	07:22	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		16.5.17	12:40	16.5.17	13:46	Machine tripped on loss of Exciatation alongwith Electrical trouable normal shut down alarm on protection panel.
		24.5.17	11:25	05.06.17	17.50	Machine stopped due to no schedule from SLDC on CC NG
		16.6.17	03:46	13.07.17	13.21	Stopped due to low demand and high frequency
		13.7.17	14:41	13.7.17	17:15	Machine tripped on Exhaust over temperature trip alarm.
		14.7.17	18:57	15.7.17	12:25	Tripped on electrical normal shutdown.UAT E/F operated, differential trip, dirrerential R, Differential Y and Overall differential operated
		15.7.17	12:51	15.7.17	16:39	Machine stopped after taking trial and no schedule from SLDC.
		15.7.17	17:22	18.7.17	11:08	Stopped due to low demand and high frequency
		18.7.17	18:50	20.7.17	11:06	Machine stopped due to leakage of water from Warren Pump and less load on machine.
		20.7.17	13:37	22.7.17	18:45	Machine stopped after taking trial and no schedule from SLDC.
		28.7.17	10:42	29.7.17	15:25	Machine tripped on overspeed bolt trip alarm.Over speed bolt trip alarm reset and not taken on bar due to no schedule from SLDC.
		29.7.17	15:34	02.08.17	11.40	Machine stopped after taking trial and no schedule from SLDC.
		5.8.17	20:08	11.8.17	13:45	Stopped due to low demand and high frequency
		22.8.17	18:00	22.8.17	21:03	Machine stopped due to gas pressure low in 11 KV breaker
		26.8.17	12:00	26.8.17	19:50	Stopped due to low demand and high frequency.
		30.8.17	18:33	30.8.17	21:30	Machine stopped due to SF6 Gas pressure low alarm in 11 KV breakers.
		30.8.17	21:30	5.9.17	09:30	Stopped due to low demand and high frequency.
		7.9.17	10:05	7.9.17	10:54	Machine desynchronise to change the relay which got damaged and not permitting increase in load.
		17.9.17	15:30	17.9.17	17:20	With heavy jerk observed in the system GT#5 tripped.
		20.9.17	18:05	23.9.17	08:15	Stopped due to low demand and high frequency..
		23.9.17	08:15	23.9.17	13:59	Machine not available due to problem in NRV of ACW line.
		25.9.17	16:49	29.9.17	09:00	Machine Tripped due to lub oil temp high alarm. After that machine not taken on load due to no demand on OC spot.
		29.9.17	21:12	29.9.17	22:12	Machine tripped on Exhaust temp v.High
		29.9.17	22:52	2.10.17	12:30	Stopped due to low demand and high frequency.
		2.10.17	14:00	3.10.17	22:48	Stopped due to low demand and high frequency..
		4.10.17	02:42	4.10.17	12:42	Machine tripped on high exhaust over temperature.
		4.10.17	14:10	4.10.17	15:15	Machine tripped on LTTH high. There was a problem in cooling water circuit as the LTTH of other machines were also running High.The self cleaning filter of ACW system cleaned circulating water sytem got normalized.
		4.10.17	15:15	5.10.17	09:55	Machine cleared from maintenance side but not taken on load due low schedule from SLDC.
		12.10.17	08:14	14.10.17	11:24	Machine tripped due to Exhaust Temp of Very High cleared by maintenance division but not taken on load due to low schedule from SLDC.
		14.10.17	14:32	14.10.17	16:27	Machine tripped on high exhaust temperature.
		14.10.17	17:15	17.10.17	08:57	Stopped due to low demand and high frequency.
		17.10.17	23:01	3.11.17	05:21	
		1.11.17	14:16	2.11.17	11:25	
		2.11.17	19:35	18.11.17	16:50	Machine changeover to GT-5 and also intimated to SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	23.03.17	14.17	30.4.17	07:00	Machine stopped due to low schedule from SLDC on CC spot R-LNG.
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	2.5.17	12:45	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		2.5.17	12:45	2.5.17	22:25	After getting schedule from SLDC, Machine could not be taken on load due to early disengaging of Diesel Engine before 65% of Turbine full rpm.
		7.5.17	00:23	7.5.17	00:47	Machine taken on FSNL to change over from Bus bar BB-1 to BB-3
		22.5.17	15:00	06.06.17	21.21	Machine stopped due to no schedule from SLDC on CC NG
		16.6.17	03:49	13.07.17	15.20	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		20.7.17	20:18	22.7.17	12:12	Stopped due to low demand and high frequency
		27.7.17	02:44	27.7.17	15:35	(i) Communication failed with IO pack
		27.7.17	15:40	28.7.17	11:38	Stopped due to low demand and high frequency
		2.8.17	13:08	6.8.17	02:06	Machine stopped as per SLDC message due to low demand on CCNG.
		10.8.17	13:18	10.8.17	13:29	Machine came on FSNL due to disturbance in Pragati 220 KV I.P Ext Grid.
		26.8.17	03:13	26.8.17	22:22	Stopped due to low demand and high frequency.
		26.8.17	22:53	30.8.17	17:50	
		16.9.17	13:18	17.9.17	17:23	
		22.9.17	10:08	22.9.17	18:00	Machine tripped on TAD High(142 mm WC)
		22.9.17	18:00	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	12:15	Machine not available due to problem in NRV of ACW line.
		23.9.17	12:15	25.9.17	12:55	Stopped due to low demand and high frequency
		25.9.17	19:02	29.9.17	08:00	
		30.9.17	21:00	13.10.17	22:42	
		7.10.17	18:00	8.10.17	13:08	
		11.10.17	06:10	11.10.17	10:11	
		11.10.17	16:00	14.10.17	11:50	
		17.10.17	23:01	1.11.17	05:52	
		4.11.17	10:30	18.11.17	19:07	Machine changeover to GT-6 and also intimated to SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooloing water from CW return line.
		30.4.17	19:15	2.5.17	15:56	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		2.5.17	23:35	24.5.17	09:40	Stopped due to low demand and high frequency
		7.6.17	09:45	14.6.17	16:58	
		2.7.17	09:47	3.7.17	17:14	Stopped due to low demand and high frequency
		8.7.17	15:25	8.7.17	17:07	Machine tripped as one of the running machine ,GT#2 tripped on loss of excitation.
		13.7.17	18:16	19.7.17	07:20	Stopped due to low demand and high frequency
		22.7.17	18:55	11.8.17	17.35	
		11.8.17	18:47	11.8.17	19:52	machine tripped on drum level very high alarm due drum level contronl valve of both circuit of HRSG# 2 not operative.
		12.8.17	00:07	16.8.17	12:45	Stopped due to low demand and high frequency.
		16.8.17	12:45	28.8.17	18:30	STG-1 taken out of DC due to condenser cleaning
		28.8.17	18:30	7.9.17	16:14	Stopped due to low demand and high frequency
		18.9.17	07:10	18.9.17	22:17	Machine stopped due to heavy leakage of DM water from NRV of CPH O/L valve of HRSG#2.
		19.9.17	12:30	19.9.17	13:40	Machine tripped on high Exhaust steam Pr. High. Though all the parameters were normal all of sudden Exhaust steam pressure became high with in the span of 2-3 seconds.
		23.9.17	08:15	23.9.17	12:15	Machine stopped to attend NRV of ACW Return line.
		23.9.17	12:15	27.9.17	17:05	Stopped due to low demand and high frequency
		4.10.17	14:17	4.10.17	16:45	Machine tripped alongwith tripping of GT#1 .
		4.10.17	16:45	6.10.17	12:24	Machine cleared from maintenance side but not taken on load due low schedule from SLDC.
		7.10.17	05:30	7.10.17	08:16	Running BFP tripped on De-aerator level very low as this alarm appeared due to burning of control cable near super heater zone area of drum floor. Also Stand by BFP could not be taken as the start permisive not available.Hence Machine tripped manually.
		7.10.17	12:32	8.10.17	07:00	Machine stopped to attend flue gas leakages at super heater zone area of boiler floor.
		8.10.17	07:00	8.10.17	13:34	Machine cleared from maintenance side but not taken on load due low schedule from SLDC.
		8.10.17	14:26	8.10.17	15:40	Machine tripped due to false alarm of turbine overspeed as all the parameter were running normal.
		25.10.17	06:20	25.10.17	09:09	Machine tripped on failure of LT supply to Boiler and turbine MCC board due to tripping of 800 KVA Transformer-I.Buchholtz relay of 800 KVA Transformer-I operated. On further inspection it was found that the oil level indicator was showing the level of oil as above normal but in actual it was below low level.
		28.10.17	08:10	28.10.17	08:32	Machine tripped on low vacume as MS-13 valve closed suddenly.
		1.11.17	13:32	4.11.17	12:28	Machine stopped as per SLDC message due to low demand on CCNG.
		5.11.17	22:57	5.11.17	23:29	Machine tripped on CH-1 & CH-II operated
		8.11.17	16:02	8.11.17	17:45	Machine tripped due to malfunctioning of speed pick up.
		18.11.17	18:47	30.11.17	23:59	Machine stopped due to changeover to STG-III as intimated also to SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	30	1.4.17	11:39	1.4.17	19:25	Machine stopped to attend hot spot on R-Phase Line Isolator.
		4.4.17	00:00	30.4.17	07:00	Machine stopped due to low demand on CCNG from SLDC
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	05.06.17	23.02	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		6.6.17	22:13	4.8.17	20.32	machine stopped as there was no schedule on CC SPOT.
		4.8.17	20:35	4.8.17	22:05	All of sudden load became zero and machine tripped manually.
		4.8.17	22:20	5.8.17	18:50	machine stopped as local operator informed about heavy steam leakage from MS-114 Valve.
		5.8.17	20:26	10.8.17	15:00	Suddenly machine tripped on multiple alram on BCD. Alram s like ESV closed and both boiler trip.
		10.8.17	15:00	26.8.17	03:00	After clearance from C&I machine is available but not taken on load due to low schedule from SLDC.
		26.8.17	03:00	26.8.17	16:45	Machine not available due to work in CW Inlet valve of STG#I.
		26.8.17	16:45	31.8.17	23:59	Machine is available but no schedule from SLDC on CCNG.
		14.9.17	16:07	14.9.17	17:34	machine tripped due to Hot well Level very high. As The running CEP-2A left the load due to choking of suction stainer and stand by CEP-28 was under PTW.
		17.9.17	15:30	19.9.17	13:09	machine tripped due to tripping of GT#4 as the machine was running on single GT.
		21.9.17	14:08	21.9.17	17:42	machine tripped due to tripping of GT#3 as the machine was running on single GT.
		22.9.17	12:30	22.9.17	14:30	machine tripped due to tripping of GT#3 as the machine was running on single GT.
		22.9.17	14:30	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	14:00	Machine not available due to problem in NRV of ACW line.
		28.9.17	01:00	4.10.17	11:45	Stopped due to low demand and high frequency
		7.10.17	01:00	7.10.17	18:15	Machine stopped as per SLDC message due to low demand on CCNG.
		7.10.17	18:15	8.10.17	07:00	Machine was taken out from DC to attend leakage of cooling water at ACW inlet line of STG#III.
		8.10.17	07:00	8.10.17	12:00	Machine cleared from maintenance side but not taken on load due low schedule from SLDC.
		8.10.17	16:30	9.10.17	14:48	Stopped due to low demand and high frequency
		9.10.17	20:00	14.10.17	15:00	
		15.10.17	00:06	17.10.17	11:14	
		17.10.17	19:01	1.11.17	07:52	
		1.11.17	13:35	8.11.17	11:58	
		9.11.17	00:22	9.11.17	09:00	Machine tripped due to tripping of GT#3 as machine running on single HRSG#3.
		9.11.17	09:00	30.11.17	23:59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	30	28.3.17	18.45	24.4.17	18:00	Machine taken for Chemical Cleaning of Condensor
		24.4.17	18:00	30.4.17	07:00	Chemical Cleaning of Condensor completed but machine did not taken on load due to no schedule on CC Spot R-Lng from SLDC
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	1.5.15	11.22	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		7.5.17	08:30	7.5.17	10:47	There was hunting in 24 Volt Charger Out put Voltage which leads to tripping of MCB of DDC panel CRB01,CRB02, CRC01,CRC03 & CJJ02. Due to this Operating parameters were not available at BCD as well as on CRT and subsequently machine tripped on Turbine Ch-I & Ch-II.
		24.5.17	11:25	01.06.17	13.15	Machine stopped as there was no schedule on CCNG
		1.6.17	13:00	5.6.17	13:15	Machine taken under PTW to attend leakage of steam from Main Steam Turbine Control valve.
		5.6.17	13:15	5.6.17	19:55	As per SLDC msg Machine taken on Bar.
		5.6.17	20:26	5.6.17	21:16	Machine tripped on Turbine RJB Vibration V.High
		11.6.17	12:37	11.6.17	14:59	Machine tripped on Turbine channel-1 & 2 operated.
		15.6.17	11:39	15.6.17	12:52	Machine tripped on Turbine channel-1 & 2 operated.
		16.6.17	03:49	13.07.17	17.22	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		20.7.17	20:18	22.7.17	14:03	Stopped due to low demand and high frequency
		27.7.17	02:44	27.7.17	05:52	Machine tripped on Very High Drum level as the Drum level of HRSG# 5 could not be controlled . The other HRSG was tripped due to tripping of GT#6.
		28.7.17	10:42	28.7.17	12:42	Machine tripped as running Machine GT # 5 tripped on overspeed bolt alarm.
		28.7.17	19:18	28.7.17	20:06	Machine Tripped on Drum Level High
		28.7.17	20:54	28.7.17	22:21	Machine Tripped on Class A Trip relay operated
		5.8.17	20:08	6.8.17	04:00	Stopped due to low demand and high frequency.
		10.8.17	13:18	10.8.17	14:18	Machine tripped due to disturbance in Pragati 220 KV I.P Ext Grid.
		17.8.17	23:28	18.8.17	03:38	Machine tripped on exhaust pressure very high. Vaccum stars decreasing slowly and machine tripped when the value og vaccum was -0.78 Kg/Cm2. Both high and very high alarm appeared same time.
		20.8.17	07:10	20.8.17	11:10	Machine tripped due to Turbine Ch-1 & Ch-2 operated, Diff. expansion V.High and V.high, Turbine Brg. Temp and Generator bearing temp v.high alarm also appeared on BCD pannel. It was found that BK card failed and same was replaced.
		26.8.17	03:11	26.8.17	21:15	Machine stopped to attend CW Inlet Valve of STG #I.
		16.9.17	02:18	16.9.17	13:04	Machine stopped as the Generator winding tempertaure of Machine became high due to problem in cooling water.
		17.9.17	15:30	17.9.17	19:51	Machine tripped as there was disturbance in the yard due to snapping of Y phase bus conductor of GT#4.
		18.9.17	18:49	18.9.17	19:38	machine tripped with Turbine Ch-I & II oprerated.
		20.9.17	17:30	20.9.17	21:06	Machine stopped as the Generator winding tempertaure of Machine became high due to problem in cooling water.It is suspected that the seat of NRV of O/L valve in ACW line is in stucked position..
		22.9.17	10:08	22.9.17	18:00	Machine tripped on due to tripping of GT#6 on high TAD as the machine was running on single boiler.
		22.9.17	18:00	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	12:15	Machine not available due to problem in NRV of ACW line.
		23.9.17	12:15	23.9.17	16:13	Stopped due to low demand and high frequency
		25.9.17	18:10	27.9.17	23:30	Machine stopped due to lube oil temp very high (75 to 80 degree C).
		27.9.17	23:30	28.9.17	23:59	Stopped due to low demand and high frequency
		30.9.17	21:00	4.10.17	01:14	
		7.10.17	17:30	8.10.17	09:55	Machine stopped due to heavy leakage from ACW inlet line of STG# III.
		10.10.17	02:25	10.10.17	03:40	Machine tripped on Drum level low.
		12.10.17	08:14	14.10.17	13:05	Machine tripped due to tipping of GT#5 as the machine was running on single GT.but not taken on load due to low schedule from SLDC.
		17.10.17	23:01	1.11.17	08:52	Stopped due to low demand and high frequency
		2.11.17	19:30	2.11.17	20:58	Machine tripped due to hotwell level high
		4.11.17	07:45	18.11.17	19:28	Machine changedover to STG-III as also intimated to SLDC
		23.11.17	08:54	23.11.17	09:47	Machine tripped due to tripping of CEP-3B and CEP-3A could not start. Machine thus tripped on low vacuum.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	17.02.17	12.10	01.04.17	11.36	Unit tripped due to internal fault
		18.04.17	15.35	20.04.17	19.47	GT#2 swapped by GT#1 and started after getting schedule.
		27.04.17	00.39	02.06.17	12.36	Stopped due to low demand and high frequency
		02.06.17	19.34	05.06.17	14.20	
		07.06.17	10.34	13.06.17	15.49	
		16.06.17	07.27	17.06.17	09.51	
		20.06.17	11.08	11.07.17	17.48	
		11.07.17	16.17	27.07.17	11.26	
		07.08.17	12.03	11.08.17	12.33	
		14.08.17	07.37	14.08.17	12.12	Unit tripped due to internal fault
		15.08.17	16.46	15.08.17	21.30	
		15.08.17	21.30	16.08.17	11.03	Gt#1 remain stopped due to no schedule and started after getting schedule.
		22.08.17	11.24	22.08.17	12.09	Unit tripped due to internal fault
		24.09.17	20.20	25.09.17	11.00	Unit stopped to attend hot spot
		25.09.17	11.00	25.09.17	12.44	Stopped due to low demand and high frequency
		26.11.17	01.34	26.11.17	05.40	Unit tripped due to grid disturbance
		31.12.17	09.00	31.12.17	21.30	Planned mtc.
		31.12.17	21.30	31.12.17	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	01.04.17	13.14	06.04.17	09.00	GT#2 swapped by GT#1
		06.04.17	09.00	06.04.17	19.00	GT#2 was unavailable for Planned Maintenance
		06.04.17	19.00	18.04.17	14.05	Stopped due to low demand and high frequency
		17.06.17	09.01	17.06.17	12.00	Stopped due to internal fault.
		17.06.17	12.00	21.06.17	05.40	Stopped due to low demand and high frequency
		01.08.17	08.58	01.08.17	11.15	Tripped due to as pressure low
		01.08.17	13.47	01.08.17	18.10	Unit tripped due to internal fault
		08.08.17	07.08	08.08.17	08.25	
		08.09.17	12.29	08.09.17	13.49	Unit tripped due to grid disturbance
		23.09.17	11.27	24.09.17	20.56	Stopped due to low demand and high frequency
		31.10.17	14.00	03.11.17	22.41	Stopped for planned inspection.
		04.11.17	06.20	04.11.17	10.13	Unit tripped due to internal fault
		08.11.17	08.54	08.11.17	11.44	Unit tripped due to internal fault
		26.11.17	01.34	26.11.17	02.25	Unit tripped due to grid disturbance
		12.12.17	00.28	12.12.17	03.45	Tripped due to grid disturbance
		12.12.17	03.45	12.12.17	24.00	Planned mtc.
		13.12.17	00.00	13.12.17	06.43	Unit tripped due to grid disturbance
		15.12.17	02.12	15.12.17	05.14	Internal fault

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	24.04.17	09.33	27.04.17	10.49	STG tripped on internal fault.
		24.05.17	10.38	24.05.17	12.12	
		17.06.17	09.03	17.06.17	11.18	Desynchronized as G.T.-2 tripped on internal fault.
		20.06.17	11.08	21.06.17	08.45	Stopped due to low demand and high frequency
		08.08.17	07.08	08.08.17	09.50	Unit tripped due to internal fault
		25.08.17	17.23	25.08.17	18.54	Unit stopped to attend internal fault
		08.09.17	12.29	08.09.17	13.55	Unit tripped due to grid disturbance
		11.09.17	05.26	11.09.17	09.15	Unit stopped to attend hot spot
		14.10.17	08.48	14.10.17	11.02	Unit tripped due to internal fault
		15.10.17	08.52	15.10.17	13.18	
		16.10.17	05.34	16.10.17	10.14	
		01.11.17	17.44	01.11.17	18.25	
		26.11.17	01.19	26.11.17	11.02	Unit tripped due to grid disturbance
		12.12.17	00.28	12.12.17	03.01	

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	20.11.14	00.00	31.12.17	23.59	Not in operation due to not meeting pollution norms.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	24.09.15	19.52	31.12.17	23.59	Not in operation due to not meeting pollution norms.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	09.10.15	01.00	31.12.17	23.59	Not in operation due to not meeting pollution norms.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	04.04.17	05.17	17.04.17	07.13	Stopped due to low demand and high frequency
		29.04.17	10.37	29.04.17	12.42	Generator protection
		06.05.17	18.08	06.05.17	22.49	Hot spot on GT Bushing
		31.05.17	14.00	05.06.17	07.31	Stopped due to low demand and high frequency
		23.06.17	21.27	25.06.17	10.45	Stopped due to water wall leakage BTL.
		25.06.17	10.45	26.06.17	05.20	AVR excitation problem.
		07.07.17	18.12	08.07.17	20.10	Water wall leakage
		10.08.17	03.17	10.08.17	06.38	UTT/ST Problem.
		05.09.17	00.30	05.09.17	22.15	Water wall tube leakage
		12.09.17	17.13	14.09.17	09.55	Reheater tube leakage
		19.09.17	16.52	20.09.17	14.57	Wall wall tube leakage
		24.09.17	09.39	27.09.17	08.56	Stopped due to low demand and high frequency
		16.10.17	23.47	31.12.17	23.59	Stopped by DPCC due to not meeting pollution norms Stopped by DPCC

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	21.12.16	00.00	04.04.17	01.39	Stopped due to low demand and high frequency
		13.05.17	14.44	14.05.17	00.05	PA Fan 5A motor shaft shared
		14.05.17	00.06	14.05.17	05.34	Generation excitation low
		27.05.17	19.15	28.05.17	11.30	
		28.05.17	11.30	29.05.17	07.36	
		29.06.17	19.56	03.07.17	10.38	Stopped due to low demand and high frequency
		16.10.17	23.24	31.12.17	23.59	Stopped by DPCC due to not meeting pollution norms Stopped by DPCC

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	07.02.17	19.20	09.05.17	15:32	low or No scheduling of Bawana. (Trial Run)
		09.05.17	16:47	10.05.17	4:30	low or No scheduling of Bawana. (Trial Run)
		10.05.17	13:21	12.05.17	5:40	Stopped due to low demand and high frequency
		21.05.17	16:48	21.05.17	18:30	Black Out (Grid Restore@18:30 hrs.)
		21.05.17	18:30	24.05.17	10:18	
		31.05.17	20:15	16.06.17	16.50	
		16.06.17	00:00	16.06.17	16:50	
		17.06.17	19:30	17.06.17	7:41	Stopped due to low demand and high frequency
		19.06.17	17:39	19.06.17	8:11	
		23.06.17	19:01	23.06.17	8:05	
		25.06.17	12:35	25.06.17	6:54	
		06.08.17	12.32	06.08.17	14.44	Due to some maintenance work unit was taken out.
		07.08.17	12.39	07.08.17	14.27	Mixing of 220V AC & 110 DC.
		19.08.17	17.40	24.08.17	08.23	low or No scheduling of Bawana .
		25.09.17	11.04	07.10.17	15.00	Stopped due to internal fault
		07.10.17	15.00	07.10.17	21.09	Stopped due to low demand and high frequency
		01.11.17	03.36	01.11.17	06.08	GT#1 unloaded due to malfunction of limit switch of compressor bleed valve which was supposed to be closed.
		05.11.17	13.27	05.11.17	21.40	
		17.11.17	04.15	19.11.17	21.00	Filter replacement
		01.12.17	14.00	01.12.17	15.24	Internal fault
		17.12.17	21.58	27.12.17	00.00	Stopped due to low demand and high frequency
		27.12.17	00.00	27.12.17	12.00	Stopped due to boroscopic inspection
		27.12.17	12.00	31.12.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	08.12.16	06.35	31.05.17	16.52	
		03.06.17	12.04	05.07.17	13.47	Stopped due to low demand and high frequency
		23.07.17	13.57	24.07.17	16.19	
		04.08.17	11.30	04.08.17	18.30	
		07.08.17	12.41	08.08.17	10.43	Tripped due to internal fault
		29.08.17	12.00	29.08.17	23.59	Stopped due to low demand and high frequency
		01.09.17	00.00	14.12.17	23.59	Upgradation and overhauling of generator.
		15.12.17	23.04	15.12.17	24.00	
		15.12.17	00.00	15.12.17	04.05	Tripped due to loss of flame.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	07.02.17	19.24	09.05.17	18:00	Minor Overhauling.(DC introduced w.e.f.18:00 hrs.)
		09.05.17	18:00	12.05.17	15:19	Stopped due to low demand and high frequency
		21.05.17	16:48	21.05.17	18:30	Black Out (Grid Restore@18:30 hrs.)
		21.05.17	18:30	24.05.17	9:01	Turbine Roter mtc.
		24.05.17	9:01	24.05.17	16:13	Stopped due to low demand and high frequency
		26.05.17	2:35	26.05.17	3:27	Due to AVR trouble alarm, Master relay operated and caused Generator Circuit Breaker of STG#1 to open. "Load shed detected" appeared in alarm list.
		31.05.17	5:13	31.05.17	7:26	Due to AVR trouble alarm, Master relay operated and caused Generator Circuit Breaker of STG#1 to open. "Load shed detected" appeared in alarm list. Malfunction of one Digital Input card which generates this signal was suspected.
		31.05.17	13:25	31.05.17	16:30	Due to AVR trouble alarm, Master relay operated and caused Generator Circuit Breaker of STG#1 to open. "Load shed detected" appeared in alarm list. Malfunctioning of OverVoltage Relay circuit generated this AVR Trouble alarm which caused Master Relay to operate.
		03.06.17	12.04	19.06.17	14.05	
		19.06.17	18.55	25.06.17	12.32	Stopped due to low demand and high frequency
		07.08.17	00.00	07.08.17	19.58	Mixing of 220V AC and 110V DC.
		25.09.17	11.16	28.09.17	19.30	Stopped due to internal fault
		28.09.17	19.30	07.10.17	15.00	Stopped due to non availability of G.T.-I & II
		07.10.17	15.00	08.10.17	07.48	Stopped due to low demand and high frequency
		01.11.17	03.45	01.11.17	08.08	Unit tripped manually
		05.11.17	13.33	05.11.17	23.11	Filter replacement
		08.11.17	10.46	08.11.17	12.31	Tripped dueto AVR trouble
		17.11.17	04.15	19.11.17	21.00	Filter replacement
		01.12.17	14.02	01.12.17	16.22	Internal fault

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	15.04.17	16.06	03.05.17	16.55	Stopped due to low demand and high frequency
		04.05.17	00.12	04.05.17	02.32	When lead selection was given to AOP-2, as per logic, AOP-1 stopped. But Pr. Transmitter sensed a dip in the lube oil pressure causing tripping of GT#3. AOP-1 came back in service with a time delay of 4 sec after command from Mark-VI.
		06.05.17	00.15	13.06.17	17.07	Stopped due to low demand and high frequency
		13.06.17	20.30	06.09.17	11.47	
		06.09.17	23.16	12.09.17	08.00	
		12.09.17	08.00	04.10.17	10.30	
		04.10.17	10.30	13.10.17	24.00	
		14.10.17	10.15	15.10.17	09.30	Unit tripped on internal fault.
		15.10.17	09.30	17.11.17	11.52	Stopped due to low demand and high frequency
		19.11.17	20.38	21.11.17	15.55	
		24.11.17	21.16	09.12.17	20.54	
		10.12.17	03.07	10.12.17	09.38	
		11.12.17	13.01	31.12.17	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	01.04.17	11.25	24.05.17	05.23	Stopped due to low demand and high frequency
		24.05.17	14.16	03.06.17	18.26	
		06.06.17	17.35	06.06.17	22.06	Due to Burning of PT circuit wire caused unbalance of voltage in relay thereby resulting in Stator Earth Fault.
		13.06.17	14.42	13.06.17	19.23	It was suspected that probably a mixing of AC & DC signals occurred instantaneously in the DDC panel (CRE 43 & 44) which controls the operations of all the Breakers from the remote (ECP/ OWS System), without any process command which resulted in instantaneous Trip command to Breakers.
		25.06.17	13.32	19.08.17	06.17	Due to changeover the machine.
		06.09.17	23.59	13.09.17	09.52	Stopped due to low demand and high frequency
		18.09.17	15.29	18.09.17	18.24	Due to earth rotar fault
		22.09.17	22.04	27.09.17	08.31	
		01.10.17	00.00	15.10.17	24.00	Stopped due to low demand and high frequency
		16.10.17	00.00	29.10.17	16.30	Unit tripped on internal fault.
		29.10.17	16.30	01.11.17	12.10	
		01.11.17	19.49	08.11.17	12.23	
		21.11.17	16.50	09.12.17	21.36	
		09.12.17	22.32	09.12.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	03.05.17	17.40	03.05.17	19.05	While checking the operation of LPBP of HRSG-3 inadvertently the CV got fully opened causing condenser vaccum to drop rapidly and STG-2 tripped on Low Condenser Vaccum
		12.05.17	17.30	04.06.17	00.14	Stopped due to low demand and high frequency
		04.06.17	14.38	04.06.17	17.00	Malfunction of DVR system apprehended which caused Field Breaker to open. The probable reason which would have caused this problem was the high ambient temperature inside the Thyristor Panel Room.
		04.06.17	18.39	04.06.17	21.34	Again Malfunction of DVR system apprehended which caused Field Breaker to open. The probable reason which would have caused this problem was the high ambient temperature inside the Thyristor Panel Room.
		06.06.17	17.35	07.06.17	01.18	Burning of PT circuit wire caused unbalance of voltage in relay thereby resulting in Stator Earth Fault.
		25.06.17	13.37	19.08.17	17.09	Stopped due to low demand and high frequency
		28.08.17	11.40	28.08.17	13.09	Tripped due to internal fault
		06.09.17	20.26	28.09.17	18.57	Stopped due to internal fault
		01.10.17	00.05	01.10.17	02.12	Tripped on low vaccum.
		08.10.17	00.09	31.12.17	23.59	Tripped on internal fault.

(F) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	31.12.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	07.06.13	22:41	31.12.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	07.06.13	22:38	31.12.17	23.59	Stopped due to low demand and high frequency

4 ALLOCATION OF POWER TO DELHI

A) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 01.04.2017

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	1000	150	132	115	0	0	115
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
TOTAL	**9782**	**1302**	**2306**	**2016**	**0**	**0**	**2016**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-I HEP	480	0	53	50	0	0	50
URI-II HEP	240	0	32	31	0	0	31
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
Parbati-III HEP	520	66	66	63	0	0	63
TOTAL	**4065**	**272**	**479**	**455**	**0**	**0**	**455**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**880**	**128**	**103**	**89**	**0**	**0**	**89**
SJVNL							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
THDC							
Tehri Hydro	1000	99	63	60	0	0	60
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**102**	**97**	**0**	**0**	**97**
Total	**17627**	**1990**	**3132**	**2793**	**0**	**0**	**2793**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**5960**	**153**	**261**	**217**	**0**	**0**	**217**
Joint Venture							
Jhajjar TPS	1500	114	693	622	0	0	622
Ultra Mega Projects							
Sasan	3960	0	446	400	0	0	400
Grand Total	**29047**	**2257**	**4531**	**4032**	**0**	**0**	**4032**

5 ALLOCATION OF POWER TO DISCOMS

A) ALLOCATION OF POWER TO VARIOUS LISCENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (DADRI THERMAL & BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f. 06.08.2013.

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0	0	29.18	43.58	27.24	100.00
2. Dadri (Th)	16.63	0	24.22	36.86	22.39	100.00
3. BTPS	17.73	7.09	21.81	33.2	20.17	100.00
4. RPH	0	0	29.025	44.133	26.842	100.00
5. GT	0	0	29.02	44.16	26.82	100.00
6. Pragati	30.3	0	20.22	30.78	18.7	100.00
7. DVC	0	0	29.18	43.58	27.24	100.00
8. BAWANA CCGT*	7.30	1.82	20.688	30.888	19.304	80.00

(B) 00.00hrs. to 10.00hrs. and 17.00hrs. to 24.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0	0	29.18	43.58	27.24	100.00
2. Dadri (Th)	16.53	0	24.22	36.86	22.39	100.00
3. BTPS	17.73	7.09	21.81	33.2	20.17	100.00
4. RPH	0	0	29.025	44.133	26.842	100.00
5. GT	0	0	29.02	44.16	26.82	100.00
6. Pragati	30.3	0	20.22	30.78	18.7	100.00
7. DVC	0	0	29.18	43.58	27.24	100.00
8. BAWANA CCGT*	7.30	1.82	20.688	30.888	19.304	80.00

* 20% POWER OF BAWANA CCGT ALLOCATED TO HARYANA (10%) & PUNJAB (10%)

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING DECEMBER 2017

Date	Time of peak demand			Generation within Delhi								Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	Townmcd	East Delhi	DMSWL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)				(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	10.31.45	0	75	274	0	252	8	0	9	-4	614	3003	2886	117	3617	0	3617
2	10.36.49	0	36	275	0	251	15	-1	13	-4	585	2829	2758	71	3414	0	3414
3	10.25.41	0	36	275	0	252	14	-1	13	-4	585	2769	2754	15	3354	45	3399
4	10.00.48	0	36	274	0	253	16	-1	12	-4	586	2854	2764	90	3440	0	3440
5	10.38.49	0	36	274	0	282	17	4	12	-4	621	2916	2822	94	3537	0.22	3537
6	11.12.03	0	36	266	0	292	13	2	10	-4	615	3035	2798	237	3650	0	3650
7	10.00.00	0	37	272	0	264	10	-2	16	-4	593	2885	2938	-53	3478	0	3478
8	09.55.29	0	36	274	0	262	15	-1	15	-4	597	2993	2965	28	3590	0	3590
9	10.15.50	0	41	273	0	270	15	-1	16	-4	610	2922	2771	151	3532	0	3532
10	11.02.30	0	67	308	0	361	12	-1	6	-4	749	2491	2333	158	3240	0	3240
11	10.16.23	0	68	272	0	424	15	-1	5	-4	779	2815	2756	59	3594	0	3594
12	10.10.58	0	41	122	0	323	16	-1	14	-4	511	3028	3064	-36	3539	3	3542
13	10.06.24	0	69	276	0	320	15	-1	10	-4	685	3012	2964	48	3697	3	3700
14	10.00.00	0	69	268	0	448	15	-1	13	-4	808	2865	2797	68	3673	0	3673
15	10.21.13	0	41	262	0	486	16	-1	15	-4	815	3135	3059	76	3950	0	3950
16	10.35.45	0	41	274	0	468	18	-1	17	-4	813	2995	2923	72	3808	0	3808
17	10.22.27	0	41	269	0	461	16	-1	16	-4	798	3072	2897	175	3870	0	3870
18	09.13.50	0	41	277	0	254	14	0	12	-4	594	3307	3063	244	3901	0	3901
19	10.09.00	0	41	274	0	250	12	0	9	-4	582	3106	3258	-152	3688	0	3688
20	10.30.44	0	41	262	0	261	16	5	9	-4	590	3298	3178	120	3888	0	3888
21	10.08.31	0	40	265	0	254	13	4	11	-4	583	3286	3194	92	3869	0	3869
22	10.01.30	0	40	265	0	251	0	4	15	-4	571	3399	3363	36	3970	0	3970
23	09.55.41	0	40	271	0	252	17	2	6	-4	584	3133	3085	48	3717	0	3717
24	10.21.33	0	40	265	0	255	18	4	10	-4	588	3095	3064	31	3683	0	3683
25	10.30.40	0	40	263	0	253	19	2	9	-4	582	3274	3174	100	3856	0	3856
26	10.18.00	0	40	266	0	254	17	5	7	-4	585	3217	3205	12	3802	0	3802
27	10.00.46	0	40	270	0	251	18	-1	-2	-4	572	3315	3265	50	3887	0	3887
28	10.08.00	0	38	266	0	252	10	2	-1	-4	563	3274	3101	173	3837	0	3837
29	09.56.53	0	37	269	0	252	15	3	13	-4	585	3423	3299	124	4008	0	4008
30	10.00.00	0	38	273	0	250	15	3	5	-4	580	3058	3133	-75	3638	8	3646
31	10.25.30	0	37	159	0	250	12	2	5	-4	461	3265	3197	68	3726	0	3726

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING DECEMBER 2017

Date	Time of peak demand			Generation within Delhi								Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	Townmcd	East Delhi	DMSWL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)				(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	10.31.45	0	75	274	0	252	8	0	9	-4	614	3003	2886	117	3617	0	3617
2	10.36.49	0	36	275	0	251	15	-1	13	-4	585	2829	2758	71	3414	0	3414
3	10.25.41	0	36	275	0	252	14	-1	13	-4	585	2769	2754	15	3354	45	3399
4	10.00.48	0	36	274	0	253	16	-1	12	-4	586	2854	2764	90	3440	0	3440
5	10.38.49	0	36	274	0	282	17	4	12	-4	621	2916	2822	94	3537	0.22	3537
6	11.12.03	0	36	266	0	292	13	2	10	-4	615	3035	2798	237	3650	0	3650
7	10.00.00	0	37	272	0	264	10	-2	16	-4	593	2885	2938	-53	3478	0	3478
8	09.55.29	0	36	274	0	262	15	-1	15	-4	597	2993	2965	28	3590	0	3590
9	10.15.50	0	41	273	0	270	15	-1	16	-4	610	2922	2771	151	3532	0	3532
10	11.02.30	0	67	308	0	361	12	-1	6	-4	749	2491	2333	158	3240	0	3240
11	10.16.23	0	68	272	0	424	15	-1	5	-4	779	2815	2756	59	3594	0	3594
12	10.10.58	0	41	122	0	323	16	-1	14	-4	511	3028	3064	-36	3539	3	3542
13	10.06.24	0	69	276	0	320	15	-1	10	-4	685	3012	2964	48	3697	3	3700
14	10.00.00	0	69	268	0	448	15	-1	13	-4	808	2865	2797	68	3673	0	3673
15	10.21.13	0	41	262	0	486	16	-1	15	-4	815	3135	3059	76	3950	0	3950
16	10.35.45	0	41	274	0	468	18	-1	17	-4	813	2995	2923	72	3808	0	3808
17	10.22.27	0	41	269	0	461	16	-1	16	-4	798	3072	2897	175	3870	0	3870
18	09.13.50	0	41	277	0	254	14	0	12	-4	594	3307	3063	244	3901	0	3901
19	10.09.00	0	41	274	0	250	12	0	9	-4	582	3106	3258	-152	3688	0	3688
20	10.30.44	0	41	262	0	261	16	5	9	-4	590	3298	3178	120	3888	0	3888
21	10.08.31	0	40	265	0	254	13	4	11	-4	583	3286	3194	92	3869	0	3869
22	10.01.30	0	40	265	0	251	0	4	15	-4	571	3399	3363	36	3970	0	3970
23	09.55.41	0	40	271	0	252	17	2	6	-4	584	3133	3085	48	3717	0	3717
24	10.21.33	0	40	265	0	255	18	4	10	-4	588	3095	3064	31	3683	0	3683
25	10.30.40	0	40	263	0	253	19	2	9	-4	582	3274	3174	100	3856	0	3856
26	10.18.00	0	40	266	0	254	17	5	7	-4	585	3217	3205	12	3802	0	3802
27	10.00.46	0	40	270	0	251	18	-1	-2	-4	572	3315	3265	50	3887	0	3887
28	10.08.00	0	38	266	0	252	10	2	-1	-4	563	3274	3101	173	3837	0	3837
29	09.56.53	0	37	269	0	252	15	3	13	-4	585	3423	3299	124	4008	0	4008
30	10.00.00	0	38	273	0	250	15	3	5	-4	580	3058	3133	-75	3638	8	3646
31	10.25.30	0	37	159	0	250	12	2	5	-4	461	3265	3197	68	3726	0	3726

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR DECEMBER 2017

A) AVAILABILITY FROM GENCO AND PRAGATI STNs. (all fig in MUs)

A (i) RPH	0.000
(ii) GT+STG	33.339
(iii) PRAGATI	200.960
(iv) RITHALA	0.000
(v) BAWANA CCGT	217.724
(vi) Timarpur – Okhla	12.986
EDWPCL	1.464
DMSWL	9.934
TOTAL	476.407
B) AVAILABILITY FROM BTPS	-1.959
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	18.040
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**456.408**

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	1.327	1.278	1.327	1.278
SALAL	9.568	9.217	9.568	9.217
SASAN	286.756	276.181	278.551	268.266
TANKAPUR	2.356	2.270	2.356	2.270
CHAMERA	3.792	3.653	3.792	3.653
CHAMERA -II	5.221	5.031	5.221	5.031
CHAMERA -III	2.875	2.770	2.875	2.770
DHAULIGANGA	4.426	4.264	4.426	4.264
SEWA -2	1.882	1.815	1.882	1.815
URI	7.408	7.140	7.408	7.140
URI-II	4.639	4.479	4.529	4.375
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	8.395	8.084	8.395	8.084
PARBATI3	1.860	1.792	1.860	1.792
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	0.000	0.000	0.000	0.000
ANTA (RLNG)	15.220	14.659	0.000	0.000
ANTA (LIQUID)	16.873	16.252	0.000	0.000
DADRI (GAS)	21.387	20.601	8.175	7.877
DADRI (RLNG)	9.764	9.395	0.000	0.000
DADRI (LIQUID)	35.275	33.989	0.000	0.000
AURAIYA (GAS)	0.022	0.022	0.002	0.002
AURAIYA (RLNG)	11.889	11.449	0.000	0.000
AURAIYA (LIQUID)	38.889	37.463	0.000	0.000
SINGRAULI	80.379	77.437	66.673	64.236
RIHAND -I	64.608	62.266	60.630	58.432
RIHAND -II	88.354	85.110	80.917	77.944
RIHAND -III	85.923	82.757	71.220	68.593
UNCHAHAR-I	14.639	14.102	12.045	11.603
UNCHAHAR-II	26.883	25.905	21.606	20.819
UNCHAHAR-III	19.731	19.006	16.018	15.429
UNCHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	509.459	490.757	184.139	177.367
DADRI (TH) STAGE-II	487.518	469.628	387.145	372.945
NAPP	32.882	31.675	32.882	31.675
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	38.918	37.488	38.918	37.488
NATHPA JHAKRI	22.180	21.367	16.546	15.940
DULASTI	11.811	11.379	11.811	11.379
TEHRI	15.441	14.869	15.437	14.866
JHAJJAR	412.699	397.564	268.783	258.974
KHELGAON	24.920	23.996	16.985	16.359

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
KHELGAON-II	108.173	104.203	80.615	77.645
FARAKA	14.442	13.913	9.311	8.971
TALA	2.800	2.698	2.800	2.698
TALCHER	0.000	0.000	0.000	0.000
DVC	236.498	234.820	234.820	226.221
CHATTISHGARH	0.031	0.031	0.031	0.030
TRIPURA	0.000	0.000	0.000	0.000
MEGHALAYA	1.735	1.718	1.718	1.654
MAHARASHTRA	0.231	0.228	0.228	0.220
ANDHRA	0.755	0.750	0.750	0.723
MADHYA PRADESH	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	94.734	94.051	94.051	90.503
DVC MEJIA (LT-08)(BYPL)	66.730	66.257	66.257	63.821
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.679	0.669	0.669	0.644
HIMACHAL PRADESH	6.679	6.521	6.521	6.282
ASSAM	0.000	0.000	0.000	0.000
KARNATAKA	0.039	0.038	0.038	0.037
NAGALAND	2.105	2.095	2.095	2.018
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	68.857	67.738	67.738	65.243
SIKKIM	3.162	3.116	3.116	3.002
WEST BENGAL	0.000	0.000	0.000	0.000
UTTAR PRADESH	3.056	2.969	2.969	2.860
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	3.038	2.942	2.942	2.833
RAJASTHAN(SOLAR) BYPL - LT-35	3.106	3.008	3.008	2.897
RAJASTHAN(SOLAR) TPDDL LT-31	3.027	2.932	2.932	2.823
TO JHARKHAND	-4.276	-4.329	-4.329	-4.493
TO ANDHRA	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	-71.472	-72.846	-72.846	-75.623
TO MANIPUR	-3.561	-3.606	-3.606	-3.744
TO UTTAR PRADESH	-1.816	-1.883	-1.883	-1.963
TO J&K	-197.940	-201.194	-201.194	-208.865
TO TAMILNADU	-3.768	-3.810	-3.810	-3.941
TO ASSAM	-0.173	-0.176	-0.176	-0.184
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO TRIPURA	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-239.685	-246.760	-246.760	-256.169
TO HARYANA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	58.925	56.735	58.925	56.735
TO POWER EXCHANGE (IEX)	-95.022	-98.670	-95.022	-98.670
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-17.410	-18.072	-17.410	-18.072
TO SHARE PROJECT (PUNJAB)	-17.410	-18.072	-17.410	-18.072
TOTAL	**2452.441**	**2335.125**	**1619.211**	**1509.943**

C) AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAWL FROM THE GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
NTPC - NR	1526.812	1470.800	908.569	875.246
NTPC - ER	147.535	142.113	106.911	102.975
NHPC	57.166	55.086	57.056	54.983
NPC	71.800	69.163	71.800	69.163
SASAN	286.756	276.181	278.551	268.266
KOTESHWAR	8.395	8.084	8.395	8.084
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	22.180	21.367	16.546	15.940
TEHRI	15.441	14.869	15.437	14.866
TALA	2.800	2.698	2.800	2.698
JHAJJAR	412.699	397.564	268.783	258.974
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.038	2.942	2.942	2.833
RAJASTHAN SOLAR(BYPL)T-35	3.106	3.008	3.008	2.897
RAJASTHAN SOLAR(TPDDL)T-31	3.027	2.932	2.932	2.823
DVC	236.498	234.820	234.820	226.221
CHATTISHGARH	0.031	0.031	0.031	0.030
TRIPURA	0.000	0.000	0.000	0.000
MEGHALAYA	1.735	1.718	1.718	1.654
MAHARASHTRA	0.231	0.228	0.228	0.220
ANDHRA	0.755	0.750	0.750	0.723
MADHYA PRADESH	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	94.734	94.051	94.051	90.503
DVC MEJIA (LT-08)(BYPL)	66.730	66.257	66.257	63.821
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.679	0.669	0.669	0.644
HIMACHAL PRADESH	6.679	6.521	6.521	6.282
ASSAM	0.000	0.000	0.000	0.000
KARNATAKA	0.039	0.038	0.038	0.037
NAGALAND	2.105	2.095	2.095	2.018
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	68.857	67.738	67.738	65.243
SIKKIM	3.162	3.116	3.116	3.002
WEST BENGAL	0.000	0.000	0.000	0.000
UTTAR PRADESH	3.056	2.969	2.969	2.860
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	58.925	56.735	58.925	56.735
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3104.974**	**3004.541**	**2283.655**	**2199.739**

D) AGENCY WISE BREAKUP OF ENERGY SCHEDULED BY NRLDC FOR EXPORT TO OTHER UTILITIES FROM DTL

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO JHARKHAND	-4.276	-4.329	-4.329	-4.493
TO ANDHRA	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	-71.472	-72.846	-72.846	-75.623
TO MANIPUR	-3.561	-3.606	-3.606	-3.744
TO J&K	-197.940	-201.194	-201.194	-208.865
TO UTTAR PRADESH	-1.816	-1.883	-1.883	-1.963
TO TAMILNADU	-3.768	-3.810	-3.810	-3.941
TO ASSAM	-0.173	-0.176	-0.176	-0.184
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO TRIPURA	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-239.685	-246.760	-246.760	-256.169
TO HARYANA	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-95.022	-98.670	-95.022	-98.670
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-17.410	-18.072	-17.410	-18.072
TO SHARE PROJECT (PUNJAB)	-17.410	-18.072	-17.410	-18.072
TOTAL	**-652.533**	**-669.417**	**-664.445**	**-689.796**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2452.441**	**2335.125**	**1619.211**	**1509.943**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		1985.620
NET CONSUMPTION		**1967.580**
AVAILABILITY WITHIN DELHI		456.408
ACTUAL DRAWAL FROM THE GRID		1511.172
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		1.229
LOAD SHEDDING		0.587
UNRESTRICTED DEMAND (GROSS)		1986.207
UNRESTRICTED DEMAND (NET)		1968.167
MAX. NET CONSUMPTION		69.102 ON 15.12.2017
MAX. LOAD SHEDDING		171MW ON 20.12.2017 AT 21.42HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	4008MW AT 09.56.53HRS ON 29.12.2017	0 MW
EVENING PEAK	3340MW AT 18.30HRS ON 14.12.2017	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	16.60%
	PRAGATI	81.85%
	RITHALA	0.00%
	BAWANA	21.34%
	Timarpur Okhla	109.09%
	EDWPCL	16.40%
	DMSWL	55.63%

9 SHEDDING DETAILS DURING THE MONTH OF DECEMBER 2017.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		NDPL	NDMC	**TOTAL**	BSES		NDPL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	**2**	**3**	**4**	**5**	**6**	**7=3 to 6**	8	9	10	11	12
01.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
02.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
03.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
04.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
05.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
06.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
07.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
08.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
09.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
10.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.013	0.000	0.000	0.000	0.000
11.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
12.Dec.17	1	0.003	0.001	0.000	0.000	**0.004**	0.000	0.000	0.000	0.000	0.000
13.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
14.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
15.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.009	0.000	0.000
16.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
17.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
18.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
19.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
20.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
21.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
22.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
23.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
24.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
25.Dec.17	0	0.000	0.000	0.0001	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
26.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
27.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
29.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
30.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
31.Dec.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**1**	**0.003**	**0.001**	**0.000**	**0.000**	**0.004**	**0.013**	**0.000**	**0.009**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		NDPL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
02.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
03.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
04.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
05.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
06.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
07.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
08.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
09.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
10.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.013**	**0.013**
11.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
12.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.004**
13.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
14.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
15.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
16.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
17.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
18.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
19.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
20.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
21.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
22.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
23.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
24.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
25.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
26.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
27.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
28.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
29.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
30.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
31.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.022**	**0.026**

ALL FIGURES IN MUs

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		NDPL	NDMC	**MES**	BSES		NDPL	NDMC
	BYPL	BRPL				BYPL	BRPL		
	26	27	28	29	**30**	31	32	33	34
01.Dec.17	0.003	0.006	0.000	0.000	0.000	0.002	0.003	0.000	0.000
02.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
03.Dec.17	0.000	0.074	0.021	0.000	0.000	0.004	0.000	0.000	0.000
04.Dec.17	0.000	0.002	0.000	0.000	0.000	0.005	0.005	0.000	0.000
05.Dec.17	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.002	0.000
06.Dec.17	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.047	0.000
07.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.000
08.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000
09.Dec.17	0.009	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
10.Dec.17	0.001	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
11.Dec.17	0.000	0.013	0.001	0.000	0.000	0.000	0.034	0.002	0.000
12.Dec.17	0.000	0.018	0.012	0.000	0.000	0.000	0.007	0.002	0.000
13.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006	0.000
14.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.004	0.000
15.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.007	0.000
16.Dec.17	0.0000	0.000	0.003	0.000	0.000	0.000	0.009	0.000	0.000
17.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000
18.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.004	0.000
19.Dec.17	0.000	0.000	0.001	0.000	0.000	0.000	0.036	0.000	0.000
20.Dec.17	0.000	0.016	0.001	0.000	0.000	0.000	0.010	0.000	0.000
21.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.010	0.000
22.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.0000	0.000
23.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.0000	0.000
24.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000
25.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Dec.17	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.010	0.000
28.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.0003	0.000
30.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.0000	0.000
31.Dec.17	0.000	0.015	0.003	0.000	0.000	0.000	0.003	0.000	0.000
TOTAL	**0.013**	**0.151**	**0.042**	**0.000**	**0.000**	**0.026**	**0.232**	**0.097**	**0.000**

ALL FIGURES IN MUs

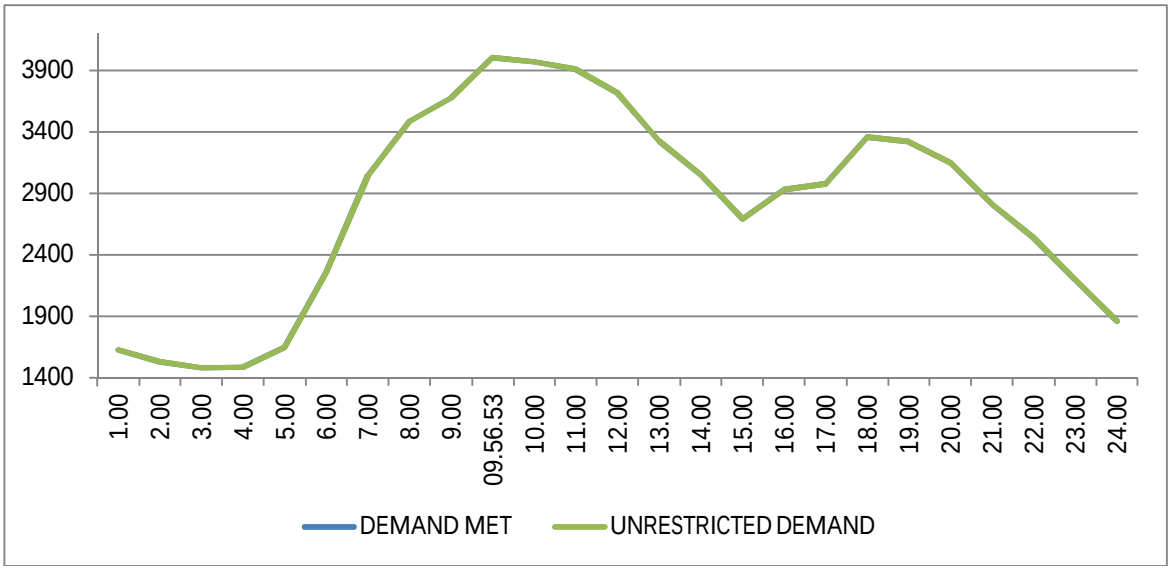
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.014**
02.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
03.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.099**	**0.099**
04.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.012**	**0.012**
05.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
06.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.059**	**0.059**
07.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.014**
08.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
09.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.017**	**0.017**
10.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.017**
11.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.050**	**0.050**
12.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.039**	**0.043**
13.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.008**
14.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
15.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.049**	**0.058**
16.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.012**	**0.012**
17.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
18.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
19.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.037**	**0.037**
20.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.027**	**0.027**
21.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.022**	**0.022**
22.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
23.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
24.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
25.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
26.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
27.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.018**	**0.018**
28.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
29.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
30.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
31.Dec.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.021**	**0.021**
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.561**	**0.587**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.Dec.17	**65.368**	**3617**	10:31:45	0	**3617**	**3617**	10:31:45	**3617**	0
02.Dec.17	**60.843**	**3414**	10:36:49	0	**3414**	**3414**	10:36:49	**3414**	0
03.Dec.17	**58.865**	**3354**	10:25:41	45	**3399**	**3399**	10:25:41	**3354**	45
04.Dec.17	**61.722**	**3440**	10:00:48	0	**3440**	**3440**	10:00:48	**3440**	0
05.Dec.17	**60.604**	**3537**	10:38:49	0.22	**3537**	**3537**	10:38:49	**3537**	0.22
06.Dec.17	**65.322**	**3650**	11:12:03	9	**3659**	**3659**	11:12:03	**3650**	9
07.Dec.17	**61.746**	**3478**	10:00	0	**3478**	**3478**	10:00	**3478**	0
08.Dec.17	**64.792**	**3590**	09:55:29	0	**3590**	**3590**	09:55:29	**3590**	0
09.Dec.17	**62.509**	**3532**	10:15:50	0	**3532**	**3532**	10:15:50	**3532**	0
10.Dec.17	**57.723**	**3240**	11:02:30	0	**3240**	**3240**	11:02:30	**3240**	0
11.Dec.17	**63.453**	**3594**	10:16:23	0	**3594**	**3594**	10:16:23	**3594**	0
12.Dec.17	**62.599**	**3539**	10:10:58	3	**3542**	**3542**	10:10:58	**3539**	3
13.Dec.17	**65.346**	**3697**	10:06:24	3	**3700**	**3700**	10:06:24	**3697**	3
14.Dec.17	**65.240**	**3673**	10:00	0	**3673**	**3673**	10:00	**3673**	0
15.Dec.17	**69.102**	**3950**	10:21:13	0	**3950**	**3950**	10:21:13	**3950**	0
16.Dec.17	**60.212**	**3757**	10:35:45	0	**3757**	**3757**	10:35:45	**3757**	0
17.Dec.17	**60.879**	**3870**	10:22:27	0	**3870**	**3870**	10:22:27	**3870**	0
18.Dec.17	**63.967**	**3901**	09:13:50	0	**3901**	**3901**	09:13:50	**3901**	0
19.Dec.17	**66.359**	**3688**	10:09	0	**3688**	**3688**	10:09	**3688**	0
20.Dec.17	**67.211**	**3888**	10:30:44	0	**3888**	**3888**	10:30:44	**3888**	0
21.Dec.17	**65.754**	**3869**	10:08:31	0	**3869**	**3869**	10:08:31	**3869**	0
22.Dec.17	**66.597**	**3970**	10:01:30	0	**3970**	**3970**	10:01:30	**3970**	0
23.Dec.17	**63.174**	**3717**	09:55:41	0	**3717**	**3717**	09:55:41	**3717**	0
24.Dec.17	**60.462**	**3683**	10:21:33	0	**3683**	**3683**	10:21:33	**3683**	0
25.Dec.17	**62.889**	**3856**	10:30:40	0	**3856**	**3856**	10:30:40	**3856**	0
26.Dec.17	**64.959**	**3802**	10:18	0	**3802**	**3802**	10:18	**3802**	0
27.Dec.17	**66.776**	**3887**	10:00:46	0	**3887**	**3887**	10:00:46	**3887**	0
28.Dec.17	**65.663**	**3837**	10:08:00	0	**3837**	**3837**	10:08:00	**3837**	0
29.Dec.17	**67.731**	**4008**	09:56:53	0	**4008**	**4008**	09:56:53	**4008**	0
30.Dec.17	**62.717**	**3639**	10:00	8	**3647**	**3647**	10:00	**3639**	8
31.Dec.17	**56.996**	**3726**	10:25:30	0	**3726**	**3726**	10:25:30	**3726**	0
TOTAL	**1967.580**	**4008** **29.12.17**	09:56:53	0	**4008** **29.12.17**	**4008**	09:56:53	**4008**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING DECEMBER 2017 ON 29.12.17- 4008MW AT 09.56.53HRS.

All figures in MW

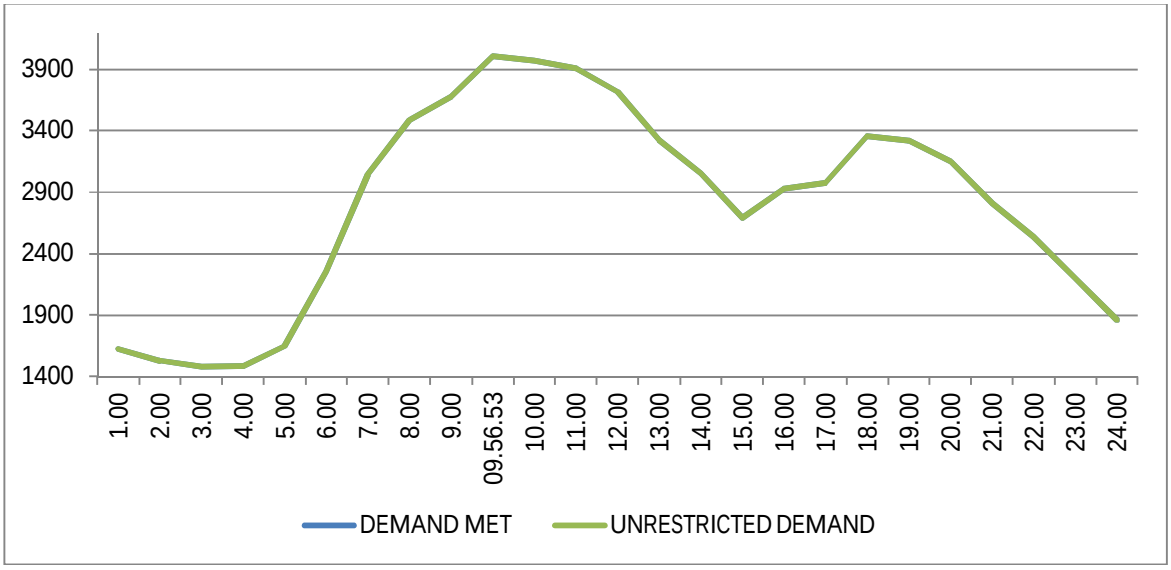
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1626	0	1626
2.00	1531	0	1531
3.00	1480	0	1480
4.00	1485	0	1485
5.00	1650	0	1650
6.00	2255	0	2255
7.00	3047	0	3047
8.00	3490	0	3490
9.00	3674	0	3674
09.56.53	4008	0	4008
10.00	3973	0	3973
11.00	3910	0	3910
12.00	3715	0	3715
13.00	3328	0	3328
14.00	3054	0	3054
15.00	2694	0	2694
16.00	2931	0	2931
17.00	2979	0	2979
18.00	3357	0	3357
19.00	3321	0	3321
20.00	3151	0	3151
21.00	2808	0	2808
22.00	2540	0	2540
23.00	2200	0	2200
24.00	1863	0	1863
Total (IN MUS)	**67.731**	**0.001**	**67.732**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING DECEMBER 2017 ON 29.12.2017-4008MW AT 09.56.53HRS.

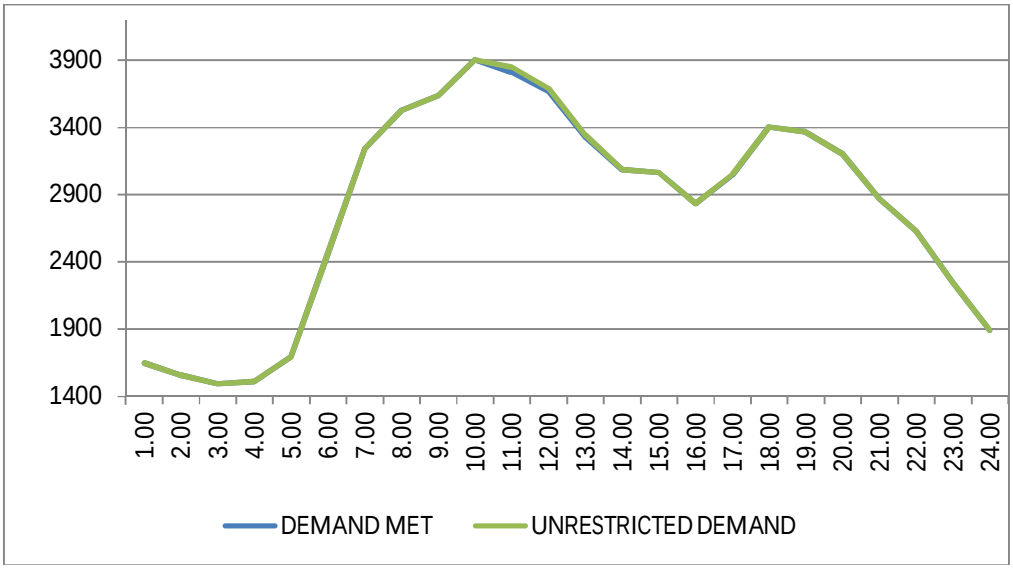
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1626	0	1626
2.00	1531	0	1531
3.00	1480	0	1480
4.00	1485	0	1485
5.00	1650	0	1650
6.00	2255	0	2255
7.00	3047	0	3047
8.00	3490	0	3490
9.00	3674	0	3674
09.56.53	4008	0	4008
10.00	3973	0	3973
11.00	3910	0	3910
12.00	3715	0	3715
13.00	3328	0	3328
14.00	3054	0	3054
15.00	2694	0	2694
16.00	2931	0	2931
17.00	2979	0	2979
18.00	3357	0	3357
19.00	3321	0	3321
20.00	3151	0	3151
21.00	2808	0	2808
22.00	2540	0	2540
23.00	2200	0	2200
24.00	1863	0	1863
Total (IN MUS)	**67.731**	**0.001**	**67.732**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING DECEMBER 2017 – 15.12.2017 – 69.102Mus All figures in MW

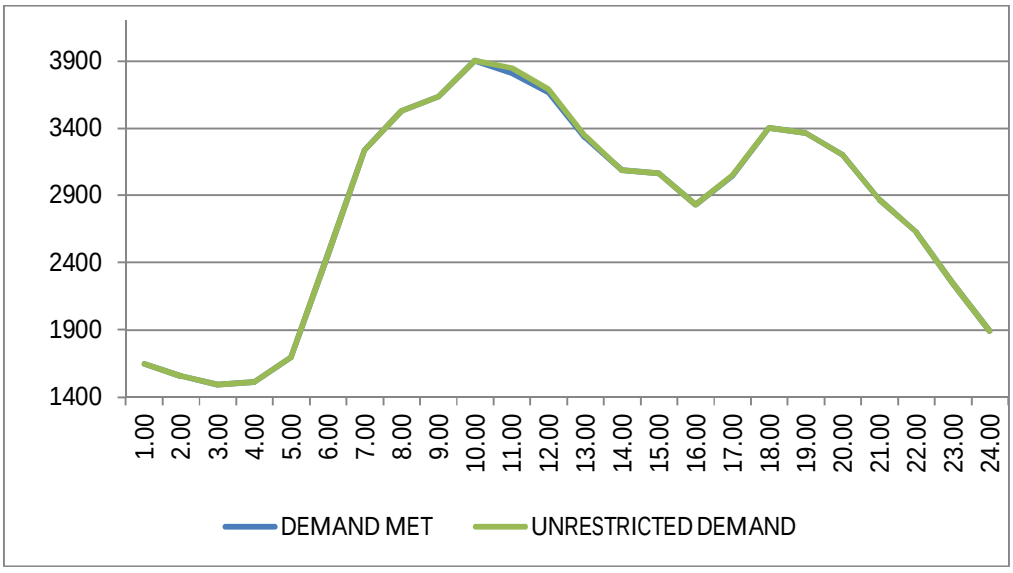
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1650	0	1650
2.00	1556	0	1556
3.00	1493	0	1493
4.00	1514	0	1514
5.00	1698	0	1698
6.00	2460	0	2460
7.00	3241	0	3241
8.00	3529	0	3529
9.00	3636	0	3636
10.00	3901	0	3901
11.00	3812	37	3849
12.00	3668	24	3692
13.00	3328	13	3341
14.00	3086	0	3086
15.00	3065	0	3065
16.00	2832	0	2832
17.00	3047	3	3050
18.00	3401	0	3401
19.00	3367	0	3367
20.00	3205	0	3205
21.00	2870	0	2870
22.00	2631	0	2631
23.00	2249	0	2249
24.00	1893	0	1893
Total (IN MUS)	**69.102**	**0.058**	**69.16**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING DECEMBER 2017 – 15.12.2017 – 69.160 Mus

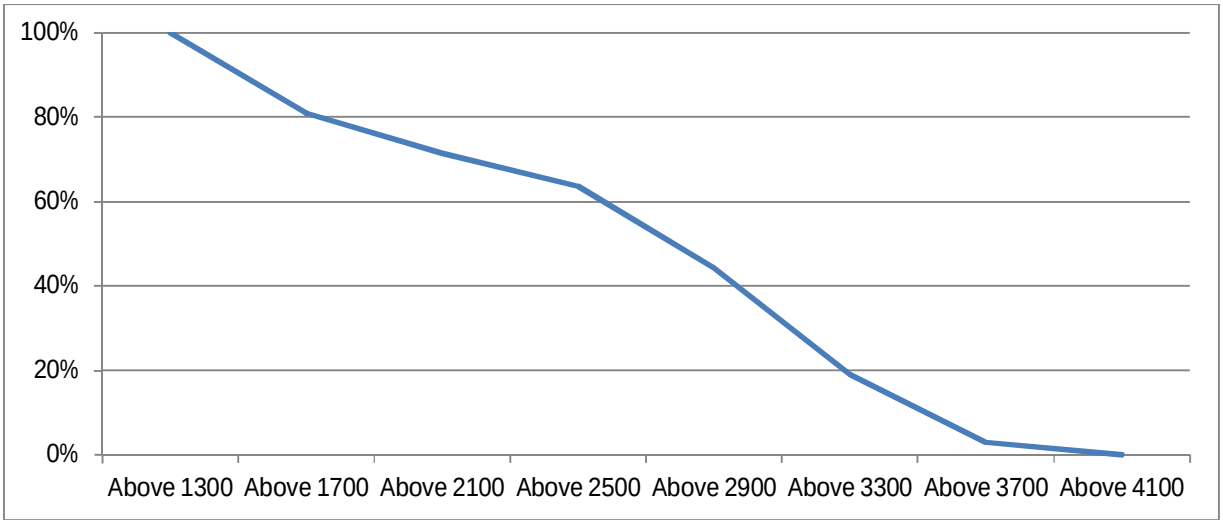
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1650	0	1650
2.00	1556	0	1556
3.00	1493	0	1493
4.00	1514	0	1514
5.00	1698	0	1698
6.00	2460	0	2460
7.00	3241	0	3241
8.00	3529	0	3529
9.00	3636	0	3636
10.00	3901	0	3901
11.00	3812	37	3849
12.00	3668	24	3692
13.00	3328	13	3341
14.00	3086	0	3086
15.00	3065	0	3065
16.00	2832	0	2832
17.00	3047	3	3050
18.00	3401	0	3401
19.00	3367	0	3367
20.00	3205	0	3205
21.00	2870	0	2870
22.00	2631	0	2631
23.00	2249	0	2249
24.00	1893	0	1893
Total (IN MUS)	**69.102**	**0.058**	**69.16**



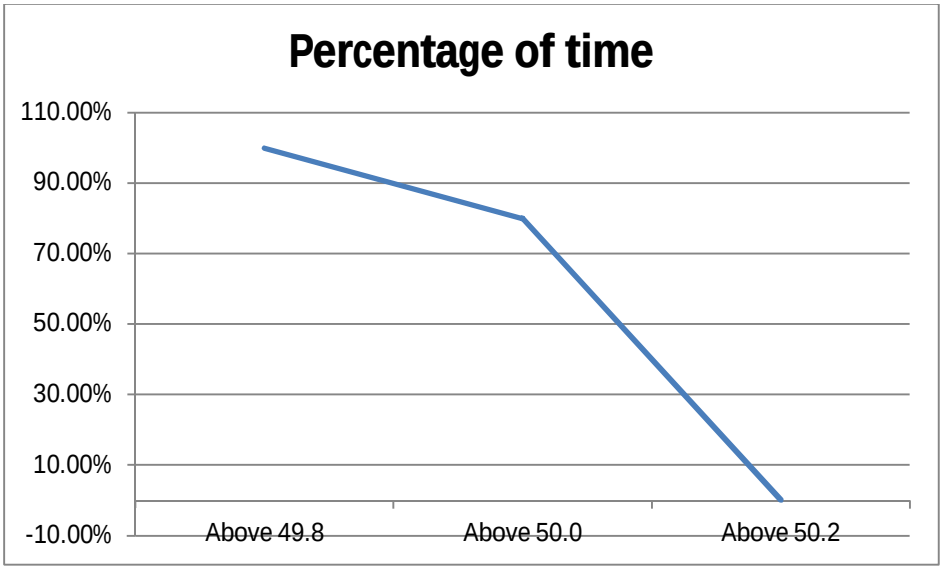
14 LOAD DURATION CURVE FOR DECEMBER 2017

Load in MW	Percentage of Time
Above 1300	100%
Above 1700	80.98%
Above 2100	71.47%
Above 2500	63.71%
Above 2900	44.32%
Above 3300	19.09%
Above 3700	2.92%
Above 4100	0.00%



15 FREQUENCY ANALYSIS FOR THE MONTH OF DECEMBER 2017

Frequency Range in Hz.	Percentage of time
Above 49.8	100.00%
Above 50.0	80.07%
Above 50.2	0.10%



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING DECEMBER 2017

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Dec.17	240.39	230.46	244.78	233.17
02.Dec.17	240.91	230.59	242.46	231.75
03.Dec.17	240.52	231.88	242.20	230.46
04.Dec.17	242.84	231.75	241.88	229.43
05.Dec.17	242.72	230.08	241.55	230.85
06.Dec.17	241.81	229.17	242.07	230.46
07.Dec.17	242.72	229.43	242.46	230.72
08.Dec.17	241.55	227.50	242.33	229.95
09.Dec.17	239.75	228.92	241.43	228.79
10.Dec.17	241.68	229.95	244.00	229.17
11.Dec.17	243.49	230.59	242.46	228.79
12.Dec.17	245.94	228.66	251.36	229.30
13.Dec.17	240.14	227.63	237.56	227.24
14.Dec.17	241.43	229.43	238.59	225.95
15.Dec.17	241.04	227.63	239.88	226.08
16.Dec.17	241.17	228.53	239.62	225.69
17.Dec.17	240.91	229.43	239.75	227.37
18.Dec.17	241.68	228.79	240.39	226.59
19.Dec.17	240.52	227.63	241.14	226.08
20.Dec.17	240.78	227.63	230.62	226.98
21.Dec.17	239.88	228.14	241.68	228.53
22.Dec.17	239.62	227.24	242.72	230.46
23.Dec.17	238.97	228.66	242.46	231.24
24.Dec.17	239.49	230.85	241.43	233.69
25.Dec.17	241.17	228.14	241.68	227.88
26.Dec.17	240.26	229.17	242.07	229.17
27.Dec.17	239.88	226.21	242.97	226.98
28.Dec.17	237.17	226.21	242.07	228.79
29.Dec.17	239.62	226.98	241.17	228.66
30.Dec.17	239.75	226.98	241.55	224.40
31.Dec.17	239.75	226.92	240.52	230.21

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING DECEMBER 2017

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Dec.17	423.95	04.01	406.37	06.42	414.91
02.Dec.17	423.95	03.59	406.37	09.11	415.52
03.Dec.17	426.06	04.00	407.77	10.17	417.94
04.Dec.17	424.89	00.04	405.19	09.23	416.05
05.Dec.17	425.59	04.01	406.60	09.09	415.63
06.Dec.17	424.19	04.03	406.83	09.37	415.32
07.Dec.17	424.89	04.02	405.66	09.52	414.70
08.Dec.17	424.19	04.00	400.97	06.48	413.61
09.Dec.17	423.72	04.02	403.32	18.12	413.16
10.Dec.17	423.95	04.01	403.79	08.23	414.43
11.Dec.17	423.25	01.01	405.43	10.08	414.29
12.Dec.17	424.19	03.00	404.25	17.52	413.24
13.Dec.17	419.73	04.01	402.85	10.23	412.36
14.Dec.17	420.67	01.01	401.68	06.45	412.69
15.Dec.17	422.55	04.00	403.79	07.20	413.16
16.Dec.17	421.61	02.02	401.91	08.17	411.89
17.Dec.17	420.67	04.01	405.66	09.54	414.05
18.Dec.17	423.25	02.02	404.49	09.19	413.66
19.Dec.17	423.01	04.01	401.91	09.27	412.26
20.Dec.17	423.25	04.01	404.25	10.22	413.23
21.Dec.17	421.61	04.01	402.85	09.51	412.29
22.Dec.17	419.26	23.53	403.08	11.09	411.64
23.Dec.17	419.73	02.02	401.91	06.18	411.69
24.Dec.17	421.37	02.02	405.66	11.13	413.62
25.Dec.17	421.61	00.00	401.91	10.09	411.83
26.Dec.17	422.55	04.00	405.19	09.45	412.80
27.Dec.17	423.72	04.01	400.97	11.15	412.53
28.Dec.17	423.25	04.00	402.85	18.10	412.81
29.Dec.17	421.84	04.02	404.25	10.18	412.92
30.Dec.17	421.37	03.00	401.44	09.03	411.04
31.Dec.17	420.67	20.56	403.08	08.20	413.61

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Dec.17	426.06	03.58	411.29	10.50	418.25
02.Dec.17	426.30	04.02	410.35	12.12	419.03
03.Dec.17	426.30	03.59	412.46	17.52	420.61
04.Dec.17	428.41	04.02	412.23	12.09	420.11
05.Dec.17	423.88	04.01	409.65	18.15	418.77
06.Dec.17	426.53	01.59	410.35	11.11	418.56
07.Dec.17	427.94	04.02	408.71	18.13	418.52
08.Dec.17	427.23	04.00	406.37	06.49	416.57
09.Dec.17	426.06	04.01	407.54	18.11	417.55
10.Dec.17	427.47	02.31	419.03	06.07	420.55
11.Dec.17	431.22	23.34	410.82	14.48	418.51
12.Dec.17	433.33	03.00	408.71	17.53	419.87
13.Dec.17	425.12	23.59	410.35	18.07	417.87
14.Dec.17	427.23	01.02	411.06	18.15	418.39
15.Dec.17	427.23	04.02	409.65	18.12	419.12
16.Dec.17	427.70	02.26	408.71	18.17	418.45
17.Dec.17	426.77	04.02	410.35	18.15	419.18
18.Dec.17	427.94	02.03	--	11.28	--
19.Dec.17	427.47	03.03	409.18	11.09	417.98
20.Dec.17	427.94	04.01	410.35	09.47	418.11
21.Dec.17	426.30	00.11	411.99	09.49	418.61
22.Dec.17	426.77	02.44	408.71	12.49	417.11
23.Dec.17	426.06	01.58	411.99	10.49	418.21
24.Dec.17	426.30	02.03	412.46	18.28	419.18
25.Dec.17	427.70	04.03	408.94	10.09	416.76
26.Dec.17	426.06	04.00	411.06	07.24	417.45
27.Dec.17	425.59	04.02	406.13	12.18	411.57
28.Dec.17	422.55	21.59	406.13	00.11	409.05
29.Dec.17	425.53	02.24	406.71	12.15	417.28
30.Dec.17	426.53	02.58	406.37	12.12	416.20
31.Dec.17	426.30	04.01	411.99	11.25	419.65

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
1	**IP YARD**		30.00		**30.00**
1	Kamla Market			16.35	**16.35**
2	Minto Road				**0.00**
3	GB Pant Hosp			10.48	**10.48**
4	Delhi Gate			16.30	**16.30**
5	Tilakmarg			5.04	**5.04**
7	Cannaught Place			10.08	**10.08**
8	Kilokri		10.08	10.48	**20.56**
9	NDSE-II				**0.00**
11	Nizamuddin				**0.00**
12	Exhibition-I				**0.00**
13	Exhibition-II				**0.00**
14	Defence Colony				**0.00**
15	IG Stadium		10.08	5.45	**15.53**
16	Lajpat Nagar				**0.00**
17	IP Estate			10.90	**10.90**
18	D.D.U.Marg			21.60	**21.60**
		0.00	**50.16**	**106.68**	**156.84**
2	**Electric Lane**				
1	Electric Lane			5.04	**5.04**
2	Scindia House			10.44	**10.44**
3	Mandi House			10.80	**10.80**
4	Raisina Road			10.08	**10.08**
5	Raja Bazar			10.08	**10.08**
		0.00	**0.00**	**46.44**	**46.44**
3	**RPH Station**		20.00		**20.00**
1	Lahori Gate			10.49	**10.49**
2	Jama Masjid			10.48	**10.48**
4	Kamla Market				**0.00**
5	Minto Road			10.90	**10.90**
6	GB Pant Hosp				**0.00**
7	IG Stadium				**0.00**
		0.00	**20.00**	**31.87**	**51.87**
4	**Parkstreet S/stn**	20.00	20.00		**40.00**
1	Shastri Park		0.00	5.45	**5.45**
2	Faiz Road			18.05	**18.05**
3	Motia Khan			16.30	**16.30**
4	Prasad Nagar			16.25	**16.25**
5	Anand Parbat			10.80	**10.80**
6	Shankar Road			10.44	**10.44**
7	Rama Road			0.00	**0.00**
8	Baird Road			10.08	**10.08**
9	Hanuman Road			10.08	**10.08**
10	Pusa			5.44	**5.44**
11	Ridge Valley			0.00	**0.00**
12	B. D. Marg			5.40	**5.40**
13	Nirman Bhawan			5.04	**5.04**
		20.00	**20.00**	**113.33**	**153.33**
5	**Naraina S/stn**		20.00	5.04	**25.04**
1	DMS			10.85	**10.85**
2	Mayapuri		10.87	10.40	**21.27**
3	Inderpuri		13.26	5.04	**18.30**
4	Rewari line				**0.00**
5	Khyber Lane		10.05		**10.05**
6	Kirbi Place		10.05		**10.05**
7	Payal			10.08	**10.08**
8	A-21 Naraina			4.80	**4.80**
8	Saraswati Garden			10.08	**10.08**
		0.00	**64.23**	**56.29**	**120.52**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
6	**Mehrauli S/stn**	80.00		5.04	**85.04**
1	Adchini			14.61	**14.61**
2	Andheria Bagh			10.85	**10.85**
3	IIT			10.90	**10.90**
4	JNU		10.03	10.03	**20.06**
5	Bijwasan			15.47	**15.47**
6	DC Saket		10.08	9.98	**20.06**
7	Malviya Nagar				**0.00**
8	C Dot			17.68	**17.68**
9	Vasant kunj B-Blk	21.79		10.90	**32.69**
10	Vasant kunj C-Blk	20.16		10.48	**30.64**
11	Palam				**0.00**
12	IGNOU			14.54	**14.54**
13	R. K. Puram-I			10.07	**10.07**
14	Vasant Vihar			19.25	**19.25**
15	Pusp Vihar			10.44	**10.44**
16	Bhikaji Cama Place		10.08	10.07	**20.15**
		121.95	**30.19**	**180.31**	**332.45**
7	**Vasantkunj S/stn**	40.00		5.04	**45.04**
1	R. K. Puram-II			10.80	**10.80**
2	Vasant kunj C-Blk				**0.00**
3	Vasant kunj D-Blk			9.63	**9.63**
4	Ridge Valley				**0.00**
		40.00	**0.00**	**25.47**	**65.47**
8	**Okhla S/stn**	60.00	10.00	5.04	**75.04**
1	Balaji			10.80	**10.80**
2	East of Kailash			15.89	**15.89**
3	Alaknanda			16.30	**16.30**
4	Malviya Nagar	21.79	20.16	10.85	**52.80**
5	Masjid Moth			16.30	**16.30**
6	Nehru Place			21.34	**21.34**
7	Okhla Ph-I	21.79		16.30	**38.09**
8	Okhla Ph-II		20.93	15.47	**36.40**
9	Shivalik			10.80	**10.80**
10	Batra			15.90	**15.90**
11	VSNL			10.90	**10.90**
12	Siri Fort			10.49	**10.49**
13	Tuglakabad			18.05	**18.05**
		103.58	**51.09**	**194.43**	**349.10**
9	**Lodhi Road S/stn**			20.00	**20.00**
1	Defence Colony			14.85	**14.85**
2	Hudco			10.90	**10.90**
3	Lajpat Nagar			10.90	**10.90**
4	Nizamuddin			10.44	**10.44**
5	Vidyut Bhawan (Shahjahan Rd)			10.80	**10.80**
6	Ex. Gr. II			0.00	**0.00**
7	IHC			0.00	**0.00**
		0.00	**0.00**	**77.89**	**77.89**
10	**Sarita Vihar S/stn**	20.00		5.04	**25.04**
1	Sarita Vihar			10.07	**10.07**
2	MCIE			10.06	**10.06**
3	Mathura Road	20.16		11.69	**31.85**
4	Jamia Millia			10.89	**10.89**
5	Sarai Julena		10.08	16.29	**26.37**
6	Jasola			5.44	**5.44**
		40.16	**10.08**	**69.48**	**119.72**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
11	**Wazirabad**				
1	Bhagirathi		14.40	18.10	**32.50**
2	Ghonda	0.00	22.56	15.94	**38.50**
3	Seelam Pur		10.08	21.39	**31.47**
4	Dwarkapuri			15.46	**15.46**
5	Nandnagri	20.16		16.35	**36.51**
6	Yamuna Vihar			14.40	**14.40**
7	East of Loni Road			18.00	**18.00**
8	Shastri Park			10.90	**10.90**
9	Karawal Nagar			5.40	**5.40**
10	Sonia Vihar			14.70	**14.70**
		20.16	**47.04**	**150.64**	**217.84**
12	**Geeta Colony**				
1	Geeta Colony			10.49	**10.49**
2	Kanti Nagar			18.10	**18.10**
3	Kailash Nagar			15.48	**15.48**
4	Seelam Pur				**0.00**
5	Shakar Pur			10.80	**10.80**
		0.00	**0.00**	**54.87**	**54.87**
13	**Gazipur S/stn**	40.00		5.04	**45.04**
1	Dallupura	0.00		10.90	**10.90**
2	Vivek Vihar			9.57	**9.57**
3	GT Road			10.85	**10.85**
4	Kondli	20.16		10.85	**31.01**
5	MVR-I			10.90	**10.90**
6	MVR-II	20.16		10.44	**30.60**
7	PPG Ind. Area			10.06	**10.06**
8	New Kondli			21.60	**21.60**
		80.32	**0.00**	**100.21**	**180.53**
14	**Patparganj S/stn**	40.00	20.00	5.04	**65.04**
1	GH-I	19.89		21.25	**41.14**
2	GH-II	20.09		10.90	**30.99**
3	CBD		10.03	15.48	**25.51**
4	Guru Angad Nagar			15.49	**15.49**
5	Karkadooma		10.80	10.44	**21.24**
6	Preet Vihar			10.07	**10.07**
7	CBD-II			10.80	**10.80**
8	Shakarpur				**0.00**
9	Jhilmil			10.80	**10.80**
10	Dilshad Garden	20.16		16.35	**36.51**
11	Khichripur	21.79		15.89	**37.68**
12	Mother Dairy				**0.00**
13	Scope Building				**0.00**
14	Vivek Vihar				**0.00**
15	Akhardham			14.60	**14.60**
		121.93	**40.83**	**157.11**	**319.87**
15	**Najafgarh S/stn**	60.00		5.04	**65.04**
1	A4 Paschim Vihar			10.80	**10.80**
2	Nangloi	21.73		15.84	**37.57**
3	Nangloi W/W	20.89		10.85	**31.74**
4	Pankha Road			15.88	**15.88**
5	Jaffarpur			26.23	**26.23**
7	Inst. Area Janakpuri (Sagarpur)			17.60	**17.60**
8	Paschimpuri		10.05	15.47	**25.52**
9	Paschim Vihar	41.83		15.43	**57.26**
10	Mukherjee Park			20.83	**20.83**
11	Udyog Nagar			10.43	**10.43**
12	Choukhandi			10.07	**10.07**
13	DJB Najafgarh			21.60	**21.60**
		144.45	**10.05**	**196.07**	**350.57**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
16	**Pappankalan-I S/stn**	20.00		5.04	**25.04**
1	Bindapur Grid G-3 PPK	21.73		15.85	**37.58**
2	Bodella-I	20.10		16.24	**36.34**
3	Bodella-II	21.73		17.64	**39.37**
4	DC Janakpuri			10.03	**10.03**
5	G-2 PPK (Nasirpur)			16.20	**16.20**
6	G-5 PPK (Matiala)			22.71	**22.71**
7	G-6 PPK			12.60	**12.60**
8	G-15 PPK			10.80	**10.80**
9	Harinagar	21.18		16.25	**37.43**
10	Rewari line			5.44	**5.44**
		104.74	**0.00**	**148.80**	**253.54**
17	**BBMB Rohtak Road**				
1	S.B. Mill			10.07	**10.07**
2	Rama Road			10.88	**10.88**
3	Ram Pura			10.48	**10.48**
4	Rohtak Road			10.08	**10.08**
5	Vishal			10.40	**10.40**
6	Madipur			10.43	**10.43**
7	Sudershan Park			10.08	**10.08**
8	Kirti Nagar			5.44	**5.44**
		0.00	**0.00**	**77.86**	**77.86**
18	**Shalimarbagh S/stn**		40.00	6.00	**46.00**
1	S.G.T. Nagar			5.44	**5.44**
2	Ashok Vihar			0.00	**0.00**
3	Haiderpur			11.39	**11.39**
4	SMB FC			12.64	**12.64**
5	Rani Bagh			5.44	**5.44**
6	SMB KHOSLA			5.44	**5.44**
		0.00	**40.00**	**46.35**	**86.35**
19	**Subzimandi S/stn**			6.00	**6.00**
1	Shakti Nagar			5.04	**5.04**
2	Gulabibagh			10.88	**10.88**
3	Shahzadabagh			15.79	**15.79**
4	DU			5.44	**5.44**
5	Tripolia			10.88	**10.88**
6	B. G. Road			5.40	**5.40**
		0.00	**0.00**	**59.43**	**59.43**
20	**Narela S/stn**	40.00		5.04	**45.04**
1	A-7 Narela			10.88	**10.88**
2	Azad Pur			5.44	**5.44**
3	Badli	20.00		5.95	**25.95**
4	DSIDC Narela-1			5.95	**5.95**
5	GTK			5.94	**5.94**
6	Jahangirpuri	20.00	10.00	0.00	**30.00**
7	Bhalswa			12.64	**12.64**
8	Pitampura-I	20.00		5.04	**25.04**
9	RG-1			5.44	**5.44**
		100.00	**10.00**	**62.32**	**172.32**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
21	**Gopalpur S/stn**		30.00	5.04	**35.04**
1	Hudson Lane			5.95	**5.95**
2	Wazirabad			7.20	**7.20**
3	Indra Vihar			5.95	**5.95**
4	DIFR			5.44	**5.44**
5	GTK Road			5.44	**5.44**
6	Jahangirpuri		10.00	5.95	**15.95**
7	Civil lines			7.20	**7.20**
8	Pitam Pura-3			5.44	**5.44**
9	SGT Nagar			13.15	**13.15**
10	Tiggipur			10.88	**10.88**
11	Model Town			14.40	**14.40**
12	Azad Pur			5.44	**5.44**
13	Dheerpur			14.40	**14.40**
		0.00	**40.00**	**111.88**	**151.88**
22	**Rohini S/stn**	40.00		6.00	**46.00**
1	Rohini Sec-22			18.08	**18.08**
2	Rohini Sec-24			5.44	**5.44**
3	Rohini-3			5.95	**5.95**
4	Rohini-4			11.39	**11.39**
5	Rohini-5			11.39	**11.39**
6	Rohini-6			0.00	**0.00**
7	Mangolpuri-2	20.00		7.20	**27.20**
8	Pitam Pura-1			5.44	**5.44**
9	Pitam Pura-2			10.48	**10.48**
10	Rohini DC-1			14.40	**14.40**
11	AIR Kham pur			11.90	**11.90**
		60.00	**0.00**	**107.67**	**167.67**
23	**Kanjhawala S/stn**	20.00		5.04	**25.04**
1	Bawana Clear Water			14.30	**14.30**
2	Pooth Khoord	20.00		5.44	**25.44**
4	Rohini -2			13.15	**13.15**
		40.00	**0.00**	**37.93**	**77.93**
24	**BAWANA S/stn**				
1	Bawana S/stn No. 6			10.88	**10.88**
2	Bawana S/stn No. 7			7.20	**7.20**
		0.00	**0.00**	**18.08**	**18.08**
25	**Kashmeregate S/stn**			5.04	**5.04**
1	Civil lines			7.20	**7.20**
2	Town Hall			8.64	**8.64**
3	Fountain			5.45	**5.45**
		0.00	**0.00**	**26.33**	**26.33**
26	**Pappankalan-II**				
1	DMRC				**0.00**
2	HASTAL			21.60	**21.60**
3	GGSH			10.80	**10.80**
4	66kV G-4			21.60	**21.60**
		0.00	**0.00**	**54.00**	**54.00**
27	**Trauma Center (AIIMS)**				
1	AIIMS		13.26	5.04	**18.30**
2	Trauma Center			10.08	**10.08**
3	Netaji Nagar			15.12	**15.12**
4	Sanjay Camp			10.08	**10.08**
5	Kidwai Nagar			10.08	**10.08**
6	SJ Airport			5.04	**5.04**
7	Race Course			10.44	**10.44**
		0.00	**13.26**	**65.88**	**79.14**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
28	**MUNDKA**				
1	Mangolpuri-I			20.35	**20.35**
2	Rohini Sec-23	20.00		12.64	**32.64**
3	66kV Mundka			21.60	**21.60**
		20.00	**0.00**	**54.59**	**74.59**
29	**DSIDC BAWANA**				
1	DSIDC NRL-1	0.00			**0.00**
2	DSIDC NRL-2			16.32	**16.32**
3	Bawana Clear Water			7.30	**7.30**
4	Bawana-1			0.00	**0.00**
		0.00	**0.00**	**23.62**	**23.62**
30	**RIDGE VALLEY**				
1	Keventry Diary			10.08	**10.08**
2	Nehru Park			5.04	**5.04**
3	State Guest House			5.40	**5.40**
4	Bapu Dham			15.48	**15.48**
5	66kV Vasant Kunj Inst. Area			21.60	**21.60**
		0.00	**0.00**	**57.60**	**57.60**
31	**IP EXTN (PRAGATI)**				
1	Vidyut Bhawan			10.08	**10.08**
2	Dalhousie Road			5.04	**5.04**
3	National Archives			10.08	**10.08**
4	School Lane			10.44	**10.44**
		0.00	**0.00**	**35.64**	**35.64**
32	**Wazirpur**				
1	Tri Nagar			10.88	**10.88**
2	Wazirpur-1			17.18	**17.18**
3	Wazirpur-2			13.20	**13.20**
4	Ashok vihar			17.80	**17.80**
5	Azad Pur			5.44	**5.44**
6	GTK			4.80	**4.80**
		0.00	**0.00**	**69.30**	**69.30**
33	**Peeragarhi**				
1	Rani Bagh			5.44	**5.44**
2	Rani Bagh cc			9.60	**9.60**
		0.00	**0.00**	**15.04**	**15.04**
34	**Rohini-II**				
1	Rohini-6			**13.15**	**13.15**
2	Siraspur			**7.20**	**7.20**
		0.00	**0.00**	**20.35**	**20.35**

Utility	HT	LT	Total
BYPL	**905.23**	**102.00**	**1007.23**
BRPL	**1308.19**	**242.00**	**1550.19**
TPDDL	**830.90**	**119.00**	**949.90**
NDMC	**259.86**	**24.00**	**283.86**
DTL	**753.52**	**0.00**	**753.52**
IPGCL (RPH)	**20.00**	**0.00**	**20.00**
MES	**20.10**	**0.00**	**20.10**
TOTAL	**4097.80**	**487.00**	**4584.80**

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF DECEMBER 2017

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.12.17	03:40	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	1.12.17	08:36	AT RIDGE VALLEY : GOVERNER TRIP, AT TRAUMA CENTER : CKT. DID NOT TRIP.
2	1.12.17	07:10	VASANT KUNJ 66/11kV, 20MVA Tx-I	1.12.17	10:25	TR. TRIPPED ON OLTC, BUCHOLZ.
3	1.12.17	23:55	PATPARGANJ 220/66kV 100MVA Tx-I	1.12.17	23:57	TRIPPED WITHOUT INDICATION.
4	3.12.17	04:25	NARAINA 220/33kV 100MVA Tx-III	3.12.17	04:50	I/C -III TRIPPED E/F.
5	3.12.17	12:21	220kV PRAGATI - SARITA VIHAR CKT - I	3.12.17	16:26	AT SARITA VIHAR : DIST PROT, ZONE-II, DIST 13.75KM. AT PRAGATI : O/C, E/F, DIST PROT, ZONE-II, DIST 0.261KM.
6	7.12.17	13:22	KASHMIRI GATE 220/33kV 100MVA Tx-II	7.12.17	13:23	TRIPPED DURING PROTECTION TESTING.
7	9.12.17	03:58	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	9.12.17	17:20	TRIPPED ON BUCHOLZ.
8	9.12.17	17:29	400kV Dadri-Harsh Vihar Ckt-I	9.12.17	20:17	AT HARSH VIHAR : MAIN-I, DT.
9	10.12.17	13:28	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	10.12.17	13:42	I/C TRIPPED ON 51NX, 86.
10	10.12.17	13:28	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	10.12.17	13:48	I/C TRIPPED ON E/F.
11	11.12.17	19:57	220kV MEHRAULI - BTPS CKT. - II	12.12.17	17:27	AT MEHRAULI : DIST PROT, ZONE-I, DIST 13.45HRS. AT BTPS : DIST PROT, ZONE-I, DIST 6.5KM.
12	12.12.17	00:20	220kV MAHARANIBAGH-MASJID MOTH CKT-I	12.12.17	08:50	AT MASJID MOTH : SUPPLY FAIL.
13	12.12.17	00:20	MASJID MOTH 220/33kV 100MVA Tr-III	12.12.17	08:50	I/C -III TRIPPED WITHOUT INDICATION.
14	12.12.17	00:20	GAZIPUR 220/66kV 100MVA Tx-I	12.12.17	00:40	TR. TRIPPED WITHOUT INDICATION.
15	12.12.17	00:20	GAZIPUR 220/66kV 100MVA Tx-II	12.12.17	00:40	TR. TRIPPED WITHOUT INDICATION.
16	12.12.17	07:38	PAPPANKALAN-I 66/11kV, 20MVA Tx-II	12.12.17	10:20	TO ATTEND FLASH AT NEUTRAL AT LV SIDE.
17	12.12.17	10:40	RAJGHAT 220/33kV 100MVA Tx-I	12.12.17	11:40	TR. TRIPPED ON 186A&B, I/C TRIPPED ON 86.
18	12.12.17	18:49	220kV MEHRAULI - BTPS CKT. - II	13.12.17	16:30	AT MEHRAULI : DIST PROT, ZONE-I, DIST 13.35KM, ACTIVE GROUP-I, 186A&B. AT BTPS : DIST PROT, ZONE-I, DIST 6.44KM.
19	14.12.17	02:06	220kV BAWANA - KANJHAWALA CKT-2	14.12.17	08:49	AT BAWANA : DIST PROT, ZONE-I, DIST 3.67KM.
20	14.12.17	15:18	BAMNAULI 400/220kV 500MVA ICT-II	14.12.17	15:31	ICT TRIPPED ON 186 A&B, GROUP 1&2.
21	15.12.17	13:01	220kV BAMNAULI-PAPPANKALAN-I CKT-II	15.12.17	13:20	AT BAMNAULI : 186A&B, MAIN-2.
22	19.12.17	09:26	NARAINA 220/33kV 100MVA Tx-II	19.12.17	09:39	I/C TRIPPED ON E/F.
23	20.12.17	20:15	220kV GAZIPUR- PATPARGANJ CKT	20.12.17	21:05	AT GAZIPUR : TRIPPED ON O/C, DIST PROT
24	20.12.17	21:42	220kV BAMNAULI-PAPPANKALAN-I CKT-I	20.12.17	22:11	AT PAPANKALAN-I : SPS, 85RX.
25	20.12.17	21:42	220kV BAMNAULI-PAPPANKALAN-I CKT-I	20.12.17	22:11	AT PAPANKALAN-I : SPS, 85RX.
26	20.12.17	21:42	220kV BAMNAULI-PAPPANKALAN-I CKT-I	20.12.17	22:11	AT PAPANKALAN-I : SPS, 85RX.
27	20.12.17	21:42	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	20.12.17	22:16	I/C -IV TRIPPED ON O/C, E/F, 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
28	20.12.17	21:42	PAPPANKALAN-I 220/66KV 160MVA Tx-5	20.12.17	22:16	I/C TRIPPED ON 86.
29	26.12.17	12:00	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	26.12.17	12:20	AT I.P. : 86, O/C, I/C TRIPPED WITHOUT INDICATION.
30	30.12.17	10:00	GAZIPUR 220/66kV 160MVA Tx-I	30.12.17	10:40	TRIPPED WITHOUT INDICATION.
31	30.12.17	10:00	GAZIPUR 220/66kV 160MVA Tx-I	30.12.17	10:40	TRIPPED WITHOUT INDICATION.
32	31.12.17	02:49	220kV BAWANA - KANJHAWALA CKT-2	31.12.17	18:15	AT BAWANA : DIST PROT, ZONE-I, DIST 3.75KM. AT KHANJAWALA : WITHOUT INDICATION.
33	31.12.17	02:49	220kV BAWANA - KANJHAWALA CKT - 1	31.12.17	18:15	AT KHANJAWALA : DIST PROT, ZONE-I, DIST 4.26KM. AT BAWANA : SUPPLY FAIL.
34	31.12.17	05:20	OKHLA 66/11kV, 20MVA Tx-I	31.12.17	06:50	TRIPPED ON 86, O/C.
35	31.12.17	09:30	220kV BAMNAULI-PAPPANKALAN-II CKT-II	31.12.17	09:57	AT PAPANKALAN-II : TRIPPED ON AUTO RECLOSE LOCKOUT, CVT AVAILABLE.
36	31.12.17	22:55	220kV DSIIDC BAWANA-NARELA CKT-II	1.1.18	19:16	At Narela : Dist prot, Zone-I, 186 At DSIDC Bawana : Disc punchered

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF DECEMBER 2017

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	MODE	LOAD RELIEF IN MW
		OUT	IN				
12.12.17	1	00.19	00.23	PARK STREET	33KV ANAND PARVAT	FLAT MODE	6
	2	00.19	00.35	PARK STREET	66KV SHASTRI PARK, 33KV PARSAD NAGAR	--DO--	10
	3	00.19	00.20		33KV PUSA	--DO--	3
	4	00.19	00.21	PARK STREET	66KV RIDGE VELLEY	--DO--	20