

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

NOV - 2018

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Sr. No.	Features	NOV 2017	NOV 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)	3695	3788
	Date	01.11.2017	02.11.2018
	Time	18.22.59	18.21.11
3	Peak Demand met (MW)	3695	3788
	Date	01.11.2017	02.11.2018
	Time	18.22.59	18.21.11
4	Peak Availability (MW)	3588	3654
5	Shortage (-) / Surplus (+) in MW	(-) 107	(-) 134
6	Percentage Shortage (-) / Surplus (+)	(-) 2.90	(-) 3.54
7	Maximum Energy Consume in a day (Mus)	71.967	71.267
8	Energy Consumed during the month	1896.704	1837.778
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	0.008	0.076
	BRPL	0.000	0.000
	BYPL	0.000	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	0.008	0.076
B)	Due to Constraints in System in Mus		
	DTL	0.144	0.153
	NDPL	0.025	0.031
	BRPL	0.035	0.164
	BYPL	0.346	0.024
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.002	0.000
	Total	0.552	0.372
11	Grand Total in Mus	0.560	0.448

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING NOV 2018

A) For the month of Nov 2018

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	RPH	0.000	0.151	-0.151	0.00	0.00
2.	GT	36.365	1.376	34.989	91.56	137.77
3.	PPCL	117.370	2.492	114.878	102.41	121.48
4.	BTPS	0.000	-1.711	-1.711	0.00	0.00
5.	Rithala	0.000	0.000	0.000	--	--
6.	Bawana	314.240	11.422	302.818	80.26	469.43
7.	Towmcl	14.029	2.007	12.082	--	--
8.	EDWPCL	5.681	1.057	4.624	--	--
9.	DMSWL	11.363	2.001	9.362	--	--
	TOTAL	499.048	18.795	476.891	--	728.68

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Nov 2018	Availability (%) for Nov 2018	PLF (%) for Nov 2018	Cumulative Generation in MUs upto Nov 2018 for the year 2018-19	Cumulative Availability in % upto Nov 2018 for the year 2018-19	Cumulative PLF in % upto Nov 2018 for the year 2018-19
RPH	135	-0.151	0.00	0.00	-1.744	0.00	0.00
GT	270	34.989	91.56	18.51	434.240	77.89	28.39
PPCL	330	114.878	102.41	49.70	1150.032	88.95	61.18
BTPS	705	-1.711	0.00	0.00	1241.456	48.93	34.72
Rithala	108	0.000	--	--	-0.370	--	--
Bawana	1372	302.818	80.26	31.49	2541.048	73.20	33.03
Towmcl	16	12.082	--	--	94.511	--	--
EDWPCL	--	4.624	--	--	19.763	--	--
DMSWL	--	9.362	--	--	76.504	--	--
TOTAL	2936	476.891	--	--	5555.44	--	--

**3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2018
(DETAILS OF OUTAGES WILL BE UPDATED LATER)**

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	31.08.18	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	20.08.18	11.42	
		23.08.18	11.00	31.08.18	23.59	

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. available
		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	31.8.18	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 stopped as per SLDC message due to low demand
		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.
		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 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		
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	31.8.18	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 stopped as per SLDC message due to low demand
		23.5.18	23:08	25.5.18	16:03	Machine tripped on Exhaust overtemperature.
		26.5.18	12:23	26.5.18	16:35	Machine tripped on heavy jerk and there was a CW line leakage.
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.
		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.
28.08.18	16:19	28.08.18	20:07			

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	20.08.18	15:40	Machine was not started due to low demand from SLDC..
		20.08.18	16:05	20.08.18	22:45	Unit tripped on high viberation in bearing.
23.08.18	11:00	31.08.18	23:59	Machine stopped as per SLDC message due to low demand		

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	31.8.18	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.		
28.08.18	16:39	28.08.18	21:25	Machine tripped on Bearing vibration high.		
29.08.18	17:25	29.08.18	18.16	Machine tripped on GE Protection Main fuse failure and AVR VT fuse failure alarm on backup desk.		

(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	
		28.07.18	00.10	03.08.18	12.30	Stopped due to low demand.
		06.08.18	12.31	13.08.18	17.20	

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.
		13.08.18	18.51	13.08.18	21.15	Unit stopped for checking of diverter dumper seal
		13.08.18	21.15	16.08.18	14.30	Stopped due to low demand.
		16.08.18	14.30	30.08.18	18.45	Unit stopped due to repairing of diverter dumper.
30.08.18	18.45	31.08.18	23.59	Stopped due to low demand.		

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.
		14.08.18	19.30	14.08.18	22.45	Tripped due to grid disturbance
		16.08.18	15.32	23.08.18	09.59	GCB oil leakage.
		29.08.18	08.05	29.08.18	09.10	Tripped on internal fault.
29.08.18	14.01	29.08.18	16.28			

(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	31.08.18	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	31.08.18	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	31.08.18	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	01.08.18	05.29	Reserve shutdown
		07.08.18	11.06	08.08.18	15.17	Boiler tube leakage
		09.08.18	01.08	09.08.18	17.54	ID Fan bearing temp high.

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.
		17.08.18	13.40	17.08.18	22.00	Unit tripped due to low lube oil header pressure, STG also tripped manually.
		28.08.18	05.08	28.08.18	18.45	Unit tripped due to rotor earth fault.

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.
		17.08.18	13.40	17.08.18	22.00	Unit tripped due to low lube oil header pressure, STG also tripped manually.
		28.08.18	05.08	28.08.18	18.45	Unit tripped due to rotor earth fault.

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
		17.08.18	13.40	17.08.18	22.00	Unit tripped due to low lube oil header pressure, STG also tripped manually.
		28.08.18	05.08	28.08.18	18.45	Unit tripped due to rotor earth fault.
29.08.18	15.29	29.08.18	16.35	Unit tripped due to generator electrical protection alarm.		

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	31.08.18	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	31.08.18	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	31.08.18	23.59	Stopped due to low demand and high frequency

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)
<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
TOTAL	9782	1302	2306	2016	0	0	2016
<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
Dhauri 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>SJVNL</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	17627	1990	3132	2793	0	0	2793
<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	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 NOV 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	Bawana	Towmel	East Delhi	DMS WL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(7)	(8)				(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	18.11.59	0	76	156	768	17	8	10	-3	1032	2688	2641	47	3720	0	3720
2	18.21.11	0	74	156	692	16	-1	6	-3	940	2848	2714	134	3788	0	3788
3	18.18.44	0	71	156	679	18	9	9	-3	939	2585	2531	54	3524	0	3524
4	18.33.41	0	76	158	863	17	9	8	-3	1128	2152	2122	30	3280	0	3280
5	18.33.05	0	77	161	432	14	4	15	-3	700	2764	2767	-3	3464	0	3464
6	11.06.56	0	29	161	232	19	10	17	-3	465	2913	2847	66	3378	0	3378
7	18.18.20	0	31	160	210	19	-1	14	-3	430	2394	2509	-115	2824	0	2824
8	10.00.13	0	35	159	208	18	9	18	-3	444	2178	2091	87	2622	0	2622
9	10.06.09	0	41	158	253	16	10	15	-3	490	2653	2576	77	3143	0	3143
10	10.45.33	0	41	160	244	18	8	15	-3	483	2588	2471	117	3071	0	3071
11	11.14.14	0	40	158	257	18	-1	7	-3	476	2506	2457	49	2982	0	2982
12	09.57.00	0	40	160	328	19	10	16	-3	570	2738	2562	176	3308	0	3308
13	10.45.06	0	40	160	515	17	9	16	-3	754	2620	2522	98	3374	0	3374
14	09.35.41	0	39	156	430	18	-1	10	-3	649	2653	2509	144	3302	0	3302
15	18.00.00	0	40	159	503	18	-1	13	-3	729	2559	2549	10	3288	0	3288
16	11.00.00	0	40	160	421	17	10	18	-3	663	2724	2608	116	3387	0	3387
17	10.38.20	0	41	162	451	18	9	14	-3	692	2621	2467	154	3313	0	3313
18	10.44.11	0	40	158	302	17	10	11	-3	535	2702	2635	67	3237	0	3237
19	10.08.45	0	40	158	432	18	9	11	-3	665	2746	2586	160	3411	0	3411
20	10.34.51	0	41	160	431	18	8	17	-3	672	2642	2592	50	3314	0	3314
21	10.55.27	0	82	159	604	16	7	11	-3	876	2657	2405	252	3533	0	3533
22	10.30.00	0	71	33	477	17	9	15	-3	619	2692	2576	116	3311	0	3311
23	10.18.01	0	40	158	538	14	4	12	-3	763	2826	2680	146	3589	0	3589
24	10.13.47	0	40	160	546	16	6	16	-3	781	2497	2401	96	3278	0	3278
25	11.03.28	0	40	157	427	14	6	16	-3	657	2709	2593	116	3366	0	3366
26	10.13.22	0	40	160	429	16	6	15	-3	663	2729	2653	76	3392	0	3392
27	11.13.00	0	41	153	489	13	6	14	-3	713	2627	2526	101	3340	0	3340
28	10.51.16	0	41	153	626	17	10	16	-3	860	2578	2617	-39	3438	0	3438
29	10.02.41	0	41	153	464	18	10	16	-3	699	2745	2552	193	3444	0	3444
30	10.07.00	0	105	151	639	19	8	13	-3	932	2640	2530	110	3572	0	3572

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING NOV 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	Bawana	Towmel	East Delhi	DMS WL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(7)	(8)				(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	18.11.59	0	76	156	768	17	8	10	-3	1032	2688	2641	47	3720	0	3720
2	18.21.11	0	74	156	692	16	-1	6	-3	940	2848	2714	134	3788	0	3788
3	18.18.44	0	71	156	679	18	9	9	-3	939	2585	2531	54	3524	0	3524
4	18.33.41	0	76	158	863	17	9	8	-3	1128	2152	2122	30	3280	0	3280
5	18.33.05	0	77	161	432	14	4	15	-3	700	2764	2767	-3	3464	0	3464
6	11.06.56	0	29	161	232	19	10	17	-3	465	2913	2847	66	3378	0	3378
7	18.18.20	0	31	160	210	19	-1	14	-3	430	2394	2509	-115	2824	0	2824
8	10.00.13	0	35	159	208	18	9	18	-3	444	2178	2091	87	2622	0	2622
9	10.06.09	0	41	158	253	16	10	15	-3	490	2653	2576	77	3143	0	3143
10	10.45.33	0	41	160	244	18	8	15	-3	483	2588	2471	117	3071	0	3071
11	11.14.14	0	40	158	257	18	-1	7	-3	476	2506	2457	49	2982	0	2982
12	09.57.00	0	40	160	328	19	10	16	-3	570	2738	2562	176	3308	0	3308
13	10.45.06	0	40	160	515	17	9	16	-3	754	2620	2522	98	3374	0	3374
14	09.35.41	0	39	156	430	18	-1	10	-3	649	2653	2509	144	3302	0	3302
15	18.00.00	0	40	159	503	18	-1	13	-3	729	2559	2549	10	3288	0	3288
16	11.00.00	0	40	160	421	17	10	18	-3	663	2724	2608	116	3387	0	3387
17	10.38.20	0	41	162	451	18	9	14	-3	692	2621	2467	154	3313	0	3313
18	10.44.11	0	40	158	302	17	10	11	-3	535	2702	2635	67	3237	0	3237
19	10.08.45	0	40	158	432	18	9	11	-3	665	2746	2586	160	3411	0	3411
20	10.34.51	0	41	160	431	18	8	17	-3	672	2642	2592	50	3314	0	3314
21	10.55.27	0	82	159	604	16	7	11	-3	876	2657	2405	252	3533	0	3533
22	10.30.00	0	71	33	477	17	9	15	-3	619	2692	2576	116	3311	0	3311
23	10.18.01	0	40	158	538	14	4	12	-3	763	2826	2680	146	3589	0	3589
24	10.13.47	0	40	160	546	16	6	16	-3	781	2497	2401	96	3278	0	3278
25	11.03.28	0	40	157	427	14	6	16	-3	657	2709	2593	116	3366	0	3366
26	10.13.22	0	40	160	429	16	6	15	-3	663	2729	2653	76	3392	0	3392
27	11.13.00	0	41	153	489	13	6	14	-3	713	2627	2526	101	3340	0	3340
28	10.51.16	0	41	153	626	17	10	16	-3	860	2578	2617	-39	3438	0	3438
29	10.02.41	0	41	153	464	18	10	16	-3	699	2745	2552	193	3444	0	3444
30	10.07.00	0	105	151	639	19	8	13	-3	932	2640	2530	110	3572	0	3572

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

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

A (i) RPH	0.000
(ii) GT+STG	36.365
(iii) PRAGATI	117.370
(iv) RITHALA	0.000
(v) BAWANA CCGT	314.240
(vi) Timarpur ó Okhla	14.089
EDWPCL	5.861
DMSWL	11.363
TOTAL	499.108
B) AVAILABILITY FROM BTPS	-1.720
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	20.506
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	476.882

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	0.000	0.000	0.000	0.000
SALAL	14.089	13.708	14.089	13.708
SASAN	289.528	280.303	289.528	280.303
TANKAPUR	3.913	3.795	3.913	3.795
CHAMERA	7.968	7.767	7.968	7.767
CHAMERA -II	9.424	9.185	9.424	9.185
CHAMERA -III	5.801	5.654	5.801	5.654
DHAULIGANGA	6.744	6.573	6.744	6.573
SEWA -2	3.004	2.924	3.004	2.924
URI	18.734	18.265	18.734	18.265
URI-II	13.989	13.669	13.989	13.669
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	6.710	6.502	6.710	6.502
PARBATI3	3.260	3.169	3.260	3.169
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	11.303	10.891	3.455	3.349
ANTA (RLNG)	18.734	18.043	0.100	0.316
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	8.791	8.570	2.905	2.831
DADRI (RLNG)	54.167	53.061	0.719	0.706
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	4.786	4.637	1.174	1.141
AURAIYA (RLNG)	43.066	41.759	0.521	0.507
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	100.565	97.048	98.329	94.885
SINGRAULI_HYDRO	0.000	0.000	0.000	0.000
RIHAND -I	57.576	55.551	57.329	55.313
RIHAND -II	81.017	78.126	80.394	77.527
RIHAND -III	81.017	78.090	77.480	74.682
UNCHAHAH-I	15.268	14.873	12.680	12.352
UNCHAHAH-II	30.765	29.965	25.822	25.152
UNCHAHAH-III	19.001	18.507	16.089	15.672
UNCHAHAH-IV	0.000	0.000	0.000	0.000
DADRI (TH)	389.292	381.010	251.942	246.643
DADRI (TH) STAGE-II	450.188	440.555	347.064	339.638
NAPP	30.879	29.935	30.879	29.935
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	38.490	37.078	38.490	37.078
NATHPA JHAKRI	28.521	27.656	28.521	27.656
DULASTI	18.168	17.675	18.168	17.675
TEHRI	12.961	12.566	12.961	12.566

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
JHAJJAR	325.237	318.361	264.290	258.721
KHELGAON	29.300	28.679	24.630	24.109
KHELGAON-II	98.448	96.364	88.614	86.738
FARAKA	14.583	14.280	11.721	11.478
TALA	3.500	3.411	3.500	3.411
TALCHER	0.000	0.000	0.000	0.000
DVC	230.517	228.830	228.830	226.912
TUTICORIN - BRPL	5.991	5.933	5.933	5.878
ADHPL (KULLU)	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.132	0.130	0.130	0.128
KARNATAKA	0.025	0.025	0.025	0.025
MADHYA PRADESH	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	150.025	148.939	148.939	147.651
DVC MEJIA (LT-08)(BYPL)	61.349	60.899	60.899	60.388
URS	0.222	0.220	0.222	0.220
JAMMU & KASHMIR	0.221	0.218	0.218	0.216
HIMACHAL PRADESH	13.525	13.247	13.247	13.134
DB POWER	0.505	0.497	0.497	0.494
MIZORAM	1.494	1.468	1.468	1.453
NAGALAND	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	1.625	1.592	1.592	1.579
HARYANA (LT-05)	44.373	43.830	43.830	43.486
SIKKIM	0.000	0.000	0.000	0.000
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	5.368	5.308	5.308	5.262
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	2.540	2.479	2.479	2.458
RAJASTHAN(SOLAR) BYPL - LT-35	2.505	2.445	2.445	2.424
RAJASTHAN(SOLAR) TPDDL LT-31	2.508	2.448	2.448	2.427
TO JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	-116.575	-118.309	-118.309	-119.847
TO MADHYA PRADESH	-107.838	-109.810	-109.810	-111.220
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO CHATTISHGARH	-8.965	-9.137	-9.137	-9.265
TO J&K	-70.704	-71.696	-71.696	-72.617
TO ODISHA	-9.883	-10.050	-10.050	-10.195
TO UTTARAKHAND	-39.116	-39.637	-39.637	-40.146
TO MAHARASHTRA	-53.559	-54.391	-54.391	-55.087
TO MEGHALAYA	-21.090	-21.424	-21.424	-21.727
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-185.287	-189.701	-189.701	-192.153
TO GUJRAT	-37.655	-38.267	-38.267	-38.794
POWER EXCHANGE(IEX)	10.039	9.935	10.039	9.935
TO POWER EXCHANGE (IEX)	-299.561	-303.308	-299.561	-303.308
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)	-18.760	-19.003	-18.760	-19.003
TO SHARE PROJECT (PUNJAB)	-20.185	-20.445	-20.185	-20.445
TOTAL	1892.573	1811.473	1408.563	1341.862

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	1365.538	1330.686	976.004	950.715
NTPC - ER	142.331	139.323	124.965	122.325
NHPC	105.094	102.385	105.094	102.385
NPC	69.369	67.013	69.369	67.013
SASAN	289.528	280.303	289.528	280.303
KOTESHWAR	6.710	6.502	6.710	6.502
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	28.521	27.656	28.521	27.656
TEHRI	12.961	12.566	12.961	12.566
TALA	3.500	3.411	3.500	3.411
JHAJJAR	325.237	318.361	264.290	258.721
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	2.540	2.479	2.479	2.458
RAJASTHAN SOLAR(BYPL)T-35	2.505	2.445	2.445	2.424
RAJASTHAN SOLAR(TPDDL)T-31	2.508	2.448	2.448	2.427
DVC	230.517	228.830	228.830	226.912
TUTICORIN BRPL	5.991	5.933	5.933	5.878
ADHPL (KULLU)	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.132	0.130	0.130	0.128
KARNATAKA	0.025	0.025	0.025	0.025
MADHYA PRADESH	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	150.025	148.939	148.939	147.651
DVC MEJIA (LT-08)(BYPL)	61.349	60.899	60.899	60.388
URS	0.222	0.220	0.222	0.220
JAMMU & KASHMIR	0.221	0.218	0.218	0.216
HIMACHAL PRADESH	13.525	13.247	13.247	13.134
DB POWER	0.505	0.497	0.497	0.494
MIZORAM	1.494	1.468	1.468	1.453
NAGALAND	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	1.625	1.592	1.592	1.579
HARYANA (LT -05)	44.373	43.830	43.830	43.486
SIKKIM	0.000	0.000	0.000	0.000
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	5.368	5.308	5.308	5.262
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	10.039	9.935	10.039	9.935
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	2881.751	2816.650	2409.491	2355.670

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	-116.575	-118.309	-118.309	-119.847
TO MADHYA PRADESH	-107.838	-109.810	-109.810	-111.220
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO J&K	-70.704	-71.696	-71.696	-72.617
TO CHATTISHGARH	-8.965	-9.137	-9.137	-9.265
TO ODISHA	-9.883	-10.050	-10.050	-10.195
TO UTTARAKHAND	-39.116	-39.637	-39.637	-40.146
TO MAHARASHTRA	-53.559	-54.391	-54.391	-55.087
TO MEGHALAYA	-21.090	-21.424	-21.424	-21.727
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-185.287	-189.701	-189.701	-192.153
TO GUJRAT	-37.655	-38.267	-38.267	-38.794
TO POWER EXCHANGE (IEX)	-299.561	-303.308	-299.561	-303.308
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-18.760	-19.003	-18.760	-19.003
TO SHARE PROJECT (PUNJAB)	-20.185	-20.445	-20.185	-20.445
TOTAL	-989.178	-1005.178	-1000.928	-1013.807
TOTAL SCHEDULED DRAWAL FROM THE GRID	1892.573	1811.473	1408.563	1341.862

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS	1858.284
NET CONSUMPTION	1837.778
AVAILABILITY WITHIN DELHI	476.896
ACTUAL DRAWAL FROM THE GRID	1360.896
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY	19.034
LOAD SHEDDING	0.448
UNRESTRICTED DEMAND (GROSS)	1858.732
UNRESTRICTED DEMAND (NET)	1838.226
MAX. NET CONSUMPTION	71.267 ON 02.11.2018
MAX. LOAD SHEDDING	240MW ON 22.11.2018 AT 08.30HRS.
PEAK LOAD	Peak Demand during the month
DAY PEAK	3632MW AT 11.00 HRS ON 02.11.2018
EVENING PEAK	3788MW AT 18.21.11HRS ON 02.11.2018
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA BAWANA Timarpur Okhla EDWPCL DMSWL
	SHEDDING AT PEAK TIME 0 MW 0 MW 0.00% 18.10% 47.80% 0.00% 30.81% 118.36% 63.63% 63.64%

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.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000
02.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000
13.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.058	0.000	0.000
21.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Nov.18	0	0.000	0.000	0.0001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Nov.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.Nov.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	0.000	0.076	0.000	0.000

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 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.Nov.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
02.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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
09.Nov.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.Nov.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.Nov.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.Nov.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
13.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.058	0.058
21.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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.Nov.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
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.076	0.076

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.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Nov.18	0.000	0.015	0.000	0.000	0.000	0.000	0.001	0.0000	0.000
03.Nov.18	0.000	0.000	0.014	0.000	0.000	0.000	0.000	0.0000	0.000
04.Nov.18	0.006	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
05.Nov.18	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.004	0.000
06.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
07.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
09.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
10.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000
11.Nov.18	0.000	0.014	0.002	0.000	0.000	0.000	0.012	0.000	0.000
12.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.009	0.000
13.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
14.Nov.18	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000
15.Nov.18	0.000	0.000	0.009	0.000	0.000	0.000	0.006	0.004	0.000
16.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.000	0.000
17.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Nov.18	0.000	0.000	0.000	0.000	0.000	0.0002	0.000	0.000	0.000
19.Nov.18	0.000	0.000	0.001	0.000	0.000	0.003	0.007	0.001	0.000
20.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.001	0.000
21.Nov.18	0.005	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
22.Nov.18	0.058	0.016	0.0000	0.009	0.000	0.000	0.013	0.0000	0.000
23.Nov.18	0.000	0.0000	0.001	0.000	0.000	0.000	0.001	0.000	0.000
24.Nov.18	0.000	0.000	0.000	0.000	0.000	0.002	0.009	0.010	0.000
25.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000
26.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	0.000
27.Nov.18	0.002	0.000	0.000	0.000	0.000	0.006	0.0000	0.000	0.000
28.Nov.18	0.000	0.000	0.000	0.000	0.000	0.010	0.009	0.0000	0.000
29.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
30.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
	0.072	0.045	0.027	0.009	0.000	0.024	0.164	0.031	0.000

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.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009
02.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
03.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.014
04.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
05.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
06.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
07.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
09.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
10.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
11.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.028
12.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.026
13.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
14.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
15.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
16.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027
17.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0002
19.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012
20.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.063
21.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
22.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.096	0.096
23.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
24.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.021
25.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012
26.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
27.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
28.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
29.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
30.Nov.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.372	0.448

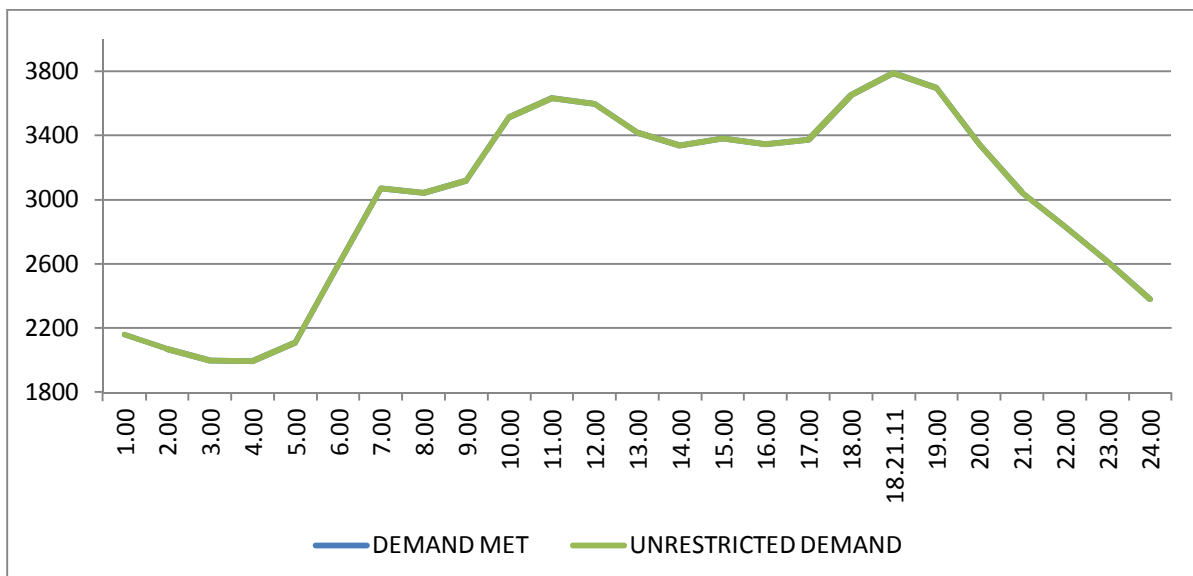
DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCURRENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-RESTRICTED DEMAND	MAXIMUM UN-RESTRICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.Nov.18	70.917	3720	18:11:59	0	3720	3720	18:11:59	3720	0
02.Nov.18	71.267	3788	18:21:11	0	3788	3788	18:21:11	3788	0
03.Nov.18	67.036	3524	18:18:44	0	3524	3524	18:18:44	3524	0
04.Nov.18	64.415	3280	18:33:41	0	3280	3280	18:33:41	3280	0
05.Nov.18	66.237	3464	18:33:05	0	3464	3464	18:33:05	3464	0
06.Nov.18	63.735	3378	11:06:56	0	3378	3378	11:06:56	3378	0
07.Nov.18	53.387	2824	18:18:20	0	2824	2824	18:18:20	2824	0
08.Nov.18	50.889	2622	10:00:13	0	2622	2622	10:00:13	2622	0
09.Nov.18	55.874	3143	10:06:09	0	3143	3143	10:06:09	3143	0
10.Nov.18	55.829	3071	10:45:33	0	3071	3071	10:45:33	3071	0
11.Nov.18	56.772	2982	11:14:14	0	2982	2982	11:14:14	2982	0
12.Nov.18	60.356	3308	09:57:00	0	3308	3308	09:57:00	3308	0
13.Nov.18	61.446	3374	10:45:06	0	3374	3374	10:45:06	3374	0
14.Nov.18	61.410	3302	09:35:41	0	3302	3302	09:35:41	3302	0
15.Nov.18	60.340	3288	18:00	0	3288	3288	18:00	3288	0
16.Nov.18	63.389	3387	11:00	0	3387	3387	11:00	3387	0
17.Nov.18	59.921	3313	10:38:20	0	3313	3313	10:38:20	3313	0
18.Nov.18	59.098	3237	10:44:11	0	3237	3237	10:44:11	3237	0
19.Nov.18	61.525	3411	10:08:45	0	3411	3411	10:08:45	3411	0
20.Nov.18	60.481	3314	10:34:51	0	3314	3314	10:34:51	3314	0
21.Nov.18	60.740	3533	10:55:27	0	3533	3533	10:55:27	3533	0
22.Nov.18	61.052	3311	10:30	0	3311	3311	10:30	3311	0
23.Nov.18	59.561	3589	10:18:01	0	3589	3589	10:18:01	3589	0
24.Nov.18	58.704	3278	10:13:47	0	3278	3278	10:13:47	3278	0
25.Nov.18	57.933	3366	11:03:28	0	3366	3366	11:03:28	3366	0
26.Nov.18	62.044	3392	10:13:22	0	3392	3392	10:13:22	3392	0
27.Nov.18	62.468	3340	11:13	0	3340	3340	11:13	3340	0
28.Nov.18	63.607	3438	10:51:16	0	3438	3438	10:51:16	3438	0
29.Nov.18	62.526	3444	10:02:41	0	3444	3444	10:02:41	3444	0
30.Nov.18	64.819	3572	10:07	0	3572	3572	10:07	3572	0
TOTAL	1837.778	3788 02.11.18	18:21:11	0	3788 02.11.18	3788	18:21:11	3788	0

10

LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING NOV 2018 ON 02.11.2018- 3788MW AT 18.21.11HRS.

All figures in MW

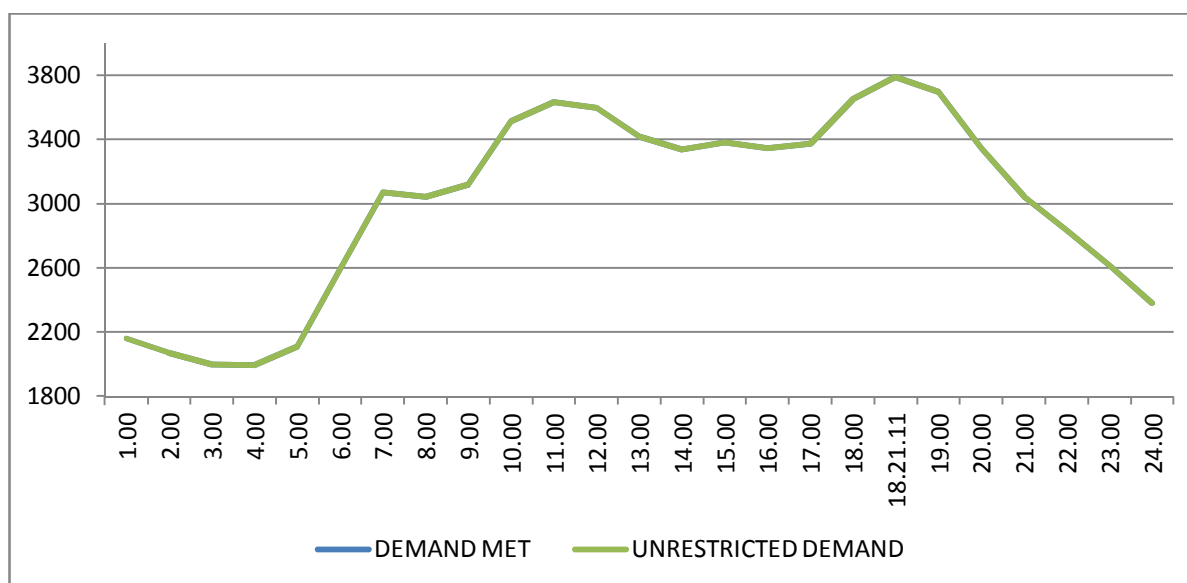
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2159	0	2159
2.00	2071	0	2071
3.00	1999	0	1999
4.00	1993	0	1993
5.00	2112	0	2112
6.00	2593	0	2593
7.00	3069	0	3069
8.00	3041	0	3041
9.00	3120	0	3120
10.00	3514	0	3514
11.00	3632	0	3632
12.00	3598	0	3598
13.00	3419	0	3419
14.00	3336	0	3336
15.00	3383	0	3383
16.00	3347	0	3347
17.00	3372	0	3372
18.00	3647	0	3647
18.21.11	3788	0	3788
19.00	3696	0	3696
20.00	3347	0	3347
21.00	3042	0	3042
22.00	2835	0	2835
23.00	2615	0	2615
24.00	2380	0	2380
Total (IN MUS)	71.267	0.016	71.283



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING NOV 2018 ON 17.08.2018-5937MW AT 22.46.00HRS.

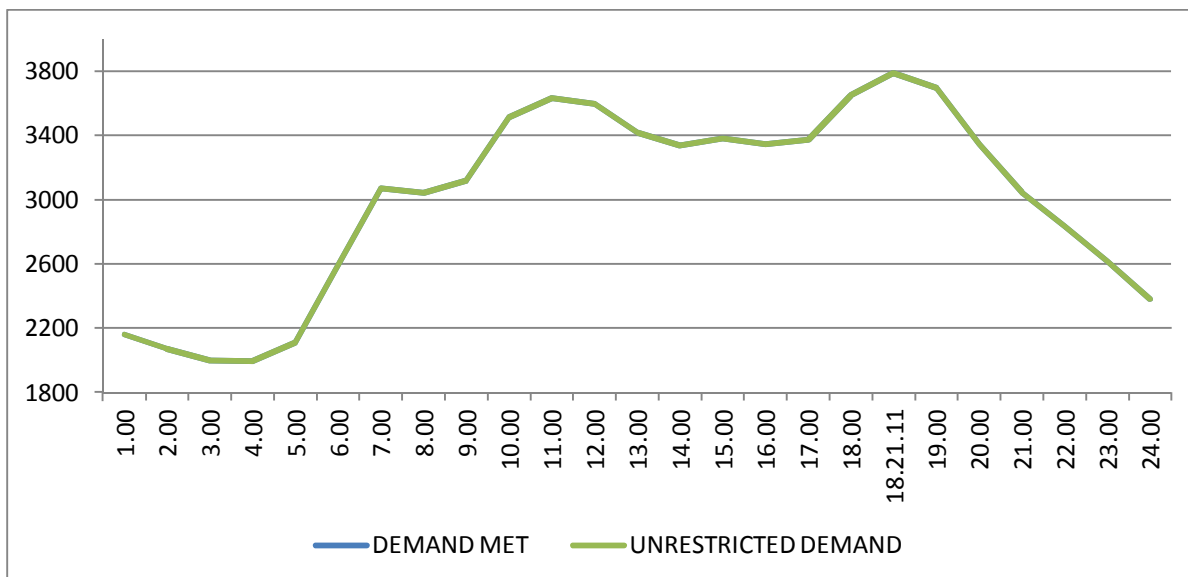
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2159	0	2159
2.00	2071	0	2071
3.00	1999	0	1999
4.00	1993	0	1993
5.00	2112	0	2112
6.00	2593	0	2593
7.00	3069	0	3069
8.00	3041	0	3041
9.00	3120	0	3120
10.00	3514	0	3514
11.00	3632	0	3632
12.00	3598	0	3598
13.00	3419	0	3419
14.00	3336	0	3336
15.00	3383	0	3383
16.00	3347	0	3347
17.00	3372	0	3372
18.00	3647	0	3647
18.21.11	3788	0	3788
19.00	3696	0	3696
20.00	3347	0	3347
21.00	3042	0	3042
22.00	2835	0	2835
23.00	2615	0	2615
24.00	2380	0	2380
Total (IN MUS)	71.267	0.016	71.283



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING NOV 2018 – 01.11.2018 – 71.267Mus
 All figures in MW

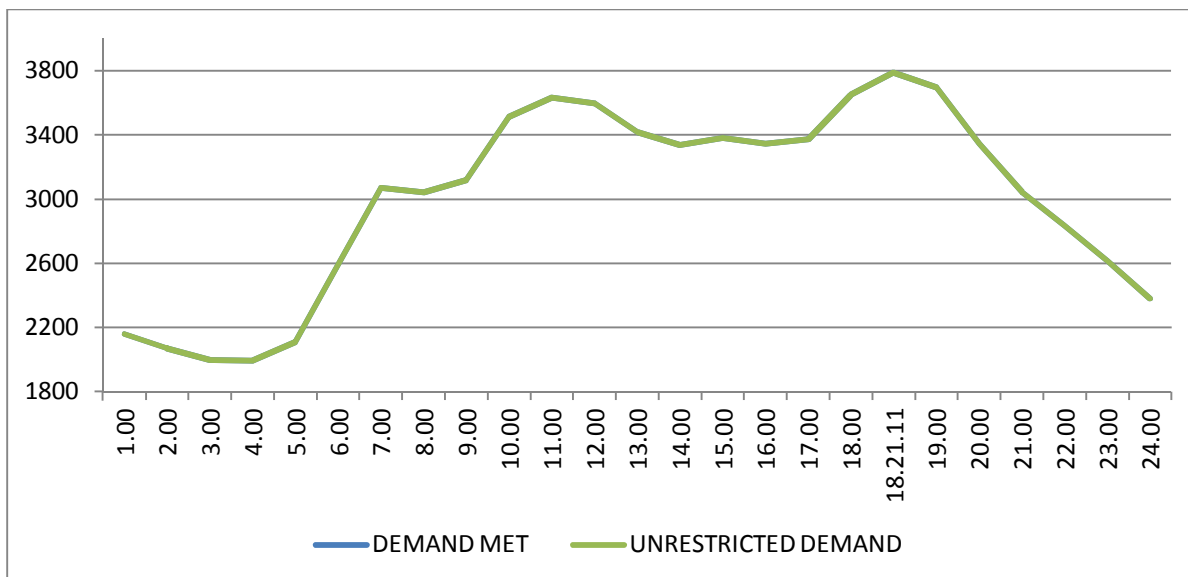
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2159	0	2159
2.00	2071	0	2071
3.00	1999	0	1999
4.00	1993	0	1993
5.00	2112	0	2112
6.00	2593	0	2593
7.00	3069	0	3069
8.00	3041	0	3041
9.00	3120	0	3120
10.00	3514	0	3514
11.00	3632	0	3632
12.00	3598	0	3598
13.00	3419	0	3419
14.00	3336	0	3336
15.00	3383	0	3383
16.00	3347	0	3347
17.00	3372	0	3372
18.00	3647	0	3647
18.21.11	3788	0	3788
19.00	3696	0	3696
20.00	3347	0	3347
21.00	3042	0	3042
22.00	2835	0	2835
23.00	2615	0	2615
24.00	2380	0	2380
Total (IN MUS)	71.267	0.016	71.283



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING NOV 2018 – 02.11.2018 – 71.283 Mus

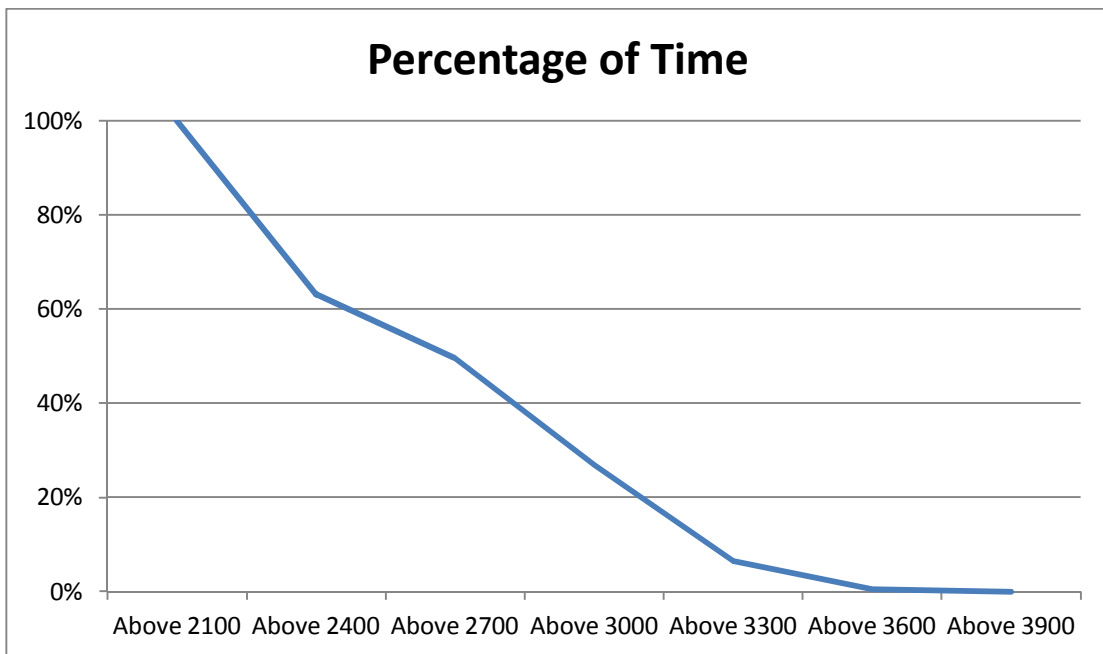
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2159	0	2159
2.00	2071	0	2071
3.00	1999	0	1999
4.00	1993	0	1993
5.00	2112	0	2112
6.00	2593	0	2593
7.00	3069	0	3069
8.00	3041	0	3041
9.00	3120	0	3120
10.00	3514	0	3514
11.00	3632	0	3632
12.00	3598	0	3598
13.00	3419	0	3419
14.00	3336	0	3336
15.00	3383	0	3383
16.00	3347	0	3347
17.00	3372	0	3372
18.00	3647	0	3647
18.21.11	3788	0	3788
19.00	3696	0	3696
20.00	3347	0	3347
21.00	3042	0	3042
22.00	2835	0	2835
23.00	2615	0	2615
24.00	2380	0	2380
Total (IN MUS)	71.267	0.016	71.283



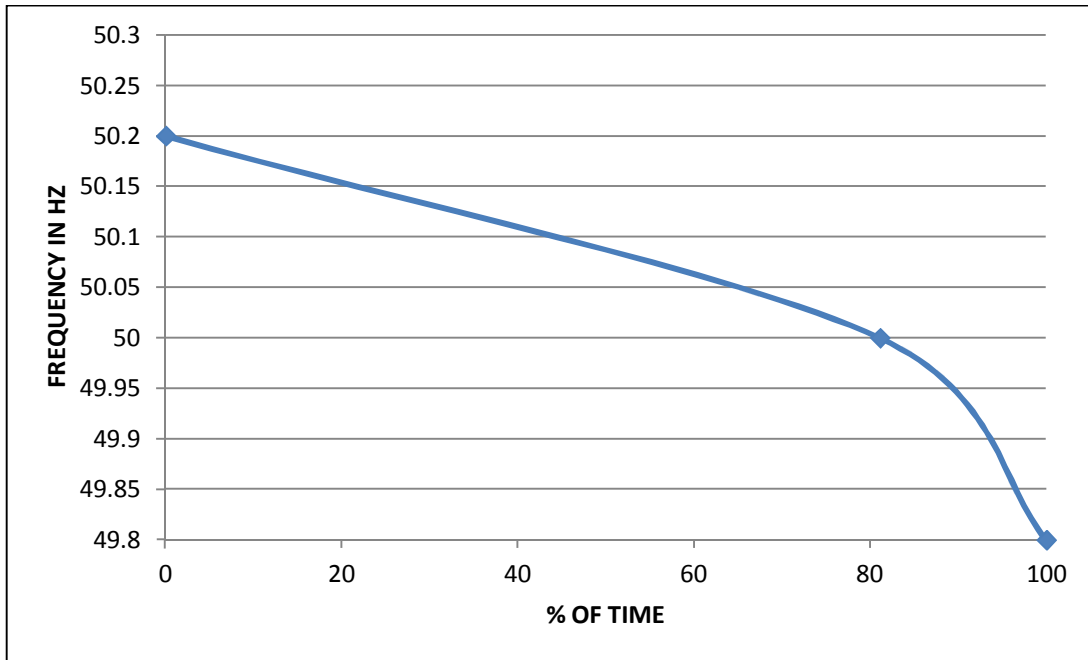
14 **LOAD DURATION CURVE FOR NOV 2018**

Load in MW	Percentage of Time
Above 2100	100.00%
Above 2400	63.13%
Above 2700	49.51%
Above 3000	26.91%
Above 3300	6.42%
Above 3600	0.49%
Above 3900	0.00%



FREQUENCY ANALYSIS FOR THE MONTH OF NOV 2018

Frequency Range in Hz.	Percentage of time
Above 49.8	100.00
Above 50.00	81.11
Above 50.20	0.07



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Nov.18	236.91	226.98	238.97	228.53
02.Nov.18	236.65	226.08	239.49	228.92
03.Nov.18	238.59	226.98	240.52	230.46
04.Nov.18	239.1	228.14	241.04	230.85
05.Nov.18	239.1	229.17	241.43	230.21
06.Nov.18	238.46	229.3	241.68	231.88
07.Nov.18	240.26	231.88	242.84	234.72
08.Nov.18	240.14	233.82	241.55	234.72
09.Nov.18	240.39	232.4	242.72	233.82
10.Nov.18	240.26	231.11	241.04	231.37
11.Nov.18	240.14	232.53	241.17	231.24
12.Nov.18	239.49	230.08	240.52	231.24
13.Nov.18	240.52	230.21	242.2	229.43
14.Nov.18	241.68	228.66	242.33	230.21
15.Nov.18	241.68	228.53	242.33	230.46
16.Nov.18	240.26	228.53	244.26	231.24
17.Nov.18	239.88	229.82	244	232.4
18.Nov.18	240.78	233.43	244.26	236.27
19.Nov.18	241.17	227.63	244.91	233.04
20.Nov.18	239.75	229.95	240.14	229.82
21.Nov.18	240.91	227.24	243.62	--
22.Nov.18	241.68	228.14	245.29	--
23.Nov.18	242.07	231.49	241.04	229.17
24.Nov.18	241.43	227.88	241.04	229.3
25.Nov.18	238.85	227.88	241.04	230.59
26.Nov.18	238.46	226.59	241.04	229.3
27.Nov.18	239.62	226.72	242.07	230.46
28.Nov.18	241.55	226.34	241.04	228.27
29.Nov.18	242.84	231.75	240.52	228.27
30.Nov.18	243.1	230.21	241.81	227.88

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Nov.18	417.86	21:00:24	401.44	18:13:29	408.9
02.Nov.18	422.08	20:29:43	0	10:02:41	273.48
03.Nov.18	424.19	4:01:04	403.79	10:52:05	412.65
04.Nov.18	417.86	23:56:20	405.19	18:11:59	411.53
05.Nov.18	421.61	4:01:11	404.02	7:23:31	413.1
06.Nov.18	421.37	3:03:36	405.66	10:09:05	413.72
07.Nov.18	421.37	4:01:58	408.48	7:07:58	414.91
08.Nov.18	418.09	0:13:41	406.13	6:42:31	413.45
09.Nov.18	419.26	4:02:34	400.27	12:07:55	410.67
10.Nov.18	416.92	3:59:57	402.61	7:32:58	409.51
11.Nov.18	420.2	21:00:24	401.91	9:53:11	411.36
12.Nov.18	418.09	20:01:56	402.14	11:37:55	409.78
13.Nov.18	420.2	20:59:30	398.39	9:31:38	409.47
14.Nov.18	420.67	3:39:31	401.44	17:54:23	410.56
15.Nov.18	420.67	4:00:54	400.97	17:54:27	410.67
16.Nov.18	421.37	4:03:08	399.8	10:40:38	411.09
17.Nov.18	420.43	4:03:01	400.5	11:08:22	410.61
18.Nov.18	420.43	4:03:24	402.61	10:33:25	412.3
19.Nov.18	421.61	4:00:57	400.5	9:43:51	411.5
20.Nov.18	419.26	4:00:31	400.97	10:30:26	409.95
21.Nov.18	419.5	4:01:44	393.23	9:34:44	410.20
22.Nov.18	421.37	4:01:07	395.81	10:37:18	409.28
23.Nov.18	419.73	4:00:40	400.5	10:09:11	410.41
24.Nov.18	419.73	3:31:03	400.5	11:24:54	409.76
25.Nov.18	420.43	20:45:59	402.85	9:33:07	412.36
26.Nov.18	419.26	4:01:16	399.8	6:43:50	410.55
27.Nov.18	421.84	4:00:53	401.68	9:17:43	411.64
28.Nov.18	419.73	1:59:16	400.5	10:37:39	411.05
29.Nov.18	418.32	4:00:39	399.33	10:35:10	409.50
30.Nov.18	420.43	4:01:12	398.63	11:08:43	410.19

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Nov.18	424.42	21:00:27	409.65	18:13:27	416.58
02.Nov.18	426.06	21:29:58	411.06	18:38:15	417.92
03.Nov.18	427.7	4:00:24	415.04	18:21:24	421.62
04.Nov.18	427.23	3:59:51	413.4	18:11:43	421.23
05.Nov.18	428.64	3:50:22	412.46	7:20:24	420.76
06.Nov.18	427.7	3:03:28	413.17	7:19:41	422.14
07.Nov.18	428.88	16:04:16	417.15	6:47:19	423.81
08.Nov.18	427.7	8:37:49	416.68	6:44:38	423.66
09.Nov.18	428.41	20:51:27	413.87	18:11:35	421.58
10.Nov.18	426.53	4:00:13	413.63	7:33:26	419.74
11.Nov.18	428.41	20:59:46	415.98	17:52:53	419.74
12.Nov.18	426.3	20:03:24	413.87	18:13:32	420.49
13.Nov.18	429.11	20:59:03	412.23	9:24:24	419.88
14.Nov.18	429.58	3:39:38	412.46	17:53:40	420.68
15.Nov.18	428.64	4:00:57	412.7	17:49:58	421.25
16.Nov.18	426.77	20:30:22	412.7	13:06:14	421.4
17.Nov.18	427.94	3:28:15	412.7	11:10:22	420.51
18.Nov.18	428.64	4:03:14	417.15	7:23:16	423.03
19.Nov.18	428.88	4:00:24	414.34	10:26:07	421.04
20.Nov.18	427.94	4:01:31	411.29	10:42:56	419.22
21.Nov.18	426.53	4:01:40	406.83	9:28:14	418.49
22.Nov.18	426.06	3:59:58	406.83	10:17:33	417
23.Nov.18	426.3	4:00:07	411.52	17:51:18	418.75
24.Nov.18	426.53	3:06:04	411.06	17:49:56	418.71
25.Nov.18	426.53	4:01:24	412.7	9:33:21	419.84
26.Nov.18	426.3	4:01:43	410.82	6:43:25	418.68
27.Nov.18	428.41	4:00:51	405.43	12:14:38	418.93
28.Nov.18	427.23	2:01:28	410.82	10:37:25	418.53
29.Nov.18	426.3	21:01:12	410.35	10:54:24	417.93
30.Nov.18	427.23	4:00:47	408.94	11:26:53	418.79

18 DETAILS OF BREAK-DOWNS DURING THE MONTH OF NOVEMBER 2018

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	2.11.18	01:20	PAPPANKALAN-III 220/66kV 160MVA Tx-I	2.11.18	03:19	86A&B.
2	2.11.18	12:50	OKHLA 220/33kV 100MVA Tx-V	2.11.18	12:55	TRIPPED ON BACKUP RELAY TESTING.
3	2.11.18	12:50	OKHLA 220/33kV 100MVA Tx-IV	2.11.18	00:00	TRIPPED ON BACKUP RELAY TESTING.
4	2.11.18	15:19	220kV BAMNAULI-PAPPANKALAN-II CKT-II	2.11.18	15:30	AT PAPPANKALAN-II : MAIN-II, RYB PHASE TRIP.
5	3.11.18	07:52	KANJHAWALA 66/11kV, 20MVA Tx-I	3.11.18	08:00	86, ABC.
6	4.11.18	00:05	GEETA COLONY 220/33kV 100MVA Tx-I	4.11.18	02:35	AUTO TRIP RELAY.
7	9.11.18	11:36	220kV BAMNAULI-PAPPANKALAN-II CKT-II	9.11.18	11:47	AT PAPPANKALAN-II : DIST PROT, TRIP ABC.
8	11.11.18	13:56	220KV BAWANA-SHALIMARBAGH CKT-II	11.11.18	22:00	AT BAWANA : 86, B PHASE DIFFERENTIAL, O/C, B PHASE LA DAMAGED AT BAWANA. AT SHALIMARBAGH : DIST PROT, B PHASE DIFFERENTIAL TRIP, AUTO RECLOSE.
9	13.11.18	15:59	220KV WAZIRABAD - MANDOLA CKT-I	13.11.18	16:22	AT MANDOLA : MALFUNCTIONING OF RELAY CB OPERATED. AT WAZIRABAD : CKT. DID NOT TRIP.
10	14.11.18	21:55	220kV WAZIRABAD-GEETA COLONY CKT-I	14.11.18	22:54	BUS BAR PROTECTION OPERATED.
11	14.11.18	21:55	220 KV PATPARGANJ - I.P. CKT-I	15.11.18	10:03	AT I.P. : DIST PROT, ZONE-I, DIST 1.88KM.
12	14.11.18	21:55	220kV GEETA COLONY- PATPARGANJ CKT-I	14.11.18	22:55	BUS BAR PROTECTION OPERATED.
13	14.11.18	21:55	GEETA COLONY 220/33kV 100MVA Tx-II	14.11.18	23:49	BUS BAR PROTECTION OPERATED.
14	15.11.18	16:56	BAWANA 220/66kV 100MVA Tx	15.11.18	17:08	TRIPPED WHILE TAKING LOAD ON ICT-III.
15	18.11.18	16:47	RAJGHAT 220/33kV 100MVA Tx-2	18.11.18	17:06	I/C TRIPPED WITHOUT INDICATION.
16	18.11.18	16:47	RAJGHAT 220/33kV 100MVA Tx-I	18.11.18	17:06	I/C TRIPPED WITHOUT INDICATION.
17	19.11.18	10:24	220kV BAMNAULI-PAPPANKALAN-II CKT-II	19.11.18	12:30	AT PAPPANKALAN-II : DIST PROT, ZONE-I, MAIN-I. AT BAMNAULI : 186A&B, RYB PHASE, DIST PROT, ZONE-I, DIST 7.75KM.
18	21.11.18	14:40	220kV PAPPANKALAN-III- PAPPANKALAN-I CKT-I	21.11.18	19:20	AT PPK-I : 295BC, TRIP CKT. FAULTY.
19	21.11.18	17:25	OKHLA 220/33kV 100MVA Tx-IV	21.11.18	17:58	86
20	22.11.18	02:20	220kV MAHARANI BAGH - ELECTRIC LANE CKT-I	22.11.18	07:20	AT ELECTRIC LANE : 86, O/C. AT MAHARANI BAGH : 86.
21	22.11.18	04:01	220kV MAHARANI BAGH - LODHI ROAD CKT-I	22.11.18	07:20	AT LODHI ROAD SUPPLY MAIL.
22	23.11.18	00:00	SUBZI MANDI 33/11kV, 16MVA Tx-I	23.11.18	12:15	87R.
23	23.11.18	10:00	NARAINA 33kV PAYAL (REWARI LINE-I) CKT	23.11.18	13:05	TRIPPED ON LOW GAS PRESSURE.
24	23.11.18	16:34	220kV VASANT KUNJ - R.K.PURAM CKT.-I	24.11.18	07:15	AT R.K.PURAM : TRIPPED WITHOUT INDICATION. SMOKE OCCURRED ON CONTROL PANEL.
25	25.11.18	07:38	220kV BAMNAULI-PAPPANKALAN-I CKT-I	25.11.18	11:45	AT PAPPANKALAN-I : 195ABC, 295ABC. CB LOCK OUT.

19 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF NOVEMBER 2018

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