

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

JULY 2017

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1 **SALIENT FEATURES OF DELHI POWER SYSTEM**

Sr. No.	Features	JUL. 2016	JUL. 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)	6342	6127
	Date	01.07.16	10.07.17
	Time	15.10.35	22.59.49
3	Peak Demand met (MW)	6261	6121
	Date	01.07.16	10.07.17
	Time	15.10.35	22.59.49
4	Peak Availability (MW)	6080	6009
5	Shortage (-) / Surplus (+) in MW	(-) 181	(-) 112
6	Percentage Shortage (-) / Surplus (+)	(-) 2.89	(-) 1.83
7	Maximum Energy Consume in a day (Mus)	126.447	125.573
8	Energy Consumed during the month	3306.948	3472.501
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
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	0.035	0.060
	BRPL	0.407	0.052
	BYPL	0.023	0.102
	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	0.465	0.214
B)	Due to Constraints in System in Mus		
	DTL	0.445	0.776
	NDPL	0.086	0.046
	BRPL	1.486	1.123
	BYPL	0.268	0.279
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.019	0.000
	Total	2.304	2.225
11	Grand Total in Mus	2.769	2.439

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JULY 2017

A) For the month of July 2017

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	RPH	0.000	0.242	-0.242	0.00	0.00
2.	GT	42.898	1.804	41.094	81.99	118.750
3.	PPCL	130.603	3.029	127.574	98.99	108.605
4.	BTPS	256.250	24.66	231.590	59.17	44.280
5.	Rithala	0.000	0.062	-0.062	86.30	59.04
6.	Bawana	338.269	11.249	327.020	91.57	583.043
7.	Towmcl	13.351	2.165	11.186	--	-
8.	EDWPCL	2.073	1.062	1.011	--	-
9.	DMSWL	9.467	1.712	7.755	--	-
	TOTAL	792.911	45.985	746.926	--	913.718

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jul. 2017	Availability (%) for Jul. 2017	PLF (%) for Jul. 2017	Cumulative Generation in MUs upto Jul. 2017 for the year 2017-18	Cumulative Availability in % upto Jul. 2017 for the year 2017-18	Cumulative PLF in % upto Jul. 2017 for the year 2017-18
RPH	135	-0.242	0.00	0.00	-1.017	0.00	-0.15
GT	270	41.094	81.99	21.05	185.094	79.32	23.88
PPCL	330	127.574	98.99	53.39	490.146	97.96	52.12
BTPS	705	231.590	59.17	49.30	638.024	58.55	46.13
Rithala	108	-0.062	86.30	0.00	-0.244	88.44	0.00
Bawana	1372	327.020	91.57	34.06	899.138	85.36	23.41
Towmcl	16	11.186	--	--	46.889	--	--
EDWPCL	--	1.011	--	--	3.871	--	--
DMSWL	--	7.755	--	--	31.031	--	--
TOTAL	2936	746.926	--	--	2292.932	--	--

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 Cooling 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 Excitation 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	Stopped due to low demand and high frequency
		22.7.17	12:16	31.7.17	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	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 Cooling 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	Stopped due to low demand and high frequency
22.7.17	18:59	31.7.17	23:59	Stopped due to low demand and high frequency		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	29.07.17	14.53	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		29.7.17	15:04	31.7.17	23:59	Machine stopped after taking trial test as there was no schedule from SLDC.

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 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	02.06.17	12.25	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		2.6.17	12:30	5.6.17	13:30	Machine stopped after testing as there was no schedule from SLDC on CCNG
		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 synchronise 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	31.7.17	23:59	Machine stopped due to low schedule from SLDC on CC Spot

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 Excitation alongwith Electrical trouble 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	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		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, differential 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	31.7.17	23:59	Machine stopped after taking trial and no schedule from 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

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 Cooling 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	Machine stopped as there was no schedule on CCNG
		7.6.17	09:45	14.6.17	16:58	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
		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	31.7.17	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 -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	31.07.17	23:59	machine stopped as there was no schedule on CC SPOT.

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		

(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			

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

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

(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	31.07.17	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	31.07.17	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	31.07.17	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

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	Stopped due to low demand and high frequency
		28.05.17	11.30	29.05.17	07.36	
		29.06.17	19.56	03.07.17	10.38	

(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	Stopped due to low demand and high frequency
		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	
		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	

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	Stopped due to low demand and high frequency
		03.06.17	12:04	05.07.17	13:47	
		23.07.17	13:57	24.07.17	16:19	

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	Stopped due to low demand and high frequency
		19.06.17	18:55	25.06.17	12:32	

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	31.07.17	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	31.07.17	23.59	Due to changeover the machine.

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 vacuum to drop rapidly and STG-2 tripped on Low Condenser Vacuum
		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	31.07.17	23.59	Stopped due to low demand and high frequency

(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	31.07.17	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	31.07.17	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	31.07.17	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 01.04.2016

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)
<u>NTPC STATIONS</u>							
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
Koldam HEP	800	120	56	53	0	0	53
TOTAL	10582	1422	2362	2069	0	0	2069
<u>NHPC</u>							
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
Dhaulti 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
<u>NPC</u>							
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
<u>SVJNL</u>							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
<u>THDC</u>							
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	18427	2110	3188	2846	0	0	2846
<u>Allocation from ER and Tala HEP</u>							
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
<u>Joint Venture</u>							
Jhajjar TPS	1500	114	643	577	0	0	577
<u>Ultra Mega Projects</u>							
Sasan	3960	0	446	383	0	0	383
Grand Total	29847	2377	4536	4023	0	0	4023

5 ALLOCATION OF POWER TO DISCOMS

A) ALLOCATION OF POWER TO VARIOUS LICENCEES 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 JULY 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
		RP H	GT	PPCL	Rithala	Bawana	Towmcl	East Delhi	DMS WL	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	15.27.08	0	66	146	0	298	14	3	7	165	699	4157	4178	-21	4856	0	4856
2	23.15.48	0	0	153	0	251	16	4	10	169	603	3904	3917	-13	4507	0	4507
3	22.58.49	0	66	150	0	304	10	4	8	364	906	4526	4544	-18	5432	0	5432
4	22.59.37	0	65	149	0	296	12	4	0	335	861	4931	4877	54	5792	4	5796
5	15.18.31	0	56	147	0	329	13	4	3	338	890	4741	4761	-20	5631	18	5649
6	15.18.20	0	65	148	0	489	16	4	12	329	1063	4509	4550	-41	5572	0	5572
7	15.22.39	0	65	148	0	494	16	4	11	333	1071	4450	4326	124	5521	0	5521
8	22.55.39	0	66	149	0	496	16	5	14	338	1084	4580	4598	-18	5664	9	5673
9	23.27.05	0	67	148	0	497	16	3	11	337	1079	4783	4731	52	5862	23	5885
10	22.59.49	0	66	150	0	496	18	1	12	327	1070	5051	4939	112	6121	6	6127
11	00.00.11	0	67	152	0	494	16	3	13	336	1081	4787	4802	-15	5868	3	5871
12	22.37.49	0	33	152	0	498	12	-2	5	336	1034	4216	4267	-51	5250	0	5250
13	23.07.58	0	66	151	0	493	15	-2	6	341	1070	4389	4347	42	5459	11	5470
14	23.06.29	0	38	151	0	497	16	-1	14	339	1054	4651	4701	-50	5705	0	5705
15	00.00.08	0	38	150	0	496	16	0	13	341	1054	4524	4542	-18	5578	0	5578
16	23.01.05	0	37	151	0	502	15	3	16	335	1059	4600	4679	-79	5659	0	5659
17	00.00.08	0	37	151	0	500	16	3	16	340	1063	4406	4429	-23	5469	5	5474
18	22.57.01	0	58	151	0	567	12	2	10	341	1141	4701	4712	-11	5842	0	5842
19	15.34.00	0	65	143	0	496	16	-2	14	338	1070	5013	4982	31	6083	2	6085
20	00.00.00	0	72	150	0	515	16	-3	14	344	1108	4627	4510	117	5735	20	5755
21	15.20.00	0	74	148	0	497	13	3	17	335	1087	4649	4497	152	5736	8	5744
22	00.00.11	0	75	151	0	495	14	1	11	337	1084	4407	4393	14	5491	19	5510
23	23.05.43	0	74	153	0	276	10	-1	9	328	849	4114	4066	48	4963	21	4984
24	15.23.37	0	74	150	0	290	11	-1	12	322	858	4172	4145	27	5030	0	5030
25	15.15.57	0	74	150	0	416	10	-1	6	323	978	4066	3990	76	5044	7	5051
26	22.49.51	0	74	152	0	416	11	-1	-1	329	980	4510	4343	167	5490	0	5490
27	15.20.46	0	37	258	0	420	11	-1	5	324	1054	4508	4355	153	5562	0	5562
28	15.47.30	0	35	254	0	454	11	-1	8	324	1085	4399	4387	12	5484	0	5484
29	23.08.29	0	35	263	0	419	11	-1	5	326	1058	4127	4131	-4	5185	0	5185
30	23.20.39	0	35	271	0	419	11	3	9	326	1074	4234	4204	30	5308	0	5308
31	00.00.19	0	36	262	0	419	11	3	9	333	1073	4073	4049	24	5146	0	5146

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JULY2017

Date	Time of peak demand	Generation within Delhi										Import from the Grid	Schedule from the Grid	OD(-)/UD(+)	Demand met	Shedding	Un-Restricted Demand
		RP H	GT	PPCL	Rithal a	Bawana	Towmel	East Delhi	DMS WL	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	15.27.08	0	66	146	0	298	14	3	7	165	699	4157	4178	-21	4856	0	4856
2	23.15.48	0	0	153	0	251	16	4	10	169	603	3904	3917	-13	4507	0	4507
3	22.58.49	0	66	150	0	304	10	4	8	364	906	4526	4544	-18	5432	0	5432
4	22.59.37	0	65	149	0	296	12	4	0	335	861	4931	4877	54	5792	4	5796
5	15.18.31	0	56	147	0	329	13	4	3	338	890	4741	4761	-20	5631	18	5649
6	15.18.20	0	65	148	0	489	16	4	12	329	1063	4509	4550	-41	5572	0	5572
7	15.22.39	0	65	148	0	494	16	4	11	333	1071	4450	4326	124	5521	0	5521
8	22.55.39	0	66	149	0	496	16	5	14	338	1084	4580	4598	-18	5664	9	5673
9	23.27.05	0	67	148	0	497	16	3	11	337	1079	4783	4731	52	5862	23	5885
10	22.59.49	0	66	150	0	496	18	1	12	327	1070	5051	4939	112	6121	6	6127
11	00.00.11	0	67	152	0	494	16	3	13	336	1081	4787	4802	-15	5868	3	5871
12	22.37.49	0	33	152	0	498	12	-2	5	336	1034	4216	4267	-51	5250	0	5250
13	23.07.58	0	66	151	0	493	15	-2	6	341	1070	4389	4347	42	5459	11	5470
14	23.06.29	0	38	151	0	497	16	-1	14	339	1054	4651	4701	-50	5705	0	5705
15	00.00.08	0	38	150	0	496	16	0	13	341	1054	4524	4542	-18	5578	0	5578
16	23.01.05	0	37	151	0	502	15	3	16	335	1059	4600	4679	-79	5659	0	5659
17	00.00.08	0	37	151	0	500	16	3	16	340	1063	4406	4429	-23	5469	5	5474
18	22.57.01	0	58	151	0	567	12	2	10	341	1141	4701	4712	-11	5842	0	5842
19	15.34.00	0	65	143	0	496	16	-2	14	338	1070	5013	4982	31	6083	2	6085
20	00.00.00	0	72	150	0	515	16	-3	14	344	1108	4627	4510	117	5735	20	5755
21	15.20.00	0	74	148	0	497	13	3	17	335	1087	4649	4497	152	5736	8	5744
22	00.00.11	0	75	151	0	495	14	1	11	337	1084	4407	4393	14	5491	19	5510
23	23.05.43	0	74	153	0	276	10	-1	9	328	849	4114	4066	48	4963	21	4984
24	15.23.37	0	74	150	0	290	11	-1	12	322	858	4172	4145	27	5030	0	5030
25	15.15.57	0	74	150	0	416	10	-1	6	323	978	4066	3990	76	5044	7	5051
26	22.49.51	0	74	152	0	416	11	-1	-1	329	980	4510	4343	167	5490	0	5490
27	15.20.46	0	37	258	0	420	11	-1	5	324	1054	4508	4355	153	5562	0	5562
28	15.47.30	0	35	254	0	454	11	-1	8	324	1085	4399	4387	12	5484	0	5484
29	23.08.29	0	35	263	0	419	11	-1	5	326	1058	4127	4131	-4	5185	0	5185
30	23.20.39	0	35	271	0	419	11	3	9	326	1074	4234	4204	30	5308	0	5308
31	00.00.19	0	36	262	0	419	11	3	9	333	1073	4073	4049	24	5146	0	5146

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

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

A (i) RPH	0.000
(ii) GT+STG	42.898
(iii) PRAGATI	130.603
(iv) RITHALA	0.000
(v) BAWANA CCGT	338.269
(vi) Timarpur – Okhla	13.351
EDWPCL	2.703
DMSWL	9.467
TOTAL	536.661
B) AVAILABILITY FROM BTPS	231.601
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	21.325
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	746.937

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	9.950	9.705	9.950	9.705
SALAL	54.775	53.423	54.775	53.423
SASAN	284.951	277.889	258.897	252.488
TANKAPUR	7.974	7.777	7.954	7.757
CHAMERA	31.143	30.374	31.143	30.374
CHAMERA -II	28.761	28.050	28.761	28.050
CHAMERA -III	21.134	20.612	21.134	20.612
DHAULIGANGA	25.906	25.264	25.906	25.264
SEWA -2	12.049	11.751	12.049	11.751
URI	38.230	37.284	38.215	37.269
URI-II	21.092	20.571	21.033	20.514
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	15.066	14.700	14.983	14.619
PARBATI3	24.394	23.792	24.286	23.687
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)	0.000	0.000	0.000	0.000
ANTA (LIQUID)	30.536	29.781	0.000	0.000
DADRI (GAS)	19.320	18.843	4.534	4.420
DADRI (RLNG)	0.000	0.000	0.000	0.000
DADRI (LIQUID)	43.009	41.944	0.000	0.000
AURAIYA (GAS)	0.000	0.000	0.000	0.000
AURAIYA (RLNG)	0.000	0.000	0.000	0.000
AURAIYA (LIQUID)	49.349	48.128	0.000	0.000
SINGRAULI	97.588	95.172	78.269	76.333
RIHAND -I	66.090	64.454	58.566	57.116
RIHAND -II	88.347	86.161	81.725	79.703
RIHAND -III	50.253	49.009	42.555	41.502
UNCHAHAR-I	14.886	14.518	8.498	8.289
UNCHAHAR-II	29.236	28.514	16.403	15.999
UNCHAHAR-III	19.723	19.235	11.144	10.869
DADRI (TH)	501.240	488.811	153.525	149.736
DADRI (TH) STAGE-II	499.122	486.739	301.713	294.262
NAPP	28.724	28.013	28.690	27.981
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	39.763	38.781	39.763	38.781
NATHPA JHAKRI	98.139	95.710	74.053	72.220
DULASTI	35.985	35.093	35.985	35.093
TEHRI	23.022	22.464	22.921	22.366
JHAJJAR	347.651	339.038	182.225	177.697
KHELGAON	31.670	30.885	11.554	11.268
KHELGAON-II	107.449	104.788	59.089	57.630
FARAKA	14.926	14.556	5.700	5.558

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
TALA	23.137	22.565	23.123	22.550
TALCHER	0.000	0.000	0.000	0.000
DVC	234.859	232.785	232.785	227.029
UTTRANCHAL	0.180	0.178	0.178	0.173
CHATTISHGARH	23.145	22.717	22.717	22.139
MEGHALAYA	37.539	37.109	37.109	36.179
GOA	4.361	4.324	4.324	4.215
ANDHRA	8.671	8.602	8.602	8.388
MADHYA PRADESH	10.317	10.229	10.229	9.973
METHON POWER(NDPL)LT-06	122.116	121.037	121.037	118.044
DVC MEJIA (LT-08)(BYPL)	65.708	65.127	65.127	63.515
URS	2.117	2.066	2.117	2.066
JAMMU & KASHMIR	132.453	131.581	131.581	128.325
HIMACHAL PRADESH	372.752	367.487	367.487	358.364
ASSAM	10.076	10.011	10.011	9.762
WEST BENGAL	4.022	3.987	3.987	3.885
ORISSA	48.743	48.312	48.312	47.104
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	39.947	39.684	39.684	38.704
KERALA	6.146	6.082	6.082	5.928
MANIPUR	0.847	0.838	0.838	0.816
RAJASTHAN(SOLAR) BRPL-LT36	3.465	3.416	3.416	3.331
RAJASTHAN(SOLAR) BYPL - LT-35	3.415	3.367	3.367	3.283
RAJASTHAN(SOLAR) TPDDL LT-31	3.347	3.300	3.300	3.218
TO JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-2.755	-2.827	-2.827	-2.899
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO GOA	0.000	0.000	0.000	0.000
TO BIHAR	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO TAMILNAIDU	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-0.749	-0.759	-0.759	-0.777
TO HARYANA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	37.239	36.319	37.239	36.319
TO POWER EXCHANGE (IEX)	-122.044	-125.148	-122.044	-125.148
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)	-32.314	-33.137	-32.314	-33.137
TO SHARE PROJECT (PUNJAB)	-32.169	-32.988	-32.169	-32.988
TOTAL	3816.026	3728.094	2758.534	2680.703

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	1508.701	1471.309	756.930	738.229
NTPC - ER	154.045	150.229	76.342	74.457
NHPC	311.393	303.698	311.190	303.501
NPC	68.487	66.794	68.453	66.761
SASAN	284.951	277.889	258.897	252.488
KOTESHWAR	15.066	14.700	14.983	14.619
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	98.139	95.710	74.053	72.220
TEHRI	23.022	22.464	22.921	22.366
TALA	23.137	22.565	23.123	22.550
JHAJJAR	347.651	339.038	182.225	177.697
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.465	3.416	3.416	3.331
RAJASTHAN SOLAR(BYPL)T-35	3.415	3.367	3.367	3.283
RAJASTHAN SOLAR(TPDDL)T-31	3.347	3.300	3.300	3.218
DVC	234.859	232.785	232.785	227.029
UTTRANCHAL	0.180	0.178	0.178	0.173

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
CHATTISHGARH	23.145	22.717	22.717	22.139
MEGHALAYA	37.539	37.109	37.109	36.179
GOA	4.361	4.324	4.324	4.215
ANDHRA	8.671	8.602	8.602	8.388
MADHYA PRADESH	10.317	10.229	10.229	9.973
METHON POWER (NDPL)-LT-06	122.116	121.037	121.037	118.044
DVC MEJIA (LT-08)(BYPL)	65.708	65.127	65.127	63.515
URS	2.117	2.066	2.117	2.066
JAMMU & KASHMIR	132.453	131.581	131.581	128.325
HIMACHAL PRADESH	372.752	367.487	367.487	358.364
ASSAM	10.076	10.011	10.011	9.762
WEST BENGAL	4.022	3.987	3.987	3.885
ORISSA	48.743	48.312	48.312	47.104
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	39.947	39.684	39.684	38.704
KERALA	6.146	6.082	6.082	5.928
MANIPUR	0.847	0.838	0.838	0.816
POWER EXCHANGE(IEX)	37.239	36.319	37.239	36.319
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	4006.057	3922.952	2948.647	2875.651

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	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO UTTARANCHAL	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-2.755	-2.827	-2.827	-2.899
TO GOA	0.000	0.000	0.000	0.000
TO BIHAR	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO TAMILNAIDU	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-0.749	-0.759	-0.759	-0.777
TO HARYANA	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-122.044	-125.148	-122.044	-125.148
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-32.314	-33.137	-32.314	-33.137
TO SHARE PROJECT (PUNJAB)	-32.169	-32.988	-32.169	-32.988
TOTAL	-190.031	-194.858	-190.113	-194.948
TOTAL SCHEDULED DRAWAL FROM THE GRID	3816.026	3728.094	2758.534	2680.703

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		3493.826
NET CONSUMPTION		3472.501
AVAILABILITY WITHIN DELHI		746.937
ACTUAL DRAWAL FROM THE GRID		2725.564
OVER DRAWAL (+)/UNDER DRAWAL (-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		44.861
LOAD SHEDDING		2.439
UNRESTRICTED DEMAND (GROSS)		3496.265
UNRESTRICTED DEMAND (NET)		3474.940
MAX. NET CONSUMPTION		125.573 ON 10.07.2017
MAX. LOAD SHEDDING		273MW ON 16.07.2017 AT 20.30HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	6083MW AT 15.34HRS ON 19.07.2017	2 MW
EVENING PEAK	6121MW AT 22.59.49HRS ON 10.07.2017	6 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA BAWANA Timarpur Okhla EDWPCL DMSWL	00.00% 21.36% 53.19% 0.00% 33.16% 112.16% 23.22% 53.02%

SHEDDING DETAILS DURING THE MONTH OF JULY 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.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.102	0.052	0.008	0.000	0.000
04.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052	0.000	0.000
25.Jul.17	0	0.000	0.000	0.0001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.Jul.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.Jul.17	0	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	0.102	0.052	0.060	0.000	0.000

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VIOLATION				DUE TO NEW GRID CODE REGULATION DEVIATION			Shedding due to Transmission/Grid Constraints in Central sector stations				Total 24=8 to 23	Total shedding due to grid restrictions 25=7+24
	BSES		NDPL	NDMC	BSES		TPDDL	BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL		BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23		
01.Jul.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.Jul.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.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.162	0.162
04.Jul.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.Jul.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.Jul.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.Jul.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.Jul.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.Jul.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.Jul.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
11.Jul.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.Jul.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
13.Jul.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.Jul.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.Jul.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
16.Jul.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.Jul.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.Jul.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.Jul.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.Jul.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.Jul.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.Jul.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.Jul.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.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052	0.052
25.Jul.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.Jul.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.Jul.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.Jul.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.Jul.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.Jul.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.Jul.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	0.214	0.214

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.Jul.17	0.000	0.000	0.000	0.000	0.000	0.014	0.029	0.000	0.000
02.Jul.17	0.000	0.000	0.000	0.000	0.000	0.037	0.000	0.000	0.000
03.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.066	0.000	0.000
04.Jul.17	0.001	0.000	0.057	0.000	0.000	0.057	0.060	0.005	0.000
05.Jul.17	0.000	0.090	0.000	0.000	0.000	0.008	0.059	0.000	0.000
06.Jul.17	0.002	0.000	0.003	0.000	0.000	0.000	0.022	0.000	0.000
07.Jul.17	0.008	0.007	0.032	0.000	0.000	0.000	0.017	0.000	0.000
08.Jul.17	0.028	0.000	0.000	0.000	0.000	0.000	0.109	0.000	0.000
09.Jul.17	0.000	0.000	0.000	0.000	0.000	0.027	0.026	0.004	0.000
10.Jul.17	0.000	0.056	0.000	0.000	0.000	0.026	0.077	0.000	0.000
11.Jul.17	0.000	0.004	0.002	0.000	0.000	0.000	0.080	0.001	0.000
12.Jul.17	0.000	0.070	0.000	0.000	0.000	0.000	0.016	0.000	0.000
13.Jul.17	0.044	0.000	0.000	0.000	0.000	0.010	0.051	0.000	0.000
14.Jul.17	0.000	0.000	0.017	0.000	0.000	0.006	0.001	0.000	0.000
15.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000
16.Jul.17	0.000	0.143	0.001	0.000	0.000	0.001	0.005	0.003	0.000
17.Jul.17	0.000	0.000	0.000	0.000	0.000	0.025	0.023	0.000	0.000
18.Jul.17	0.004	0.022	0.000	0.000	0.000	0.000	0.065	0.000	0.000
19.Jul.17	0.000	0.000	0.007	0.000	0.000	0.000	0.077	0.006	0.000
20.Jul.17	0.000	0.000	0.000	0.000	0.000	0.002	0.059	0.001	0.000
21.Jul.17	0.000	0.000	0.006	0.000	0.000	0.026	0.058	0.000	0.000
22.Jul.17	0.000	0.005	0.008	0.000	0.000	0.010	0.007	0.000	0.000
23.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.075	0.002	0.000
24.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.005	0.000
25.Jul.17	0.000	0.000	0.002	0.000	0.000	0.006	0.003	0.000	0.000
26.Jul.17	0.056	0.010	0.011	0.000	0.005	0.000	0.000	0.000	0.000
27.Jul.17	0.005	0.004	0.033	0.000	0.005	0.011	0.022	0.004	0.000
28.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.001	0.000
29.Jul.17	0.000	0.028	0.000	0.000	0.000	0.000	0.065	0.001	0.000
30.Jul.17	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000
31.Jul.17	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000
TOTAL	0.148	0.439	0.179	0.000	0.010	0.279	1.123	0.033	0.000

ALL FIGURES IN MUs

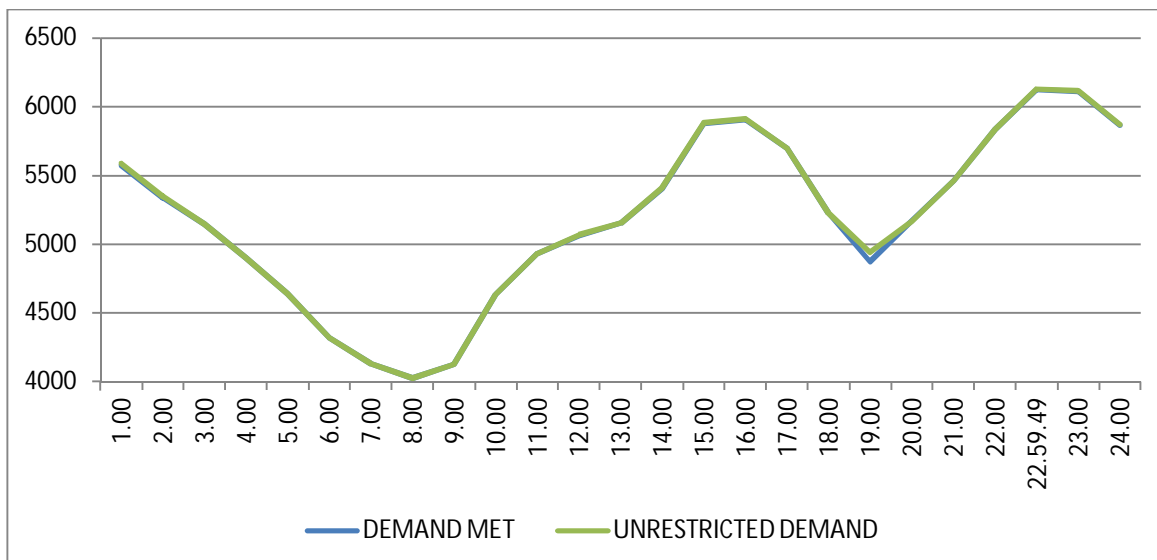
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043	0.043
02.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.037
03.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.075	0.237
04.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.180	0.180
05.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.157	0.157
06.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027
07.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.064	0.064
08.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.137	0.137
09.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.057
10.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.160	0.160
11.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.087	0.087
12.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.086	0.086
13.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.105	0.105
14.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.024
15.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
16.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.153	0.153
17.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.048
18.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.091	0.091
19.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.090
20.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.062	0.062
21.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.090
22.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
23.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.077	0.077
24.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.022	0.074
25.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
26.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.082	0.082
27.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.084	0.084
28.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
29.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.094	0.094
30.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
31.Jul.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.013	2.225	2.439

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCURRENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-RESTRICTED DEMAND	MAXIMUM UN-RESTRICTED 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.Jul.17	99.736	4869	15:27:08	0	4869	4869	15:27:08	4869	0
02.Jul.17	92.581	4507	23:15:48	0	4507	4507	23:15:48	4507	0
03.Jul.17	106.976	5432	22:58:49	0	5432	5432	22:58:49	5432	0
04.Jul.17	116.824	5792	22:59:37	4	5796	5796	22:59:37	5792	4
05.Jul.17	116.488	5631	15:18:31	18	5649	5649	15:18:31	5631	18
06.Jul.17	117.835	5572	15:18:20	0	5572	5572	15:18:20	5572	0
07.Jul.17	109.299	5521	15:22:39	0	5521	5521	15:22:39	5521	0
08.Jul.17	112.194	5664	22:55:39	9	5673	5673	22:55:39	5664	9
09.Jul.17	115.359	5862	23:27:05	23	5885	5885	23:27:05	5862	23
10.Jul.17	125.573	6121	22:59:49	6	6127	6127	22:59:49	6121	6
11.Jul.17	121.088	5868	0:00:11	3	5871	5871	0:00:11	5868	3
12.Jul.17	109.057	5250	22:37:49	0	5250	5250	22:37:49	5250	0
13.Jul.17	113.861	5459	23:07:58	11	5470	5470	23:07:58	5459	11
14.Jul.17	113.755	5705	23:06:29	0	5705	5705	23:06:29	5705	0
15.Jul.17	112.778	5578	00:00:08	0	5578	5578	00:00:08	5578	0
16.Jul.17	112.113	5659	23:01:05	0	5659	5659	23:01:05	5659	0
17.Jul.17	114.822	5469	00:00:08	5	5474	5474	00:00:08	5469	5
18.Jul.17	115.384	5842	22:57:01	0	5842	5842	22:57:01	5842	0
19.Jul.17	124.672	6083	15:34	2	6085	6085	15:34	6083	2
20.Jul.17	118.215	5735	00:00:00	20	5755	5755	00:00:00	5735	20
21.Jul.17	118.355	5730	15:20:00	8	5738	5738	15:20:00	5730	8
22.Jul.17	110.887	5491	00:00:11	19	5510	5510	00:00:11	5491	19
23.Jul.17	100.946	4963	23:05:43	21	4984	4984	23:05:43	4963	21
24.Jul.17	104.819	5030	15:23:37	0	5030	5030	15:23:37	5030	0
25.Jul.17	106.394	5044	15:15:57	7	5051	5051	15:15:57	5044	7
26.Jul.17	109.266	5490	22:49:51	0	5490	5490	22:49:51	5490	0
27.Jul.17	113.777	5562	15:20:46	0	5562	5562	15:20:46	5562	0
28.Jul.17	115.738	5484	15:47:30	0	5484	5484	15:47:30	5484	0
29.Jul.17	110.313	5185	23:08:29	0	5185	5185	23:08:29	5185	0
30.Jul.17	104.488	5308	23:20:39	0	5308	5308	23:20:39	5308	0
31.Jul.17	108.908	5146	00:00:19	0	5146	5146	00:00:19	5146	0
TOTAL	3472.501	6121	22:59:49	6	6127	6127	22:59:49	6121	6
		10.07.17			10.07.17				

10 **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JULY 2017 ON 10.07.2017- 6121MW AT 22.59.49HRS.**

All figures in MW

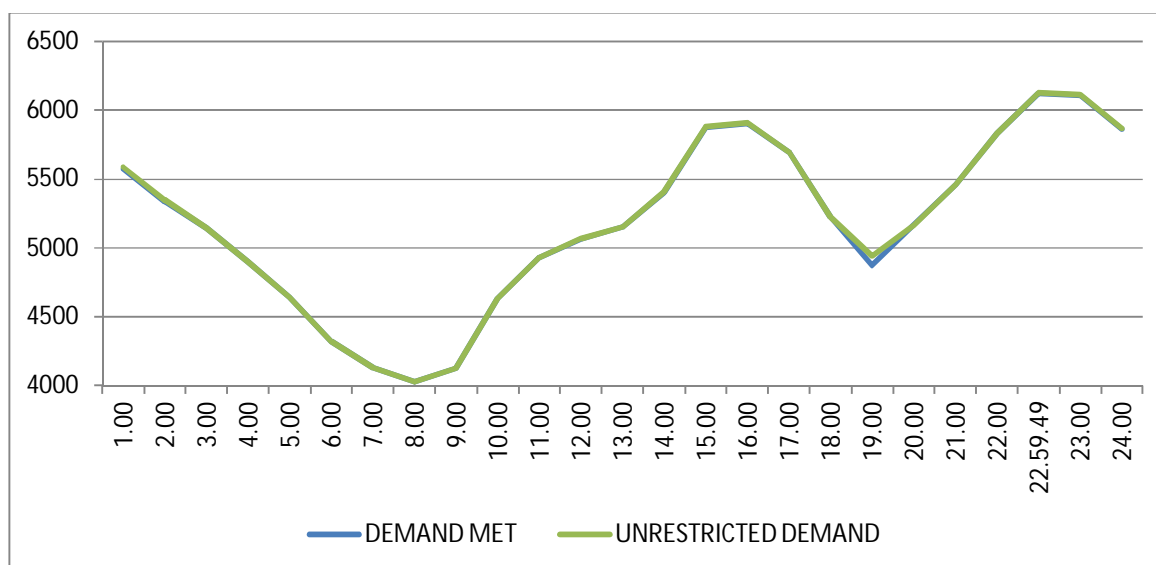
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5573	14	5587
2.00	5339	9	5348
3.00	5143	0	5143
4.00	4899	1	4900
5.00	4641	0	4641
6.00	4320	0	4320
7.00	4132	0	4132
8.00	4027	0	4027
9.00	4125	0	4125
10.00	4633	0	4633
11.00	4932	0	4932
12.00	5063	7	5070
13.00	5155	0	5155
14.00	5404	4	5408
15.00	5880	3	5883
16.00	5905	3	5908
17.00	5696	0	5696
18.00	5226	0	5226
19.00	4872	71	4943
20.00	5169	0	5169
21.00	5462	0	5462
22.00	5832	0	5832
22.59.49	6121	6	6127
23.00	6108	6	6114
24.00	5865	3	5868
Total (IN MUS)	125.573	0.160	125.733



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JULY 2017 ON 10.07.2017-6127MW AT 22.59.49HRS.

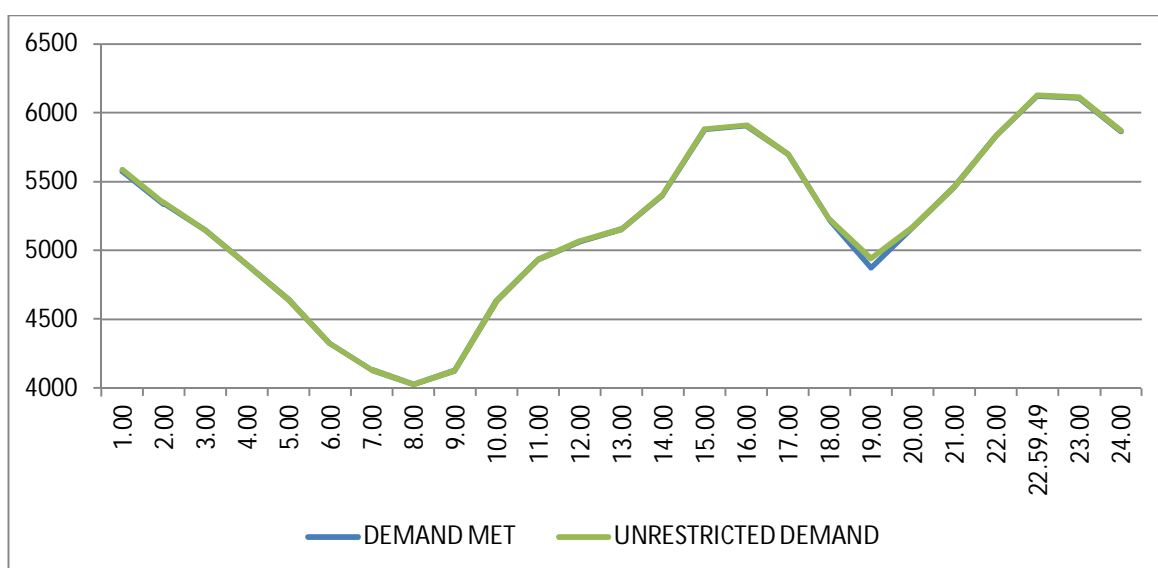
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5573	14	5587
2.00	5339	9	5348
3.00	5143	0	5143
4.00	4899	1	4900
5.00	4641	0	4641
6.00	4320	0	4320
7.00	4132	0	4132
8.00	4027	0	4027
9.00	4125	0	4125
10.00	4633	0	4633
11.00	4932	0	4932
12.00	5063	7	5070
13.00	5155	0	5155
14.00	5404	4	5408
15.00	5880	3	5883
16.00	5905	3	5908
17.00	5696	0	5696
18.00	5226	0	5226
19.00	4872	71	4943
20.00	5169	0	5169
21.00	5462	0	5462
22.00	5832	0	5832
22.59.49	6121	6	6127
23.00	6108	6	6114
24.00	5865	3	5868
Total (IN MUS)	125.573	0.160	125.733



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JULY 2017 – 10.07.2017 – 125.573Mus All figures in MW

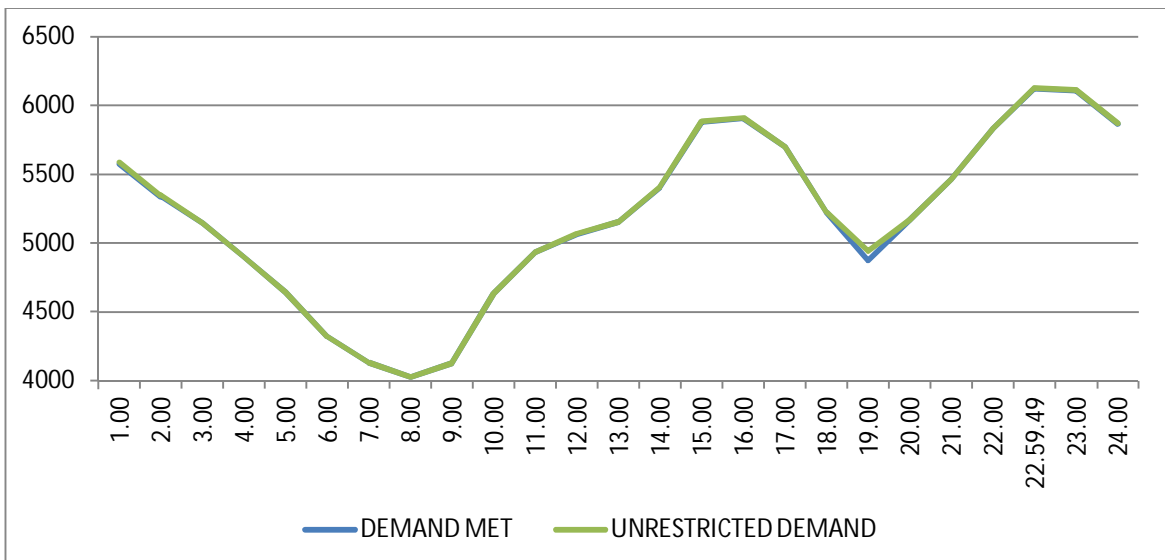
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5573	14	5587
2.00	5339	9	5348
3.00	5143	0	5143
4.00	4899	1	4900
5.00	4641	0	4641
6.00	4320	0	4320
7.00	4132	0	4132
8.00	4027	0	4027
9.00	4125	0	4125
10.00	4633	0	4633
11.00	4932	0	4932
12.00	5063	7	5070
13.00	5155	0	5155
14.00	5404	4	5408
15.00	5880	3	5883
16.00	5905	3	5908
17.00	5696	0	5696
18.00	5226	0	5226
19.00	4872	71	4943
20.00	5169	0	5169
21.00	5462	0	5462
22.00	5832	0	5832
22.59.49	6121	6	6127
23.00	6108	6	6114
24.00	5865	3	5868
Total (IN MUS)	125.573	0.160	125.733



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JULY 2017 – 10.07.2017 – 125.733 Mus

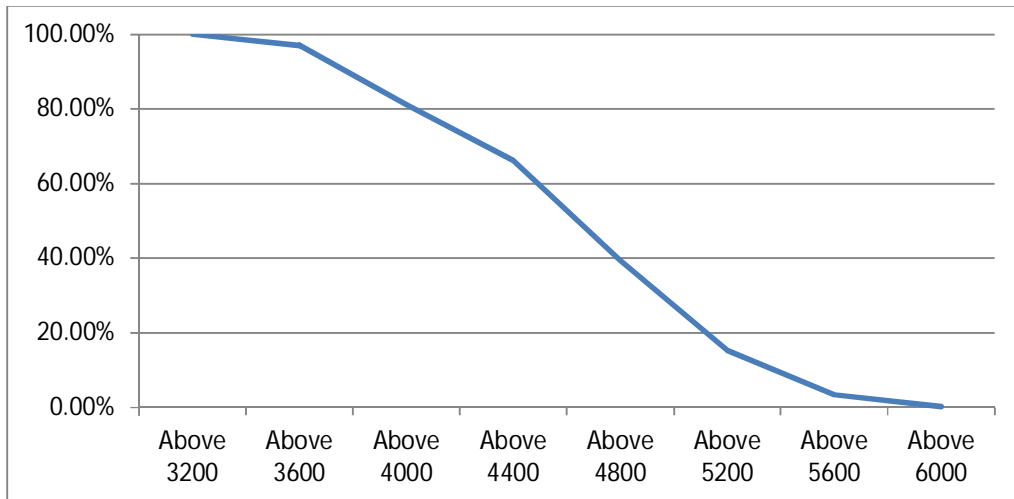
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5573	14	5587
2.00	5339	9	5348
3.00	5143	0	5143
4.00	4899	1	4900
5.00	4641	0	4641
6.00	4320	0	4320
7.00	4132	0	4132
8.00	4027	0	4027
9.00	4125	0	4125
10.00	4633	0	4633
11.00	4932	0	4932
12.00	5063	7	5070
13.00	5155	0	5155
14.00	5404	4	5408
15.00	5880	3	5883
16.00	5905	3	5908
17.00	5696	0	5696
18.00	5226	0	5226
19.00	4872	71	4943
20.00	5169	0	5169
21.00	5462	0	5462
22.00	5832	0	5832
22.59.49	6121	6	6127
23.00	6108	6	6114
24.00	5865	3	5868
Total (IN MUS)	125.573	0.160	125.733



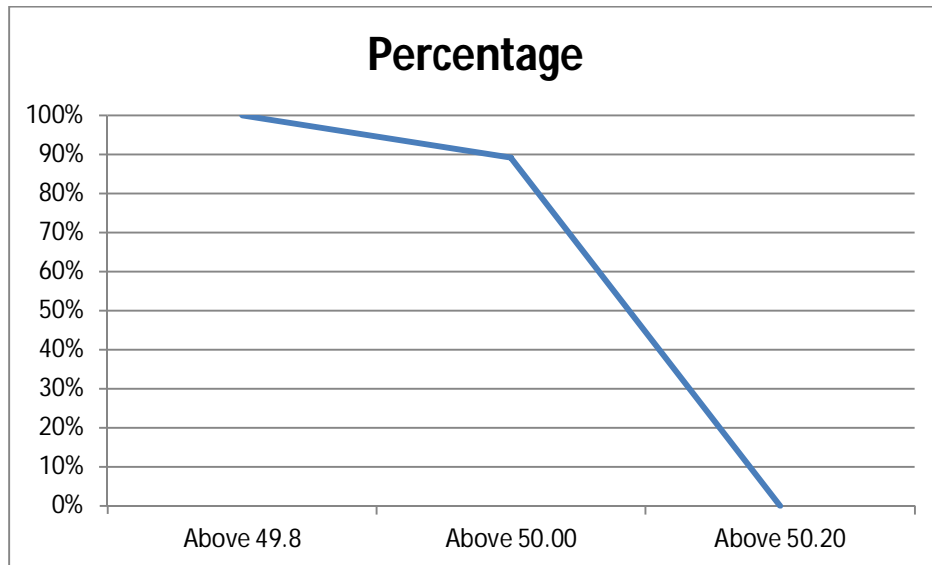
14 LOAD DURATION CURVE FOR JULY 2017

Load in MW	Percentage of Time
Above 3200	99.97%
Above 3600	97.08%
Above 4000	81.25%
Above 4400	66.26%
Above 4800	39.55%
Above 5200	15.29%
Above 5600	3.46%
Above 6000	0.27%



FREQUENCY ANALYSIS FOR THE MONTH OF JULY 2017

Frequency Range in Hz.	Percentage of time
Above 49.8	100.00
Above 50.00	89.15
Above 50.20	0.10



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Jul.17	229.95	214.73	234.46	216.41
02.Jul.17	231.75	213.83	237.94	219.63
03.Jul.17	228.92	214.34	233.69	217.05
04.Jul.17	215.12	215.12	234.33	214.73
05.Jul.17	215.12	215.12	231.49	216.02
06.Jul.17	225.43	215.12	233.95	214.60
07.Jul.17	227.88	211.89	233.04	217.18
08.Jul.17	227.63	214.60	232.01	217.57
09.Jul.17	226.08	211.76	231.88	218.47
10.Jul.17	226.72	213.31	230.21	213.05
11.Jul.17	226.98	216.28	230.46	214.60
12.Jul.17	226.21	214.47	232.01	219.76
13.Jul.17	224.79	214.08	232.53	216.02
14.Jul.17	225.56	213.31	230.46	216.66
15.Jul.17	226.72	215.37	232.01	219.50
16.Jul.17	226.85	214.08	232.66	219.76
17.Jul.17	226.59	217.82	232.40	220.92
18.Jul.17	227.63	213.83	233.95	216.66
19.Jul.17	225.30	210.21	230.21	213.05
20.Jul.17	230.59	213.05	236.01	214.47
21.Jul.17	226.08	212.67	232.78	213.95
22.Jul.17	225.95	214.60	232.78	220.79
23.Jul.17	227.63	216.41	233.95	222.47
24.Jul.17	226.08	216.66	233.30	219.24
25.Jul.17	226.34	214.73	233.04	217.57
26.Jul.17	226.08	213.95	232.01	216.41
27.Jul.17	225.43	211.76	231.75	218.34
28.Jul.17	225.43	213.83	231.37	218.56
29.Jul.17	226.34	214.47	227.37	227.37
30.Jul.17	226.34	215.53	227.37	227.37
31.Jul.17	227.37	217.95	227.37	227.37

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jul.17	407.30	08.02	387.84	12.52	397.65
02.Jul.17	415.04	06.41	385.73	19.44	401.50
03.Jul.17	411.99	07.59	388.78	20.21	399.334
04.Jul.17	411.09	06.51	387.61	14.55	399.98
05.Jul.17	409.88	03.59	388.78	14.52	400.13
06.Jul.17	412.70	07.50	386.67	22.20	400.40
07.Jul.17	408.94	04.01	386.67	14.47	397.99
08.Jul.17	408.71	07.01	387.61	21.16	397.16
09.Jul.17	408.94	08.01	382.68	23.07	397.77
10.Jul.17	407.54	07.03	385.03	14.26	397.23
11.Jul.17	406.37	17.31	385.73	22.10	397.82
12.Jul.17	411.52	08.01	386.67	22.16	399.90
13.Jul.17	412.70	08.00	385.50	14.43	398.87
14.Jul.17	409.88	07.02	386.67	23.15	396.95
15.Jul.17	409.18	07.35	387.61	23.05	396.42
16.Jul.17	409.88	07.59	386.20	22.22	399.43
17.Jul.17	410.35	06.03	391.12	11.13	400.60
18.Jul.17	403.08	00.20	386.90	23.06	399.99
19.Jul.17	404.25	07.52	377.99	14.20	391.44
20.Jul.17	416.92	07.02	383.85	00.02	395.38
21.Jul.17	407.77	06.02	381.51	14.51	395.11
22.Jul.17	409.18	07.54	388.78	23.06	398.38
23.Jul.17	412.23	07.01	389.95	00.07	402.64
24.Jul.17	413.40	05.20	389.01	14.34	399.41
25.Jul.17	410.82	07.04	383.85	14.41	398.20
26.Jul.17	407.54	07.47	382.21	14.21	396.14
27.Jul.17	408.01	08.00	384.32	14.19	397.27
28.Jul.17	407.77	07.02	387.61	23.27	396.40
29.Jul.17	409.88	06.04	386.43	00.16	398.17
30.Jul.17	411.52	06.36	389.01	22.10	400.46
31.Jul.17	409.18	18.02	390.89	11.52	398.99

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jul.17	416.21	07.44	394.41	14.28	405.18
02.Jul.17	418.56	07.02	391.12	19.45	406.36
03.Jul.17	414.81	08.01	391.36	14.19	400.65
04.Jul.17	411.99	07.02	389.95	14.59	399.83
05.Jul.17	411.06	04.00	391.36	14.53	401.65
06.Jul.17	412.46	07.25	392.76	14.48	402.12
07.Jul.17	410.82	06.58	390.19	14.49	401.19
08.Jul.17	409.88	07.02	390.42	14.34	399.18
09.Jul.17	408.71	08.02	387.84	23.07	398.89
10.Jul.17	407.54	06.58	387.61	14.26	398.29
11.Jul.17	407.77	07.03	392.30	14.26	399.74
12.Jul.17	410.82	08.01	395.11	22.14	402.68
13.Jul.17	411.06	07.57	391.59	22.06	401.20
14.Jul.17	408.71	07.02	389.95	19.43	398.33
15.Jul.17	409.18	07.05	392.06	21.49	399.31
16.Jul.17	408.71	07.59	392.76	00.05	401.46
17.Jul.17	406.83	18.01	395.58	19.36	398.86
18.Jul.17	411.06	05.32	391.36	14.52	401.43
19.Jul.17	406.60	07.54	388.08	14.44	397.56
20.Jul.17	414.81	07.58	389.72	00.03	399.70
21.Jul.17	407.77	06.01	389.01	14.54	398.11
22.Jul.17	406.60	18.05	391.59	00.05	399.94
23.Jul.17	411.29	18.01	393.94	00.09	403.12
24.Jul.17	409.88	05.19	393.70	14.42	401.12
25.Jul.17	407.54	07.04	390.42	14.42	399.37
26.Jul.17	406.37	07.48	388.08	14.19	397.74
27.Jul.17	404.49	08.01	389.25	14.19	397.43
28.Jul.17	405.19	06.03	389.72	14.32	396.64
29.Jul.17	403.30	07.38	388.78	00.06	398.27
30.Jul.17	408.94	18.43	393.47	00.07	400.97
31.Jul.17	409.18	06.37	396.28	19.36	401.71

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
		0.00	50.16	85.08	135.24
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		10.90	5.45	16.35
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	30.90	113.33	164.23
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			10.48	10.48
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			5.04	5.04
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	163.61	315.75
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			10.85	10.85
		103.58	51.09	187.23	341.90
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	21.79	22.56	15.94	60.29
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
		41.95	47.04	150.64	239.63
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	28.80		10.90	39.70
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
		109.12	0.00	78.61	187.73
14	Patparganj S/stn	40.00	20.00	5.04	65.04
1	GH-I	19.89		10.45	30.34
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	146.31	309.07
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			15.43	15.43
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	185.27	339.77

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)			10.80	10.80
6	G-5 PPK (Matiala)			15.51	15.51
7	G-6 PPK			5.40	5.40
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	129.00	233.74
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			5.95	5.95
10	Tiggipur			10.88	10.88
11	Model Town			14.40	14.40
12	Azad Pur			5.44	5.44
		0.00	40.00	90.28	130.28
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
		0.00	0.00	32.40	32.40
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	20.00			20.00
2	DSIDC NRL-2			16.32	16.32
3	Bawana Clear Water			7.30	7.30
4	Bawana-1			14.40	14.40
		20.00	0.00	38.02	58.02
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
		0.00	0.00	36.00	36.00
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
		0.00	0.00	13.15	13.15

Utility	HT	LT	Total
BYPL	901.18	102.00	1003.18
BRPL	1264.49	242.00	1506.49
TPDDL	820.34	119.00	939.34
NDMC	253.74	24.00	277.74
DTL	753.52	0.00	753.52
IPGCL (RPH)	20.00	0.00	20.00
MES	20.10	0.00	20.10
TOTAL	4033.37	487.00	4520.37

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.7.17	13:02	220kV GAZIPUR - BTPS CKT	1.7.17	16:32	AT BTPS : E/F, DIST PROT, ZONE-I, DIST 2.72KM. AT GAZIPUR : CB OFF.
2	1.7.17	16:08	220kV MEHRAULI - BTPS CKT. - II	1.7.17	20:02	AT MEHRAULI : DIST PROT, ZONE-I, DIST 4.114KM. AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I,E/F.
3	2.7.17	14:01	PRAGATI 220/66kV 160MVA Tx-I	2.7.17	14:15	INTERTRIPPING FOLLOWING THE 66kV BUS BAR PROT. OPERATION AT G.T.STN. DUE TO SNAPPING R PHASE JUMPER OF 66kV SCHOOL LANE CKT.-I.
4	2.7.17	14:01	PRAGATI 220/66kV 160MVA Tx-II	2.7.17	14:17	--DO--
5	2.7.17	14:53	NARELA 66/33kV, 30MVA Tx	2.7.17	15:17	TR. TRIPPED ON PRV TROUBLE.
6	2.7.17	17:46	220KV BAWANA-SHALIMARBAGH CKT-I	2.7.17	18:32	AT BAWANA :WITHOUT INDICATION AT SHALIMARBAGH CKT. DID NOT TRIP.
7	3.7.17	20:10	GOPALPUR 33/11kV, 16MVA Tx-I	3.7.17	21:10	TRIPPED WITHOUT INDICATION.
8	4.7.17	10:30	NARELA 66/33kV, 30MVA Tx	4.7.17	12:07	BUCHHOLZ RELAY, PRV RELAY.
9	4.7.17	15:19	SUBZI MANDI 220/33kV 100MVA Tx-II	4.7.17	15:29	86
10	4.7.17	15:09	220kV GOPALPUR- MANDOLACKT-I	4.7.17	15:38	AT GOPALPUR : DIST PROT, ZONE-I, 9.5KM. AT MANDOLA : DIST PROT, ZONE-I, B PHASE.
11	5.7.17	07:57	BAMNAULI 400/220kV 315MVA ICT-I	5.7.17	17:23	DIFFEENTIAL TRIP, RYB PHASE, 186A&B. 220KV I/C TRIPPED ON O/C, 167A, A PHASE. R PHASE LA BLAST LA SIDE.
12	5.7.17	07:57	220kV BAMNAULI - PAPANKALAN-II CKT.-I.	5.7.17	08:10	AT PAPANKALAN-II, DIST PROT, Z-1, A-N PHASE, DIST. 3.9KM. AT BAMNAULI : CKT. DID NOT TRIP.
13	5.7.17	14:38	PATPARGANJ 220/33kV 100MVA Tx-IV	5.7.17	16:15	80B, 86B, OVER FLUX. I/C TRIPPED ON 86.
14	5.7.17	16:50	MASJID MOTH 220/33kV 100MVA Tx-II	5.7.17	17:30	E/F, 86. 220KV BUS COUPLER TRIPPED ON NON DIRECTIONAL E/F, 86.
15	5.7.17	16:50	220kV MAHARANIBAGH-MASJID MOTH CKT-I	5.7.17	17:30	AT MAHARANI BAGH : GEN TRIP, R&B PHASE. AT MASJID MOTH : CKT. DID NOT TRIP.
16	6.7.17	21:24	NARAINA 220/33kV 100MVA Tx-III	7.7.17	12:40	WITHOUT INDICATION. TRIP COMMAND INITIATED DUE TO DC LEAKAGE AND SHORTING OF CONTROL CABLE.
17	7.7.17	12:50	NARAINA 220/33kV 100MVA Tx-III	7.7.17	13:40	I/C-II TRIPPED ON O/C, E/F, TR. TRIPPED ON O/C, E/F., BUS COUPLER TRIPPED ON E/F.
18	7.7.17	12:50	NARAINA 220/33kV 100MVA Tx-I	7.7.17	13:40	I/C-I TRIPPED ON E/F, TR. TRIPPED WITHOUT INDICATION.
19	7.7.17	12:50	NARAINA 220/33kV 100MVA Tx-II	7.7.17	13:40	I/C-II GOT DAMAGED, TR. TRIPPED WITHOUT INDICATION, BUS COUPLER TRIPPED ON E/F.
20	7.7.17	12:50	NARAINA 33kV MAYAPURI CKT-II	7.7.17	15:00	TRIPPED WITH WHILE I/C I, II & III AND TR. I, II & III ALONGWITH 33KV BUS COUPLER.
21	7.7.17	18:43	220kV PRAGATI - SARITA VIHAR CKT - I	7.7.17	19:20	AT PRAGATI : DIST PROT, ZONE -I, DIST 7.360, ACTIVE GROUP -I, START PHASE CN, TRIP PHASE C. AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 6.554, PHASE C.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
22	8.7.17	10:22	GAZIPUR 220/66kV 100MVA Tx-II	9.7.17	12:39	66KV I/C TRIPPED ON 86, 51T, 51N ALONGWITH 66KV KONDLI CKT.-II TRIPPED ON DIST PROT, ZONE-I, DIST 0.9KM, O/C.
23	8.7.17	10:22	GAZIPUR 220/66kV 160MVA Tx-I	9.7.17	12:39	66KV I/C TRIPPED ON TRIP RELAY UNHEALTHY, GEN TRIP, O/C, VT FUSE FAIL ALONGWITH BUS COUPLER TRIP ON E/F AND PPG INDUSTRIAL AREA TRIP ON DIST PROT, O/C, E/F, 186, ZONE-I, II, IV DIST 0.7KM.
24	8.7.17	10:40	PATPARGANJ 220/66kV 100MVA Tx-I	8.7.17	10:45	I/C TRIPPED ON O/C.
25	8.7.17	10:25	220kV BAMNAULI - DIAL CKT-I	8.7.17	18:34	AT BAMNAULI : DIFFERENTIAL TRIP, B PHASE 186 A&B. AT DIAL : DIST PROT, ZONE-I, LIFE DIFFERENTIAL PROTECTION TRIP, UNDER VOLTAGE, B&R PHASE TRIP.
26	9.7.17	11:25	220kV DSIIDC BAWANA-NARELA CKT-I	9.7.17	14:29	AT DSIIDC BAWANA : R PHASE, 86. AT NARELA : DIFFERENTIAL INTER TRIP.
27	9.7.17	12:52	220kV NARELA - MANDOLA CKT-I	9.7.17	14:42	AT NARELA : DIST PROT, ZONE-I, DIST 4.8KM, 186, R PHASE. AT MANDOLA : DIST PROT, ZONE-I, DIST 15.11KM, R PHASE.
28	9.7.17	14:02	220kV GAZIPUR - BTPS CKT	9.7.17	16:46	AT BTPS : DIST PROT, ZONE-I, DIST 19.00KM, R PHASE, E/F. AT AT GAZIPUR : CKT. DID NOT TRIP.
29	10.7.17	07:03	KANJHAWALA 220/66kV 100MVA Tx-I	10.7.17	07:15	I/C TRIPPED ON 51N, 86 ALONGWITH 66KV POOTHKHURD CKT. WHICH TRIPPED ON DIFFERENTIAL, O/C, E/F, DIST PROT, ZONE-I, B PHASE.
30	10.7.17	18:35	220kV MEHRAULI - BTPS CKT. - II	10.7.17	19:36	AT MEHRAULI : DIST PROT, DIST 5.33KM, CN PHASE TRIP PHASE ABC. AT BTPS : DIST PROT, ZONE-I, DIST 0.136KM, ALONGWITH 66KV MALVIYA NAGAR CKT. I&II, 66KV C DOT CKT. I & II TRIPPED.
31	11.7.17	11:15	MEHRAULI 66/11kV, 20MVA Tx-I	11.7.17	13:05	TRIPPED ON 86. I/C TRIPPED WITHOUT INDICATION.
32	11.7.17	12:45	220kV MEHRAULI - BTPS CKT. - I	11.7.17	16:19	AT MEHRAULI : DIST PROT, ZONE-I, DIST 7.848KM, TRIP PHASE C. AT BTPS : DIST PROT, ZONE-II, DIST 17KM, B PHASE.
33	11.7.17	15:40	220KV BAWANA-SHALIMARBAGH CKT-I	11.7.17	22:05	AT SHALIMARBAGH : DIST PROT, DIFFERENTIAL. AT BAWANA : DIST PROT, ZONE-I, DIST 6.951KM, 86. B PHASE LA DAMAGED.
34	11.7.17	18:45	SARITA VIHAR 220/66kV 100MVA Tx-III	11.7.17	23:45	E/F.
35	12.7.17	16:06	OKHLA 220/33kV 100MVA Tx-IV	12.7.17	16:15	TRIPPED ON 96E ALONGWITH 33KV OKHLA PHASE -II CKT. -II WHICH TRIPPED WITHOUT INDICATION.
36	12.7.17	16:06	OKHLA 220/33kV 100MVA Tx-V	12.7.17	16:15	TRIPPED ON 96E ALONGWITH 33KV OKHLA PHASE -II CKT. -II WHICH TRIPPED WITHOUT INDICATION.
37	12.7.17	16:06	OKHLA 220/33kV 100MVA Tx-III	12.7.17	16:15	TRIPPED ON 96E ALONGWITH 33KV OKHLA PHASE -II CKT. -II WHICH TRIPPED WITHOUT INDICATION.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
38	12.7.17	06:44	220kV BAMNAULI-PAPPANKALAN-II CKT-I	12.7.17	07:09	AT PAPANALAN-II : DIST PROT, ZONE-I, DIST 1.6KM, DIFFERENTIAL TRIP, 86 ALONGWITH 220KV BUS COUPLER TRIP ON 86, O/C, E/F. AT BAMNAULI : DIST PROT, ZONE-I, DIST 7.31KM.
39	12.7.17	16:05	220kV MEHRAULI - BTPS CKT. - II	12.7.17	21:07	AT MEHRAULI : DIST PROT, ZONE-I, DIST 2.95KM, E/F, R PHASE. AT BTPS : DIST PROT, DIST 13.99KM, R PHASE. SPS OPERATED ON 66KV MALVIYA NAGAR CKT. I&II & 66KV CDOT CKT. I&II
40	12.7.17	16:06	220kV OKHLA - BTPS CKT. - II	12.7.17	16:15	AT OKHLA : TRIPPED WITHOUT INDICATION. AT BTPS : CKT DID NOT TRIP 33KV OKHLA PHASE -II CKT. -II TRIPPED WITHOUT INDICATION.
41	13.7.17	10:45	PATPARGANJ 220/33kV 100MVA Tx-III	13.7.17	11:20	I/C TRIPPED ON 67A, 67N. ALONGWITH 33KV CBD SHAHDRA CKT. WHICH TRIPPED ON E/F, 86.
42	13.7.17	10:45	PATPARGANJ 220/33kV 100MVA Tx-IV	13.7.17	11:25	86B, 51N, ALONGWITH I/C TRIPPED ON 51N, 51A, 86. 33KV CBD SHAHDRA CKT. ALSO TRIPPED ON E/F, 86.
43	14.7.17	20:15	220kV GEETA COLONY- PATPARGANJ CKT-I	14.7.17	22:11	AT PATPARGANJ : DIST PROT, ZONE-I, DIST 3.42KM, 186. AT GEETA COLONY : DIST PROT, DIST 1.064KM, TRIP PHASE ABC.
44	15.7.17	13:17	WAZIRABAD 66/11kV, 20MVA Tx-III	15.7.17	14:29	86, DIFFERENTIAL RELAY, REF, I/C INTER TRIPPED.
45	16.7.17	06:42	SHALIMAR BAGH 220/66kV 100MVA Tx-I	16.7.17	07:15	64LV, REF LV ALONGWITH I/C TRIPPED ON 86.
46	16.7.17	06:57	GAZIPUR 220/66kV 100MVA Tx-II	16.7.17	09:05	GEN TRIP, PRV ALONGWITH I/C TRIPPED ON 86.
47	16.7.17	09:45	GAZIPUR 220/66kV 100MVA Tx-II	16.7.17	14:13	DIFFERENTIAL, GENERAL TRIP, PRV TRIP.
48	16.7.17	12:31	MASJID MOTH 220/33kV 100MVA Tr-III	16.7.17	12:36	TRIPPED WITHOUT INDICATION WHILE PROTECTION TEAM WAS WORKING ON TR. - I.
49	16.7.17	12:37	400kV Dadri-Harsh Vihar Ckt-I	16.7.17	13:30	AT HARSH VIHAR : DIST PROT, ZONE-II, B PHASE TRIP. AT DADRI : DIST PROT, ZONE-I, DIST 9.0KM, B PHASE.
50	16.7.17	18:11	220kV MAHARANI BAGH - LODHI ROAD CKT-II	16.7.17	20:56	AT MAHARANI BAGH : DIST PROT, ZONE-III, ABC PHASE. CKT. WAS ON NO LOAD.
51	16.7.17	18:11	220kV MAHARANI BAGH - PRAGATI CKT	16.7.17	18:32	AT PRAGATI : DIST PROT, ZONE-I, DIST 1.946KM. AT MAHARANI BAGH : CKT. DID NOT TRIP.
52	16.7.17	20:29	PAPPANKALAN-I 220/66kV 100MVA Tx-II	16.7.17	20:51	I/C TRIPPED ON O/C, TR. TRIPPED ON O/C.
53	16.7.17	20:29	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	16.7.17	20:51	TR. TRIPPED ON O/C.
54	16.7.17	20:29	PAPPANKALAN-I 220/66kV 160MVA Tx-I	16.7.17	20:51	TR. TRIPPED ON O/C.
55	16.7.17	20:53	PAPPANKALAN-I 220/66kV 100MVA Tx-II	16.7.17	21:02	TR. TRIPPED ON O/C.
56	16.7.17	20:53	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	16.7.17	21:02	TR. TRIPPED ON O/C.

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	DATE	TIME		DATE	TIME	
57	16.7.17	20:53	PAPPANKALAN-I 220/66kV 160MVA Tx-I	16.7.17	21:02	TR. TRIPPED ON O/C.
58	17.7.17	22:33	220kV GAZIPUR - BTPS CKT	18.7.17	08:44	AT BTPS : DIST PROT, ZONE-I, DIST 14.5KM, R PHASE, E/F. AT GAZIPUR : CKT. DID NOT TRIP.
59	18.7.17	11:10	WAZIRABAD 220/66kV 160MVA Tx-I	18.7.17	11:19	DC LEAKAGE JERK.
60	18.7.17	12:48	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	18.7.17	12:57	RELAY MALFUNCTIONING WHILE CONDUCTING TESTS ON O/C RELAY BY PROTECTION DEPTT.
61	18.7.17	12:48	PAPPANKALAN-I 220/66kV 160MVA Tx-3	18.7.17	12:57	RELAY MALFUNCTIONING WHILE CONDUCTING TESTS ON O/C RELAY BY PROTECTION DEPTT.
62	18.7.17	12:24	220kV MEHRAULI - BTPS CKT. - II	18.7.17	16:25	AT MEHRAULI : DIST PROT, ZONE-I, DIST 12.74KM, TRIP PHASE AB. AT BTPS DIST PROT, ZONE-I, DIST 4.1KM.
63	19.7.17	14:22	NARAINA 33/11kV, 16MVA Tx-II	19.7.17	16:17	TRIPPED ON R&B PHASE, O/C AND I/C TRIPPED ON R&B PHASE O/C. 11KV FEEDERS AFFECTED MAGGO-II, KRIBI PLACE CKT. -II, OLD NAGAL, A BLOC SHOPPING CENTER, NARAINA VILLAGE & GOPI NATH BAZAR.
64	19.7.17	18:04	220kV GEETA COLONY- PATPARGANJ CKT -II	19.7.17	20:04	AT GEETA COLONY : DIST PROT, ZONE-II, DIST 5.40KM, TRIP PHASE C. AT PATPARGANJ : DIST PROT, ZONE-I, DIST 2.939, E/F, O/C.
65	20.07.17	06:38	MASJID MOTH 220/33kV 100MVA Tx-I	20.7.17	13:10	33KV I/C-I TRIPPED ON TROUBLE ALARM.
66	21.7.17	07:53	RIDGE VALLEY 220/66kV 160MVA Tx-I	21.7.17	09:05	86A, 86B, CB TROUBLE, WTI LB ALARM. ON 66KV SIDE GEN TRIP, O/C, R PHASE, O/C TRIP.
67	21.7.17	13:40	220kV GAZIPUR - BTPS CKT	21.7.17	16:14	AT BTPS :DIST PROT, ZONE-I, DIST 6.1KM, E/F.
68	21.7.17	19:42	220kV GOPALPUR- MANDOLACKT-I	21.7.17	20:02	AT GOPALPUR : DIST PROT, MAIN-II, RYB PHASE. AT MANDOLA DIST PROT, ZONE-I, DIST 17.86KM.
69	21.7.17	21:29	220KVBAWANA- ROHINI-2 CKT-I	21.7.17	22:02	AT ROHINI-II :GROUP A&B INDICATIONS, CVT AVAILABLE.
70	22.7.17	11:00	OKHLA 33kV NEHRU PLACE CKT-II	22.7.17	20:35	Y PHASE CB CLAMP MELT DUE TO HEAVY SPARKING.
71	22.7.17	11:25	WAZIRABAD 220/66kV 100MVA Tx-II	22.7.17	13:45	CHECK TRIP CKT. FAULTY.
72	22.7.17	12:17	GOPALPUR 220/33kV 100MVA Tx-III	22.7.17	20:32	I/C TRIPPED ON 51X. ON 33KV WAZIRABAD CKT. -I E/F, 86, O/C RELAY APPEARED BUT CB DID NOT TRIPPED.
73	22.7.17	15:25	220kV MEHRAULI - BTPS CKT. - II	22.7.17	16:02	AT MEHRAULI : DIST PROT, DIST 14.31KM, TRIP PHASE ABC. AT BTPS : DIST PROT, ZONE-I, DIST 13.9KM.
74	24.7.17	11:45	GAZIPUR 66kV VIVEK VIHAR CKT-I (PPG INDUSTRIAL AREA)	24.7.17	14:46	AT GAZIPUR : CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 0.9KM, PERMIT WAS GIVEN TO J.E.(DTL) ALONGWITH BYPL.
75	25.7.17	06:46	SHALIMAR BAGH 33/11kV, 16MVA Tx-I	25.7.17	06:57	DIFFERENTIAL AND 86, I/C TRIPPED WITHOUT INDICATION.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
76	26.7.17	13:18	PREETVIHAR 220/33kV 100MVA Tx-I	26.7.17	14:58	I/C TRIPPED WHILE WHILE CHECKING GAS LEAKAGE IN CHAMBER.
77	26.7.17	13:18	220kV Preet Vihar- Patparganj Ckt. -I	26.7.17	13:58	AT PREET VIHAR : TRIPPED WHILE CHECKING GAS LEAKAGE IN CHAMBER. AT PATPARGANJ : CKT DID NOT TRIPPED.
78	26.7.17	13:18	220kV Harsh Vihar - Preet Vihar Ckt-I	26.7.17	13:56	AT PREET VIHAR : TRIPPED WHILE CHECKING GAS LEAKAGE IN CHAMBER. AT HARSH VIHAR : TRIPPED ON MAIN-I, 81, RYB PHASE.
79	26.7.17	14:30	220KVBAWANA- ROHINI CKT-I	26.7.17	16:55	AT BAWANA : DIST PROT, ZONE-I, DIST 7.8KM, AT ROHINI : BAWANA CKT. -I TRIPPED ON 86ABC, ON BAWANA -I, AT ROHINI : SHALIMARBAGH CKT. -I TRIPPED ON DIST PROT, ZONE-I, 186A&B. AT SHALIMARBAGH : INTERTRIP RELAY RELAY APPEARED AT SHALIMARBAGH.
80	26.7.17	15:03	220kV BAMNAULI-NAJAFGARH CKT-II	26.7.17	15:29	AT BAMNAULI : DIST PROT, DIST 6.195KM. 86, ABC.
81	26.7.17	23:57	NARAINA 220/33kV 100MVA Tx-II	27.7.17	04:05	I/C TRIPPED ON O/C, R PHASE.
82	26.7.17	23:57	NARAINA 220/33kV 100MVA Tx-I	STILL OUT		TRIPPED ON 195ABC, 295ABC, DC SUPERVISION AND TRIP SUPERVISION.TR. BURNT DUE TO FIRE,
83	27.7.17	13:16	220kV BAMNAULI - DIAL CKT-II	27.7.17	15:16	AT BAMNAULI : DIST PROT, ZONE-I, DIST 1.96KM, DIFFERENTIAL TRIP. AT DIAL : DIST PROT, DIST 4.8KM, B PHASE FAULTY, B PHASE TRIP.
84	27.7.17	14:48	220kV GAZIPUR - BTPS CKT	27.7.17	16:55	AT BTPS : DIST PROT, ZONE-I, DIST 13.3KM.
85	27.7.17	16:58	220kV MAHARANI BAGH - LODHI ROAD CKT-II	27.7.17	18:57	AT MAHARANI BAGH : DIST PROT, ZONE-I, ZONE-II.
86	29.7.17	06:20	VASANT KUNJ 220/66kV 100MVA Tx-II	29.7.17	07:55	I/C TRIPPED ON 51N, E/F, 86.
87	29.7.17	06:20	VASANT KUNJ 66/11kV, 20MVA Tx-I	29.7.17	09:10	86, 64R&Y PHASE. I/C TRIPPED ON INTERTRIP.
88	29.7.17	06:20	VASANT KUNJ 220/66kV 100MVA Tx-III	29.7.17	08:15	TR. TRIPPED ON 51A, O/C, 86. I/C TRIPPED ON 51A, O/C, E.F 51N.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	MODE	LOAD RELIEF IN MW
		OUT	IN				
				NIL			