

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

JUL - 2018

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1 **SALIENT FEATURES OF DELHI POWER SYSTEM**

Sr. No.	Features	JUL 2017	JUL 2018
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)	6127	7016
	Date	10.07.17	10.07.18
	Time	22.59.49	15.26.49
3	Peak Demand met (MW)	6121	7016
	Date	10.07.17	10.07.18
	Time	22.59.49	15.26.49
4	Peak Availability (MW)	6009	7024
5	Shortage (-) / Surplus (+) in MW	(-) 112	(+) 8
6	Percentage Shortage (-) / Surplus (+)	(-) 1.83	(+) 0.11
7	Maximum Energy Consume in a day (Mus)	125.573	140.397
8	Energy Consumed during the month	3472.501	3682.297
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	0.060	0.000
	BRPL	0.052	0.009
	BYPL	0.102	0.000
	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	0.214	0.009
B)	Due to Constraints in System in Mus		
	DTL	0.776	0.363
	NDPL	0.046	0.396
	BRPL	1.123	1.866
	BYPL	0.279	0.132
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.027
	Total	2.225	2.784
11	Grand Total in Mus	2.439	2.793

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JUL 2018

A) For the month of Jul 2018

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	73.833	2.560	71.273	73.90	72.462
3.	PPCL	191.850	4.657	187.193	92.27	32.912
4.	BTPS	245.705	22.993	222.712	59.41	51.336
5.	Rithala	0.000	0.062	-0.062	--	--
6.	Bawana	279.226	11.105	268.121	69.78	425.036
7.	Towmcl	12.757	1.934	10.823	--	--
8.	EDWPCL	1.835	0.751	1.084	--	--
9.	DMSWL	10.442	1.982	8.460	--	--
	TOTAL	815.648	46.286	769.362	--	--

B) For the Year 2018-19 (Upto Jul 2018)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jul 2018	Availability (%) for Jul 2018	PLF (%) for Jul 2018	Cumulative Generation in MUs upto Jul 2018 for the year 2018-19	Cumulative Availability in % upto Jul 2018 for the year 2018-19	Cumulative PLF in % upto Jul 2018 for the year 2018-19
RPH	135	-0.242	0.00	0.00	-0.918	0.00	0.00
GT	270	71.273	73.90	36.71	273.476	71.87	35.82
PPCL	330	187.193	92.27	78.45	699.531	86.43	74.44
BTPS	705	222.712	59.41	48.06	728.597	60.31	39.33
Rithala	108	-0.062	--	--	-0.244	--	--
Bawana	1372	268.121	69.78	27.95	1229.963	62.17	31.98
Towmcl	16	10.823	--	--	46.379	--	--
EDWPCL	--	1.084	--	--	7.289	--	--
DMSWL	--	8.460	--	--	40.728	--	--
TOTAL	2936	769.362	--	--	3024.801	--	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2018

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	1.4.18	00:00	4.4.18	06:44	Machine stopped as per SLDC message due to low demand on CCNG
		17.4.18	00:45	17.4.18	13:25	Machine tripped on Heavy jerk from the system and came on FSNL
		8.5.18	12:33	19.5.18	19:27	Machine stopped due to changeover to GT#5.and not started due to no demand from SLDC.
		23.5.18	08:24	23.5.18	15:02	Machine tripped on CRT got blank.
		26.5.18	12:23	27.5.18	19:25	Machine tripped on heavy jerk and there was a CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	29.5.18	19:47	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		2.6.18	09:20	4.6.18	19:37	Machine stopped as per SLDC as no schedule on CCNG
		30.6.18	08:14	30.6.18	08:35	Machine came on FSNL due to tripping of 160 MVA Transformer due to grid disturbance.
		3.7.18	21:07	4.7.18	23:12	Machine stopped as per SLDC message due to low demand on CCNG.
		5.7.18	15:50	5.7.18	17:30	Machine tripped on electrical fuse failure. Electrical trouble normal shutdown.
		29.7.18	00:04	30.7.18	11:12	Machine stopped as per SLDC message due to low demand on CCNG.
		30.7.18	20:10	31.7.18	23:59	Machine stopped due to heavy smoke below turbine.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	17.4.18	00:45	17.4.18	03:40	Machine tripped on Heavy jerk from the system and came on FSNL
		18.4.18	05:40	18.4.18	07:49	Machine tripped on Exhaust Temperature High
		13.5.18	19:45	13.5.18	20:20	Machine came on FSNL due to jerk in system.
		16.5.18	03:18	16.5.18	04:00	Machine tripped on lub oil temp high.
		26.5.18	08:05	27.5.18	19:25	Machine tripped on TAD High. Later machine cleared and continued on no load to attend leakage in CW line .PTW cancelled on 27.05.2018 at 19:25 hrs.
		27.5.18	19:25	29.5.18	21:17	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		2.6.18	09:15	4.6.18	11:35	Machine stopped as per SLDC as no schedule on CCNG
		26.6.18	23:23	27.6.18	00:10	Machine tripped on T communication link inoperative.
		27.6.18	12:46	27.6.18	18:00	Machine stopped to replace faulty transformer by C&I div.
		30.6.18	07:40	30.6.18	12:46	Machine stopped as per SLDC as no schedule on CCNG
		3.7.18	21:10	5.7.18	06:48	Machine stopped as per SLDC message due to low demand on CCNG.
		30.7.18	23:32	31.7.18	23:59	Machine stopped as per SLDC message due to low demand on CCNG.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	1.4.18	00:00	4.4.18	07:20	Machine stopped as per SLDC message due to low demand on CCSpot
		9.4.18	13:45	13.4.18	13:32	Machine stopped as per SLDC message due to low demand on CCSpot. Started for Testing Black Start
		13.4.18	14:40	15.4.18	17:05	Machine stopped as per SLDC message due to low demand on CCSpot. Started for Trial RUN
		15.4.18	17:10	16.4.18	02:18	Machine stopped as per SLDC message due to low demand on CCSpot
		24.4.18	11:00	27.4.18	18:50	Machine stopped as per SLDC message due to low demand on CCSpot
		29.4.18	00:03	12.05.18	00:20	Machine stopped as per SLDC message due to low demand on CCSpot
		13.5.18	19:45	13.5.18	21:04	Machine came on FSNL due to jerk in system.
		14.5.18	00:00	21.5.18	21:50	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		23.5.18	16:08	24.5.18	00:17	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	29.5.18	12:55	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		29.5.18	20:22	04.06.18	11.54	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		4.6.18	13:06	4.6.18	15:00	Machine tripped on Exhaust temp high and machine cleared at 15:00 hrs..
		4.6.18	15:00	20.6.18	12:45	Machine not started after clearance due to low schedule from SLDC.
		28.6.18	00:01	28.6.18	13:06	Machine stopped as per the message of SLDC
		30.6.18	08:14	30.6.18	08:30	Machine came on FSNL due to tripping of 160 MVA Transformer due to grid disturbance.
		30.6.18	10:02	30.6.18	10:40	Machine tripped on Battery undervoltage
		30.6.18	13:30	30.6.18	23:59	Machine stopped as per the message of SLDC
		9.7.18	18:30	9.7.18	22:09	Machine stopped as per SLDC message due to low demand on CCNG.
		12.7.18	00:02	13.7.18	10:15	Machine stopped as per SLDC message due to low demand on CCNG.
		13.7.18	15:30	16.7.18	09:56	Machine stopped as per SLDC message due to low demand on CCNG.
		18.7.18	01:44	18.7.18	12:09	Machine stopped due to tripping of STG-II and due to non availability of STG-II.vaiable
		18.7.18	14:17	20.7.18	09:40	Machine stopped as no demand from SLDC/
		20.7.18	18:45	21.7.18	11:30	Machine stopped as per SLDC message due to low demand on CCNG.
21.7.18	16:54	24.7.18	11:16	Machine stopped as per SLDC message due to low demand on CCNG.		
25.7.18	17:40	31.7.18	23:59	Machine stopped as per SLDC message due to low demand on CCNG.		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	1.4.18	00:00	4.4.18	10:05	Machine stopped as per SLDC message due to low demand on OCSpot
		6.4.18	07:40	6.4.18	16:31	Machine tripped on Electrical trouble normal shutdown
		6.4.18	17:15	15.4.18	07:34	Machine stopped as per SLDC message due to low demand on CCSpot
		15.4.18	23:29	19.4.18	13:04	Machine tripped on Communication failed with IO Pack. The machine not started due to low schedule from SLDC
		20.4.18	08:58	30.4.18	23:59	Machine stopped as per SLDC message due to low demand on CCSpot
		1.5.18	00:00	12.5.18	21:06	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		13.5.18	18:00	23.5.18	09:13	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		23.5.18	11:50	24.5.18	12:47	Machine stopped as load could not be increased above 20 MW.
		24.5.18	12:47	26.5.18	08:44	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		26.5.18	12:23	26.5.18	14:25	Machine tripped due to jerk in system and later taken to attend leakage in CW line..
		26.5.18	16:32	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	28.5.18	12:18	Machine started after attend of CW line leakage
		28.5.18	14:51	29.5.18	12:21	Machine stopped as no schedule from SLDC .
		29.5.18	19:52	4.6.18	14:50	Machine stopped as no schedule from SLDC .
		4.6.18	20:10	20.6.18	22:06	Machine stopped as per SLDC as no schedule on CCNG
		28.6.18	00:03	28.6.18	13:01	Machine stopped as per the message of SLDC
		30.6.18	08:14	30.6.18	08:46	Machine came on FSNL due to tripping of 160 MVA Transformer due to grid disturbance.
		30.6.18	16:15	09.07.18	13:20	Machine stopped as per SLDC as no schedule on CCNG
		9.7.18	18:20	9.7.18	21:52	Machine stopped as per SLDC message due to low demand on CCNG.
		10.7.18	02:13	10.7.18	13:40	Machine stopped as per SLDC message due to low demand on CCNG.
12.7.18	00:02	12.7.18	13:55	Machine stopped as per SLDC message due to low demand on CCNG.		
14.7.18	04:36	14.7.18	07:29	Machine tripped on control trip and overtemperature trip alarm on CRT and cleared at 07:29 hrs.		
14.7.18	07:29	20.7.18	09:45	Machine not taken on load due to no schedule from SLDC		
20.7.18	18:46	31.7.18	23:59	Machine stopped as per SLDC message due to low demand on CCNG.		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	1.4.18	00:00	29.4.18	10:01	Machine stopped as per SLDC message due to low demand on CCSpot
		29.4.18	13:45	29.4.18	18:10	Trial run
		29.4.18	22:14	9.5.18	12:19	Machine stopped as per SLDC message due to low demand on CCSpot
		12.5.18	17:25	13.5.18	13:03	Machine tripped on overspeed bolt trip alarm appeared.
		13.5.18	18:00	23.5.18	10:40	Machine could not be taken on bar due to low schedule from SLDC on CCNG
		23.5.18	23:08	25.5.18	16:03	Machine tripped on Exhaust overtemperature. Machine cleared on 25.05.2018 at 16:03 hrs.
		26.5.18	12:23	26.5.18	16:35	Machine tripped on heavy jerk and there was a CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	28.5.18	13:33	Machine started after CW line leakage attended.
		2.6.18	12:25	2.6.18	20:30	Machine stopped to attend hotspot in HV bushing of STG-III Transformer.Machine made available at 20:30 hrs.
		2.6.18	20:30	4.6.18	09:16	Machine stopped as per SLDC as no schedule on CCNG
		10.6.18	08:02	11.6.18	10:50	Machine stopped as per SLDC as no schedule on CCNG
		17.6.18	11:00	1.7.18	22:30	Machine stopped as per SLDC as no schedule on CCNG
		2.7.18	03:32	3.7.18	21:04	Machine stopped as per SLDC message due to low demand on CCNG.
		5.7.18	02:30	9.7.18	22:49	Machine stopped as per SLDC message due to low demand on CCNG.Machine started in open cycle mode as per the system.
		10.7.18	02:13	10.7.18	10:15	Machine stopped as per SLDC message due to low demand on CCNG.
		12.7.18	14:01	18.7.18	12:58	Machine stopped as per SLDC message due to low demand on CCNG.
		20.7.18	17:45	20.7.18	17:57	Machine desynchronized and put on FSNL due to passing of trailer.
		21.7.18	00:02	25.7.18	16:33	Machine stopped as per SLDC message due to low demand on CCNG.
		26.7.18	10:15	30.7.18	20:30	Machine stopped as per SLDC message due to low demand on CCNG.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	1.4.18	00:00	23.05.18	18:13	Machine under Major Inspection and out of DC
		23.5.18	18:30	24.5.18	15:14	Machine tripped on Generator journal bearing drain oil temp High and lub oil header temp alos high.
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	28.5.18	11:21	Machine started after CW line leakage attended.
		30.5.18	11:20	30.5.18	12:42	Machine tripped on Exhaust temperature high.
		2.6.18	12:30	2.6.18	18:10	Machine stopped to attend hotspot in HV bushing of STG-III Transformer.
		10.6.18	08:03	10.6.18	20:05	Machine stopped to attend problem in Governing system of STG. The machine made available at 20.05 hrs. and not taken on load due to low schedule from SLDC.
		10.6.18	20:05	11.6.18	10:58	Machine not started as per SLDC as no schedule on CCNG
		17.6.18	11:00	20.6.18	13:46	Machine stopped as per SLDC as no schedule on CCNG
		20.6.18	19:00	1.7.18	20:55	Machine stopped as per SLDC as no schedule on CCNG
		2.7.18	03:23	3.7.18	20:56	Machine stopped as per SLDC message due to low demand on CCNG.
		5.7.18	18:05	5.7.18	19:35	Machine tripped on communication IO Pack failure. Machine started upto FSNL and cleared at 19:35 hrs.
		5.7.18	19:35	8.7.18	22:57	Machine not taken on load due to no schedule from SLDC and later started on open cycle mode as per system demand..
		13.7.18	16:00	18.7.18	01:35	Machine stopped as per SLDC message due to low demand on CCNG.
		20.7.18	17:45	20.7.18	17:56	Machine desynchronized and put on FSNL due to passing of trailer.
		21.7.18	00:02	23.7.18	10:44	Machine stopped as per SLDC message due to low demand on CCNG.
26.7.18	10:15	30.7.18	13:08	Machine stopped as per SLDC message due to low demand on CCNG.		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	17.4.18	00:45	17.4.18	15:14	Machine tripped on Heavy jerk from the system
		26.4.18	16:52	26.4.18	18:44	Machine tripped due to tripping of 2 MVA Transformer-1
		1.5.18	00:28	1.5.18	02:16	Machine tripped due to tripping of 2 MVA Transformer.
		8.5.18	12:34	8.5.18	13:25	Tripped while slashing HRSG-1
		8.5.18	14:56	8.5.18	15:54	Tripped on class -A relay operated.
		13.5.18	19:45	13.5.18	21:41	Machine tripped due to jerk in system.
		16.5.18	03:02	16.5.18	04:52	Machine tripped due to jerk in system
		16.5.18	12:34	16.5.18	13:21	Machine tripped on Turbine speed very high I,e malfunctioning of output card of turbine.
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	30.5.18	01:16	Machine could not be taken on bar due to no schedule from SLDC
		2.6.18	09:23	4.6.18	13:44	Machine stopped as per SLDC as no schedule
		26.6.18	23:30	27.6.18	00:40	Machine tripped on Exhaust temp high
		30.6.18	07:34	30.6.18	18:40	Machine tripped on Heavy jerk in the system and delay in synchronizing due to vibration problem in front and rear bearing AND EJECTOR FLANGE DAMAGED IN JERK..
		3.7.18	16:40	4.7.18	21:15	Machine tripped on Heavy jerk due to system and due to jerk in system there was leakage in Ejectir flange. And machen was made ready on 04.07.2018 at 20:34 hrs..
		4.7.18	21:15	5.7.18	02:05	Machine was not started due to low demand from SLDC..
		28.7.18	13:36	28.7.18	17:50	Machine tripped due to jerk in the system and leading to outage of 160 MVA Transformer 1 & 2 both.
30.7.18	23:32	31.7.18	23:59	Machine was not started due to low demand from SLDC..		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	30	1.4.18	00:00	4.4.18	14:08	Machine stopped as per SLDC message due to low demand on CCSpot
		7.4.18	11:35	7.4.18	12:08	Machine tripped suddenly on control valve closing
		9.4.18	13:45	15.4.18	09:43	Machine stopped as per SLDC message due to low demand on CCSpot
		17.4.18	01:20	17.4.18	04:58	Machine tripped on all the parameters showing on blue band .
		18.4.18	08:01	18.4.18	08:35	Machine tripped on Turbine channel 1&2 operated alarm appeared.
		18.4.18	10:48	18.4.18	11:38	Machine tripped on hunting started of parameters on BCD.
		24.4.18	11:00	24.4.18	12:15	Machine stopped to attend oil leakage from servo motor line
		24.4.18	12:15	27.4.18	21:00	Machine cleared but not started due to no schedule from SLDC
		29.4.18	00:03	30.4.18	23:59	Machine stopped as per SLDC message due to low demand on CCSpot
		17.4.18	01:20	17.4.18	03:58	Machine tripped on all the parameters showing on blue band .
		1.5.18	00:00	12.5.18	03:58	Machine could not be taken on bar due to no schedule from SLDC
		13.5.18	19:45	13.5.18	20:30	Machine tripped on jerk in system.But later was not started due to low schedule from SLDC
		13.5.18	20:30	21.5.18	23:49	Machine could not be taken on bar due to no schedule from SLDC
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	29.5.18	14:33	Machine could not be taken on bar due to no schedule from SLDC
		29.5.18	18:40	04.06.18	16:08	Machine stopped to attend water leakage from inlet line of Generator cooler.
		4.6.18	20:13	20.6.18	15:30	Machine stopped as per SLDC as no schedule
		28.6.18	00:03	28.6.18	15:40	Machine stopped as per the message of SLDC
		30.6.18	08:14	30.6.18	13:30	Machine tripped due to tripping of 160 MVA transformer as there was disturbance in the grid.
		30.6.18	13:30	12.07.18	16:30	Machine could not be taken on bar due to Axial shift and taken out of DC.
		14.7.18	04:36	16.7.18	14:30	Machine tripped due to tripping of GT-4 and later not started due to no schedule from SLDC.
		17.7.18	00:55	17.7.18	01:38	Machine tripped on Class A trip alarm, Reverse power trip alarm, Power relay and protection SSVT fuse fail.
17.7.18	18:06	17.7.18	21:35	Machine tripped on Ch-I & CH-II and class A relay trip alarm appeared on CRT.		
17.7.18	21:49	21.7.18	16:20	Machine again tripped on CH-I & CH-II and Gen RJB and FJB Vibration very high and not started due to no demand..		
25.7.18	17:40	31.7.18	23:59	Machine stopped as per SLDC message due to low demand on CCNG.		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	30	1.4.18	00:00	08.05.18	14:18	Machine under O/H
		8.5.18	14:28	8.5.18	15:52	Tripped on class -A relay operated.
		11.5.18	15:54	12.5.18	13:50	Machine tripped on calibration of woodward governor.Is under maintenance and STG-II taken on 12.05.2018 at 13:50 made available.
		12.5.18	13:50	23.5.18	13:30	Machine could not be taken on bar due to no schedule from SLDC
		23.5.18	23:08	24.5.18	19:23	Machine tripped on tripping of GT-5 & 6
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	28.5.18	14:18	Machine started after attend CW line leakage.
		28.5.18	17:46	28.5.18	18:13	Machine tripped on low vacuum.
		1.6.18	08:15	1.6.18	11:06	Machine stopped to attend oil leakage in governor system.
		2.6.18	12:32	2.6.18	19:48	Machine stopped to attend hotspot in HV bushing of STG-III Transformer.
		9.6.18	11:30	9.6.18	12:50	Machine stopped to attend problem in Governing system of STG.
		10.6.18	03:52	10.6.18	04:24	Machine stopped to attend problem in Governing system of STG.
		10.6.18	08:03	10.6.18	20:05	Machine again stopped to attend problem in Governing system of STG. The machine made available on 10.06.2018 at 20:05 hrs but not taken on load due to low schedule from SLDC
		10.6.18	20:05	11.6.18	13:00	Machine not started due to low schedule from SLDC
		16.6.18	12:25	16.6.18	16:15	Machine tripped on FJB vibration very high.
		17.6.18	11:00	20.6.18	17:45	Machine stopped as per SLDC as no schedule
		20.6.18	17:45	24.6.18	16:45	Machine was out of DC due to problem in MOP and taken in DC on 24.06.2018 at 16:45 hrs. The machine not taken on load due to low schedule from SLDC.
		24.6.18	16:45	30.6.18	12:17	Machine after being taken in DC not taken on load due to no schedule from SLDC
		30.6.18	12:17	30.6.18	20:00	Machine not available due to problem in MOP.
		30.6.18	20:00	30.6.18	23:59	Machine not taken on bar due to low schedule from SLDC.
		1.7.18	22:56	3.7.18	22:00	STG-III out of DC due to unavailability of MOP but made available on 03.07.2018 at 22:00 hrs.
		4.7.18	21:52	9.7.18	09:39	Machine out of DC due to oil leakage from MOP and made available by C&I on 09.07.2018 at 09:39 hrs..
		9.7.18	09:39	9.7.18	11:32	Machine after made available started on 9/7/2018 at 11:32 hrs.
		10.7.18	16:20	10.7.18	17:36	Machine tripped while increasing load from 11.5 MW to 19.5 MW.
		13.7.18	16:00	18.7.18	03:44	Machine was not started due to low demand from SLDC..
		20.7.18	00:00	20.7.18	19:51	Machine desynchronized.
21.7.18	00:02	23.7.18	12:40	Machine was not started due to low demand from SLDC..		
26.7.18	10:15	30.7.18	15:40	Machine stopped as per SLDC message due to low demand on CCNG.		
30.7.18	17:36	30.7.18	19:18	Machine tripped on 99 GT, 32G-2B relay operated.		

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.04.18	00:00	17.04.18	16:49	Stopped for HGPI
		03.05.18	12:46	04.05.18	15:07	Stopped due to low demand.
		04.05.18	16:10	11.05.18	14:16	Stopped due to low demand.
		13.05.18	19:50	13.05.18	20:14	Tripped due to grid disturbance
		16.05.18	03:01	16.05.18	04:49	
		26.05.18	12:24	26.05.18	13:22	
		26.05.18	13:56	26.05.18	14:42	
		30.06.18	08:17	30.06.18	12:57	Stopped due to low demand.
28.07.18	00:10	31.07.18	23:59			

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	17.04.18	18.47	18.04.18	12.45	Tripped on internal fault.
		18.04.18	12.45	19.04.18	06.24	Stopped due to low demand.
		03.05.18	07.19	03.05.18	09.07	Tripped due to grid disturbance
		26.05.18	13.56	26.05.18	14.38	
		30.06.18	08.17	30.06.18	09.35	
		12.07.18	17.16	12.07.18	18.20	
		29.07.18	15.50	29.07.18	17.29	Tripped on internal fault.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	20.04.18	15.01	20.04.18	16.43	Tripped on internal fault.
		03.05.18	07.19	03.05.18	09.00	Tripped due to grid disturbance
		03.05.18	09.00	03.05.18	10.48	Internal problem
		03.05.18	16.51	03.05.18	17.50	Tripped on internal fault.
		26.05.18	13.56	26.05.18	15.39	Tripped due to grid disturbance
		26.05.18	17.59	26.05.18	19.41	
		03.06.18	07.23	03.06.18	12.16	
		30.06.18	08.17	30.06.18	11.50	
		12.07.18	17.16	12.07.18	18.27	Tripped on internal fault.
		15.07.18	04.29	15.07.18	08.34	
		24.07.18	12.37	24.07.18	13.39	
29.07.18	15.50	29.07.18	18.42	Unit tripped as unit -2 tripped.		

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.18	00.00	31.07.18	00.00	Not in operation due to not meeting pollution norms

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	01.04.18	00.00	31.07.18	00.00	Not in operation due to not meeting pollution norms

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	01.04.18	00.00	31.07.18	00.00	Not in operation due to not meeting pollution norms

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	01.04.18	00.00	01.05.18	11.33	Not in operation due to not meeting pollution norms
		03.05.18	13.29	13.05.18	00.42	Reserve shutdown
		30.07.18	20.30	31.07.18	10.30	Coal shortage
		31.07.18	10.30	31.07.18	23.59	Reserve shutdown

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	01.04.18	00.00	09.04.18	07.54	Not in operation due to not meeting pollution norms

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	21.04.18	0.00	23.04.18	07.00	Machine shut down for Filter Replacement so half of STG #1 was also not available.
		16.06.18	08.02	16.06.18	23.59	Unit taken out of DC for solenoid change
		28.06.18	00.50	30.06.18	23.59	DP was running very high so unit taken out of DC for filter replacement.
		15.07.18	09.10	15.07.18	21.45	Filter replacement and problem in compressor bleed (CBV) valve operation attended
		21.07.18	00.00	23.07.18	17.00	Problem in purge valve resolved by replacement of solenoid and compressor washing done during this outage.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	16.06.18	08.02	16.06.18	23.59	Unit taken out of DC for solenoid change
		28.06.18	00.50	30.06.18	23.59	DP was running very high so unit taken out of DC for filter replacement.
		15.07.18	09.10	15.07.18	21.45	Filter replacement and problem in compressor bleed (CBV) valve operation attended
		21.07.18	00.00	23.07.18	17.00	Problem in purge valve resolved by replacement of solenoid and compressor washing done during this outage.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	02.04.18	06.49	02.04.18	11.58	Field breaker and Excitation Trip generated due to Regulation Supply fuse failure. Circuit checked, Power fuse changed and machine synchronised to further test the system.
		02.04.18	12.12	02.04.18	13.34	Again machine tripped on same fault. Fuse Barrier circuit replaced due to malfunctioning of micro switch contact.
		02.04.18	19.37	02.04.18	21.09	Field breaker and Excitation Trip generated due to Regulation Supply fuse failure. The circuit of PLC and fuse barrier checked and digital I/O card which generates this signal changed, machine synchronised.
		02.04.18	21.50	02.04.18	22.27	During HRSG paralleling STG tripped on Low Main steam temperature as HP Bypass#1 was not following reference properly, and loads on GTs were high for smooth paralleling.
		02.05.18	21.32	02.05.18	22.21	The cold gas temp control valve was fully open under full-module operation with cold gas temp around 43 deg. As GT #2 was stopped in accordance with the system demand, the load on STG #1 reduced to around 95 MW lowering the cold gas temp. With residual activities of isolation of HRSG #2 in progress, command was given to reduce the opening of temp-control-valve. The valve is designed for inching operation. However, the valve closed completely shutting of cooling water supply resulting in high cold-gas temp and leading to protection-trip on the same
		20.05.18	07.35	20.05.18	15.42	STG#1 Stopped due to Common Thermal Overload alarm appeared around 07:35 hrs. Intermittent flashover & smoke observed at Transformer cooling fan supply control -panel at site . All running cooling fans tripped & temperature indication at ECP disappeared. STG#1 Stopped/Tripped manually under the circumstances & panel supply made off.
		16.06.18	08.02	16.06.18	23.59	Unit taken out of DC for solenoid change
		28.06.18	00.50	30.06.18	23.59	DP was running very high so unit taken out of DC for filter replacement.
		15.07.18	09.10	15.07.18	21.45	Filter replacement and problem in compressor bleed (CBV) valve operation attended
		21.07.18	00.00	23.07.18	17.00	Problem in purge valve resolved by replacement of solenoid and compressor washing done during this outage.
27.07.18	00.00	30.07.18	19.30	PHE Cleaning		

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	17.04.18	00.00	30.04.18	23.59	Minor overhauling of Generator and Upgradation of GT#3 and BHM installation.
		29.06.18	00.00	29.06.18	02.00	Desynch due to problem in GCS (BMS not firing).
		14.07.18	10.00	14.07.18	14.00	Normalization of 6.6kV System Mod#2

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	01.04.18	00.00	16.04.18	18.00	Machine taken out of DC for Planned maintenance.(Combustion inspection)
		22.05.18	15.33	22.05.18	16.15	GT#4 came on FSNL at 15:33 hrs. due to AVR fault and subsequent tripping of GCB. Unit was test synch at 16:20 hrs. but due to poor gas pipeline hydraulics GT#4 taken out of DC wef 16:15 hrs..
		22.05.18	16.15	24.05.18	12.30	Due to poor gas pipeline hydraulics GT#4 taken out of DC wef 16:15 hrs..
		24.05.18	21.46	25.05.18	23.59	GT#4 came on FSNL due to AVR fault and subsequent tripping of GCB. Unit was test synch at 22:33 hrs.and stopped at 22:44 hrs due to SLDC backdown.
		14.07.18	10.00	14.07.18	14.00	Normalization of 6.6kV System Mod#2

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	01.04.18	00.00	30.04.18	23.59	STG#2 tripped on Bucholz relay operated. Transformer is under revival.

(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	31.07.18	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	31.07.18	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	31.07.18	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
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
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 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 JUL 2018

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	23.18.11	0	117	287	0	301	0	2	10	341	1058	4753	4733	20	5811	0	5811
2	15.41.02	0	62	274	0	536	5	-1	12	347	1235	4971	4888	83	6206	0	6206
3	23.22.14	0	74	291	0	587	15	-1	14	369	1349	4656	4620	36	6005	14	6019
4	23.14.46	0	74	274	0	498	9	-1	15	324	1193	4789	4928	-139	5982	0	5982
5	14.53.33	0	91	264	0	577	12	-1	-1	307	1249	5012	4842	170	6261	0	6261
6	15.37.39	0	64	273	0	495	10	2	11	345	1200	4952	4922	30	6152	7	6159
7	23.46.54	0	68	260	0	464	16	2	13	305	1128	4978	4880	98	6106	9	6115
8	23.18.47	0	106	281	0	593	13	1	13	365	1372	5087	4895	192	6459	0	6459
9	15.22.20	0	175	278	0	524	11	-1	3	354	1344	5654	5421	233	6998	0	6998
10	15.26.59	0	164	277	0	661	12	4	5	364	1487	5529	5537	-8	7016	0	7016
11	15.15.06	0	177	259	0	593	12	3	5	317	1366	5200	5282	-82	6566	0	6566
12	15.23.18	0	125	256	0	569	12	-1	3	306	1270	5437	5271	166	6707	0	6707
13	00.00.11	0	98	252	0	441	15	-1	17	307	1129	4906	4768	138	6035	0	6035
14	23.10.29	0	68	285	0	443	7	-1	16	305	1123	4141	4236	-95	5264	10	5274
15	23.20.35	0	67	266	0	282	14	-1	11	313	952	4847	4854	-7	5799	0	5799
16	22.52.59	0	99	261	0	425	13	-1	10	305	1112	4576	4607	-31	5688	2	5690
17	23.00.00	0	91	278	0	468	14	6	6	354	1217	4999	5261	-262	6216	0	6216
18	15.10.26	0	134	251	0	455	13	6	5	362	1226	5130	4919	211	6356	0	6356
19	15.19.08	0	130	261	0	487	13	6	12	349	1258	5184	5077	107	6442	0	6442
20	00.00.19	0	138	259	0	561	18	5	17	300	1298	4740	4851	-111	6038	0	6038
21	00.00.11	0	137	265	0	404	19	-2	18	304	1145	4423	4697	-274	5568	0	5568
22	23.03.30	0	68	263	0	249	17	5	17	317	936	4094	4238	-144	5030	0	5030
23	22.57.46	0	103	274	0	284	16	-2	20	306	1001	4615	4654	-39	5616	0	5616
24	22.54.09	0	132	271	0	529	16	-1	16	330	1293	4756	4783	-27	6049	0	6049
25	00.00.11	0	130	270	0	525	14	-1	12	316	1266	4469	4768	-299	5735	0	5735
26	00.00.06	0	139	265	0	430	17	-1	19	306	1175	4137	4358	-221	5312	0	5312
27	15.06.52	0	67	260	0	-4	18	5	15	299	660	4061	4117	-56	4721	1	4722
28	14.59.52	0	47	147	0	0	16	3	12	293	518	3953	3841	112	4471	0	4471
29	23.01.00	0	33	146	0	-7	19	2	6	324	523	4790	4657	133	5313	11	5324
30	22.59.01	0	104	148	0	25	19	4	3	168	471	5162	5200	-38	5633	3	5636
31	00.00.00	0	72	147	0	27	15	4	6	169	440	4949	4985	-36	5389	0	5389

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JUL 2018

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	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	23.18.11	0	117	287	0	301	0	2	10	341	1058	4753	4733	20	5811	0	5811
2	15.41.02	0	62	274	0	536	5	-1	12	347	1235	4971	4888	83	6206	0	6206
3	23.22.14	0	74	291	0	587	15	-1	14	369	1349	4656	4620	36	6005	14	6019
4	23.14.46	0	74	274	0	498	9	-1	15	324	1193	4789	4928	-139	5982	0	5982
5	14.53.33	0	91	264	0	577	12	-1	-1	307	1249	5012	4842	170	6261	0	6261
6	15.37.39	0	64	273	0	495	10	2	11	345	1200	4952	4922	30	6152	7	6159
7	23.46.54	0	68	260	0	464	16	2	13	305	1128	4978	4880	98	6106	9	6115
8	23.18.47	0	106	281	0	593	13	1	13	365	1372	5087	4895	192	6459	0	6459
9	15.22.20	0	175	278	0	524	11	-1	3	354	1344	5654	5421	233	6998	0	6998
10	15.26.59	0	164	277	0	661	12	4	5	364	1487	5529	5537	-8	7016	0	7016
11	15.15.06	0	177	259	0	593	12	3	5	317	1366	5200	5282	-82	6566	0	6566
12	15.23.18	0	125	256	0	569	12	-1	3	306	1270	5437	5271	166	6707	0	6707
13	00.00.11	0	98	252	0	441	15	-1	17	307	1129	4906	4768	138	6035	0	6035
14	23.10.29	0	68	285	0	443	7	-1	16	305	1123	4141	4236	-95	5264	10	5274
15	23.20.35	0	67	266	0	282	14	-1	11	313	952	4847	4854	-7	5799	0	5799
16	22.52.59	0	99	261	0	425	13	-1	10	305	1112	4576	4607	-31	5688	2	5690
17	23.00.00	0	91	278	0	468	14	6	6	354	1217	4999	5261	-262	6216	0	6216
18	15.10.26	0	134	251	0	455	13	6	5	362	1226	5130	4919	211	6356	0	6356
19	15.19.08	0	130	261	0	487	13	6	12	349	1258	5184	5077	107	6442	0	6442
20	00.00.19	0	138	259	0	561	18	5	17	300	1298	4740	4851	-111	6038	0	6038
21	00.00.11	0	137	265	0	404	19	-2	18	304	1145	4423	4697	-274	5568	0	5568
22	23.03.30	0	68	263	0	249	17	5	17	317	936	4094	4238	-144	5030	0	5030
23	22.57.46	0	103	274	0	284	16	-2	20	306	1001	4615	4654	-39	5616	0	5616
24	22.54.09	0	132	271	0	529	16	-1	16	330	1293	4756	4783	-27	6049	0	6049
25	00.00.11	0	130	270	0	525	14	-1	12	316	4469	4469	4768	-299	8938	0	8938
26	00.00.06	0	139	265	0	430	17	-1	19	306	1175	4137	4358	-221	5312	0	5312
27	15.06.52	0	67	260	0	-4	18	5	15	299	660	4061	4117	-56	4721	1	4722
28	14.59.52	0	47	147	0	0	16	3	12	293	3953	3953	3841	112	7906	0	7906
29	23.01.00	0	33	146	0	-7	19	2	6	324	523	4790	4657	133	5313	11	5324
30	22.59.01	0	104	148	0	25	19	4	3	168	471	5162	5200	-38	5633	3	5636
31	00.00.00	0	72	147	0	27	15	4	6	169	440	4949	4985	-36	5389	0	5389

SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR JUL 2018

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

A (i) RPH	0.000
(ii) GT+STG	73.833
(iii) PRAGATI	191.850
(iv) RITHALA	0.000
(v) BAWANA CCGT	279.226
(vi) Timarpur – Okhla	12.757
EDWPCL	1.835
DMSWL	10.442
TOTAL	569.943
B) AVAILABILITY FROM BTPS	222.174
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	23.293
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	786.824

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	6.579	6.414	6.579	6.414
SALAL	58.492	57.310	58.492	57.310
SASAN	251.047	242.303	247.271	238.656
TANKAPUR	5.428	5.292	5.428	5.292
CHAMERA	29.608	29.013	29.608	29.013
CHAMERA -II	28.536	27.958	28.536	27.958
CHAMERA -III	20.694	20.274	20.694	20.274
DHAULIGANGA	23.306	22.830	23.306	22.830
SEWA -2	6.508	6.377	6.508	6.377
URI	38.568	37.597	37.971	37.015
URI-II	22.733	22.160	22.848	22.272
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	9.996	9.773	9.996	9.773
PARBATI3	16.461	16.136	16.461	16.136
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	0.043	0.042	0.005	0.005
ANTA (RLNG)	28.324	27.468	0.000	0.000
ANTA (LIQUID)	2.476	2.405	0.000	0.000
DADRI (GAS)	10.494	10.327	3.085	3.037
DADRI (RLNG)	34.421	33.892	0.205	0.202
DADRI (LIQUID)	18.852	18.574	0.000	0.000
AURAIYA (GAS)	2.186	2.134	0.039	0.038
AURAIYA (RLNG)	3.977	3.882	0.039	0.038
AURAIYA (LIQUID)	43.660	42.553	0.000	0.000
SINGRAULI	66.956	64.940	60.515	58.688
SINGRAULI_HYDRO	0.294	0.285	0.294	0.285
RIHAND -I	67.858	65.816	60.631	58.805
RIHAND -II	86.147	83.553	80.330	77.911
RIHAND -III	92.332	89.550	77.061	74.733
UNCHAHAAR-I	16.175	15.808	12.308	12.027
UNCHAHAAR-II	16.948	16.563	13.189	12.889
UNCHAHAAR-III	19.316	18.877	14.722	14.386
UNCHAHAAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	474.399	467.094	316.223	311.346
DADRI (TH) STAGE-II	468.569	461.398	358.856	353.336
NAPP	29.954	29.199	29.954	29.199
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	38.737	37.570	38.737	37.570
NATHPA JHAKRI	108.174	105.447	108.174	105.447

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
DULASTI	30.536	29.912	30.536	29.912
TEHRI	14.741	14.413	14.741	14.413
JHAJJAR	382.643	376.803	191.387	188.389
KHELGAON	25.837	25.247	19.720	19.269
KHELGAON-II	90.592	88.529	74.866	73.159
FARAKA	13.451	13.210	10.091	9.910
TALA	22.057	21.557	22.057	21.557
TALCHER	0.000	0.000	0.000	0.000
DVC	183.023	181.597	181.597	180.654
ANDHRA PRADESH	82.092	81.442	81.442	81.033
JHARKHAND	22.380	22.206	22.206	22.091
MEGHALAYA	24.163	23.876	23.876	23.753
MAHARASHTRA	0.000	0.000	0.000	0.000
HARYANA	0.000	0.000	0.000	0.000
MADHYA PRADESH	109.479	108.391	108.391	107.830
METHON POWER(NDPL)LT-06	132.276	131.250	131.250	130.553
DVC MEJIA (LT-08)(BYPL)	17.237	17.100	17.100	17.011
URS	2.596	2.583	2.596	2.583
JAMMU & KASHMIR	60.522	59.906	59.906	59.596
HIMACHAL PRADESH	420.305	413.917	413.917	411.765
JP NIGRIE (MP)	0.036	0.036	0.036	0.036
MIZORAM	5.078	4.980	4.980	4.954
NAGALAND	2.925	2.905	2.905	2.890
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	34.146	33.886	33.886	33.713
ESSAR (MP)	0.050	0.050	0.050	0.050
ADHPL (KULLU) HP	6.273	6.178	6.178	6.146
ORISSA MT-20 JITPL -DVC	4.772	4.718	4.718	4.694
GUJRAT	0.191	0.189	0.189	0.188
UTTRAKHAND	37.393	37.012	37.012	36.821
RAJASTHAN(SOLAR) BRPL-LT36	3.291	3.225	3.225	3.208
RAJASTHAN(SOLAR) BYPL - LT-35	17.453	17.100	17.100	17.011
RAJASTHAN(SOLAR) TPDDL LT-31	3.295	3.228	3.228	3.212
TO JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	-3.793	-3.831	-3.831	-3.868
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO J&K	0.000	0.000	0.000	0.000
TO TAMILNADU	0.000	0.000	0.000	0.000
TO GOA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO MANIPUR	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO HARYANA	-0.337	-0.343	-0.343	-0.347
POWER EXCHANGE(IEX)	26.178	26.045	26.178	26.045
TO POWER EXCHANGE (IEX)	-167.808	-169.635	-167.808	-169.635
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)	-16.533	-16.713	-16.533	-16.713
TO SHARE PROJECT (PUNJAB)	-16.533	-16.713	-16.533	-16.713
TOTAL	3718.256	3645.072	3028.382	2974.432

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	1453.427	1425.161	997.503	977.726
NTPC - ER	129.880	126.986	104.677	102.338
NHPC	287.449	281.272	286.967	280.802
NPC	68.691	66.770	68.691	66.770
SASAN	251.047	242.303	247.271	238.656
KOTESHWAR	9.996	9.773	9.996	9.773
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	108.174	105.447	108.174	105.447
TEHRI	14.741	14.413	14.741	14.413
TALA	22.057	21.557	22.057	21.557
JHAJJAR	382.643	376.803	191.387	188.389
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.291	3.225	3.225	3.208
RAJASTHAN SOLAR(BYPL)T-35	17.453	17.100	17.100	17.011
RAJASTHAN SOLAR(TPDDL)T-31	3.295	3.228	3.228	3.212
DVC	183.023	181.597	181.597	180.654
ANDHRA PRADESH	82.092	81.442	81.442	81.033
JHARKHAND	22.380	22.206	22.206	22.091
MEGHALAYA	24.163	23.876	23.876	23.753
MAHARASHTRA	0.000	0.000	0.000	0.000
HARYANA	0.000	0.000	0.000	0.000
MADHYA PRADESH	109.479	108.391	108.391	107.830
METHON POWER (NDPL)-LT-06	132.276	131.250	131.250	130.553
DVC MEJIA (LT-08)(BYPL)	17.237	17.100	17.100	17.011
URS	2.596	2.583	2.596	2.583
JAMMU & KASHMIR	60.522	59.906	59.906	59.596
HIMACHAL PRADESH	420.305	413.917	413.917	411.765
JP NIGRIE (MP)	0.036	0.036	0.036	0.036
MIZORAM	5.078	4.980	4.980	4.954
NAGALAND	2.925	2.905	2.905	2.890
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	34.146	33.886	33.886	33.713
ESSAR (MP)	0.050	0.050	0.050	0.050
ADHPL (KULLU) HP	6.273	6.178	6.178	6.146
ORISSA MT-20 JITPL -DVC	4.772	4.718	4.718	4.694
GUJRAT	0.191	0.189	0.189	0.188
UTTRAKHAND	37.393	37.012	37.012	36.821
POWER EXCHANGE(IEX)	26.178	26.045	26.178	26.045
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	3923.260	3852.306	3233.431	3181.707

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	-3.793	-3.831	-3.831	-3.868
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO J&K	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO TAMILNADU	0.000	0.000	0.000	0.000
TO GOA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO MANIPUR	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO HARYANA	-0.337	-0.343	-0.343	-0.347
TO POWER EXCHANGE (IEX)	-167.808	-169.635	-167.808	-169.635
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-16.533	-16.713	-16.533	-16.713
TO SHARE PROJECT (PUNJAB)	-16.533	-16.713	-16.533	-16.713
TOTAL	-205.005	-207.234	-205.049	-207.275
TOTAL SCHEDULED DRAWAL FROM THE GRID	3718.256	3645.072	3028.382	2974.432

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS	3705.590
NET CONSUMPTION	3682.297
AVAILABILITY WITHIN DELHI	768.824
ACTUAL DRAWAL FROM THE GRID	2913.473
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY	-60.959
LOAD SHEDDING	2.793
UNRESTRICTED DEMAND (GROSS)	3708.383
UNRESTRICTED DEMAND (NET)	3685.090
MAX. NET CONSUMPTION	140.397 ON 10.07.2018
MAX. LOAD SHEDDING	275MW ON 07.07..2018 AT 23.20HRS.
PEAK LOAD	Peak Demand during the month
DAY PEAK	7016MW AT 15.26.49 HRS ON 10.07.2018
EVENING PEAK	6668MW AT 22.30.003HRS ON 09.07.2018
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA BAWANA Timarpur Okhla EDWPCL DMSWL
	0.00% 36.75% 78.14% 0.00% 27.37% 107.17% 20.55% 58.48%

SHEDDING DETAILS DURING THE MONTH OF JUL 2018.

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 drawl / 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.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000
09.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Jul.18	0	0.000	0.000	0.0001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.Jul.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	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 DEVIATION			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	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	24=8 to 23	25=7+24
01.Jul.18	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.18	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.18	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.Jul.18	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.18	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.18	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.18	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.18	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
09.Jul.18	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.18	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.18	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.18	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.18	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.18	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.18	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.18	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.18	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.18	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.18	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.18	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.18	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.18	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.18	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.18	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.Jul.18	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.18	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.18	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.18	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.18	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.18	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.18	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	0.009	0.009

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.Jul.18	0.000	0.006	0.000	0.000	0.000	0.000	0.015	0.000	0.000
02.Jul.18	0.004	0.000	0.000	0.000	0.000	0.000	0.164	0.006	0.000
03.Jul.18	0.005	0.000	0.000	0.000	0.000	0.041	0.033	0.006	0.000
04.Jul.18	0.000	0.010	0.000	0.000	0.000	0.001	0.046	0.000	0.000
05.Jul.18	0.007	0.000	0.023	0.000	0.000	0.000	0.023	0.003	0.000
06.Jul.18	0.005	0.007	0.002	0.000	0.000	0.003	0.042	0.010	0.000
07.Jul.18	0.012	0.035	0.030	0.000	0.000	0.000	0.005	0.000	0.000
08.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.159	0.027	0.000
09.Jul.18	0.012	0.000	0.000	0.000	0.000	0.000	0.108	0.016	0.000
10.Jul.18	0.000	0.007	0.000	0.000	0.000	0.000	0.112	0.159	0.000
11.Jul.18	0.000	0.000	0.033	0.000	0.000	0.000	0.024	0.085	0.000
12.Jul.18	0.063	0.000	0.004	0.000	0.000	0.017	0.029	0.005	0.000
13.Jul.18	0.000	0.004	0.000	0.000	0.000	0.000	0.030	0.017	0.000
14.Jul.18	0.001	0.000	0.002	0.000	0.000	0.011	0.072	0.000	0.000
15.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.000
16.Jul.18	0.002	0.006	0.003	0.000	0.000	0.041	0.022	0.022	0.000
17.Jul.18	0.013	0.000	0.000	0.000	0.000	0.001	0.042	0.006	0.000
18.Jul.18	0.000	0.000	0.000	0.000	0.000	0.0005	0.027	0.006	0.000
19.Jul.18	0.000	0.013	0.000	0.000	0.000	0.000	0.024	0.000	0.000
20.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.001	0.000
21.Jul.18	0.000	0.000	0.000	0.000	0.000	0.005	0.048	0.001	0.000
22.Jul.18	0.000	0.000	0.002	0.000	0.000	0.000	0.018	0.002	0.000
23.Jul.18	0.000	0.000	0.000	0.000	0.000	0.006	0.032	0.004	0.000
24.Jul.18	0.000	0.000	0.015	0.000	0.000	0.000	0.003	0.000	0.000
25.Jul.18	0.002	0.002	0.000	0.000	0.000	0.000	0.030	0.000	0.000
26.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.043	0.013	0.000
27.Jul.18	0.000	0.000	0.000	0.000	0.000	0.002	0.003	0.004	0.000
28.Jul.18	0.014	0.003	0.000	0.000	0.000	0.003	0.036	0.000	0.000
29.Jul.18	0.004	0.002	0.002	0.000	0.000	0.000	0.062	0.002	0.000
30.Jul.18	0.003	0.002	0.003	0.000	0.000	0.000	0.531	0.000	0.000
31.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000
TOTAL	0.147	0.097	0.119	0.000	0.000	0.132	1.866	0.396	0.000

ALL FIGURES IN MU's

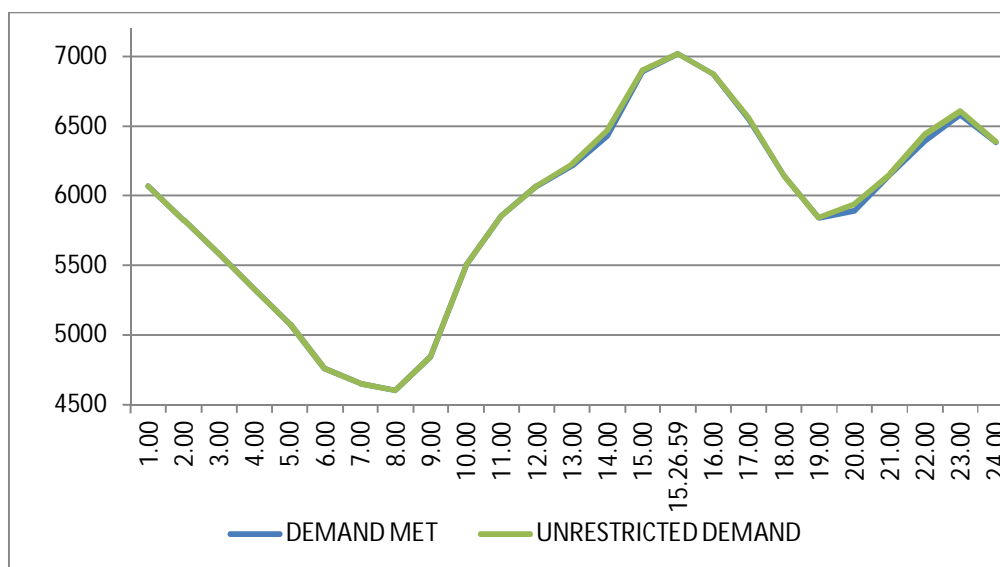
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.021
02.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.174	0.174
03.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.085	0.085
04.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.057
05.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056	0.056
06.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069	0.069
07.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.082	0.082
08.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.186	0.195
09.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.136	0.136
10.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.278	0.278
11.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.142	0.142
12.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.118	0.118
13.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.051	0.051
14.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.086	0.086
15.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
16.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.096	0.096
17.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.062	0.062
18.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.034
19.Jul.18	0.000	0.016	0.011	0.000	0.000	0.000	0.000	0.064	0.064
20.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
21.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.054	0.054
22.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.022
23.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.042
24.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.018
25.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.034
26.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056	0.056
27.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
28.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056	0.056
29.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.072	0.072
30.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.539	0.539
31.Jul.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.063
TOTAL	0.000	0.016	0.011	0.000	0.000	0.000	0.000	2.784	2.793

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.18	114.775	5811	23:18:11	0	5811	5811	23:18:11	5811	0
02.Jul.18	120.857	6206	15:41:02	0	6206	6206	15:41:02	6206	0
03.Jul.18	122.059	6005	23:22:14	14	6019	6019	23:22:14	6005	14
04.Jul.18	120.556	5982	23:14:46	0	5982	5982	23:14:46	5982	0
05.Jul.18	124.120	6261	14:53:33	0	6261	6261	14:53:33	6261	0
06.Jul.18	127.547	6152	15:37:39	7	6159	6159	15:37:39	6152	7
07.Jul.18	126.624	6106	23:46:54	9	6115	6115	23:46:54	6106	9
08.Jul.18	124.250	6459	23:18:47	0	6459	6459	23:18:47	6459	0
09.Jul.18	140.113	6998	15:22:20	0	6998	6998	15:22:20	6998	0
10.Jul.18	140.397	7016	15:26:49	0	7016	7016	15:26:49	7016	0
11.Jul.18	135.062	6566	15:15:06	0	6566	6566	15:15:06	6566	0
12.Jul.18	131.572	6707	15:23:18	0	6707	6707	15:23:18	6707	0
13.Jul.18	120.370	6035	00:00:11	0	6035	6035	00:00:11	6035	0
14.Jul.18	109.050	5268	23:10:29	10	5278	5278	23:10:29	5268	10
15.Jul.18	110.561	5799	23:20:35	0	5799	5799	23:20:35	5799	0
16.Jul.18	121.181	5688	22:52:49	2	5690	5690	22:52:49	5688	2
17.Jul.18	122.341	6216	23:00	0	6216	6216	23:00	6216	0
18.Jul.18	127.252	6356	15:10:26	0	6356	6356	15:10:26	6356	0
19.Jul.18	127.933	6442	15:19:08	0	6442	6442	15:19:08	6442	0
20.Jul.18	124.311	6038	00:00:19	0	6038	6038	00:00:19	6038	0
21.Jul.18	111.459	5568	00:00:11	0	5568	5568	00:00:11	5568	0
22.Jul.18	103.304	5030	23:03:30	0	5030	5030	23:03:30	5030	0
23.Jul.18	112.747	5616	22:57:46	0	5616	5616	22:57:46	5616	0
24.Jul.18	122.202	6049	22:54:09	0	6049	6049	22:54:09	6049	0
25.Jul.18	118.001	5735	00:00:11	0	5735	5735	00:00:11	5735	0
26.Jul.18	108.838	5312	00:00:06	0	5312	5312	00:00:06	5312	0
27.Jul.18	98.606	4721	15:06:52	1	4722	4722	15:06:52	4721	1
28.Jul.18	95.761	4471	14:59:52	0	4471	4471	14:59:52	4471	0
29.Jul.18	96.042	5313	23:01:00	11	5324	5324	23:01:00	5313	11
30.Jul.18	110.929	5633	22:59:01	3	5636	5636	22:59:01	5633	3
31.Jul.18	113.477	5389	00:00:00	0	5389	5389	00:00:00	5389	0
TOTAL	3682.297	7016 10.07.18	15:26:49	0	7016 10.07.18	7016	15:26:49	7016	3

10 **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JULY 2018 ON 10.07.2018- 7016MW AT 15.26.49HRS.**

All figures in MW

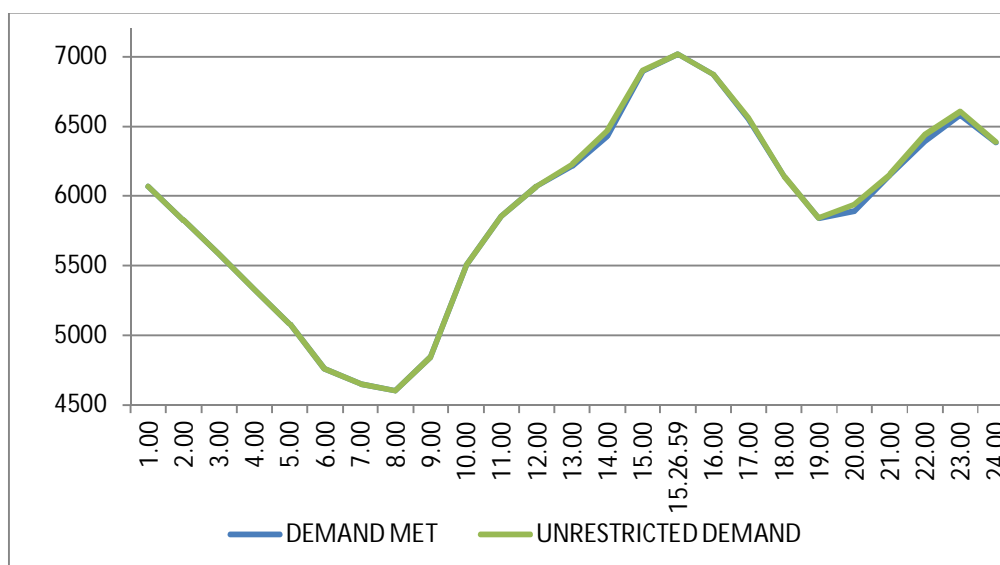
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6065	0	6065
2.00	5825	0	5825
3.00	5586	0	5586
4.00	5328	0	5328
5.00	5083	0	5083
6.00	4760	0	4760
7.00	4654	0	4654
8.00	4602	0	4602
9.00	4844	0	4844
10.00	5503	0	5503
11.00	5856	0	5856
12.00	6070	0	6070
13.00	6214	12	6226
14.00	6426	39	6465
15.00	6892	7	6899
15.26.59	7016	0	7016
16.00	6875	0	6875
17.00	6550	10	6560
18.00	6142	0	6142
19.00	5842	0	5842
20.00	5891	47	5938
21.00	6151	4	6155
22.00	6393	48	6441
23.00	6577	29	6606
24.00	6383	4	6387
Total (IN MUS)	140.397	0.278	140.675



11 **LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JULY 2018 ON 10.07.2018-7016MW AT 15.26.49HRS.**

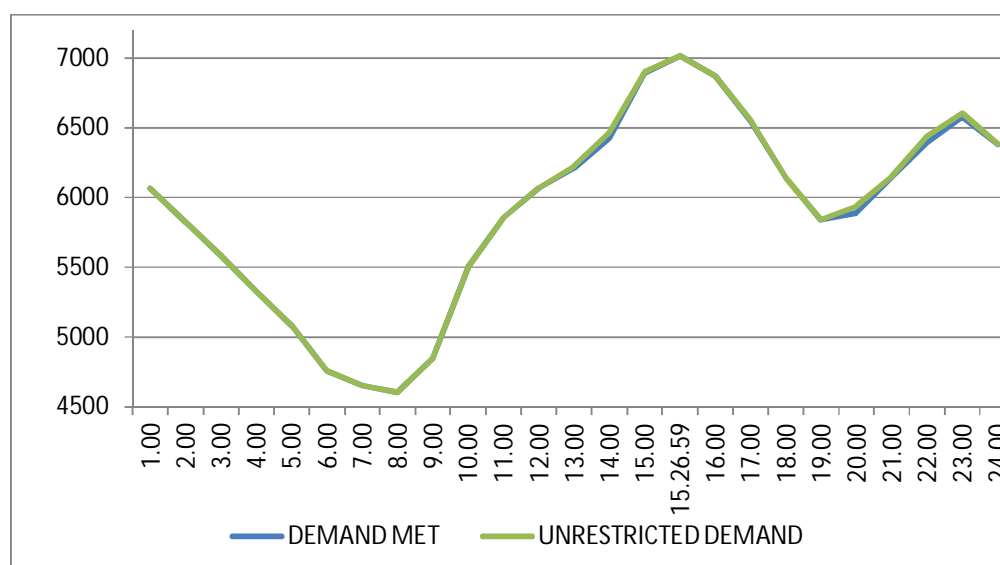
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6065	0	6065
2.00	5825	0	5825
3.00	5586	0	5586
4.00	5328	0	5328
5.00	5083	0	5083
6.00	4760	0	4760
7.00	4654	0	4654
8.00	4602	0	4602
9.00	4844	0	4844
10.00	5503	0	5503
11.00	5856	0	5856
12.00	6070	0	6070
13.00	6214	12	6226
14.00	6426	39	6465
15.00	6892	7	6899
15.26.59	7016	0	7016
16.00	6875	0	6875
17.00	6550	10	6560
18.00	6142	0	6142
19.00	5842	0	5842
20.00	5891	47	5938
21.00	6151	4	6155
22.00	6393	48	6441
23.00	6577	29	6606
24.00	6383	4	6387
Total (IN MUS)	140.397	0.278	140.675



**12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED
DURING JULY 2018 – 10.07.2018 – 140.397Mus All figures in MW**

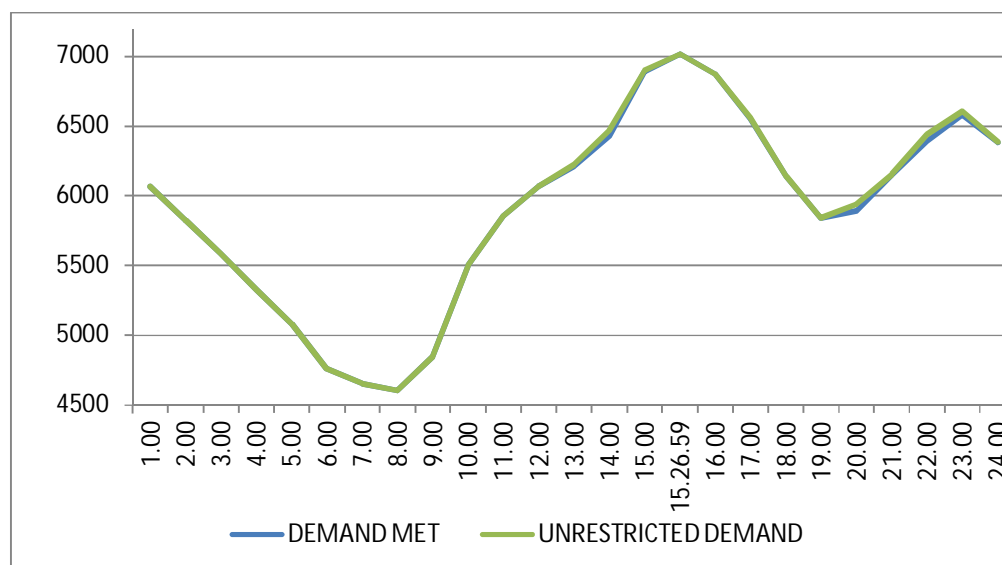
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6065	0	6065
2.00	5825	0	5825
3.00	5586	0	5586
4.00	5328	0	5328
5.00	5083	0	5083
6.00	4760	0	4760
7.00	4654	0	4654
8.00	4602	0	4602
9.00	4844	0	4844
10.00	5503	0	5503
11.00	5856	0	5856
12.00	6070	0	6070
13.00	6214	12	6226
14.00	6426	39	6465
15.00	6892	7	6899
15.26.59	7016	0	7016
16.00	6875	0	6875
17.00	6550	10	6560
18.00	6142	0	6142
19.00	5842	0	5842
20.00	5891	47	5938
21.00	6151	4	6155
22.00	6393	48	6441
23.00	6577	29	6606
24.00	6383	4	6387
Total (IN MUS)	140.397	0.278	140.675



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JUL 2018 – 10.07.2018 – 140.675 Mus

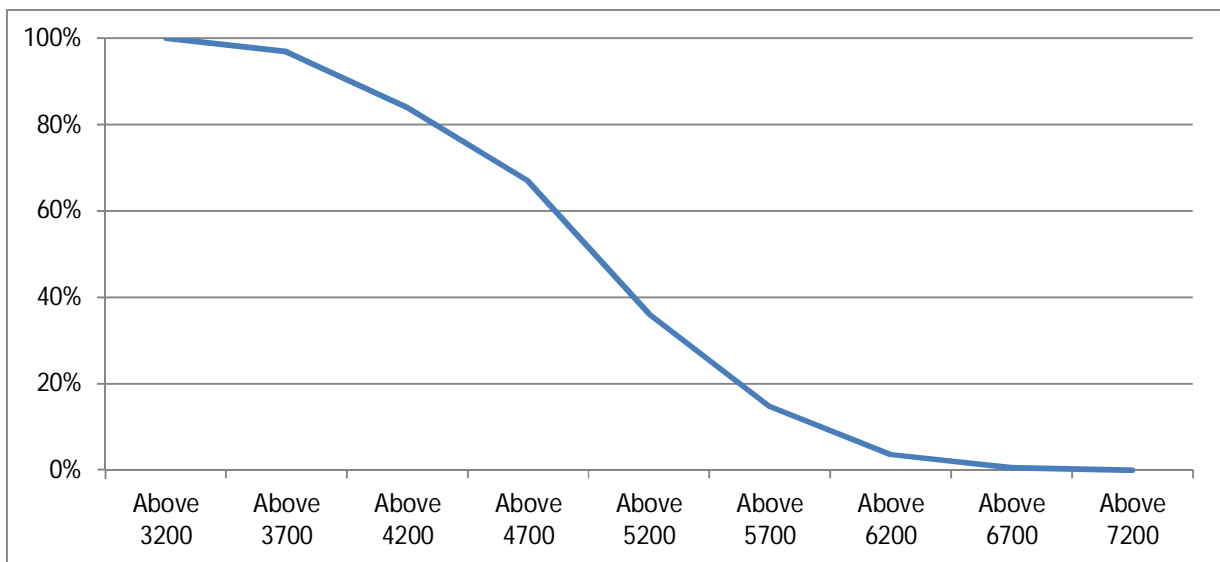
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6065	0	6065
2.00	5825	0	5825
3.00	5586	0	5586
4.00	5328	0	5328
5.00	5083	0	5083
6.00	4760	0	4760
7.00	4654	0	4654
8.00	4602	0	4602
9.00	4844	0	4844
10.00	5503	0	5503
11.00	5856	0	5856
12.00	6070	0	6070
13.00	6214	12	6226
14.00	6426	39	6465
15.00	6892	7	6899
15.26.59	7016	0	7016
16.00	6875	0	6875
17.00	6550	10	6560
18.00	6142	0	6142
19.00	5842	0	5842
20.00	5891	47	5938
21.00	6151	4	6155
22.00	6393	48	6441
23.00	6577	29	6606
24.00	6383	4	6387
Total (IN MUS)	140.397	0.278	140.675



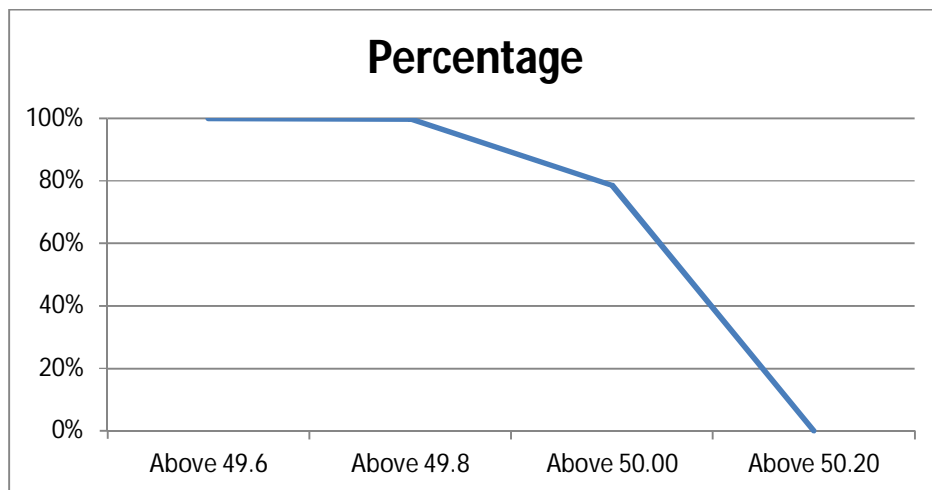
14 LOAD DURATION CURVE FOR JULY 2018

Load in MW	Percentage of Time
Above 3200	100%
Above 3700	96.84%
Above 4200	83.90%
Above 4700	66.90%
Above 5200	36.26%
Above 5700	14.72%
Above 6200	3.60%
Above 6700	0.50%
Above 7200	0.00%



FREQUENCY ANALYSIS FOR THE MONTH OF JULY 2018

Frequency Range in Hz.	Percentage of time
Above 49.6	100%
Above 49.8	99.93%
Above 50.00	78.62%
Above 50.20	0.00%



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING JULY 2018

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Jul.18	228.27	216.41	228.53	215.76
02.Jul.18	228.27	217.18	226.72	0
03.Jul.18	231.11	218.34	228.66	215.63
04.Jul.18	231.37	217.82	230.59	216.53
05.Jul.18	229.3	211.89	228.79	214.73
06.Jul.18	227.5	214.99	227.88	213.44
07.Jul.18	225.69	213.18	224.66	212.15
08.Jul.18	225.3	214.73	226.21	215.24
09.Jul.18	223.63	209.96	223.76	210.21
10.Jul.18	225.95	212.41	228.01	211.25
11.Jul.18	226.85	214.99	227.63	214.73
12.Jul.18	225.95	216.28	227.88	0
13.Jul.18	226.98	218.47	227.5	217.57
14.Jul.18	228.92	219.24	227.88	218.6
15.Jul.18	230.59	216.92	231.75	216.92
16.Jul.18	226.34	218.34	226.21	217.18
17.Jul.18	228.01	217.05	227.37	214.08
18.Jul.18	229.3	217.7	226.08	211.12
19.Jul.18	230.85	213.7	228.14	213.31
20.Jul.18	228.01	216.53	227.88	214.08
21.Jul.18	228.66	217.18	228.79	213.83
22.Jul.18	232.01	218.21	231.37	218.86
23.Jul.18	229.82	218.6	228.92	215.76
24.Jul.18	230.46	217.7	228.27	213.7
25.Jul.18	232.14	218.34	229.3	218.21
26.Jul.18	233.82	219.89	230.72	218.34
27.Jul.18	234.33	222.08	233.82	220.53
28.Jul.18	235.88	220.79	232.78	219.63
29.Jul.18	232.53	219.5	232.01	218.21
30.Jul.18	231.88	219.5	231.75	218.34
31.Jul.18	230.21	218.86	231.75	220.15

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING JUNE 2018

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jul.18	412.7	08:01:45	391.12	00:06:34	400.84
02.Jul.18	409.18	07:01:39	386.9	14:58:20	399.99
03.Jul.18	413.4	06:00:53	386.9	22:10:35	400.44
04.Jul.18	413.4	05:01:56	390.19	22:49:59	401.31
05.Jul.18	410.82	07:50:40	388.08	22:35:33	399.21
06.Jul.18	408.48	06:03:14	385.5	14:57:16	396.01
07.Jul.18	404.25	05:47:25	382.68	14:56:39	395.08
08.Jul.18	407.3	07:02:51	388.78	22:38:43	397.94
09.Jul.18	405.43	18:00:56	381.74	14:38:06	394.15
10.Jul.18	406.37	07:01:48	386.43	14:57:59	396.3
11.Jul.18	411.52	06:18:02	388.08	14:10:24	397.73
12.Jul.18	410.12	08:01:56	390.19	15:47:17	399.8
13.Jul.18	411.29	17:13:30	394.88	00:23:38	402.7
14.Jul.18	412.23	07:01:52	393.47	19:39:54	401.16
15.Jul.18	413.87	08:00:37	388.78	22:49:08	400.96
16.Jul.18	406.13	07:04:01	390.19	22:21:12	398.24
17.Jul.18	408.01	05:32:23	387.61	22:22:05	396.97
18.Jul.18	407.54	05:38:06	382.21	14:43:58	395.6
19.Jul.18	410.82	05:38:00	385.5	14:39:01	396.9
20.Jul.18	409.65	08:01:54	386.9	14:29:15	398.53
21.Jul.18	410.35	06:02:27	388.08	11:32:28	399.26
22.Jul.18	414.34	05:36:12	390.89	19:57:34	402.75
23.Jul.18	409.65	06:03:35	389.01	14:48:16	398.95
24.Jul.18	408.94	05:16:58	386.67	14:53:42	397.97
25.Jul.18	411.29	07:54:22	392.76	00:10:11	400.73
26.Jul.18	412.7	08:00:13	390.19	14:56:54	403.02
27.Jul.18	415.51	03:54:46	391.12	19:31:08	403.14
28.Jul.18	413.4	06:02:10	391.36	19:39:52	401.59
29.Jul.18	410.12	04:01:03	387.61	19:50:15	399.97
30.Jul.18	412.46	04:00:36	386.43	20:51:39	398.46
31.Jul.18	408.48	04:01:10	389.95	21:32:42	399

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jul.18	411.99	08:02:17	393.94	00:07:39	402.13
02.Jul.18	411.06	07:04:36	393.94	14:57:17	403.3
03.Jul.18	415.74	06:03:54	396.05	22:09:26	404.92
04.Jul.18	417.86	05:02:17	397.22	22:16:52	406.41
05.Jul.18	413.4	07:51:32	393.94	14:44:41	403.19
06.Jul.18	410.82	06:03:08	390.89	14:57:24	400.44
07.Jul.18	407.54	05:46:59	390.19	14:57:47	399.12
08.Jul.18	406.83	07:03:55	391.36	20:39:08	399.22
09.Jul.18	405.66	17:59:31	386.67	14:39:43	396.8
10.Jul.18	409.88	06:25:17	389.95	14:58:03	399.6
11.Jul.18	411.06	06:17:49	394.64	00:12:16	400.82
12.Jul.18	410.35	08:04:01	394.64	15:44:22	401.46
13.Jul.18	412.46	17:04:48	395.81	00:17:46	404.82
14.Jul.18	413.63	07:03:11	397.92	19:37:53	405.76
15.Jul.18	416.92	08:00:43	394.64	22:48:35	404.87
16.Jul.18	408.71	16:02:06	396.75	22:30:20	402.73
17.Jul.18	411.29	05:28:07	393.23	22:31:45	402.47
18.Jul.18	409.88	07:07:49	392.06	14:48:28	400.87
19.Jul.18	414.34	05:38:13	392.06	14:22:32	401.35
20.Jul.18	412.23	08:03:05	394.88	14:29:12	402.95
21.Jul.18	413.4	06:02:45	396.28	11:31:49	404.1
22.Jul.18	419.73	05:36:34	398.16	19:44:45	408.27
23.Jul.18	415.51	05:30:43	396.28	22:25:47	405.24
24.Jul.18	412.23	05:16:52	394.41	14:52:30	403.16
25.Jul.18	415.98	07:54:34	398.39	00:19:28	406.6
26.Jul.18	419.73	07:59:52	399.57	19:43:12	409.75
27.Jul.18	420.9	03:32:18	399.8	19:48:01	410.37
28.Jul.18	422.08	06:03:19	399.8	19:39:40	410.02
29.Jul.18	416.68	06:01:38	396.75	19:50:12	406.67
30.Jul.18	416.68	04:00:59	393.7	19:56:31	404.87
31.Jul.18	412.7	06:01:19	397.22	22:23:05	404.2

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
1	IP YARD	DTL		30.00		30.00
1	Kamla Market	BYPL			16.35	16.35
2	Minto Road	BYPL				0.00
3	GB Pant Hosp	BYPL			10.48	10.48
4	Delhi Gate	BYPL			16.30	16.30
5	Tilakmarg	NDMC			5.04	5.04
7	Cannaught Place	NDMC			10.08	10.08
8	Kilokri	BRPL		0.00	10.48	10.48
9	NDSE-II	BRPL				0.00
11	Nizamuddin	BRPL				0.00
12	Exhibition-I	BRPL				0.00
13	Exhibition-II	BRPL				0.00
14	Defence Colony	BRPL				0.00
15	IG Stadium	BYPL		10.08	5.45	15.53
16	Lajpat Nagar	BRPL				0.00
17	IP Estate	BYPL			10.90	10.90
18	D.D.U.Marg	BYPL			10.80	10.80
			0.00	40.08	95.88	135.96
2	Electric Lane					
1	Electric Lane	NDMC			5.04	5.04
2	Scindia House	NDMC			10.44	10.44
3	Mandi House	NDMC			10.80	10.80
4	Raisina Road	NDMC			10.08	10.08
5	Raja Bazar	NDMC			10.08	10.08
			0.00	0.00	46.44	46.44
3	RPH Station	IPGCL		20.00		20.00
1	Lahori Gate	BYPL			10.49	10.49
2	Jama Masjid	BYPL			10.48	10.48
4	Kamla Market	BYPL				0.00
5	Minto Road	BYPL			10.90	10.90
6	GB Pant Hosp	BYPL				0.00
7	IG Stadium	BYPL				0.00
			0.00	20.00	31.87	51.87
4	Parkstreet S/stn	DTL	20.00	20.00		40.00
1	Shastri Park	BYPL		0.00	5.45	5.45
2	Faiz Road	BYPL			18.05	18.05
3	Motia Khan	BYPL			16.30	16.30
4	Prasad Nagar	BYPL			16.25	16.25

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
5	Anand Parbat	BYPL			10.80	10.80
6	Shankar Road	BYPL			10.44	10.44
7	Rama Road	TPDDL			0.00	0.00
8	Baird Road	NDMC			10.08	10.08
9	Hanuman Road	NDMC			10.08	10.08
10	Pusa	TPDDL			5.44	5.44
11	Ridge Valley	BRPL			0.00	0.00
12	B. D. Marg	NDMC			5.40	5.40
13	Nirman Bhawan	NDMC			5.04	5.04
			20.00	20.00	113.33	153.33
5	Naraina S/stn	DTL		20.00	5.04	25.04
1	DMS	BYPL			10.85	10.85
2	Mayapuri	BRPL		10.87	10.40	21.27
3	Inderpuri	TPDDL		13.26	5.04	18.30
4	Rewari line	TPDDL				0.00
5	Khyber Lane	MES		10.05		10.05
6	Kirbi Place	MES		10.05		10.05
7	Payal	TPDDL			10.08	10.08
8	A-21 Naraina	TPDDL			4.80	4.80
8	Saraswati Garden	TPDDL			10.08	10.08
			0.00	64.23	56.29	120.52
6	Mehrauli S/stn	DTL	80.00		5.04	85.04
1	Adchini	BRPL			14.61	14.61
2	Andheria Bagh	BRPL			10.85	10.85
3	IIT	BRPL			10.90	10.90
4	JNU	BRPL			10.03	10.03
5	Bijwasan	BRPL			15.47	15.47
6	DC Saket	BRPL		10.08	9.98	20.06
7	Malviya Nagar	BRPL				0.00
8	C Dot	BRPL			23.08	23.08
9	Vasant kunj B-Blk	BRPL	21.79		10.90	32.69
10	Vasant kunj C-Blk	BRPL	20.16		10.48	30.64
11	Palam	BRPL				0.00
12	IGNOU	BRPL			14.54	14.54
13	R. K. Puram-I	BRPL			10.07	10.07
14	Vasant Vihar	BRPL			19.25	19.25
15	Pusp Vihar	BRPL			10.44	10.44
16	Bhikaji Cama Place	BRPL		10.08	10.07	20.15
17	Fatehpuri	BRPL			14.40	14.40
			121.95	20.16	200.11	342.22

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
7	Vasantkunj S/stn	DTL	40.00		5.04	45.04
1	R. K. Puram-II	BRPL			10.80	10.80
2	Vasant kunj C-Blk	BRPL				0.00
3	Vasant kunj D-Blk	BRPL			9.63	9.63
4	Ridge Valley	BRPL				0.00
			40.00	0.00	25.47	65.47
8	Okhla S/stn	DTL	60.00	10.00	5.04	75.04
1	Balaji	BRPL			10.80	10.80
2	East of Kailash	BRPL			15.89	15.89
3	Alaknanda	BRPL			16.30	16.30
4	Malviya Nagar	BRPL	21.79	20.16	10.85	52.80
5	Masjid Moth	BRPL			16.30	16.30
6	Nehru Place	BRPL			21.34	21.34
7	Okhla Ph-I	BRPL	21.79		16.30	38.09
8	Okhla Ph-II	BRPL		20.93	15.47	36.40
9	Shivalik	BRPL			10.80	10.80
10	Batra	BRPL			15.90	15.90
11	VSNL	BRPL			10.90	10.90
12	Siri Fort	BRPL			10.49	10.49
13	Tuglakabad	BRPL			18.05	18.05
			103.58	51.09	194.43	349.10
9	Lodhi Road S/stn	DTL			20.00	20.00
1	Defence Colony	BRPL			14.85	14.85
2	Hudco	BRPL			10.90	10.90
3	Lajpat Nagar	BRPL			10.90	10.90
4	Nizamuddin	BRPL			10.44	10.44
5	Vidyut Bhawan (Shahjahan Rd)	NDMC			10.80	10.80
6	Ex. Gr. II	BRPL			0.00	0.00
7	IHC	BRPL			0.00	0.00
			0.00	0.00	77.89	77.89
10	Sarita Vihar S/stn	DTL	20.00		5.04	25.04
1	Sarita Vihar	BRPL			10.07	10.07
2	MCIE	BRPL			17.26	17.26
3	Mathura Road	BRPL			11.69	11.69
4	Jamia Millia	BRPL			10.89	10.89
5	Sarai Julena	BRPL			16.29	16.29
6	Jasola	BRPL			5.44	5.44
7	Meethapur	BRPL			14.40	14.40
			20.00	0.00	91.08	111.08

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
11	Wazirabad					
1	Bhagirathi	BYPL		14.40	18.10	32.50
2	Ghonda	BYPL	0.00	22.56	15.94	38.50
3	Seelam Pur	BYPL		10.08	21.39	31.47
4	Dwarkapuri	BYPL			22.66	22.66
5	Nandnagri	BYPL	20.01		16.35	36.36
6	Yamuna Vihar	BYPL			14.40	14.40
7	East of Loni Road	BYPL			18.00	18.00
8	Shastri Park	BYPL			10.90	10.90
9	Karawal Nagar	BYPL			5.40	5.40
10	Sonia Vihar	BYPL			14.70	14.70
			20.01	47.04	157.84	224.89
12	Geeta Colony					
1	Geeta Colony	BYPL			10.49	10.49
2	Kanti Nagar	BYPL			18.10	18.10
3	Kailash Nagar	BYPL			15.48	15.48
4	Seelam Pur	BYPL				0.00
5	Shakar Pur	BYPL			10.80	10.80
6	Krishna Nagar	BYPL			14.40	14.40
			0.00	0.00	69.27	69.27
13	Gazipur S/stn	DTL	40.00		5.04	45.04
1	Dallupura	BYPL	0.00		18.10	18.10
2	Vivek Vihar	BYPL			9.57	9.57
3	GT Road	BYPL			10.85	10.85
4	Kondli	BYPL	20.00		5.04	25.04
5	MVR-I	BYPL			10.90	10.90
6	MVR-II	BYPL	20.00		10.44	30.44
7	PPG Ind. Area	BYPL			10.06	10.06
8	New Kondli	BYPL			10.80	10.80
			80.00	0.00	90.80	170.80
14	Patparganj S/stn	DTL	40.00	20.00	5.04	65.04
1	GH-I	BYPL	19.89		15.85	35.74
2	GH-II	BYPL	20.09		18.10	38.19
3	CBD	BYPL		10.03	15.48	25.51
4	Guru Angad Nagar	BYPL			15.49	15.49
5	Karkadooma	BYPL		10.80	10.44	21.24
6	Preet Vihar	BYPL			10.08	10.08
7	CBD-II	BYPL			10.80	10.80
8	Shakarpur	BYPL				0.00

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
9	Jhilmil	BYPL			10.80	10.80
10	Dilshad Garden	BYPL	20.16		15.48	35.64
11	Khichripur	BYPL	21.79		15.89	37.68
12	Mother Dairy	BYPL				0.00
13	Scope Building	BYPL				0.00
14	Vivek Vihar	BYPL			7.20	7.20
15	Akhardham	BYPL			14.60	14.60
			121.93	40.83	165.25	328.01
15	Najafgarh S/stn	DTL	60.00		5.04	65.04
1	A4 Paschim Vihar	BRPL			10.80	10.80
2	Nangloi	BRPL	21.73		15.84	37.57
3	Nangloi W/W	BRPL	20.89		10.85	31.74
4	Pankha Road	BRPL			15.88	15.88
5	Jaffarpur	BRPL			26.23	26.23
7	Inst. Area Janakpuri (Sagarpur)	BRPL			17.60	17.60
8	Paschimpuri	BRPL		10.05	15.47	25.52
9	Paschim Vihar	BRPL	41.83		15.43	57.26
10	Mukherjee Park	BRPL			20.83	20.83
11	Udyog Nagar	BRPL			10.43	10.43
12	Choukhandi	BRPL			10.07	10.07
13	DJB Najafgarh	BRPL			21.60	21.60
			144.45	10.05	196.07	350.57
16	Pappankalan-I S/stn	DTL	20.00		5.04	25.04
1	Bindapur Grid G-3 PPK	BRPL	21.73		15.85	37.58
2	Bodella-I	BRPL	20.10		21.70	41.80
3	Bodella-II	BRPL	21.73		17.64	39.37
4	DC Janakpuri	BRPL			10.03	10.03
5	G-2 PPK (Nasirpur)	BRPL			16.20	16.20
6	G-5 PPK (Matiala)	BRPL			22.71	22.71
7	G-6 PPK	BRPL			12.60	12.60
8	G-7 PPK	BRPL			21.60	21.60
9	G-15 PPK	BRPL			10.80	10.80
10	Harinagar	BRPL			16.25	16.25
11	Rewari line	TPDDL			5.44	5.44
			83.56	0.00	175.86	259.42

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
17	BBMB Rohtak Road					
1	S.B. Mill	BRPL			10.07	10.07
2	Rama Road	TPDDL			10.88	10.88
3	Ram Pura	TPDDL			10.48	10.48
4	Rohtak Road	TPDDL			10.08	10.08
5	Vishal	BRPL			10.40	10.40
6	Madipur	BRPL			10.43	10.43
7	Sudershan Park	TPDDL			10.08	10.08
8	Kirti Nagar	TPDDL			7.20	7.20
			0.00	0.00	79.62	79.62
18	Shalimarbagh S/stn	DTL		40.00	6.00	46.00
1	S.G.T. Nagar	TPDDL			7.20	7.20
2	Ashok Vihar	TPDDL			0.00	0.00
3	Haiderpur	TPDDL			11.39	11.39
4	SMB FC	TPDDL			12.64	12.64
5	Rani Bagh	TPDDL			14.40	14.40
6	SMB KHOSLA	TPDDL			7.20	7.20
			0.00	40.00	58.83	98.83
19	Subzimandi S/stn	DTL			6.00	6.00
1	Shakti Nagar	TPDDL			5.04	5.04
2	Gulabibagh	TPDDL			10.88	10.88
3	Shahzadabagh	TPDDL			15.79	15.79
4	DU	TPDDL			7.20	7.20
5	Tripolia	TPDDL			10.88	10.88
6	B. G. Road	BYPL			5.40	5.40
			0.00	0.00	61.19	61.19
20	Narela S/stn	DTL	40.00		5.04	45.04
1	A-7 Narela	TPDDL			10.88	10.88
2	Azad Pur	TPDDL			22.80	22.80
3	Badli	TPDDL	20.00		5.95	25.95
4	DSIDC Narela-1	TPDDL			5.95	5.95
5	GTK	TPDDL			8.44	8.44
6	Jahangirpuri	TPDDL	20.00	10.00	0.00	30.00
7	Bhalswa	TPDDL			12.64	12.64
8	Pitampura-I	TPDDL	20.00		12.24	32.24
9	RG-1	TPDDL			7.20	7.20
			100.00	10.00	91.14	201.14

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
21	Gopalpur S/stn	DTL		30.00	5.04	35.04
1	Hudson Lane	TPDDL			5.95	5.95
2	Wazirabad	TPDDL			7.20	7.20
3	Indra Vihar	TPDDL			5.04	5.04
4	DIFR	TPDDL				0.00
5	GTK Road	TPDDL			8.44	8.44
6	Jahangirpuri	TPDDL	20.00	20.00	7.20	47.20
7	Civil lines	TPDDL			7.20	7.20
8	Pitam Pura-3	TPDDL			7.20	7.20
9	SGT Nagar	TPDDL			13.15	13.15
10	Tiggipur	TPDDL			10.88	10.88
11	Model Town	TPDDL			14.40	14.40
12	Azad Pur	TPDDL			22.80	22.80
13	Dheerpur	TPDDL			14.40	14.40
			20.00	50.00	128.90	198.90
22	Rohini S/stn	DTL	40.00		6.00	46.00
1	Rohini Sec-22	TPDDL			18.08	18.08
2	Rohini Sec-24	TPDDL			7.20	7.20
3	Rohini-3	TPDDL			5.95	5.95
4	Rohini-4	TPDDL			11.39	11.39
5	Rohini-5	TPDDL			11.39	11.39
6	Rohini-6	TPDDL			0.00	0.00
7	Mangolpuri-2	TPDDL	20.00		7.20	27.20
8	Pitam Pura-1	TPDDL			0.00	0.00
9	Pitam Pura-2	TPDDL			10.48	10.48
10	Rohini DC-1	TPDDL			14.40	14.40
11	AIR Kham pur	TPDDL			11.90	11.90
			60.00	0.00	103.99	163.99
23	Kanjhawala S/stn	DTL	20.00		5.04	25.04
1	Bawana Clear Water	TPDDL			14.30	14.30
2	Pooth Khoord	TPDDL	20.00		7.20	27.20
4	Rohini -2	TPDDL			13.15	13.15
			40.00	0.00	39.69	79.69
24	BAWANA S/stn					
1	Bawana S/stn No. 6	TPDDL			10.88	10.88
2	Bawana S/stn No. 7	TPDDL			7.20	7.20
			0.00	0.00	18.08	18.08

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
25	Kashmeregate S/stn	DTL			5.04	5.04
1	Civil lines	TPDDL			7.20	7.20
2	Town Hall	BYPL			8.64	8.64
3	Fountain	BYPL			5.45	5.45
			0.00	0.00	26.33	26.33
26	Pappankalan-II					
1	DMRC	BRPL				0.00
2	HASTAL	BRPL			21.60	21.60
3	GGSH	BRPL			10.80	10.80
4	66kV G-4	BRPL			21.60	21.60
			0.00	0.00	54.00	54.00
27	Trauma Center (AIIMS)					
1	AIIMS	NDMC		13.26	5.04	18.30
2	Trauma Center	NDMC			10.08	10.08
3	Netaji Nagar	NDMC			15.12	15.12
4	Sanjay Camp	NDMC			10.08	10.08
5	Kidwai Nagar	NDMC			10.08	10.08
6	SJ Airport	NDMC			5.04	5.04
7	Race Course	NDMC			10.44	10.44
			0.00	13.26	65.88	79.14
28	MUNDKA					
1	Mangolpuri-I	TPDDL			19.10	19.10
2	Rohini Sec-23	TPDDL	20.00		14.20	34.20
3	66kV Mundka	BRPL			21.60	21.60
			20.00	0.00	54.90	74.90
29	DSIDC BAWANA					
1	DSIDC NRL-1	TPDDL	0.00			0.00
2	DSIDC NRL-2	TPDDL			21.60	21.60
3	Bawana Clear Water	TPDDL			21.60	21.60
4	Bawana-1	TPDDL			14.40	14.40
			0.00	0.00	57.60	57.60
30	RIDGE VALLEY					
1	Keventry Diary	NDMC			10.08	10.08
2	Nehru Park	NDMC			5.04	5.04
3	State Guest House	NDMC			5.40	5.40
4	Bapu Dham	NDMC			15.48	15.48
5	66kV Vasant Kunj Inst. Area	BRPL			21.60	21.60
			0.00	0.00	57.60	57.60

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
31	IP EXTN (PRAGATI)					
1	Vidyut Bhawan	NDMC			10.08	10.08
2	Dalhousie Road	NDMC			5.04	5.04
3	National Archives	NDMC			10.08	10.08
4	School Lane	NDMC			10.44	10.44
			0.00	0.00	35.64	35.64
32	Wazirpur					
1	Tri Nagar	TPDDL			14.80	14.80
2	Wazirpur-1	TPDDL			18.80	18.80
3	Wazirpur-2	TPDDL			13.20	13.20
4	Ashok vihar	TPDDL			20.47	20.47
5	Azad Pur	TPDDL			22.80	22.80
6	GTK	TPDDL			8.44	8.44
			0.00	0.00	98.51	98.51
33	Peeragarhi					
1	Rani Bagh	TPDDL			0.00	0.00
2	Rani Bagh cc	TPDDL			9.60	9.60
			0.00	0.00	9.60	9.60
34	Rohini-II					
1	Rohini-6	TPDDL			13.15	13.15
2	Siraspur	TPDDL			14.80	14.80
			0.00	0.00	27.95	27.95

ALL FIGURES IN MVAR

Utility	HT	LT	Total
BYPL	903.49	102.00	1005.49
BRPL	1257.93	242.00	1499.93
TPDDL*	969.12	119.00	1088.12
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	4184.02	487.00	4671.02

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF JULY2018

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.07.18	06:14	VASANT KUNJ 220/66kV 160MVA Tx-I	01.07.18	13:45	86
2	01.07.18	06:27	LODHI RD 220/33kV 100MVA Tx-I	01.07.18	18:40	DIFFERENTIAL, RYB PHASE.
3	02.07.18	19:35	220kV WAZIRABAD-GEETA COLONY CKT-II	02.07.18	20:29	AT WAZIRABAD : DIST PROT, DIST 782 MTS. AT GEETA COLONY : DIST PROT, ZONE-II, III, DIST 23.43KM, 86ABC.
4	02.07.18	19:50	220kV GAZIPUR- PATPARGANJ CKT	02.07.18	20:50	AT GAZIPUR : O/C, RY PHASE, GENERAL TRIP. AT PATPARGANJ : CKT DID NOT TRIP.
5	02.07.18	20:21	220kV PRAGATI - SARITA VIHAR CKT - I	02.07.18	22:24	AT SARITA VIHAR : DIST PROT, ZONE-III , III, DIST 9.615KM. AT PRAGATI : DIST PROT, ZONE-I, DIST 2.896KM.
6	02.07.18	20:30	SARITA VIHAR 66/11kV, 20MVA Tx-I	02.07.18	20:38	O/C
7	03.07.18	07:27	BAWANA 400/220kV 315MVA ICT-V	03.07.18	08:46	SPARKING ON BUSHING.
8	03.07.18	08:17	GAZIPUR 220/66kV 160MVA Tx-I	03.07.18	10:21	O/C & HEAVY JERK.
9	03.07.18	08:17	GAZIPUR 220/66kV 160MVA Tx-I	03.07.18	10:21	O/C & HEAVY JERK.
10	03.07.18	06:22	220kV GAZIPUR- PATPARGANJ CKT	03.07.18	12:55	AT GAZIPUR : LINE DIFFERENTIAL, O/C, MASTER TRIP.
11	03.07.18	16:36	220kV Harsh Vihar - Preet Vihar Ckt-II	04.07.18	18:48	AT HARSH VIHAR : MAIN-I, 86, RYB PHASE. AT PREET VIHAR : DIST PROT, ZONE-I.
12	03.07.18	20:48	220kV BAWANA-DSIIDC BAWANA CKT-II	03.07.18	21:52	AT DSIDC BAWANA : R PHASE, AT BAWANA : CKT DID NOT TRIPPED.
13	04.07.18	08:01	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	04.07.18	16:03	86, 186, BUCHHOLZ,
14	04.07.18	16:50	NAJAFGARH 66kV 20MVAR CAP. BANK-I	04.07.18	19:15	TRIPPED.
15	05.07.18	05:27	220KV SHALIMARBAGH-WAZIRPUR CKT-II	05.07.18	10:18	AT SHALIMARBAGH : DIST PROT, ZONE-I, SOTF, 86.
16	05.07.18	10:18	220KV SHALIMARBAGH-WAZIRPUR CKT-II	05.07.18	14:02	AT SHALIMARBAGH : DIST PROT, MAIN-I, SOTF.
17	05.07.18	14:49	NARAINA 220/33kV 100MVA Tx-II	05.07.18	16:51	SPARKING ON Y PHASE CB CLAMP.
18	05.07.18	15:53	220kV MAHARANI BAGH - SARITA VIHAR CKT	05.07.18	17:31	AT MAHARANI BAGH : DIST PROT, ZONE-I, RYB PHASE, DIST 7.2KM. AT SARITA VIHAR : DIST PROT, ZONE-I, R PHASE, DIST 3.701KM.
19	05.07.18	15:57	PARKSTREET 220/33kV 100MVA Tx-I	05.07.18	16:04	TRIPPED WITHOUT INDICATION.
20	05.07.18	17:55	SARITA VIHAR 220/66kV 100MVA Tx-II	05.07.18	21:20	ATTENDING OIL LEAKAGE ON B PHASE CT.
21	05.07.18	19:50	220kV MUNDKA-NAJAFGARH CKT	06.07.18	04:46	AT MUNDKA : DIST PROT, ZONE-I, II, DIST 11.4KM.
22	06.07.18	15:35	NARELA 66/11kV, 20MVA Tx-I	06.07.18	19:27	86, E/F.
23	07.07.18	22:02	MUNDKA 400/220KV 315MVA ICT-III	07.07.18	23:58	86A&B.
24	07.07.18	22:02	400kV Mundka-Jhatikara Ckt-I	08.07.18	00:10	AT MUNDKA : DIST PROT, ZONE-I, B PHASE.
25	07.07.18	23:15	220kV BAWANA - KANJHAWALA CKT - 1	07.07.18	23:27	AT KHANJAWALA : O/C, ACTIVE GROUP -I. AT BAWANA : CKT. DID NOT TRIPPED.
26	07.07.18	23:15	220kV BAWANA - KANJHAWALA CKT- 2	07.07.18	23:57	AT BAWANA : O/C, RY PHASE, DIST PROT, DIST 38.65KM, MASTER 86.
27	07.07.18	23:35	NAJAFGARH 220/66kV 100MVA Tx-IV	07.07.18	23:37	TRIPPED WITHOUT INDICATION.
28	07.07.18	23:35	NAJAFGARH 220/66kV 100MVA Tx-II	07.07.18	23:37	TRIPPED WITHOUT INDICATION.
29	08.07.18	17:38	PARKSTREET 66/33kV, 30MVA Tx-I	09.07.18	01:49	86, DIFFERENTIAL.
30	10.07.18	19:22	PEERA GARHI 220/33kV 100MVA Tx-III	11.07.18	03:01	DIFFERENTIAL, B PHASE, SUPERVISION RELAY, I/C ALSO TRIPPED ON 86B.
31	11.07.18	14:10	220kV BAMNAULI-NAJAFGARH CKT-I	12.07.18	05:35	AT BAMNAULI : DIST. PROT, ZONE-I, DIST 6.871KM.
32	12.07.18	14:15	MEHRAULI 220/66kV 100MVA Tx-II	12.07.18	14:35	ATTEND LEAKAGE.
33	12.07.18	17:10	220kV GAZIPUR - BTPS CKT	12.07.18	17:35	AT GAZIPUR : POLE DISCREPANCY.
34	12.07.18	17:15	220kV MAHARANI BAGH - PRAGATI CKT	12.07.18	18:20	At Maharani Bagh: Dist prot, Zone-II, Dist-3.8Kms. At Pragati: Dist prot, Zone-I, Dist-2.483Kms, E/F.
35	12.07.18	17:15	220kV PRAGATI - SARITA VIHAR CKT - I	12.07.18	20:15	At Pragati: Dist prot, Zone-I, Dist-2.216Kms, C-Ph, 186, O/C, E/F. At Sarita Vihar: : Dist prot, Zone-II, Dist-10.52Kms, ABC Phase, 186,
36	13.07.18	15:16	R K PURAM 220/66kV 160MVA Tx-II	13.07.18	17:05	BUCHOLZ.
37	13.07.18	19:15	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	14.07.18	15:50	BUCHOLZ, 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
38	14.07.18	00:56	SUBZI MANDI 220/33kV 100MVA Tx-II	14.07.18	16:34	REF.
39	16.07.18	03:50	NARAINA 220/33kV 100MVA Tx-III	16.07.18	04:17	I/C TRIPPED ON O/C, E/F.
40	16.07.18	14:13	GOPALPUR 220/33kV 100MVA Tx-I	16.07.18	14:58	O/C.
41	16.07.18	15:17	GOPALPUR 220/33kV 100MVA Tx-I	16.07.18	18:00	SPARKING ON B PHASE BUSHING CLAMP.
42	17.07.18	04:15	NARELA 66kV 20MVAR CAP. BANK-II	17.07.18	17:35	E/F.
43	17.07.18	09:40	RAJGHAT 220/33kV 100MVA Tx-I	17.07.18	10:12	PRV.
44	18.07.18	17:23	220KV WAZIRABAD - MANDOLA CKT-IV	18.07.18	17:36	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 4.367KM.
45	19.07.18	04:14	PEERA GARHI 220/33kV 100MVA Tx-II	19.07.18	10:16	86
46	19.07.18	11:57	PEERA GARHI 220/33kV 100MVA Tx-II	19.07.18	14:45	AT PEERA GARHI: 86, PRD
47	19.07.18	15:18	VASANT KUNJ 220/66kV 100MVA Tx-II	19.07.18	15:50	AT VASANT KUNJ: BUS BAR PROTECTION 96.
48	19.07.18	15:18	220kv MEHRAULI - VASANT KUNJ CKT.- II	19.07.18	19:15	AT VASANT KUNJ: B PHASE, Z-1, 186A & 186B, 96 AT MHL: DIST. PROT. Z-2, B PHASE, 7.54KM
49	19.07.18	21:45	220 KV GOPALPUR-WAZIRABAD CKT - 1	19.07.18	22:09	AT SOW: DC LEAKAGE
50	20.07.18	14:18	WAZIRABAD 220/66kV 160MVA Tx-I	20.07.18	20:02	I/C TRIPPED ON E/F, O/C.
51	21.07.18	10:12	220KV PRAGATI - SARITA VIHAR CKT - I	21.07.18	16:40	AT PRAGATI : DIST PROT, ZONE-I, DIST 1.592KM. AT SARITA VIHAR DIST PROT, ZONE-II, DIST 10.19KM.
52	21.07.18	15:03	GAZIPUR 220/66kV 100MVA Tx-I	21.07.18	15:35	SPR.
53	22.07.18	15:35	RIDGE VALLEY 220/66kV 160MVA Tx-I	22.07.18	19:30	86A&B, TROUBLE ALARM, DIFFERENTIAL PROT.
54	22.07.18	15:40	220KV BAWANA-SHALIMARBAGH CKT-II	22.07.18	16:48	AT SHALIMARBAGH : PD.CVT AVAILABLE.
55	22.07.18	23:36	WAZIRABAD 220/66kV 100MVA Tx-I	23.07.18	14:15	SPR, 86.
56	24.07.18	11:08	220kv MAHARANI BAGH - PRAGATI CKT	24.07.18	13:09	AT PRAGATI : DIST PROT, ZONE-I, DIST 1.518KM, AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 2.8KM.
57	24.07.18	14:55	BAWANA 220/66kV 100MVA Tx	24.07.18	15:15	WITHOUT INDICATION.
58	24.07.18	16:50	SHALIMAR BAGH 220/33kV 100MVA Tx-I	24.07.18	16:52	WITHOUT INDICATION.
59	25.07.18	16:27	220kv Harsh Vihar - Preet Vihar Ckt-I	25.07.18	16:30	AT PREET VIHAR : 86.
60	26.07.18	08:36	220kv SARITA VIHAR - BTPS CKT.-II	26.07.18	12:51	AT SARITA VIHAR : POLE DISCREPANCY.
61	26.07.18	08:41	KANJHAWALA 220/66kV 100MVA Tx-I	26.07.18	13:41	PRV, 86.
62	26.07.18	11:02	HARSH VIHAR 400/220kV 315MVA ICT-III	26.07.18	14:12	OLTC OIL SURGE RELAY TRIP.
63	26.07.18	11:47	220kv DIAL - MEHRAULI CKT-I	26.07.18	17:15	AT MEHRAULI : 86. AT DIAL, MAIN-I, Y PHASE TRIP. DIST PROT, ZONE-I.
64	27.07.18	01:13	400kv Bawana-Mundka Ckt-I	27.07.18	01:30	AT MUNDKA : PD.
65	27.07.18	17:48	220KV PRAGATI - SARITA VIHAR CKT - I	27.07.18	19:30	AT SARITA VIHAR : DIST PROT, ZONE-I, 86ABC, DIST 5.223KM. AT PRAGATI : DIST PROT, ZONE-I, DIST 7.317KM.
66	28.07.18	13:32	220kv Harsh Vihar - Preet Vihar Ckt-II	28.07.18	13:59	At Preet Vihar : Supply failed At Harsh Vihar : DT received, general trip, 86.
67	28.07.18	13:32	220kv Harsh Vihar - Preet Vihar Ckt-I	28.07.18	13:40	At Preet Vihar : Bus bar protection relay operated At Harsh Vihar : Ckt did not trip
68	28.07.18	13:32	220kv Preet Vihar- Patparganj Ckt-II	28.07.18	13:45	At Preet Vihar : Bus bar protection relay operated At Patparganj : supply failed
69	28.07.18	13:32	PREETVIHAR 220/33kV 100MVA Tx-II	28.07.18	14:16	Bus bar protection operated
70	28.07.18	15:01	220kv Harsh Vihar - Preet Vihar Ckt-II	28.07.18	19:23	AT HARSH VIHAR : DT RELAY, 86, GEN TRIP.
71	28.07.18	15:01	220kv Harsh Vihar - Preet Vihar Ckt-I	28.07.18	19:23	AT HARSH VIHAR : 86
72	29.07.18	11:47	MASJID MOTH 220/33kV 100MVA Tx-I	29.07.18	02:15	86
73	29.07.18	12:55	KANJHAWALA 66/11kV, 20MVA Tx-II	29.07.18	15:37	BUCHHOLZ.
74	29.07.18	16:01	220kv SARITA VIHAR - BTPS CKT.-II	29.07.18	19:35	CB FAULTY.
75	29.07.18	16:01	220kv MAHARANI BAGH - PRAGATI CKT	29.07.18	16:20	AT PRAGATI : DIST PROT, ZONE-I, DIST 2.692KM, E/F.
76	30.07.18	19:30	NAJAFGARH 220/66kV 100MVA Tx-II	30.07.18	19:35	186
77	30.07.18	19:50	NARAINA 220/33kV 100MVA Tx-III	31.07.18	00:17	RED HOT POINT ON CT CLAMP.
78	31.07.18	22:15	MUNDKA 400/220kV 315MVA ICT-II	01.08.18	06:57	POLE DISCREPANCY.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF JULY 2018

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