DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JANUAEY 2016

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JAN. 2015	JAN 2016
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)**	**4449**	**4176**
	Date	09.01.2015	22.01.2016
	Time	10.22.33	09.59.33
3	**Peak Demand met (MW)**	**4405**	**4125**
	Date	09.01.2015	22.01.2016
	Time	10.22.33	09.59.33
4	Peak Availability (MW)	4236	4009
5	Shortage (-) / Surplus (+) in MW	(-) 169	(-) 116
6	Percentage Shortage (-) / Surplus (+)	(-) 3.84	(-) 3.88
7	Maximum Energy Consume in a day (Mus)	72.763	68.595
8	Energy Consumed during the month	**2085.164**	**1964.216**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.005	0.001
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	0.047	0.122
	BRPL	0.411	0.941
	BYPL	0.121	0.039
	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	**0.584**	**1.103**
B)	Due to Constraints in System in Mus		
	DTL	0.083	2.076
	NDPL	0.380	0.457
	BRPL	0.239	0.665
	BYPL	0.116	0.062
	NDMC	0.010	0.000
	MES	0.000	0.000
	Other Agencies	0.016	0.054
	Total	**0.844**	**3.314**
11	**Grand Total in Mus**	**1.428**	**4.417**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JANUARY 2016

A) For the month of Januaey 2016

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.374	-0.374	--	--
2.	**GT**	31.192	1.430	29.762	76.63	119.145
3.	**PPCL**	117.661	2.868	114.793	95.63	113.884
4.	**BTPS**	131.136	11.100	120.036	29.73	17.335
5.	**Rithala**	0.000	0.062	-0.062	**89.17**	61.008
6.	**Bawana**	181.078	7.174	173.904	75.97	582.752
7.	**Towmcl**	10.260	1.526	8.734	--	--
	TOTAL	**471.327**	**24.534**	**446.793**	**--**	**--**

B) For the Year 2013-14 (Upto January 2016)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jan. 2016	Availability (%) for Jan 2016	PLF (%) for Jan 2016	Cumulative Generation in MUs upto Jan 2016 for the year 2015-16	Cumulative Availability in % upto Jan 2016 for the year 2015-16	Cumulative PLF in % upto Jan 2016 for the year 2015-16
RPH	135	-0.374	--	--	34.293	--	--
GT	270	29.762	76.63	15.48	389.137	71.63	20.64
PPCL	330	114.793	95.63	47.81	1395.017	98.02	47.81
BTPS	705	120.036	29.73	26.02	1662.552	86.55	39.26
Rithala	108	-0.062	**89.17**	--	-0.612	**87.46**	**--**
Bawana	1372	173.904	75.97	17.96	1531.443	62.56	15.81
Towmcl	16	8.734	--	--	104.028	--	--
TOTAL	2936	**446.793**	**--**	**--**	**5115.858**	**--**	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2014 RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	01.04.15	23.20	02.04.15	19.50	Stopped due to low demand and high frequency
		04.04.15	13.15	06.05.15	22.40	
		08.05.15	13.40	--	--	Tripped on boiler tube leakage

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	30.12.14	00.00	01.04.15	16.00	Machine under major overhauling
		02.04.15	12.55	07.04.15	23.59	Turbine trip
		08.04.15	00.00	20.04.15	06.45	Stopped due to low demand and high frequency
		21.04.15	09.50	21.05.15	15.15	Turbine tripped
		07.05.15	00.50	07.05.15	04.20	Tripped on heavy jerk
		21.05.15	10.20	--	--	Stopped due to shortage of coal

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	27.12.14	17.40	12.05.15	18.45	Stopped due to low demand and high frequency
		19.05.15	18.02	12.06.15	13.15	Machine stopped due to fire in cable
		12.06.15	22.48	24.06.15	12.30	Stopped due to low demand and high frequency
		24.06.15	12.31	30.06.15	11.50	Machine not available due to problem in diesel engine
		30.06.15	12.10	03.08.15	13.08	Stopped due to low demand and high frequency
		03.08.15	17.15	07.08.15	19.15	
		07.08.15	19.15	08.08.15	11.53	Machine could not be taken on load due to problem in diesel engine
		12.08.15	10.20	14.08.15	06.07	Stopped due to low demand and high frequency
		15.08.15	11.53	15.08.15	12.36	Machine tripped on emergency trip manual alarm
		01.09.15	16.12	01.09.15	17.19	Machine tripped due to grid disturbance
		02.09.15	19.50	19.10.15	15.00	Stopped due to low demand and high frequency
		19.10.15	15.00	30.10.15	12.30	Machine stopped for combustion inspection
		30.10.15	12.30	30.10.15	18.10	Stopped due to low demand and high frequency
		30.10.15	18.25	9.11.15	08:25	
		10.11.15	20:04	20.11.15	11:33	
		27.11.15	14:52	27.11.15	17:18	Machine tripped on overall diff. relay operation
		30.11.15	05:50	30.11.15	08:30	
		30.11.15	08:30	16.12.15	15.46	Stopped due to low demand and high frequency
		02.01.16	13:50	7.01.16	06:40	
		11.01.16	22:00	12.01.16	08:35	
		18.01.16	03:47	18.01.16	04:06	Machine tripped due to heavy jerk as Geeta colony-Wazirabad line tripped.
		19.01.16	01:30	19.01.16	02:45	Machine tripped due to heavy jerk as Patpar Ganj line tripped.
		19.01.16	02:45	22.01.16	10:15	Stopped due to low demand and high frequency
		22.01.16	18:35	31.01.16	23:59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01.02.14	17.00	24.10.15	14.00	Machine stopped due to high viberation
		24.10.15	18.25	25.10.15	17.03	Machine synchronized for testing
		25.10.15	18.35	26.10.15	16.15	Machine stopped for inspection
		26.10.15	16.15	4.11.15	17:35	Stopped due to low demand and high frequency
		20.11.15	16:40	30.11.15	07:20	
		12.12.15	06:10	12.12.15	06:20	Machine came on FSNL due to tripping of 160 MVA ICT Transformer 1&2.
		14.12.15	01:02	14.12.15	13:40	Stopped due to low demand and high frequency
		16.12.15	00:00	16.12.15	13:30	
		16.12.15	13:40	16.12.15	14:00	Machine came on FSNL
		16.12.15	17:30	02.01.16	12:40	Stopped due to low demand and high frequency
		08.01.16	03:36	08.01.16	19:41	Machine tripped on R,S,T controller any Link inoperative alarm
		08.01.16	19:41	11.01.16	07:35	machine taken on load but stopped by SLDC as there was no demand from beneficiary
		12.01.16	17:45	19.01.16	03:04	Stopped due to low demand and high frequency
		19.01.16	03:15	19.01.16	03:35	Machine tripped due to heavy jerk as Patpar Ganj line tripped.
		24.01.16	05:48	24.01.16	06:04	
		28.01.16	01:20	31.01.16	23:59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	02.03.15	17.45	04.04.15	10.45	Stopped due to low demand and high frequency
		04.04.15	16.02	04.04.15	12.50	Machine stopped to change absolute filter
		04.04.15	18.51	21.04.15	10.45	Stopped due to low demand and high frequency
		26.04.15	09.00	06.05.15	14.30	
		11.05.15	08.16	11.05.15	11.13	
		12.05.15	14.45	21.05.15	16.05	
		22.05.15	00.20	22.05.15	10.26	
		22.05.15	15.40	22.05.15	15.55	Machine came on FSNL due to jerk
		23.05.15	17.30	07.08.15	19.35	Stopped due to low demand and high frequency
		07.08.15	19.35	08.08.15	16.25	Machine could not be taken on load due to problem in desigle engine
		08.08.15	16.25	10.08.15	16.55	Stopped due to low demand and high frequency
		11.08.15	00.05	11.08.15	14.18	Machine started to roll STG-2 for improving IR Value of generator
		13.08.15	20.52	9.1.16	15:12	Machine tripped due to tripping of tr. And further Stopped due to low demand and high frequency
		9.1.16	15:12	11.1.16	23:59	Machine is under shutdown to carry out minor works on bearing of Load Gear box.
		12.1.16	00:00	20.1.16	15:15	Machine cleared but not taken on load due low schedule from SLDC
		20.1.16	15:15	31.1.16	23:59	M/c not available due to problem in diesel engine.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	02.03.15	17.45	04.04.15	16.40	Stopped due to low demand and high frequency
		04.04.15	20.12	15.04.15	11.08	
		16.04.15	00.55	21.04.15	11.32	
		27.04.15	15.00	06.05.15	10.46	
		12.05.15	18.50	21.05.15	15.57	
		22.05.15	00.20	23.05.15	09.48	
		23.05.15	17.20	31.05.15	17.46	
		31.05.15	18.33	12.06.15	13.05	
		13.06.15	14.40	15.06.15	23.59	Machine tripped on grid disturbance and further Stopped due to low demand and high frequency
		16.06.15	00.00	02.07.15	23.59	Stopped due to low demand and high frequency
		03.07.15	00.53	03.07.15	01.26	Heavy jerk observed in control room and macine tripped on electrical fault
		04.07.15	19.20	17.07.15	20.22	Stopped due to low demand and high frequency
		17.07.15	20.22	07.08.15	20.26	Machine not available due to damage of LV side y phase bushing of unit transformer
		08.08.15	04.00	13.08.15	23.05	Stopped due to low demand and high frequency
		14.08.15	06.12	11.01.16	23:59	
		12.01.16	00:00	29.01.16	14:00	Machine is under shutdown to carry out installation of 66 KV breaker.
		29.01.16	14:00	31.01.16	23:59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	04.04.15	16.00	04.04.15	19.15	Stopped due to low demand and high frequency
		15.04.15	15.26	16.04.15	00.10	
		22.05.15	15.40	22.05.15	18.50	Machine came on FSNL due to jerk
		31.05.15	12.40	06.06.15	15.22	Machine tripped on electrical trouble normal shutdown
		06.06.15	15.44	12.06.15	13.37	Stopped due to low demand and high frequency
		13.06.15	14.40	13.06.15	15.01	Machine came on FSNL due to jerk
		21.06.15	11.15	22.06.15	10.20	Stopped due to low demand and high frequency
		25.06.15	07.30	26.06.15	14.02	
		23.07.15	13.13	23.07.15	14.07	Machine tripped due to islanding from 220kV side PPS-1
		28.07.15	16.52	28.07.15	18.30	Tripped due to electrical trouble
		28.07.15	19.07	29.07.15	00.32	
		07.08.15	19.00	03.10.15	13.28	Stopped due to low demand and high frequency
		03.10.15	16.12	03.10.15	16.57	Machined tripped on exhaust temp high spread alarm
		07.10.15	01.20	09.10.15	04.29	Stopped due to low demand and high frequency
		05.11.15	02.14	07.01.16	05:19	
		07.01.16	11:59	08.01.16	08:50	
		08.01.16	12:00	10.01.16	15:30	Machine tripped on Electrical Trouable Normal shut down.
		10.01.16	15:30	28.01.16	01:00	machine taken on load but stopped by SLDC as there was no demand from beneficiary
		29.01.16	10:36	31.01.16	23:59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	26.04.15	09.00	27.04.15	14.02	Stopped due to low demand and high frequency
		11.05.15	08.17	11.05.15	11.25	
		22.05.15	15.40	22.05.15	15.58	Machine came on FSNL due to jerk
		13.06.15	14.40	13.06.15	15.05	machine came on FSNL due to grid disturbance
		02.07.15	11.16	04.07.15	18.10	Stopped due to oil leakage in GT-6
		06.07.15	19.26	07.07.15	16.00	Stopped due to low demand and high frequency
		07.07.15	16.00	10.07.15	23.00	Stopped due to oil leakage in GT
		10.07.15	23.00	13.07.15	10.22	Stopped due to low demand and high frequency
		14.07.15	03.50	14.07.15	04.06	Machine came on FSNL due to tripping of 20MVA Tr.
		17.07.15	08.20	17.07.15	08.25	
		23.07.15	13.13	23.07.15	14.12	Machine tripped due to islanding of 220side PPS-I
		07.08.15	19.00	02.9.15	17:52	Stopped due to low demand and high frequency
		09.9.15	11:42	09.9.15	12:36	Machine tripped as both 160 MVA Transformer I&II tripped
		13.9.15	12:50	13.9.15	13:33	Machine tripped as both 160 MVA Transformer I&II tripped
		17.9.15	09:42	17.9.15	09:58	Machine came on FSNL as the 66 KV beaker opened.
		19.9.15	05:25	19.9.15	05:58	Bus differential relay on BB-3 & 4 operated, Unit came on FSNL.
		19.9.15	18:28	19.9.15	18:32	Bus differential relay on BB-3 & 4 operated Unit came on FSNL.
		04.10.15	21.02	05.10.15	15.56	Stopped due to low demand and high frequency
		09.10.15	03.50	07.01.16	05.55	
		07.01.16	12:05	08.01.16	06:20	
		08.01.16	16:00	31.01.16	10:32	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	**30**	19.11.14	21.35	12.05.15	23.00	Stopped due to low demand and high frequency
		19.05.15	17.15	19.05.15	18.00	Machine tripped on FJB vibeeration very high
		19.05.15	18.00	20.05.15	11.30	Stopped due to low demand and high frequency
		20.05.15	11.30	09.06.15	23.59	Machine is N/A due to fire in cable
		10.06.15	00.00	12.06.15	23.59	Stopped due to low demand and high frequency
		12.06.15	22.39	13.06.15	12.00	Machine could not be taken on load due to problem in vaccume
		13.06.15	12.00	20.06.15	17.30	Stopped due to low demand and high frequency
		20.06.15	17.30	22.06.15	12.00	Machine not available due to vaccum problem
		22.06.15	12.00	24.06.15	12.30	Stopped due to low demand and high frequency
		24.06.15	12.30	30.06.15	13.00	Machine could not be available due to problem in GT-1
		30.06.15	13.00	03.08.15	16.32	Stopped due to low demand and high frequency
		03.08.15	17.15	07.08.15	23.59	
		09.08.15	07.15	09.08.15	15.55	Machine stopped due to generator temperature very high
		12.08.15	10.20	14.08.15	09.15	Stopped due to low demand and high frequency
		15.08.15	11.53	15.08.15	15.04	Machine tripped due to tgripping of GT
		01.09.15	16.12	01.09.15	17.19	Machine tripped due to grid disturbance
		02.09.15	19.50	19.10.15	15.00	Stopped due to low demand and high frequency
		19.10.15	15.00	30.10.15	12.30	Machined stopped due to combustion inspection of GT -1
		30.10.15	12.30	5.11.15	02:12	Stopped due to low demand and high frequency
		08.11.15	11:22	8.11.15	12:56	Signal Isolator for driving I/H Converter failed.Machine tripped on Trip Oil Pressure very low.
		27.11.15	14:52	27.11.15	18:10	machine stopped manually as GT#1 tripped.
		30.11.15	05:50	30.11.15	09:35	machine stopped manually as GT#1 tripped.
		12.12.15	06:20	12.12.15	07:45	Machine tripped due to failure of auxiliary supplu as 160 MVA ICT Transformer 1&2 tripped.
		14.12.15	01:02	14.12.15	15:56	Stopped due to low demand and high frequency
		16.12.15	00:00	16.12.15	17:27	
		29.12.15	19:20	29.12.15	20:50	Drum level parameter freezed due to failue of BK Card and machine tripped on main Steam temperature low alam.
		13.01.16	10:55	13.01.16	11:40	Machine tripped on Turbine Ch-I & II. UPS supply failed and other parameters were normal.
		18.01.16	03:47	18.01.16	05:58	Machine tripped due to heavy jerk as Geeta colony-Wazirabad line tripped.
		19.01.16	01:30	19.01.16	05:40	Machine tripped due to heavy jerk as Patpar Ganj line tripped.
		24.01.16	05:48	24.01.16	08:13	
		27.01.16	22:13	28.01.16	12:00	Machine tripped due to heavy jerk observed in system and m/c tripped on Generator stator earth fault.
		28.01.16	12:00	31.01.16	23:59	M/c cleared from maintainence side but not taken on load due to low schedule from SLDC.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	**30**	02.03.15	12.40	04.04.15	15.59	Stopped due to low demand and high frequency
		04.04.15	16.05	04.04.15	17.38	
		04.04.15	18.10	15.04.15	15.20	
		16.04.15	00.55	21.04.15	14.57	
		27.04.15	15.00	06.05.15	13.32	
		12.05.15	11.18	12.05.15	12.11	Machine tripped on reverse power operation
		12.05.15	12.30	22.05.15	14.55	Machine tripped on axial shift very high
		22.05.15	15.40	22.05.15	16.48	Machine tripped due to jerk
		23.05.15	14.00	12.06.15	17.56	Machine tripped on axile shift very high
		13.06.15	14.40	13.06.15	23.59	Machine tripped on grid disturbance and further Stopped due to low demand and high frequency
		14.06.15	00.00	02.07.15	13.15	Stopped due to low demand and high frequency
		02.07.15	13.15	02.07.15	22.58	Stopped due to diaphragm breakup
		03.07.15	00.53	03.07.15	02.42	Machine tripped as GT-4 tripped due to loss of exciation
		04.07.15	19.20	08.08.15	02.18	Stopped due to low demand and high frequency
		08.08.15	02.18	12.08.15	09.47	Machine tried to synchronise but tripped on generator stator earth fault
		13.08.15	20.52	13.08.15	23.59	Stopped due to low demand and high frequency
		14.08.15	00.00	14.08.15	12.30	Machine could not be taken on load due to heavy vibration in turbine
		14.08.15	12.30	20.1.16	15:15	Stopped due to low demand and high frequency
		20.1.16	15:15	29.1.16	14:00	Both GT-3 & 4 are not available.
		29.1.16	14:00	31.1.16	23:59	M/c cleared from maintainence side but not taken on load due to low schedule from SLDC.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	**30**	08.05.15	04.55	08.05.15	08.15	Machine tripped due to generator back up impendance relay
		22.05.15	15.40	22.05.15	19.05	Machine tripped due to jerk
		13.06.15	14.40	13.06.15	16.50	Machine tripped due to grid disturbance and further Stopped due to low demand and high frequency
		21.06.15	11.15	22.06.15	11.05	Stopped due to low demand and high frequency
		24.06.15	01.46	24.06.15	03.05	Machine tripped due to tripping of 20MVA tr.
		25.06.15	07.30	26.06.15	14.58	Stopped due to low demand and high frequency
		04.07.15	12.20	04.07.15	15.30	machine tripped due to durm level high
		10.07.15	21.10	07.07.15	22.25	Heavy jerk observed in control room and machine tripped
		14.07.15	03.50	10.07.15	05.52	Machine tripped on sudden jerk observed in ontrol room
		17.07.15	08.20	14.07.15	09.36	Machine tripped on sudden jerk observed in control room
		23.07.15	13.13	17.07.15	17.15	machine tripped due to islanding from 220side PPS-1
		01.08.15	07.27	23.07.15	16.30	Machine triped on false alarm of boiler trip
		01.08.15	16.30	01.08.15	17.18	HRSG #6 made parallel with HRSG-5
		02.08.15	01.47	02.08.15	04.25	machine tripped on false alarm of inlet steam temp low
		02.08.15	04.25	02.08.15	04.40	HRSG-5 made parallel with HRSG -6
		05.08.15	11.10	05.08.15	13.23	Machine tripped on low vaccum
		06.08.15	18.02	07.08.15	01.40	Machine tripped on heavy jerk
		07.08.15	17.15	15.08.15	23.59	Machine tripped as the turbovisiory monitor trip with flash
		16.08.15	00.00	22.08.15	16.45	Stopped due to low demand and high frequency
		22.08.15	16.45	30.08.15	16.00	Stopped to attend smoke from bearing no -1 and control valve
		30.08.15	16.00	02.09.15	19.44	Stopped due to low demand and high frequency
		09.09.15	11.42	09.09.15	13.58	Machine tripped as both 160 MVA Transformer I&II tripped
		09.09.15	16.47	09.09.15	17.40	Machine tripped on Exhaust steam pressure very high.
		13.09.15	12.50	13.09.15	14.10	Machine tripped as both 160 MVA Transformer I&II tripped
		17.09.15	09.42	17.09.15	10.35	Machine tripped manually as the GT#6 came on FSNL
		19.09.15	05.25	19.09.15	05.58	Machine tripped as the GT#6 came on FSNL
		22.09.15	16.17	22.09.15	17.04	Machine tripped as the GT#6 came on FSNL
		09.10.15	03.50	09.10.15	05.20	Machine tripped due to tripping of GT
		03.11.15	02:01	03.11.15	02:55	Machine tripped due to heavy jerk as 11 KV feeder from GT to Sen Nursing Home nallah tripped.
		05.11.15	02:14	07.01.16	08:15	Stopped due to low demand and high frequency
		07.01.16	12:05	08.01.16	08:31	
		08.01.16	12:00	08.01.16	13:45	Machine tripped due to Exhaust Steam pressure very high.
		08.01.16	16:00	28.01.16	03:40	Stopped due to low demand and high frequency
		29.01.16	09:42	29.01.16	11:32	Machine stopped to attend drum level of HRSG#5.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	19.04.15	11.00	20.04.15	05.54	Stopped due to low demand and high frequency
		06.05.15	09.13	06.05.15	12.22	Stopped by DTL to attend hot spot
		10.05.15	07.21	10.05.15	17.13	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	08.37	Unit tripped due to grid disturbance
		06.05.15	09.13	06.05.15	12.22	Unit stopped as desired by DTL to attend hot spot
		10.05.15	07.21	10.05.15	17.13	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	08.37	Unit tripped due to grid disturbance
		18.09.15	14.57	18.09.15	16.26	Unit tripped on internal fault
		19.09.15	15.24	19.09.15	18.42	
		20.09.15	13.08	20.09.15	15.20	
		26.09.15	18.07	26.09.15	19.52	Unit tripped due to grid disturbance
		12.10.15	22.06	13.10.15	00.31	Unit tripped due to bus -1 dead
		13.10.15	12.58	13.10.15	13.55	
		07.11.15	10.55	07.11.15	20.53	GT-1 stopped after swaping of GT-2 for testing
		21.11.15	15.25	21.11.15	16.21	GT-1 tripped due to bus ï I died
		08.01.16	04.46	08.01.16	05.15	Unit tripped on grid disturbance
		08.01.16	09.37	08.01.16	11.13	Unit tripped on grid disturbance
		10.01.16	09.19	10.01.16	18.00	Unit stopped to change inlet air filters
		10.01.16	18.00	11.01.16	06.23	Stopped due to low demand and high frequency
		12.01.16	18.27	19.01.16	11.17	
		24.01.16	23.18	27.01.16	10.00	
		27.01.16	10000	28.01.16	16.00	Unit was unavailable as it was under pre-outage performance testing by OEM. Outage continued due to non scheduling
		28.01.16	16.00	30.01.16	06.24	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	01.04.15	00.00	19.04.15	07.47	Stopped due to low demand and high frequency
		24.04.15	15.09	24.04.15	16.31	Unit tripped on internal fault
		16.05.15	00.00	18.05.15	08.44	Stopped due to low demand and high frequency
		20.05.15	04.01	20.05.15	10.05	
		16.05.15	00.00	18.05.15	08.44	
		20.05.15	04.01	20.05.15	10.05	
		01.09.15	16.06	01.09.15	16.24	Unit tripped due to bus ï II tripped
		09.09.15	11.43	09.09.15	11.59	Unit tripped due to bus ï II tripped
		13.09.15	12.53	13.09.15	13.33	Unit tripped on grid disturbance
		22.09.15	17.00	07.11.15	09.35	Stopped due to low demand and high frequency
		07.11.15	21.52	07.01.16	04.44	
		08.01.16	16.38	10.01.16	07.59	
		19.01.16	12.38	22.01.16	11.59	
		22.01.16	15.58	24.01.16	21.11	
		30.01.16	14.45	31.01.16	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	06.05.15	05.13	06.05.15	09.05	Stopped by DTL to attend hot spot
		10.05.15	16.48	10.05.15	18.42	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	07.26	Unit tripped due to grid disturbance
		06.05.15	05.13	06.05.15	09.05	Unit stopped by DTL to attend hot spot
		10.05.15	16.48	10.05.15	18.42	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	07.26	Unit tripped due to grid disturbance
		26.09.15	18.07	26.09.15	21.31	
		12.10.15	22.06	13.10.15	02.45	
		13.10.15	02.45	13.10.15	22.07	Stopped to attend internal fault
		20.10.15	04.16	21.10.15	17.40	
		21.11.15	15.16	21.11.15	18.44	STG tripped due to grid disturbance
		08.01.16	04.33	08.01.16	14.52	
		24.01.16	05.48	24.01.16	11.28	

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.15	00.00	31.01.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	01.04.15	00.00	21.04.15	13.44	
		01.05.15	14.55	07.05.15	01.27	Stopped due to low demand and high frequency
		07.05.15	13.07	07.05.15	20.57	AVR & Excitation system
		11.05.15	13.57	05.08.15	23.59	
		06.08.15	00.00	23.09.15	04.41	
		24.09.15	19.52	31.01.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	01.04.15	00.00	01.04.15	16.00	Economizer tube leakage
		01.04.15	16.00	20.04.15	22.50	
		15.05.15	17.20	27.05.15	22.09	
		13.06.15	20.34	19.06.15	00.00	Stopped due to low demand and high frequency
		20.06.15	00.00	20.06.15	17.35	AVR & Excitaiton system problem
		20.06.15	08.16	04.07.15	20.41	
		17.07.15	20.52	23.07.15	06.28	Stopped due to low demand and high frequency
		29.07.15	12.59	29.07.15	14.59	Differential protection
		29.07.15	14.59	01.08.15	19.35	
		03.08.15	20.38	20.09.15	12.40	Stopped due to low demand and high frequency
		27.09.15	03.17	28.09.15	06.30	Gen. , auxiliaries and electrical system problem
		02.10.15	18.16	03.10.15	13.47	
		09.10.15	01.00	31.01.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	05.04.15	11.00	06.04.15	18.48	Water wall leakage
		10.05.15	00.34	10.05.15	06.45	AVR & Excitation system
		11.05.15	15.18	11.05.15	17.36	Human error vaccum low
		18.05.15	06.12	18.05.15	12.33	6.6kv breaker problem
		31.05.15	23.31	03.06.15	13.37	6.6kv breaker problem
		03.06.15	13.37	06.06.15	05.03	Stopped due to low demand and high frequency
		05.08.15	08.11	05.08.15	14.29	Stopped due to generation, auxillaires and electrical system problem
		10.09.15	13.53	13.09.15	02.49	Boiler and auxiliaries problem
		13.09.15	03.30	13.09.15	12.11	C&I System problem
		20.09.15	01.48	10.10.15	00.56	Out due to planned outages
		10.10.15	01.26	02.12.15	01.04	Stopped due to low demand and high frequency
		02.12.15	05.38	02.12.15	08.02	LT Breaker problem
		05.12.15	08.45	05.12.15	11.57	C & I Problem
		09.12.15	07.05	12.12.15	14.30	PA Fan B Motor problem
		12.12.15	14.30	31.01.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	01.04.15	00.00	10.05.15	21.04	Planned shutdown
		13.05.15	00.30	13.05.15	12.55	Human error durm level low
		26.05.15	06.47	26.05.15	11.04	Leakage in BFP a disch flow transmitter
		05.06.15	21.14	08.06.15	17.30	Super heater leakage
		08.06.15	17.30	09.06.15	01.40	Stopped due to low demand and high frequency
		01.08.15	13.56	03.08.15	13.40	Stopped due to boiler and auxillzaries
		04.10.15	19.37	04.10.15	23.20	C & I System
		12.10.15	22.05	13.10.15	01.28	Transmission lines / grid disturbance
		01.12.15	21.41	03.12.15	05.25	Water wall leakage
		03.12.15	05.25	09.12.15	06.28	Stopped due to low demand and high frequency
		24.01.16	11.23	25.01.16	00.43	G.T. Bushing replacement

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	19.01.15	14.26	25.04.15	07.40	G.T.-I compressor stalled detected STG-I simultaneously tripped
		01.05.15	14.04	01.05.15	16.07	Unit tripped on customer trip alarm
		15.05.15	14.24	25.05.15	11.00	Stopped due to low demand and high frequency
		25.05.15	11.00	04.06.15	18.15	Bushing change of G.T.-1 transformer
		04.06.15	18.15	16.06.15	11.29	Stopped due to low demand and high frequency
		22.06.15	15.30	22.06.15	21.00	Unit tripped on pole discripency relay
		22.06.15	21.00	14.07.15	03.10	Stopped due to low demand and high frequency
		16.07.15	02.18	31.01.16	23.59	Machine tripped due to compressor stalling alarm

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	13.04.15	16.18	13.04.15	17.48	**Tripping of 2DA emergency section bus coupler, resultend GT-2 tripped on low lube oil pressure**
		25.04.15	23.17	15.05.15	06.50	Stopped due to low demand and high frequency
		30.05.15	19.04	09.06.15	09.00	
		09.06.15	09.00	21.06.15	11.00	Unit taken under CI
		21.06.15	11.00	22.06.15	16.37	
		11.07.15	15.12	16.07.15	06.14	
		19.07.15	10.22	17.09.15	00.42	
		29.09.15	00.55	30.09.15	01.42	
		03.10.15	00.12	06.10.15	14.42	
		29.10.15	00.54	31.10.15	01.42	Stopped due to low demand and high frequency
		07.11.15	09.47	07.11.15	24.00	Due to ambient conditions DP started icreasing and machine desynch
		08.11.15	00.00	08.01.16	11.50	Stopped due to low demand and high frequency
		26.01.16	00.00	27.01.16	00.57	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	13.04.15	16.18	13.04.15	19.16	Unit stopped due to tripping of G.T. -2
		20.04.15	13.32	20.04.15	15.31	Unit tripped due to PDMX appeared on GRP panel
		01.05.15	14.10	01.05.15	17.29	Machine stopped due to G.T.-1 tripped
		02.05.15	16.29	02.05.15	22.34	Unit tripped on HP exhaust steam temperature very high
		30.05.15	19.10	04.06.15	18.00	Stopped due to low demand and high frequency
		04.06.15	18.00	14.06.15	22.00	STG-1 for bu;shing change
		14.06.15	22.00	16.06.15	20.27	Stopped due to low demand and high frequency
		22.06.15	15.38	22.06.15	20.12	STG tripped due to tripping of Unit ï I
		01.07.15	20.56	01.07.15	21.50	STG -1 tripped because of shaft voltage high
		11.07.15	15.15	14.07.15	06.55	Stopped due to low demand and high frequency
		16.07.15	02.18	16.07.15	10.59	Tripped subcequent to GT-1 and then synch with GT-2
		16.07.15	10.28	17.09.15	09.07	
		29.09.15	00.55	30.09.15	07.53	Stopped due to low demand and high frequency
		03.10.15	00.12	06.10.15	21.50	
		29.10.15	00.55	31.10.15	07.53	
		07.11.15	09.48	07.11.15	24.00	G.T.-2 DP increased subsequently machine desynchronized
		08.11.15	00.00	08.01.16	11.50	
		08.01.16	11.50	08.01.16	22.59	Stopped due to low demand and high frequency
		26.01.16	00.05	27.01.16	06.50	
		27.01.16	06.50	31.01.16	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	24.03.15	04.47	01.09.15	10.00	Tripped due to G.T. -3 generator transformer engulfed in fire with huge blast
		01.09.15	10.00	31.10.15	23.59	
		01.11.15	00.00	09.11.15	01.25	Stopped due to low demand and high frequency
		09.11.15	06.42	09.11.15	09.59	G.T.-3 performance heater leakage
		18.11.15	18.27	18.11.15	21.26	LA damage in DTL 220kV Bawana- DSIDC Bawana Ckt.
		28.11.15	18.23	08.01.16	09.14	
		08.01.16	11.20	08.01.16	23.15	Stopped due to low demand and high frequency
		08.01.16	23.15	31.01.16	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	01.04.15	00.00	05.05.15	17.00	Stopped due to low demand and high frequency
		05.05.15	17.00	19.05.15	21.00	Bushing change of G.T.-4 Transformer
		19.05.15	21.00	30.05.15	19.04	Stopped due to low demand and high frequency
		14.06.15	02.00	13.07.15	14.42	
		17.07.15	00.23	15.07.15	11.15	GT-4 exhaust spread high
		15.07.15	11.15	22.07.15	12.04	
		25.07.15	21.49	04.09.15	00.03	Stopped due to low demand and high frequency
		16.09.15	19.38	25.09.15	24.00	Unit tripped due to the cold gas temp high
		26.09.15	00.00	30.11.15	23.59	Stopped due to low demand and high frequency
		16.12.15	20.23	16.12.15	22.54	Tripped due to internal fault
		08.01.16	01.47	08.01.16	23.15	
		08.01.16	23.15	31.01.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	01.04.15	00.00	05.05.15	17.00	Stopped due to low demand and high frequency
		19.05.15	21.00	30.05.15	19.04	
		03.06.15	18.26	03.06.15	20.33	STG-2 tripped due to CW Problem
		14.06.15	02.00	14.07.15	00.03	Stopped due to low demand and high frequency
		14.07.15	00.23	15.07.15	11.15	Tripped subsequent to GT-4
		15.07.15	11.15	22.07.15	20.23	Stopped due to low demand and high frequency
		25.07.15	20.38	25.07.15	21.38	STG -2 tripped
		25.07.15	21.49	04.09.15	07.20	Stopped due to low demand and high frequency
		16.09.15	19.38	24.09.15	24.00	Unit tripped as GT-4 tripped due to the cold gas temp high
		26.09.15	00.00	09.11.15	14.29	Stopped due to low demand and high frequency
		18.11.15	18.32	18.11.15	23.50	Unit tripped due to tripping of G.T.-3
		15.12.15	19.15	16.12.15	00.18	STG -2 tripped on internal fault
		16.12.15	20.23	17.12.15	02.04	GT-4 tripped subsequently STG-2 tripped
		17.12.15	03.36	17.12.15	11.33	STG -2 tripped on internal fault
		08.01.16	11.20	08.01.16	23.15	
		08.01.16	23.15	31.01.16	23.59	Stopped due to low demand and high frequency

(F) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	31.01.16	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	31.01.16	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	31.01.16	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 01.04.2015

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	576	500	0	0	500
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**	**2126**	**1860**	**0**	**0**	**1860**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-I HEP	480	0	53	50	0	0	50
URI-II HEP	240	0	32	31	0	0	31
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
Parbati-III HEP	520	66	66	63	0	0	63
TOTAL	**4065**	**272**	**479**	**455**	**0**	**0**	**455**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**880**	**128**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
THDC							
Tehri Hydro	1000	99	103	98	0	0	98
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**135**	**0**	**0**	**135**
Total	**17627**	**1990**	**2992**	**2674**	**0**	**0**	**2674**
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	0	0	0	0	0
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	**29047**	**2257**	**3698**	**3275**	**0**	**0**	**3275**

B) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 01.07.2015

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	576	500	0	0	500
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**	**2126**	**1860**	**0**	**0**	**1860**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-I HEP	480	0	53	50	0	0	50
URI-II HEP	240	0	32	31	0	0	31
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
Parbati-III HEP	520	66	66	63	0	0	63
TOTAL	**4065**	**272**	**479**	**455**	**0**	**0**	**455**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**880**	**128**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
THDC							
Tehri Hydro	1000	99	103	98	0	0	98
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**135**	**0**	**0**	**135**
Total	**17627**	**1990**	**2992**	**2674**	**0**	**0**	**2674**
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	304	273	0	0	273
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	**29047**	**2257**	**4002**	**3548**	**0**	**0**	**3548**

C) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 18.07.2015

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	136	0	0	136
Rihand-I	1000	150	100	91	0	0	91
Rihand Stage -II	1000	150	126	114	0	0	114
Rihand Stage -III	1000	150	132	119	0	0	119
ANTA GPS	419	63	44	43	0	0	43
Auriya GPS	663.36	99	72	70	0	0	70
Dadri GPS	829.78	129	91	88	0	0	88
Dadri NCTPS (Th)	840	0	576	521	0	0	521
Dadri NCTPS (Th) Stage-II	980	147	735	665	0	0	665
Unchahaar-I TPS	420	20	24	22	0	0	22
Unchahaar-II TPS	420	63	47	43	0	0	43
Unchahaar-III TPS	210	31	29	26	0	0	26
TOTAL	**9782**	**1302**	**2126**	**1937**	**0**	**0**	**1937**
NHPC							
Baira Suil HPS	180	0	20	20	0	0	20
Salal HPS	690	0	80	79	0	0	79
Tanakpur HEP	94	0	12	12	0	0	12
Chamera HEP	540	0	43	42	0	0	42
Chamera-II HEP	300	54	40	40	0	0	40
Chamera-III HEP	231	35	29	29	0	0	29
URI-I HEP	480	0	53	52	0	0	52
URI-II HEP	240	0	32	32	0	0	32
Sewa HEP	120	18	16	16	0	0	16
Dhauli Ganga HEP	280	42	37	37	0	0	37
Dulhasti HEP	390	58	50	50	0	0	50
Parbati-III HEP	520	66	66	66	0	0	66
TOTAL	**4065**	**272**	**479**	**474**	**0**	**0**	**474**
NPC							
Narora APS	440	64	47	43	0	0	43
RAPP (C)	440	64	56	51	0	0	51
TOTAL	**880**	**128**	**103**	**93**	**0**	**0**	**93**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	141	0	0	141
THDC							
Tehri Hydro	1000	99	103	102	0	0	102
Koteshwar HEP	400	40	39	39	0	0	39
TOTAL	**1400**	**139**	**142**	**141**	**0**	**0**	**141**
Total	**17627**	**1990**	**2992**	**2786**	**0**	**0**	**2786**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	20	0	0	20
Kahalgaon	840	0	51	46	0	0	46
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	27	0	0	27
Kahalgaon-II	1500	0	157	142	0	0	142
Total ER	**5960**	**153**	**261**	**236**	**0**	**0**	**236**
Joint Venture							
Jhajjar TPS	1500	114	304	284	0	0	284
Ultra Mega Projects							
Sasan	3960	0	446	417	0	0	417
Grand Total	**29047**	**2257**	**4002**	**3723**	**0**	**0**	**3723**

D) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 01.09.2015

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
Koldam HEP	800	120	56	53	0	0	53
TOTAL	**10582**	**1422**	**2362**	**2069**	**0**	**0**	**2069**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-I HEP	480	0	53	50	0	0	50
URI-II HEP	240	0	32	31	0	0	31
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
Parbati-III HEP	520	66	66	63	0	0	63
TOTAL	**4065**	**272**	**479**	**455**	**0**	**0**	**455**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**880**	**128**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
THDC							
Tehri Hydro	1000	99	103	98	0	0	98
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**135**	**0**	**0**	**135**
Total	**18427**	**2110**	**3228**	**2884**	**0**	**0**	**2884**
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	304	273	0	0	273
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	**29847**	**2377**	**4238**	**3757**	**0**	**0**	**3757**

E) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 01.10.2015

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
Koldam HEP	800	120	56	53	0	0	53
TOTAL	**10582**	**1422**	**2362**	**2069**	**0**	**0**	**2069**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-I HEP	480	0	53	50	0	0	50
URI-II HEP	240	0	32	31	0	0	31
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
Parbati-III HEP	520	66	66	63	0	0	63
TOTAL	**4065**	**272**	**479**	**455**	**0**	**0**	**455**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**880**	**128**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
THDC							
Tehri Hydro	1000	99	103	98	0	0	98
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**135**	**0**	**0**	**135**
Total	**18427**	**2110**	**3228**	**2884**	**0**	**0**	**2884**
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	0	0	0	0	0
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	**29847**	**2377**	**3934**	**3484**	**0**	**0**	**3484**

F) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 16.10.2015

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
Koldam HEP	800	120	56	53	0	0	53
TOTAL	**10582**	**1422**	**2362**	**2069**	**0**	**0**	**2069**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-I HEP	480	0	53	50	0	0	50
URI-II HEP	240	0	32	31	0	0	31
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
Parbati-III HEP	520	66	66	63	0	0	63
TOTAL	**4065**	**272**	**479**	**455**	**0**	**0**	**455**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**880**	**128**	**103**	**89**	**0**	**0**	**89**
SVJNL							
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	**18427**	**2110**	**3188**	**2846**	**0**	**0**	**2846**
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	0	0	0	0	0
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	**29847**	**2377**	**3894**	**3446**	**0**	**0**	**3446**

5 ALLOCATION OF POWER TO DISCOMS

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

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

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

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

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

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

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING JANUARY 2016

All figures in MW

Date	Time of peak demand	Generation within Delhi								Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	Towmcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	10.08.58	0	34	141	0	252	6	167	600	3262	3138	124	3862	4	3866
2	10.03.40	0	31	141	0	252	6	167	597	2912	2916	-4	3509	0	3509
3	10.32.25	0	33	142	0	260	9	164	608	2903	2944	-41	3511	0	3511
4	10.27.56	0	22	141	0	252	10	165	590	3130	3089	41	3720	4	3724
5	09.48.13	0	35	142	0	253	9	164	603	3041	3125	-84	3644	0	3644
6	10.30.27	0	36	140	0	253	11	157	597	3224	3101	123	3821	0	3821
7	10.01.17	0	144	265	0	255	8	163	835	2834	3045	-211	3669	0	3669
8	10.21.51	0	112	99	0	25	11	185	432	3164	2993	171	3596	326	3922
9	09.55.11	0	35	139	0	250	8	165	597	2953	2835	118	3550	3	3553
10	10.45.38	0	32	140	0	250	10	166	598	2836	2756	80	3434	0	3434
11	10.01.18	0	29	278	0	252	9	163	731	2891	2917	-26	3622	1	3623
12	10.00.57	0	72	289	0	255	8	165	789	2874	2932	-58	3663	0	3663
13	09.43.19	0	36	141	0	255	13	165	610	3178	2992	186	3788	0	3788
14	10.15.56	0	36	140	0	254	15	194	639	3114	2660	454	3753	0	3753
15	10.03.00	0	35	139	0	253	16	190	633	3346	3195	151	3979	4	3983
16	10.27.43	0	34	141	0	252	7	168	602	3164	3076	690	4368	8	3766
17	10.31.03	0	35	142	0	253	13	162	605	3071	2964	107	3676	10	3686
18	10.21.57	0	36	137	0	254	16	161	604	3035	3209	-174	3639	0	3639
19	10.33.05	0	38	138	0	255	14	193	638	3170	3089	81	3808	23	3831
20	10.25.28	0	38	139	0	251	12	167	607	3382	3249	133	3989	3	3992
21	10.12.07	0	38	140	0	254	14	163	609	3318	3221	97	3927	3	3930
22	09.59.33	0	37	138	0	251	14	189	629	3496	3380	116	4125	51	4176
23	10.09.01	0	41	158	0	253	8	171	631	3372	3327	45	4003	9	4012
24	10.53.40	0	39	103	0	253	15	167	577	3414	3299	115	3991	15	4006
25	10.34.27	0	39	140	0	255	13	164	611	3489	3483	6	4100	8	4108
26	10.01.04	0	39	141	0	-4	12	162	350	3010	3169	-159	3360	4	3364
27	09.56.40	0	40	137	0	252	15	162	606	3307	3297	10	3913	4	3917
28	10.03.10	0	35	138	0	254	9	162	598	3119	3185	-66	3717	0	3717
29	10.23.09	0	22	157	0	254	15	188	636	3228	3225	3	3864	4	3868
30	09.45.33	0	39	319	0	252	13	161	784	2806	2690	116	3590	2	3592
31	10.30.48	0	40	141	0	252	14	156	603	3004	2787	217	3607	0	3607

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JANUARY 2016

Date	Time of peak demand	Generation within Delhi								Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	Townmcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	10.08.58	0	34	141	0	252	6	167	600	3262	3138	124	3862	4	3866
2	10.03.40	0	31	141	0	252	6	167	597	2912	2916	-4	3509	0	3509
3	10.32.25	0	33	142	0	260	9	164	608	2903	2944	-41	3511	0	3511
4	10.27.56	0	22	141	0	252	10	165	590	3130	3089	41	3720	4	3724
5	09.48.13	0	35	142	0	253	9	164	603	3041	3125	-84	3644	0	3644
6	10.30.27	0	36	140	0	253	11	157	597	3224	3101	123	3821	0	3821
7	10.01.17	0	144	265	0	255	8	163	835	2834	3045	-211	3669	0	3669
8	10.21.51	0	112	99	0	25	11	185	432	3164	2993	171	3596	326	3922
9	09.55.11	0	35	139	0	250	8	165	597	2953	2835	118	3550	3	3553
10	10.45.38	0	32	140	0	250	10	166	598	2836	2756	80	3434	0	3434
11	10.01.18	0	29	278	0	252	9	163	731	2891	2917	-26	3622	1	3623
12	10.00.57	0	72	289	0	255	8	165	789	2874	2932	-58	3663	0	3663
13	09.43.19	0	36	141	0	255	13	165	610	3178	2992	186	3788	0	3788
14	10.15.56	0	36	140	0	254	15	194	639	3114	2660	454	3753	0	3753
15	10.03.00	0	35	139	0	253	16	190	633	3346	3195	151	3979	4	3983
16	10.27.43	0	34	141	0	252	7	168	602	3164	3076	690	4368	8	3766
17	10.31.03	0	35	142	0	253	13	162	605	3071	2964	107	3676	10	3686
18	10.21.57	0	36	137	0	254	16	161	604	3035	3209	-174	3639	0	3639
19	10.33.05	0	38	138	0	255	14	193	638	3170	3089	81	3808	23	3831
20	10.25.28	0	38	139	0	251	12	167	607	3382	3249	133	3989	3	3992
21	10.12.07	0	38	140	0	254	14	163	609	3318	3221	97	3927	3	3930
22	09.59.33	0	37	138	0	251	14	189	629	3496	3380	116	4125	51	4176
23	10.09.01	0	41	158	0	253	8	171	631	3372	3327	45	4003	9	4012
24	10.53.40	0	39	103	0	253	15	167	577	3414	3299	115	3991	15	4006
25	10.34.27	0	39	140	0	255	13	164	611	3489	3483	6	4100	8	4108
26	10.01.04	0	39	141	0	-4	12	162	350	3010	3169	-159	3360	4	3364
27	09.56.40	0	40	137	0	252	15	162	606	3307	3297	10	3913	4	3917
28	10.03.10	0	35	138	0	254	9	162	598	3119	3185	-66	3717	0	3717
29	10.23.09	0	22	157	0	254	15	188	636	3228	3225	3	3864	4	3868
30	09.45.33	0	39	319	0	252	13	161	784	2806	2690	116	3590	2	3592
31	10.30.48	0	40	141	0	252	14	156	603	3004	2787	217	3607	0	3607

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR JANUARY 2016

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

A (i) RPH	0.000
(ii) GT+STG	31.192
(iii) PRAGATI	117.661
(iv) RITHALA	0.000
(v) BAWANA CCGT	181.078
(vi) Timarpur ï Okhla	10.260
TOTAL	340.191
B) AVAILABILITY FROM BTPS	119.282
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	13.434
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**446.039**

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	1.537	1.476	1.147	1.101
SALAL	9.628	9.240	7.181	6.892
SASAN	285.517	273.946	285.409	273.843
TANKAPUR	1.096	1.052	0.817	0.784
CHAMERA	3.761	3.610	2.806	2.693
CHAMERA -II	4.202	4.033	3.134	3.009
CHAMERA -III	2.190	2.103	1.634	1.569
DHAULIGANGA	2.999	2.879	2.237	2.147
SEWA -2	1.431	1.373	1.067	1.025
URI	15.899	15.262	11.861	11.385
URI-II	11.938	11.459	11.938	11.459
KOLDAM	5.170	4.964	5.170	4.964
KOTESHWAR	9.547	9.161	9.547	9.161
PARBATI3	0.000	0.000	0.000	0.000
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	0.000	0.000	0.000	0.000
ANTA (RLNG)	28.518	27.342	4.333	4.156
ANTA (LIQUID)	3.832	3.701	0.000	0.000
DADRI (GAS)	32.133	30.828	15.045	14.436
DADRI (RLNG)	29.935	28.705	0.807	0.774
DADRI (LIQUID)	4.329	4.181	0.000	0.000
AURAIYA (GAS)	10.149	9.732	4.075	3.907
AURAIYA (RLNG)	40.105	38.487	4.047	3.881
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	101.647	97.550	97.362	93.437
RIHAND -I	62.539	60.024	49.146	47.168
RIHAND -II	90.100	86.460	76.204	73.121
RIHAND -III	92.202	88.475	82.740	79.391
UNCHAHAR-I	17.253	16.556	11.559	11.087
UNCHAHAR-II	33.531	32.176	24.499	23.506
UNCHAHAR-III	20.748	19.909	15.296	14.675
DADRI (TH)	545.724	523.666	354.995	340.384
DADRI (TH) STAGE-II	545.882	523.813	345.208	330.816
NAPP	32.603	31.284	32.603	31.284
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	39.503	37.905	39.503	37.905
NATHPA JHAKRI	19.212	18.440	14.332	13.757
DULASTI	10.931	10.492	10.931	10.492
TEHRI	15.855	15.216	15.855	15.216
JHAJJAR	0.000	0.000	0.000	0.000
KHELGAON	30.960	29.725	17.273	16.579
KHELGAON-II	108.656	104.269	81.210	77.917
FARAKA	13.857	13.296	8.229	7.893
TALA	1.264	1.214	1.264	1.214

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
TALCHER	0.000	0.000	0.000	0.000
DVC	156.046	153.637	153.637	147.414
UTTAR PRADESH	6.880	6.690	6.690	6.419
TRIPUA	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
ASSAM	0.000	0.000	0.000	0.000
DVC CTPS (BYPL)	0.000	0.000	0.000	0.000
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	178.320	175.545	175.545	168.386
DVC MEJIA (LT-08)(BYPL)	72.413	71.297	71.297	68.417
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	1.201	1.180	1.180	1.132
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
PUNJAB	17.666	17.354	17.354	16.653
MADHYA PRADESH	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	24.540	24.104	24.104	23.126
RAJASTHAN	0.200	0.192	0.192	0.184
ORISSA	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	3.472	3.340	3.340	3.203
RAJASTHAN(SOLAR) BYPL - LT-35	3.507	3.374	3.374	3.236
RAJASTHAN(SOLAR) TPDDL LT-31	3.461	3.330	3.330	3.194
TO JAMMU & KASHMIR	-242.740	-247.733	-247.733	-258.172
TO KARNATAKA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO MEGHALAYA	-14.356	-14.595	-14.595	-15.210
TO PUNJAB	0.000	0.000	0.000	0.000
TO CHATTISHGARH	-35.615	-36.337	-36.337	-37.869
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO KERALA	-9.232	-9.429	-9.429	-9.839
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-75.184	-77.522	-77.522	-80.788
TO ORISSA	-59.034	-59.958	-59.958	-62.485
POWER EXCHANGE(IEX)	113.532	109.230	113.532	109.230
TO POWER EXCHANGE (IEX)	-99.331	-103.718	-99.331	-103.718
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-0.568	-0.594	-0.568	-0.594
TO SHARE PROJECT (HARYANA)	-16.570	-17.266	-16.570	-17.266
TO SHARE PROJECT (PUNJAB)	-16.570	-17.266	-16.570	-17.266
TOTAL	2298.423	2178.861	1645.423	1530.418

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	1663.799	1596.569	1090.485	1045.703
NTPC - ER	153.473	147.290	106.712	102.389
NHPC	65.612	62.980	54.753	52.556
NPC	72.106	69.189	72.106	69.189
SASAN	285.517	273.946	285.409	273.843
KOTESHWAR	9.547	9.161	9.547	9.161
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	19.212	18.440	14.332	13.757
TEHRI	15.855	15.216	15.855	15.216
TALA	1.264	1.214	1.264	1.214
JHAJJAR	0.000	0.000	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.472	3.340	3.340	3.203
RAJASTHAN SOLAR(BYPL)T-35	3.507	3.374	3.374	3.236

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
RAJASTHAN SOLAR(TPDDL)T-31	3.461	3.330	3.330	3.194
DVC	156.046	153.637	153.637	147.414
UTTAR PRADESH	6.880	6.690	6.690	6.419
TRIPURA	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
ASSAM	0.000	0.000	0.000	0.000
DVC CTPS (BYPL)	0.000	0.000	0.000	0.000
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	178.320	175.545	175.545	168.386
DVC MEJIA (LT-08)(BYPL)	72.413	71.297	71.297	68.417
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	1.201	1.180	1.180	1.132
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
PUNJAB	17.666	17.354	17.354	16.653
MADHYA PRADESH	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	24.540	24.104	24.104	23.126
RAJASTHAN	0.200	0.192	0.192	0.184
ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	113.532	109.230	113.532	109.230
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2867.624**	**2763.278**	**2224.037**	**2133.623**

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 JAMMU & KASHMIR	-242.740	-247.733	-247.733	-258.172
TO KARNATAKA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO MEGHALAYA	-14.356	-14.595	-14.595	-15.210
TO CHATTISHGARH	-35.615	-36.337	-36.337	-37.869
TO PUNJAB	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO KERALA	-9.232	-9.429	-9.429	-9.839
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-75.184	-77.522	-77.522	-80.788
TO ORISSA	-59.034	-59.958	-59.958	-62.485
TO POWER EXCHANGE (IEX)	-99.331	-103.718	-99.331	-103.718
TO POWER EXCHANGE (PX)	-0.568	-0.594	-0.568	-0.594
TO SHARE PROJECT (HARYANA)	-16.570	-17.266	-16.570	-17.266
TO SHARE PROJECT (PUNJAB)	-16.570	-17.266	-16.570	-17.266
TOTAL	**-569.201**	**-584.417**	**-578.614**	**-603.205**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2298.423**	**2178.861**	**1645.423**	**1530.418**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		1977.650
NET CONSUMPTION		**1964.216**
AVAILABILITY WITHIN DELHI		446.039
ACTUAL DRAWAL FROM THE GRID		1518.177
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-12.241
LOAD SHEDDING		4.417
UNRESTRICTED DEMAND (GROSS)		1982.067
UNRESTRICTED DEMAND (NET)		1968.637
MAX. NET CONSUMPTION		68.595 ON 22.01.2016
MAX. LOAD SHEDDING		464MW ON 08.01.2016 AT 10.35HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	4125MW AT 09.59.33HRS ON 22.01.2016	51 MW
EVENING PEAK	3574MW AT 19.00HRS ON 22.01.2016	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	15.53%
	PRAGATI	47.92%
	RITHALA	0.00%
	BAWANA	17.75%
	Timarpur Okhla	86.19%

9 SHEDDING DETAILS DURING THE MONTH OF JANUARY 2016.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		NDPL	NDMC	TOTAL	BSES		NDPL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.263	0.000	0.000	0.000
02.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
03.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.048	0.000	0.000	0.000
04.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.142	0.009	0.000	0.000
05.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
06.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.016	0.017	0.076	0.000	0.000
07.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
08.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
09.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
10.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
11.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
12.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
13.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.173	0.000	0.000	0.000
14.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.105	0.012	0.000	0.000
15.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.080	0.000	0.000	0.000
16.Jan.16	2	0.000	0.001	0.000	0.000	**0.001**	0.000	0.000	0.000	0.000	0.000
17.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.023	0.000	0.000	0.000
18.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.035	0.000	0.000	0.000
19.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.002	0.002	0.000	0.000
20.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.024	0.000	0.000	0.000
21.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
22.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
23.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
24.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.023	0.029	0.023	0.000	0.000
25.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
26.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
27.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
29.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
30.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
31.Jan.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**2**	**0.000**	**0.001**	**0.000**	**0.000**	**0.001**	**0.039**	**0.941**	**0.122**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		NDPL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.263	0.263
02.Jan.16	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.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.048
04.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.151	0.151
05.Jan.16	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.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.109	0.109
07.Jan.16	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.Jan.16	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.Jan.16	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.Jan.16	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.Jan.16	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.Jan.16	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.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.173	0.173
14.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.117	0.117
15.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.080
16.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
17.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.023
18.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.035
19.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
20.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.024
21.Jan.16	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.Jan.16	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.Jan.16	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.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.075	0.075
25.Jan.16	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.Jan.16	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.Jan.16	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.Jan.16	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.Jan.16	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.Jan.16	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.Jan.16	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	1.102	1.103

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.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.000
02.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
03.Jan.16	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
04.Jan.16	0.000	0.000	0.014	0.000	0.000	0.000	0.007	0.000	0.000
05.Jan.16	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
07.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.010	0.000
08.Jan.16	0.152	0.634	0.513	0.000	0.000	0.009	0.068	0.253	0.000
09.Jan.16	0.000	0.000	0.002	0.000	0.000	0.011	0.007	0.000	0.000
10.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
12.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
13.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
14.Jan.16	0.007	0.006	0.000	0.000	0.000	0.000	0.017	0.000	0.000
15.Jan.16	0.010	0.029	0.017	0.000	0.000	0.000	0.026	0.002	0.000
16.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000
17.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.000
18.Jan.16	0.027	0.009	0.005	0.000	0.000	0.008	0.005	0.000	0.000
19.Jan.16	0.022	0.000	0.013	0.000	0.000	0.011	0.143	0.002	0.000
20.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
21.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.002	0.000
22.Jan.16	0.382	0.000	0.109	0.000	0.000	0.001	0.033	0.021	0.000
23.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.000	0.000
24.Jan.16	0.084	0.009	0.001	0.000	0.000	0.000	0.075	0.011	0.000
25.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.000	0.000
26.Jan.16	0.000	0.000	0.007	0.000	0.000	0.000	0.015	0.001	0.000
27.Jan.16	0.000	0.000	0.000	0.000	0.000	0.022	0.010	0.000	0.000
28.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.004	0.000
29.Jan.16	0.000	0.000	0.007	0.000	0.000	0.000	0.007	0.002	0.000
30.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.003	0.000
31.Jan.16	0.000	0.000	0.001	0.000	0.000	0.000	0.003	0.000	0.000
TOTAL	**0.684**	**0.702**	**0.690**	**0.000**	**0.000**	**0.062**	**0.665**	**0.313**	**0.000**

ALL FIGURES IN MUs

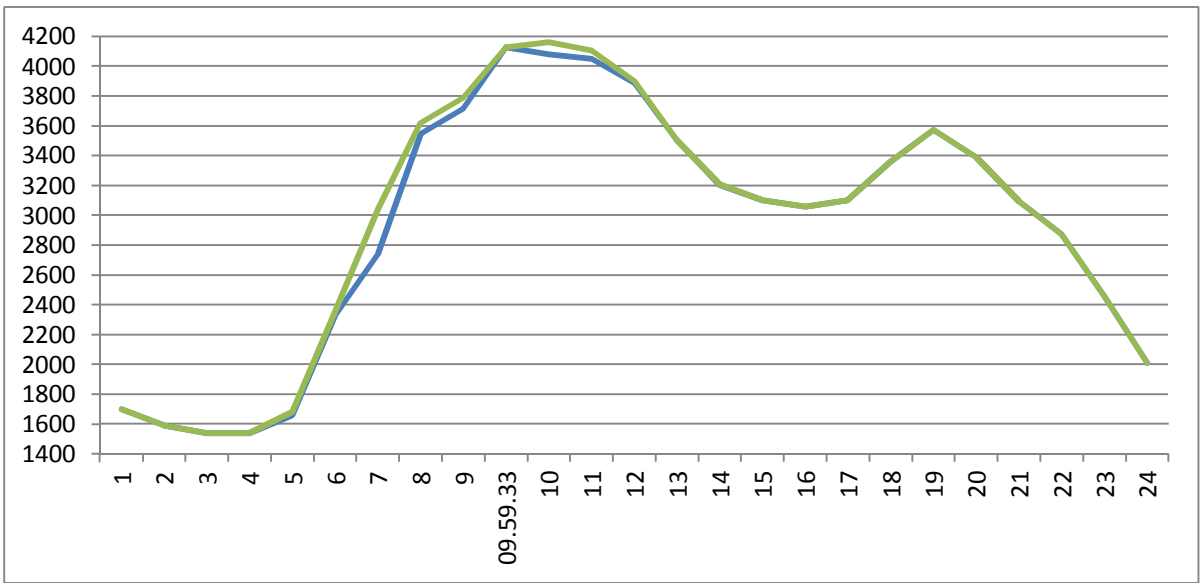
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.019	0.282
02.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
03.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.049
04.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.034	0.185
05.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
06.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.018	0.127
07.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.034	0.034
08.Jan.16	0.000	0.000	0.012	0.000	0.000	0.000	0.000	1.641	1.641
09.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.022	0.022
10.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001
11.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.010	0.010
12.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.004	0.004
13.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.008	0.181
14.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.032	0.149
15.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.084	0.164
16.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.016
17.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.049
18.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.054	0.089
19.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.191	0.195
20.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.035
21.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.052	0.052
22.Jan.16	0.000	0.036	0.006	0.000	0.000	0.000	0.000	0.588	0.588
23.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.031	0.031
24.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.221	0.296
25.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.066	0.066
26.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.024	0.024
27.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.032
28.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
29.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.022	0.022
30.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.042
31.Jan.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
TOTAL	0.000	0.036	0.018	0.000	0.000	0.000	0.144	3.314	4.417

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.Jan.16	62.282	3862	10:08:58	4	3866	3894	10:08:58	3768	126
02.Jan.16	60.075	3509	10:03:40	0	3509	3509	10:03:40	3509	0
03.Jan.16	61.013	3511	10:32:25	0	3511	3511	10:32:25	3511	0
04.Jan.16	62.682	3720	10:27:56	4	3724	3724	10:27:56	3720	4
05.Jan.16	62.626	3644	09:48:13	0	3644	3644	09:48:13	3644	0
06.Jan.16	62.776	3821	10:30:27	0	3821	3821	10:30:27	3821	0
07.Jan.16	61.506	3669	10:01:17	0	3669	3669	10:01:17	3669	0
08.Jan.16	62.688	3596	10:21:51	326	3922	3922	10:21:51	3596	326
09.Jan.16	60.830	3550	09:55:11	3	3553	3553	09:55:11	3550	3
10.Jan.16	58.598	3434	10:45:38	0	3434	3434	10:45:38	3434	0
11.Jan.16	61.431	3622	10:01:18	1	3623	3623	10:01:18	3622	1
12.Jan.16	63.693	3663	10:00:57	0	3663	3663	10:00:57	3663	0
13.Jan.16	63.226	3788	09:43:19	0	3788	3788	09:43:19	3788	0
14.Jan.16	64.129	3753	10:15:56	0	3753	3753	10:15:56	3753	0
15.Jan.16	65.983	3979	10:03:00	4	3983	3983	10:03:00	3979	4
16.Jan.16	62.911	3766	10:27:43	8	3774	3774	10:27:43	3766	8
17.Jan.16	61.680	3676	10:31:03	10	3686	3686	10:31:03	3676	10
18.Jan.16	64.289	3639	10:21:57	0	3639	3639	10:21:57	3639	0
19.Jan.16	64.485	3808	10:33:05	23	3831	3831	10:33:05	3808	23
20.Jan.16	68.301	3989	10:25:28	3	3992	3992	10:25:28	3989	3
21.Jan.16	67.935	3927	10:12:07	3	3930	3930	10:12:07	3927	3
22.Jan.16	68.595	4125	09:59:33	51	4176	4176	09:59:33	4125	51
23.Jan.16	66.335	4003	10:09:01	9	4012	4012	10:09:01	4003	9
24.Jan.16	63.721	3991	10:53:40	15	4006	4006	10:53:40	3991	15
25.Jan.16	66.758	4100	10:34:27	8	4108	4108	10:34:27	4100	8
26.Jan.16	56.681	3360	10:01:04	4	3364	3364	10:01:04	3360	4
27.Jan.16	64.117	3913	09:56:40	4	3917	3917	09:56:40	3913	4
28.Jan.16	66.412	3717	10:03:10	0	3717	3717	10:03:10	3717	0
29.Jan.16	65.926	3864	10:23:09	4	3868	3868	10:23:09	3864	4
30.Jan.16	61.575	3590	09:45:33	2	3592	3592	09:45:33	3590	2
31.Jan.16	60.957	3607	10:30:48	0	3607	3607	10:30:48	3607	0
TOTAL	1964.216	4125 **22.01.16**	09:59:33	51	4176 22.01.16	4176	09:59:33	4125	51

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JANUARY 2016 ON 22.01.2016- 4125MW AT 09.59.33HRS.

All figures in MW

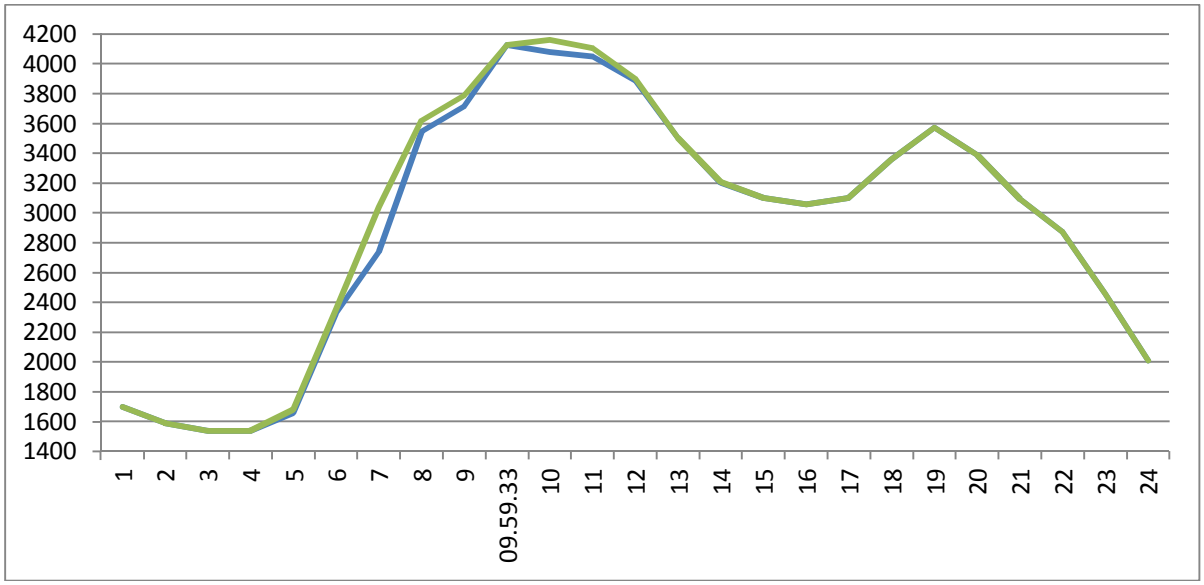
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1701	0	1701
2	1590	0	1590
3	1537	0	1537
4	1537	0	1537
5	1657	23	1680
6	2329	23	2352
7	2741	299	3040
8	3548	71	3619
9	3712	74	3786
09.59.33	4125		4125
10	4077	82	4159
11	4047	58	4105
12	3886	11	3897
13	3504	0	3504
14	3203	5	3208
15	3102	0	3102
16	3058	0	3058
17	3102	0	3102
18	3356	0	3356
19	3574	0	3574
20	3386	0	3386
21	3091	0	3091
22	2874	0	2874
23	2458	0	2458
24	2012	0	2012
Total (IN MUS)	**68.595**	**0.588**	**69.183**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JANUARY 2016 ON 22.01.2016- 4176MW AT 09.59.33HRS.

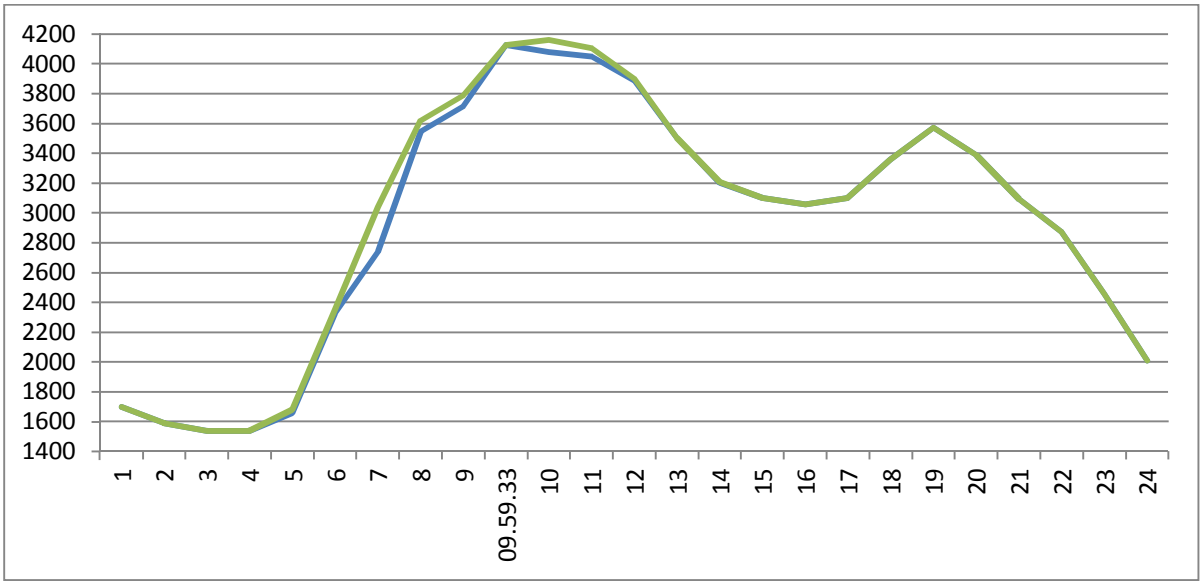
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1701	0	1701
2	1590	0	1590
3	1537	0	1537
4	1537	0	1537
5	1657	23	1680
6	2329	23	2352
7	2741	299	3040
8	3548	71	3619
9	3712	74	3786
09.59.33	4125		4125
10	4077	82	4159
11	4047	58	4105
12	3886	11	3897
13	3504	0	3504
14	3203	5	3208
15	3102	0	3102
16	3058	0	3058
17	3102	0	3102
18	3356	0	3356
19	3574	0	3574
20	3386	0	3386
21	3091	0	3091
22	2874	0	2874
23	2458	0	2458
24	2012	0	2012
Total (IN MUS)	**68.595**	**0.588**	**69.183**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JANUARY 2016 – 22.01.2016 – 68.595Mus All figures in MW

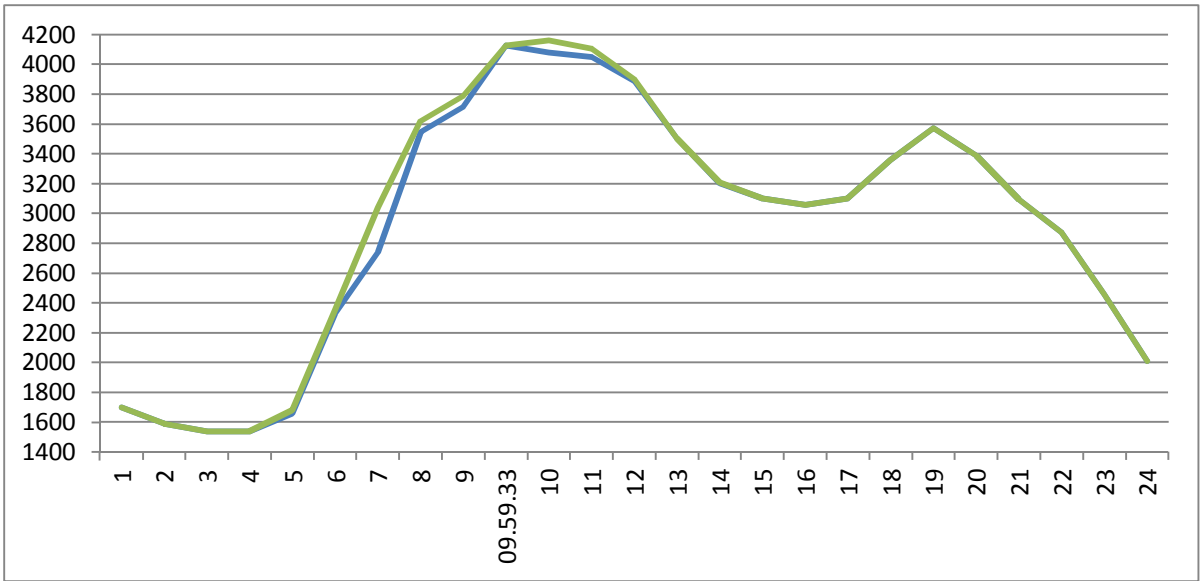
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1701	0	1701
2	1590	0	1590
3	1537	0	1537
4	1537	0	1537
5	1657	23	1680
6	2329	23	2352
7	2741	299	3040
8	3548	71	3619
9	3712	74	3786
09.59.33	4125		4125
10	4077	82	4159
11	4047	58	4105
12	3886	11	3897
13	3504	0	3504
14	3203	5	3208
15	3102	0	3102
16	3058	0	3058
17	3102	0	3102
18	3356	0	3356
19	3574	0	3574
20	3386	0	3386
21	3091	0	3091
22	2874	0	2874
23	2458	0	2458
24	2012	0	2012
Total (IN MUS)	**68.595**	**0.588**	**69.183**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JANUARY 2016 – 22.01.2016 – 69.183 Mus

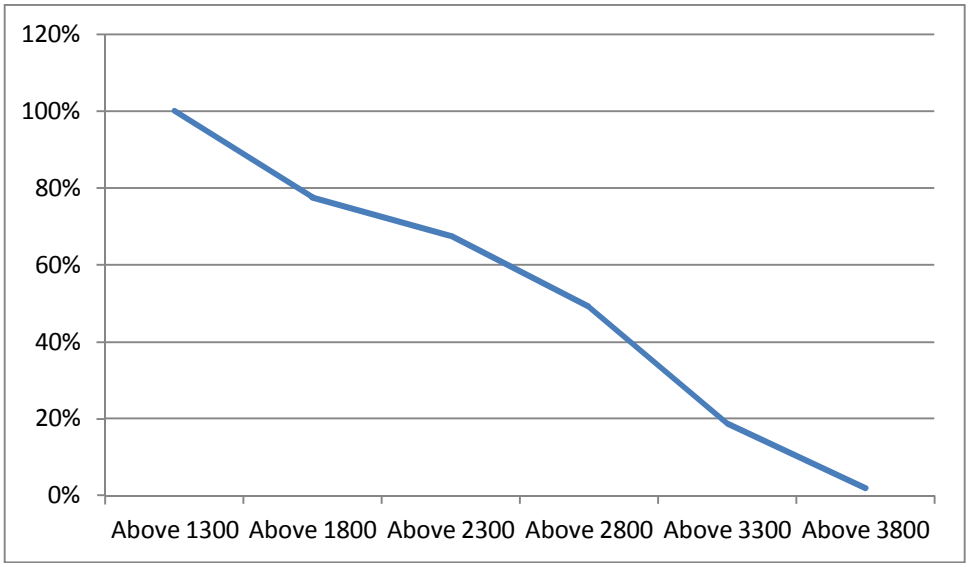
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1701	0	1701
2	1590	0	1590
3	1537	0	1537
4	1537	0	1537
5	1657	23	1680
6	2329	23	2352
7	2741	299	3040
8	3548	71	3619
9	3712	74	3786
09.59.33	4125		4125
10	4077	82	4159
11	4047	58	4105
12	3886	11	3897
13	3504	0	3504
14	3203	5	3208
15	3102	0	3102
16	3058	0	3058
17	3102	0	3102
18	3356	0	3356
19	3574	0	3574
20	3386	0	3386
21	3091	0	3091
22	2874	0	2874
23	2458	0	2458
24	2012	0	2012
Total (IN MUS)	**68.595**	**0.588**	**69.183**



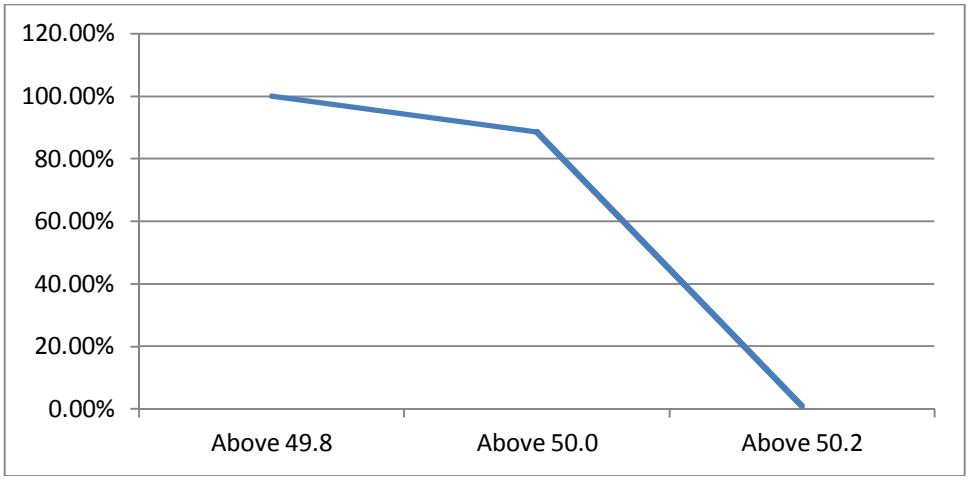
14 LOAD DURATION CURVE FOR JANUARY 2016

Load in MW	Percentage of Time
Above 1300	100%
Above 1800	77.59%
Above 2300	67.57%
Above 2800	49.03%
Above 3300	18.88%
Above 3800	2.05%



15 FREQUENCY ANALYSIS FOR THE MONTH OF JANUARY 2016

Frequency Range in Hz.	Percentage of time
Above 49.8	100.00%
Above 50.0	88.61%
Above 50.2	0.87%



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING JANUARY 2016

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Jan.16	231.11	215.24	233.69	218.47
02.Jan.16	232.78	217.57	234.33	220.27
03.Jan.16	232.40	217.82	234.33	220.15
04.Jan.16	232.78	215.37	234.72	217.82
05.Jan.16	232.40	213.70	234.46	218.34
06.Jan.16	232.14	213.31	234.72	217.82
07.Jan.16	233.17	215.24	236.65	216.92
08.Jan.16	234.98	--	237.04	208.57
09.Jan.16	233.69	233.69	235.36	219.50
10.Jan.16	233.69	223.76	234.07	217.95
11.Jan.16	233.30	218.98	234.33	218.21
12.Jan.16	232.66	217.05	234.72	217.95
13.Jan.16	233.04	216.66	234.72	218.21
14.Jan.16	232.66	218.60	233.95	--
15.Jan.16	232.66	216.02	233.95	--
16.Jan.16	234.07	218.60	235.11	222.08
17.Jan.16	233.43	219.50	234.07	--
18.Jan.16	233.30	--	234.59	220.15
19.Jan.16	232.66	217.82	233.17	219.11
20.Jan.16	233.69	218.34	233.95	217.82
21.Jan.16	233.95	217.82	234.33	218.21
22.Jan.16	238.97	218.60	234.07	--
23.Jan.16	233.43	220.27	233.95	217.95
24.Jan.16	233.69	219.76	234.07	220.79
25.Jan.16	233.69	216.41	233.82	219.11
26.Jan.16	233.82	--	233.69	221.05
27.Jan.16	234.33	216.41	234.59	218.86
28.Jan.16	233.95	217.95	234.33	220.92
29.Jan.16	232.78	217.05	234.33	220.15
30.Jan.16	233.17	218.47	234.46	220.40
31.Jan.16	233.69	218.98	234.46	222.21

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING JANUARY 2016

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jan.16	419.03	21.12.00	393.94	11.22	408.24
02.Jan.16	419.50	03.00.01	396.05	11.46	408.02
03.Jan.16	419.26	05.02.34	394.88	12.20	408.75
04.Jan.16	419.50	03.00.24	394.59	10.17	406.63
05.Jan.16	420.43	05.01.57	390.19	12.17	406.45
06.Jan.16	419.50	05.03.05	389.01	10.19	404.75
07.Jan.16	421.84	05.01.58	390.89	09.09	405.77
08.Jan.16	423.95	04.29.35	408.01	00.56	421.02
09.Jan.16	421.84	00.45.17	421.84	00.45	421.84
10.Jan.16	421.84	00.46.40	406.37	16.42	417.90
11.Jan.16	421.37	03.01.43	395.81	10.20	408.02
12.Jan.16	419.26	05.01.47	392.06	11.42	405.99
13.Jan.16	419.50	21.52.42	391.36	09.19	407.10
14.Jan.16	419.03	02.06.03	394.88	07.48	407.43
15.Jan.16	423.72	05.02.26	395.81	10.26	409.30
16.Jan.16	423.72	02.01.29	400.97	11.18	411.83
17.Jan.16	421.37	02.59.02	402.85	18.27	412.81
18.Jan.16	421.84	03.00.15	396.75	18.27	407.99
19.Jan.16	420.20	04.02.08	396.99	09.39	408.07
20.Jan.16	421.84	02.22.11	394.41	11.40	407.58
21.Jan.16	422.55	05.02.36	395.58	10.20	407.37
22.Jan.16	420.67	05.02.15	395.81	10.34	407.66
23.Jan.16	420.67	03.00.36	393.70	09.26	408.21
24.Jan.16	420.67	05.00.09	399.80	09.27	409.91
25.Jan.16	420.90	04.03.00	395.58	12.20	407.47
26.Jan.16	419.73	02.59.00	398.39	09.48	411.34
27.Jan.16	421.61	04.02.00	396.05	10.09	408.57
28.Jan.16	421.37	04.02.00	398.39	11.37	409.17
29.Jan.16	419.73	02.55.00	397.45	10.11	409.19
30.Jan.16	421.37	03.31.00	.99.10	09.35	410.59
31.Jan.16	422.08	05.02.00	401.68	09.42	413.71

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jan.16	427.94	21.13.19	403.32	12.17	417.44
02.Jan.16	427.70	02.59.05	407.30	11.43	417.24
03.Jan.16	427.23	02.32.23	405.43	12.20	417.82
04.Jan.16	427.47	03.00.45	401.91	12.12	415.85
05.Jan.16	427.23	02.59.44	400.27	12.18	415.37
06.Jan.16	426.77	04.01.41	400.50	10.19	413.95
07.Jan.16	427.94	05.00.12	401.91	12.11	414.46
08.Jan.16	428.41	04.07.29	420.67	00.00	425.96
09.Jan.16	426.30	00.45.17	426.30	00.45	426.30
10.Jan.16	426.30	00.46.40	413.04	15.54	423.39
11.Jan.16	427.70	02.36.54	406.60	12.09	417.79
12.Jan.16	426.06	0401.04	403.32	11.42	415.14
13.Jan.16	427.94	21.49.15	402.14	09.19	416.44
14.Jan.16	427.47	21.45.56	405.66	11.18	416.75
15.Jan.16	427.94	02.30.47	405.19	10.26	417.27
16.Jan.16	430.75	02.02.06	410.35	11.17	419.73
17.Jan.16	427.94	02.59.45	411.29	18.26	4230.11
18.Jan.16	427.94	03.00.14	406.13	18.28	416.25
19.Jan.16	425.59	04.02.34	407.54	12.44	415.51
20.Jan.16	428.41	02.23.53	405.43	11.37	416.24
21.Jan.16	428.64	02.59.51	406.13	11.11	416.17
22.Jan.16	427.23	04.04.00	405.66	18.38	416.38
23.Jan.16	427.70	03.00.29	406.37	09.25	417.00
24.Jan.16	427.70	04.20.18	408.71	10.13	417.01
25.Jan.16	426.77	02.53.00	404.02	12.28	415.32
26.Jan.16	427.94	03.00	407.54	09.48	419.24
27.Jan.16	428.64	06.03	405.19	11.36	416.52
28.Jan.16	427.70	04.02	406.83	11.36	417.62
29.Jan.16	427.23	02.56	406.83	12.19	417.40
30.Jan.16	428.64	03.31	408.01	10.20	418.51
31.Jan.16	428.88	21.44	411.06	09.41	421.74

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
1	**IP YARD**		30		**30**
1	Kamla Market			16.35	**16.35**
2	Minto Road				**0**
3	GB Pant Hosp			15.88	**15.88**
4	Delhi Gate			10.9	**10.9**
5	Tilakmarg			5.04	**5.04**
7	Cannaught Place			10.08	**10.08**
8	Kilokri		10.08	10.48	**20.56**
9	NDSE				**0**
11	Nizamuddin				**0**
12	Exhibition-I				**0**
13	Exhibition-II				**0**
14	Defence Colony				**0**
15	IG Stadium		10.08	5.45	**15.53**
16	Lajpat Nagar				**0**
17	IP Estate			10.9	**10.9**
	LT BYPL				**5.6**
		0	**50.16**	**85.08**	**140.84**
2	**Electric Lane**				
1	Electric Lane			5.04	**5.04**
2	Scindia House			5.04	**5.04**
3	Raisina Road			10.08	**10.08**
4	Raja Bazar			10.08	**10.08**
	LT NDMC				**12**
		0	**0**	**30.24**	**42.24**
3	**RPH Station**		20		**20**
1	Lahori Gate			10.49	**10.49**
2	Jama Masjid			10.48	**10.48**
4	Kamla Market				**0**
5	Minto Road			10.9	**10.9**
6	GB Pant Hosp				**0**
7	IG Stadium				**0**
	LT BYPL				**3**
		0	**20**	**31.87**	**54.87**
4	**Parkstreet S/stn**	20	20		**40**
1	Shastri Park		10.896	5.45	**16.346**
2	Faiz Road			18.05	**18.05**
3	Motia Khan			16.3	**16.3**
4	Prasad Nagar			16.25	**16.25**
5	Anand Parbat			10.8	**10.8**
6	Shankar Road			5.04	**5.04**
7	Rama Road			0	**0**
8	Baird Road			10.08	**10.08**
9	Hanuman Road			5.04	**5.04**
10	Pusa			5.44	**5.44**
11	Ridge Valley			0	**0**
12	B. D. Marg			0	**0**
13	Nirman Bhawan			5.04	**5.04**
	LT BYPL			0	**30.1**
		20.00	**30.90**	**97.49**	**178.486**
5	**Naraina S/stn**		20	5.04	**25.04**
1	DMS			10.85	**10.85**
2	Mayapuri		10.87	10.4	**21.27**
3	Inderpuri		10	4.8	**14.8**
4	Rewari line				**0**
5	Khyber Lane		10.05		**10.05**
6	Kirbi Place		10.05		**10.05**
7	Payal			7.2	**7.2**
8	Saraswati Garden			10.88	**10.88**
		0	**60.97**	**49.17**	**110.14**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
6	**Mehrauli S/stn**	80		5.04	**85.04**
1	Adchini			14.61	**14.61**
2	Andheria Bagh			10.85	**10.85**
3	IIT			10.9	**10.9**
4	JNU		10.03	10.03	**20.06**
5	Bijwasan			15.47	**15.47**
6	DC Saket			9.98	**9.98**
7	Malviya Nagar				**0**
8	C Dot			10.48	**10.48**
9	Vasant kunj B-Blk	21.79		10.9	**32.69**
10	Vasant kunj C-Blk	20.16		10.48	**30.64**
11	Palam				**0**
12	IGNOU			5.04	**5.04**
13	R. K. Puram-I			10.07	**10.07**
14	Vasant Vihar			19.25	**19.25**
15	Pusp Vihar			10.44	**10.44**
16	Bhikaji Cama Place		10.08	10.07	**20.15**
	LT BRPL				**25**
		121.95	**20.11**	**163.61**	**330.67**
7	**Vasantkunj S/stn**	40		5.04	**45.04**
1	R. K. Puram-II			10.08	**10.08**
2	Vasant kunj C-Blk				**0**
3	Vasant kunj D-Blk			9.63	**9.63**
4	Ridge Valley				**0**
	LT BRPL				**33.2**
		40	**0**	**24.75**	**97.95**
8	**Okhla S/stn**	60	10	5.04	**75.04**
1	Balaji			10.8	**10.8**
2	East of Kailash			15.89	**15.89**
3	Alaknanda			16.3	**16.3**
4	Malviya Nagar	21.79		10.85	**32.64**
5	Masjid Moth			16.3	**16.3**
6	Nehru Place			21.34	**21.34**
7	Okhla Ph-I	21.79		16.3	**38.09**
8	Okhla Ph-II		20.93	15.47	**36.4**
9	Shivalik			10.8	**10.8**
10	Batra			15.9	**15.9**
11	VSNL			10.9	**10.9**
12	Siri Fort			10.49	**10.49**
13	Tuglakabad			10.85	**10.85**
	LT BRPL				**59**
		103.58	**30.93**	**187.23**	**380.74**
9	**Lodhi Road S/stn**		20		**20**
1	Defence Colony		14.85		**14.85**
2	Hudco		10.9		**10.9**
3	Lajpat Nagar		10.9		**10.9**
4	Nizamuddin		10.44		**10.44**
5	Vidyut Bhawan				**0**
6	Ex. Gr. II				**0**
7	IHC				**0**
	LT BRPL				**42**
		0	**67.09**	**0**	**109.09**
10	**Sarita Vihar S/stn**	20		5.04	**25.04**
1	Sarita Vihar			10.07	**10.07**
2	MCIE			10.06	**10.06**
3	Mathura Road	20.16		11.69	**31.85**
4	Jamia Millia			10.89	**10.89**
5	Sarai Julena		10.08	16.29	**26.37**
6	Jasola			5.44	**5.44**
	LT BRPL				**23.6**
		40.16	**10.08**	**69.48**	**143.32**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
11	**Wazirabad**				
1	Bhagirathi		14.4	10.9	**25.3**
2	Ghonda	21.79	22.56	15.94	**60.29**
3	Seelam Pur		10.08	21.39	**31.47**
4	Dwarkapuri			15.46	**15.46**
5	Nandnagri	20.16		16.35	**36.51**
6	Yamuna Vihar			16.2	**16.2**
7	East of Loni Road			10.8	**10.8**
8	Shastri Park			10.9	**10.9**
9	Karawal Nagar			5.4	**5.4**
10	Sonia Vihar			7.2	**7.2**
	LT BYPL				**10**
		41.95	**47.04**	**130.54**	**229.53**
12	**Geeta Colony**				
1	Geeta Colony				**0**
2	Kanti Nagar			10.49	**10.49**
3	Kailash Nagar			10.9	**10.9**
4	Seelam Pur			15.48	**15.48**
5	Shakar Pur				**0**
	LT BYPL				**5.8**
		0	**0**	**36.87**	**42.67**
13	**Gazipur S/stn**	40		5.04	**45.04**
1	Dallupura	28.8		10.9	**39.7**
2	Vivek Vihar			9.57	**9.57**
3	GT Road			10.85	**10.85**
4	Kondli	20.16		10.85	**31.01**
5	MVR-I			10.9	**10.9**
6	MVR-II	20.16		10.9	**31.06**
7	PPG Ind. Area			10.06	**10.06**
	LT BYPL				**20.6**
		109.12	**0**	**79.07**	**208.79**
14	**Patparganj S/stn**	40	20	5.04	**65.04**
1	GH-I	19.89		10.45	**30.34**
2	GH-II	20.09		10.9	**30.99**
3	CBD		10.03	15.48	**25.51**
4	Guru Angad Nagar			15.49	**15.49**
5	Karkadooma		10.8	10.44	**21.24**
6	Preet Vihar			10.07	**10.07**
7	CBD-II			10.8	**10.8**
8	Shakarpur			10.8	**10.8**
9	Jhilmil			10.8	**10.8**
10	Dilshad Garden	20.16		16.35	**36.51**
11	Khichripur	21.79		10.49	**32.28**
12	Mother Dairy				**0**
13	Scope Building				**0**
14	Vivek Vihar				**0**
15	Akhardham			14.6	**14.6**
	LT BYPL				**23.3**
		121.93	**40.83**	**151.71**	**337.77**
15	**Najafgarh S/stn**	60		5.04	**65.04**
1	A4 Paschim Vihar			10.8	**10.8**
2	Nangloi	21.73		15.84	**37.57**
3	Nangloi W/W	20.89		10.85	**31.74**
4	Pankha Road			15.88	**15.88**
5	Jaffarpur			15.43	**15.43**
7	Inst. Area Janakpuri			17.6	**17.6**
8	Paschimpuri		10.05	15.47	**25.52**
9	Paschim Vihar	41.83		15.43	**57.26**
10	Mukherjee Park			20.83	**20.83**
11	Udyog Nagar			10.43	**10.43**
12	Choukhandi			10.07	**10.07**
	LT BRPL				**27**
		144.45	**10.05**	**163.67**	**345.17**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
16	**Pappankalan-I S/stn**	20		5.04	**25.04**
1	Bindapur Grid G-3 PPK	21.73		15.85	**37.58**
2	Bodella-I	20.1		16.24	**36.34**
3	Bodella-II	21.73		17.64	**39.37**
4	DC Janakpuri			10.03	**10.03**
5	G-2 PPK			10.8	**10.8**
6	G-5 PPK			15.51	**15.51**
7	G-6 PPK			5.4	**5.4**
8	G-15 PPK			10.8	**10.8**
9	Harinagar	21.18		16.25	**37.43**
10	Rewari line			5.44	**5.44**
	LT BRPL				**13.5**
		104.74	**0**	**129**	**247.24**
17	**BBMB Rohtak Road**				
1	S.B. Mill			10.07	**10.07**
2	Rama Road			10.88	**10.88**
3	Ram Pura			10.48	**10.48**
4	Rohtak Road			8.04	**8.04**
5	Vishal			10.4	**10.4**
6	Tri Nagar			5.44	**5.44**
7	Madipur			10.43	**10.43**
8	Sudershan Park			10.08	**10.08**
9	Kirti Nagar			5.44	**5.44**
		0	**0**	**81.26**	**81.26**
18	**Shalimarbagh S/stn**		40	6	**46**
1	S.G.T. Nagar			5.44	**5.44**
2	Wazirpur-1			17.18	**17.18**
3	Wazirpur-2			11.39	**11.39**
4	Ashok Vihar			5.44	**5.44**
5	Rani Bagh			10.88	**10.88**
6	Haiderpur			11.39	**11.39**
7	SMB FC			5.44	**5.44**
8	SMB KHOSLA			5.44	**5.44**
	LT TPDDL				**30**
		0	**40**	**78.6**	**148.6**
19	**Subzimandi S/stn**			6	**6**
1	Shakti Nagar			5.94	**5.94**
2	Gulabibagh			10.88	**10.88**
3	Shahzadabagh			13.68	**13.68**
4	DU			5.44	**5.44**
5	Tripolia			10.88	**10.88**
	B. G. Road			5.4	**5.4**
	LT BYPL				**0.9**
	LT TPDDL				**20**
		0	**0**	**58.22**	**79.12**
20	**Narela S/stn**	40		5.04	**45.04**
1	A-7 Narela			10.88	**10.88**
2	AIR Kham pur			6	**6**
3	Ashok vihar			10.48	**10.48**
4	Azad Pur			5.44	**5.44**
5	Tri Nagar			5.44	**5.44**
6	Badli	20		5.95	**25.95**
7	DSIDC Narela-1			5.95	**5.95**
8	GTK			5.44	**5.44**
9	Jahangirpuri	20	10	0	**30**
10	Bhalswa			3.6	**3.6**
	LT TPDDL				**10**
		80	**10**	**64.22**	**164.22**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
21	**Gopalpur S/stn**		30	5.04	**35.04**
1	Azad Pur			10.88	**10.88**
2	Hudson Lane			5.44	**5.44**
3	Wazirabad			2.4	**2.4**
4	Indra Vihar			5.44	**5.44**
6	GTK Road			5.94	**5.94**
7	Jahangirpuri		10	5.95	**15.95**
8	Civil lines			5.44	**5.44**
9	Pitam Pura-1			5.44	**5.44**
10	Pitam Pura-3			5.44	**5.44**
11	Air Khampur			5.95	**5.95**
12	SGT Nagar			5.95	**5.95**
13	Tiggipur			10.88	**10.88**
	LT TPDDL				**29**
		0	**40**	**80.19**	**149.19**
22	**Rohini S/stn**	40		6	**46**
1	Rohini Sec-22			10.88	**10.88**
2	Rohini Sec-23	20		5.44	**25.44**
3	Rohini Sec-24			5.44	**5.44**
4	Rohini-1			5.44	**5.44**
5	Rohini-3			5.95	**5.95**
6	Rohini-4			11.39	**11.39**
7	Rohini-5			11.39	**11.39**
8	Rohini-6			5.95	**5.95**
9	Mangolpuri-1			16.83	**16.83**
10	Mangolpuri-2	20		5.94	**25.94**
11	Pitam Pura-1	20		5.04	**25.04**
12	Pitam Pura-2			10.48	**10.48**
13	Rohini DC-1			14.4	**14.4**
	LT TPDDL				**30**
		100	**0**	**120.57**	**250.57**
23	**Kanjhawala S/stn**	20		5.04	**25.04**
1	Bawana Clear Water			10.88	**10.88**
2	Pooth Khoord			5.44	**5.44**
		20	**0**	**21.36**	**41.36**
24	**BAWANA S/stn**				
1	Bawana S/stn No. 6			10.88	**10.88**
2	Bawana S/stn No. 7				**0**
		0	**0**	**10.88**	**10.88**
25	**Kashmeregate S/stn**			5.04	**5.04**
1	Civil lines			5.44	**5.44**
2	Town Hall			8.64	**8.64**
3	Fountain			5.45	**5.45**
	LT BYPL				**2.7**
		0	**0**	**24.57**	**27.27**
26	**Pappankalan-II**				
1	DMRC-I				**0**
2	DMRC-II				**0**
27	**Trauma Center (AIIMS)**				
1	AIIMS		13.26	5.04	**18.3**
2	Trauma Center			10.08	**10.08**
3	Netaji Nagar			15.12	**15.12**
4	Sanjay Camp			10.08	**10.08**
5	Kidwai Nagar			5.04	**5.04**
6	SJ Airport			5.04	**5.04**
	Race Course			5.04	**5.04**
		0	**13.26**	**55.44**	**68.7**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
28	**MUNDKA**				
	Rohini-2			11.39	**11.39**
	LT BRPL				**18.5**
		0	**0**	**11.39**	**29.89**
29	**DSIDC BAWANA**				
	DSIDC NRL-1	20			**20**
	DSIDC NRL-2			10.88	**10.88**
		20	**0**	**10.88**	**30.88**
30	**RIDGE VALLEY**				
	Keventry Diary			10.08	**10.08**
	Nehru Park			5.04	**5.04**
	Bapu Dham			10.08	**10.08**
		0	**0**	**25.2**	**25.2**
31	**IP EXTN (PRAGATI)**				
	Vidyut Bhawan			10.08	**10.08**
	Dalhousie Road			5.04	**5.04**
	School Lane			5.04	**5.04**
	LT NDMC				**12.29**
		0	**0**	**20.16**	**32.45**
	TOTAL CAPACITY	**1067.9**	**491.4**	**2092.7**	**4139**

Utility	HT	LT	Total
BYPL	**864**	**102**	**966**
TPDDL	**657**	**119**	**776**
NDMC	**180**	**24**	**204**
DTL	**754**	**0**	**754**
BRPL	**1158**	**242**	**1400**
RPH	**20**	**0**	**20**
MES	**20**	**0**	**20**
TOTAL	**3652**	**487**	**4139**

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF JANUARY 2016

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	17.4.15	18:42	220kV Maharani Bagh- Electric Lane Ckt-II	contd.		AT MAHARANI BAGH CKT TRIPPED ON FAULT LOOP B TO E. AT ELECTRIC LANE CKT TRIPPED ON D/P,Z-1,C-PH,186,LBB, BUS BAR PROTECTION. CABLE DAMAGED DURING EXCAVATION BY MTNL.
2	5.11.15	03:10	220kV DIAL- MEHRAULI CKT-I	2.1.16	21:59	AT MEHRAULI CKT TRIPPED ON B-PH,D/P,Z-1,DIST-6.141KM. AT DIAL CKT TRIPPED ON D/P,Z-1.
3	2.1.16	06:50	PAPPANKALAN-I 66/11kV, 20MVA Tx-I	2.1.16	10:20	Transformer tripped on Buchholz relay
4	2.1.16	12:40	220KV GAZIPUR - MAHARANIBAGH CKT. -I	1.1.16	12:45	CKT. TRIPPED WITHOUT INDICATION
5	3.1.16	05:30	220kV BAWANA - KANJHAWALA CKT	3.1.16	13:30	AT BAWANA CKT. TRIPPED ON AUTO RECLOSE LOCK OUT, DIST PROT, DIST 2.52KM AT KHANJAWALA CKT. TRIPPED ON DIST PROT, ZONE-II, RYB PHASE
6	3.1.16	05:30	220kV BAWANA - KANJHAWALA CKT-2	3.1.16	13:30	AT BAWANA CKT. TRIPPED ON DIST PROT, DIST 11.26KM AT KHANJAWALA SUPPLY FAILED
7	4.1.16	08:51	NARELA 220/66kV 100MVA Tx-I	4.1.16	09:15	220KV I/C-I TRIPPED ON E/F, ALONGWITH TR. -I 66KV I/C-I TRIPPED ON E/F
8	4.1.16	08:51	NARELA 66KV BHALSWA CKT-I	4.1.16	18:43	CKT. TRIPPED ON E/F, B PHASE ISOLAOTR FLASH
9	4.1.16	08:51	NARELA 220/66kV 100MVA Tx-II	4.1.16	09:10	66KV I/C TRIPPED ON E/F
10	4.1.16	08:51	NARELA 220/66kV 100MVA Tx-III	4.1.16	09:10	66KV I/C TRIPPED ON E/F
11	4.1.16	11:30	NARELA 66KV BHALSWA CKT-II	4.1.16	11:43	TRIPPED ON VT FUSE FAILURE
12	4.1.16	15:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	4.1.16	15:55	WHILE ARRANGING S/D OF 33KV BAY NO-24 ALONG WITH 33KV EAST BUS-1 33KV I/C-2 TRIPPED ON O/C,86 LOCK OUT. TRIPPING OF I/C-2 OCCURRED DUE TO FALL OF METAL WIRE.
13	4.1.16	15:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	4.1.16	15:55	WHILE ARRANGING S/D OF 33KV BAY NO-24 ALONG WITH 33KV EAST BUS-1 33KV I/C-1 TRIPPED ON O/C,86 LOCK OUT. TRIPPING OF I/C-1 OCCURRED DUE TO FALL OF METAL WIRE.
14	5.1.16	03:45	SARITA VIHAR 220/66kV 100MVA Tx-II	5.1.16	07:10	TR. TRIPPED ON OVER FLUX
15	5.1.16	20:01	220kV MAHARANIBAGH - TRAUMA CENTER CKT-II	contd.		AT MAHARANI BAGH CKT. TRIPPED ON L2-E, DIST 9.9KM AT TRAUMA CENTER CKT. TRIPPED ON ZONE-I, ABC PHASE, TRIP, 86A
16	5.1.16	20:01	220kV MAHARANIBAGH- TRAUMA CENTER CKT-I	6.1.16	11:08	AT MAHARANI BAGH CKT. TRIPPED ON L2-E, DIST 9.9KM AT TRAUMA CENTER CKT. TRIPPED ON ZONE-I, ABC PHASE, TRIP 86A
17	7.1.16	03:16	SARITA VIHAR 220/66kV 100MVA Tx-III	7.1.16	06:12	TR. TRIPPED ON OVER FLUX
18	7.1.16	08:38	LODHI RD 33/11kV, 20MVA Tx-I	8.1.16	13:02	TR. TRIPPED ON DIFFERENTIAL
19	7.1.16	20:30	DSIIDC Bawana 220/66kV 100MVA Tx-II	8.1.16	13:30	TR. TRIPPED ON DIFFERENTIAL, 87, 75B, OVER FLUX RELAY OPERATED

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
20	8.1.16	01:04	220kV BAWANA - KANJHAWALA CKT	8.1.16	11:35	AT BAWANA TRIPPED ON ZONE-I, ABC PHASE, DIST 7.4KM AT KHANJAWALA TRIPPED ON MAIN -II, RYB PHASE, ZONE-I, DIST 8.1KM
21	8.1.16	01:30	220kV WAZIRABAD-GEETA COLONY CKT-II	8.1.16	01:45	AT WAZIRABAD TRIPPED ON GENERAL TRIP, RYB PHASE, B PHSE, 86, ZONE-I, DIST 3KM AT GEETA COLONY TRIPPED ON O/C, E/F, ZONE-I, DIST .828KM
22	8.1.16	01:52	220kV BAWANA - KANJHAWALA CKT-2	8.1.16	10:57	AT BAWANA DIST PROT, GROUP-I AT KHANJAWALA NO TRIPPING
23	8.1.16	01:53	220kV BAMNAULI-NARAINA CKT-I	8.1.16	02:25	AT BAWANA TRIPPED ON D/P, ZONE-I, C PHASE, POLE DISCRIPANCY AT NARAINA, TRIPPED ON 86C, DIST PROT, A PHASE
24	8.1.16	01:53	220kV MAHARANIBAGH-TRAUMA CENTER CKT-I	8.1.16	12:20	AT MAHARANI BAGH TRIPPED ON E/F AT TRAUMA CENTER TRIPPED ON O/C
25	8.1.16	02:37	220kV BAMNAULI - DIAL CKT-II	8.1.16	03:35	AT BAMNAULI TRIPPED ON ZONE-I, A PHASE, 86 AAND B, DIST 3.6KM AT DIAL TRIPPED ON R PHASE, GENERAL , PROT TRIP
26	8.1.16	02:37	220kV BAMNAULI-NARAINA CKT-II	8.1.16	03:13	AT BAMNAULI TRIPPED ON C PHASE, ZONE-I, DIST PROT, DIST 9.795KM, 186AB, POLE DISCRIPANCY AT NARAINA SUPPLY FAIL
27	8.1.16	03:48	220kV BAWANA-DSIIDC BAWANA CKT-II	8.1.16	08:22	AT BAWANA ZONE-I, GROUP-I, 21X, R-I, R-2 AT DSIDC BAWANA DIST PROT, ZONE-I, C PHASE, DIST 1.188KM
28	8.1.16	04:16	220kV BAWANA-DSIIDC BAWANA CKT-I	8.1.16	10:45	AT BAWANA ZONE-I, GROUP-I, DIST 2.6KM AT DSIDC 21, DIST PROT, 86
29	8.1.16	04:31	220kV SARITA VIHAR - BTPS CKT.-II	8.1.16	18:05	AT BTPS ZONE-I, R PHASE, DIST 1.0KM AT SARITA VIHAR ZONE-I, A PHASE, DIST 1.867KM, 186 A&B
30	8.1.16	04:32	220kV PRAGATI - SARITA VIHAR CKT-II	8.1.16	04:51	AT PRAGATI DIST PROT, 186 AT SARITA VIHAR NO TRIPPING
31	8.1.16	04:41	220kV NARELA - MANDOLA CKT-II	8.1.16	13:06	AT MANDOLA RY PHASE, ZONE-II, DIST 19.46KM AT NARELA R PHASE ,ZONE-I, DIST 0.208KM
32	8.1.16	04:43	220kV GOPALPUR-MANDOLACKT-II	8.1.16	18:15	AT MANDOLA RYB PHASE, E/F, ZONE-I, DIST 7.88KM AT GOPALPUR RYB PHASE, ZONE-I, DIST 8.5KM
33	8.1.16	04:51	220kV BAMNAULI - DIAL CKT-I	9.1.16	12:36	AT BAMNAULI ZONE-I, C PHASE, DIST 3.0KM, 186 A&B AT DIAL ZONE-I, B PHASE
34	8.1.16	05:02	220kV NARELA - MANDOLA CKT-I	8.1.16	13:06	AT MANDOLA R PHASE, ZONE-II, DIST 23.42KM AT NARELA SUPPLY FAIL
35	8.1.16	05:19	220kV MUNDKA-KANJHAWALA CKT-I	8.1.16	18:15	AT MUNDKA POLE DISCREPANCY, DIST PROT, ZONE-I, Y PHASE, DIST 13KM, 86 AT KHANJAWALA GENERAL TRIP, RYB PHASE, ZONE-I, MAIN-I, RYB PHASE, MAIN -II, RYB
36	8.1.16	05:19	220kV KANJHAWALA-NAJAFGARH CKT	8.1.16	10:29	AT KHANJAWALA DIST PROT, DIST 9.9KM, MAIN-I, RYB, MAIN -II, RYB AT NAJAFGARH NO TRIPPING
37	8.1.16	05:28	220KVBAWANA- ROHINI CKT-I	8.1.16	11:46	AT BAWANA AUTO RECLOSE LOCKOUT, ZONE-I, R PHASE, DIST 4.81KM, 186 A&B AT ROHINI SUPPLY FAIL

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
38	8.1.16	05:28	220KVBAWANA- ROHINI CKT-II	8.1.16	09:09	AT BAWANA AUTO RECLOSE LOCKOUT, ZONE-I, B PHASE, DIST 5.122KM, 186 A&B AT ROHINI SUPPLY FAIL
39	8.1.16	06:03	220kV GOPALPUR-MANDOLACKT-I	8.1.16	15:58	AT MANDOLA RYB PHASE, ZONE-I, DIST 8.04KM AT GOPALPUR RYB PHASE, ZONE-I, DIST 0KM
40	8.1.16	06:27	NARELA 220/66kV 100MVA Tx-III	8.1.16	15:49	TR. TRIPPED ON DIFFERENTIAL
41	8.1.16	06:44	220KV WAZIRABAD - MANDOLA CKT-II	8.1.16	17:42	AT MANDOLA RYB PHASE, ZONE-I, DIST 6.97KM AT WAZIRABAD RYB PHASE, ZONE-I, DIST 4.94KM
42	8.1.16	06:50	220 KV GOPALPUR-WAZIRABAD CKT-2	8.1.16	18:11	AT WAZIRABAD Y PHASE TRIPPED, ZONE-I, DIST 2.106KM AT GOPALPUR NO TRIPPING
43	8.1.16	09:20	220kV GAZIPUR - BTPS CKT	8.1.16	17:07	AT BTPS R PHASE, DIST PRO, DIST 1.0KM AT GAZIPUR NO TRIPPING
44	8.1.16	10:38	220kV BAMNAULI-NAJAFGARH CKT-I	8.1.16	10:48	AT NAJAFGARH CKT. TRIPPED CVT AVAILABLE
45	8.1.16	10:38	220kV BAMNAULI-NAJAFGARH CKT-II	8.1.16	10:48	AT NAJAFGARH CKT. TRIPPED CVT AVAILABLE
46	9.1.16	03:18	NARAINA 220/33kV 100MVA Tx-I	9.1.16	07:45	TR. TRIPPED ON O/C, E/F GAS PRESSURE LOW
47	9.1.16	04:18	NARAINA 220/33kV 100MVA Tx-II	9.1.16	04:26	I/C TRIPPED ON O/C, R&B PHASE
48	9.1.16	15:09	SARITA VIHAR 220/66kV 100MVA Tx-III	9.1.16	23:35	TR. TRIPPED ON OVERFLUX
49	12.1.16	03:45	SARITA VIHAR 220/66kV 100MVA Tx-III	12.1.16	07:07	TR. TRIPPED ON OVER FLUX
50	14.1.16	11:55	MEHRAULI 220/66kV 160MVA Tx-I	14.1.16	13:55	TR. TRIPPED ON DIFFERENTIAL PROT, RYB PHASE, I/C TRIPPED WITHOUT INDICATION
51	15.1.16	02:45	220kV BAMNAULI - DIAL CKT-II	15.1.16	06:03	AT DIAL R PHASE, DIFFERENTIAL PROT, AT BAMNAULI A PHASE, ZONE-I, 186 A&, DIST 3.2KM
52	15.1.16	03:50	220kV DIAL- MEHRAULI CKT-I	15.1.16	06:45	AT MEHRAULI, B PHASE, ACTIVE GROUP, C-N PHSAE, ZONE-I, DIST. 4.5KM AT AT DIAL DIFFERENTIAL RYB PHASE TRIPPED
53	15.1.16	03:50	MEHRAULI 220/66kV 100MVA Tx-III	15.1.16	09:25	I/C TRIPPED ON E/F
54	15.1.16	03:50	MEHRAULI 220/66kV 160MVA Tx-I	15.1.16	09:30	I/C TRIPPED ON E/F, O/C
55	15.1.16	03:50	MEHRAULI 220/66kV 100MVA Tx-I	15.1.16	04:18	I/C TRIPPED ON E/F, O/C
56	15.1.16	03:57	DSIIDC Bawana 220/66kV 160MVA Tx-I	15.1.16	04:40	TR. TRIPPED ON DIFFERENTIAL , ABC, 86
57	15.1.16	04:01	220kV BAWANA - KANJHAWALA CKT-2	15.1.16	06:22	AT KHANJAWALA TRIPPED ON ZONE-I, RYB PHASE, AT BAWANA DIST PROT, ZONE-I, DIST 2.8KM, AUTO RECLOSE LOCK OUT
58	15.1.16	05:01	220KV GAZIPUR - MAHARANIBAGH CKT. -I	15.1.16	05:20	AT MAHARANI BAGH TRIPPED ON MAIN PROT-I, R PHASE, TRIP, ZONE-II
59	15.1.16	05:01	220KV GAZIPUR - MAHARANIBAGH CKT. -II	15.1.16	05:20	AT MAHARANI BAGH TRIPPED ON MAIN PROT-I, R PHASE, TRIP, ZONE-II
60	15.1.16	05:01	PATPARGANJ 220/33kV 100MVA Tx-III	15.1.16	05:20	TR. TRIPPED ON 95, RYB PHASE

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
61	15.1.16	05:01	PATPARGANJ 220/33kV 100MVA Tx-I	15.1.16	05:20	TR. TRIPPED ON 86
62	15.1.16	05:25	220kV MUNDKA-KANJHAWALA CKT-I	15.1.16	05:59	AT KHANJAWALA TRIPPED ON ZONE-I, MAIN -I, RYB PHASE
63	15.1.16	05:25	220kV KANJHAWALA-NAJAFGARH CKT	15.1.16	06:15	AT KHANJAWALA TRIPPED ON ZONE-I, DIST 9.9KM, MAIN -I, RYB PHASE MAIN -II, RYB PHASE
64	15.1.16	05:53	220 KV PATPARGANJ - I.P. CKT-II	15.1.16	08:40	AT I.P. CKT. TRIPPED ON 186, 86, ZONE ABC, AT PATPARGANJ TRIPPED ON 186, 186, ACTIVE GROUP-I, ZONE-I, DIST 1.89KM
65	15.1.16	06:25	220kV BAWANA - KANJHAWALA CKT-2	15.1.16	11:39	AT KHANJAWLA TRIPPED ON MAIN-I, RYB PHSE, ZONE-I, DIST PROT, AT BAWANA TRIPPED ON ZONE-I, DIST 2.44KM
66	15.1.16	06:27	DSIIDC Bawana 220/66kV 160MVA Tx-I	15.1.16	17:50	TR TRIPPED ON 86 A&B, DIFFERENTIAL RELAY
67	15.1.16	06:28	220kV DSIIDC BAWANA-NARELA CKT-II	15.1.16	11:02	AT BAWANA CKT. TRIPPED ON DIST RELAY DIST 1.36KM, AUTO RECLOSE, ZONE- & II
68	15.1.16	06:42	220kV KANJHAWALA-NAJAFGARH CKT	15.1.16	08:28	AT KHANJAWALA CKT. TRIPPED ON DIST PROT, DIST 8.4KM
69	15.1.16	06:42	220kV MUNDKA-KANJHAWALA CKT-I	15.1.16	08:28	AT KHANJAWALA CKT. TRIPPED ON ZONE-I, MAIN-I, RYB PHASE
70	15.1.16	06:55	220KVBAWANA- ROHINI CKT-II	15.1.16	07:10	AT BAWANA CKT. TRIPPED ON B PHASE, ZONE-I, DIST 1.85KM, AUTO RECLOSE, 186 A&B, E/F AT ROHINI -II, CKT. TRIPPED ON ZONE-I, ZONE-II, SOTF, AT ROHINI SUPPLY FAIL
71	15.1.16	07:06	220kV MEHRAULI - BTPS CKT. - I	15.1.16	21:20	AT MEHRAULI TRIPPED ON ACTIVE GROUP-I, AN PHASE, ZONE-I, 4.19KM, CONDUCTOR BROKEN AT BTPS R PHSE, ZONE-II, DIST. 15.6KM
72	16.1.16	05:10	SARITA VIHAR 220/66kV 100MVA Tx-I	16.1.16	10:55	TRIPPED ON 30A, BUCH, 30G, 86, 86
73	16.1.16	23:57	400kV Mundka-Jhatikara Ckt-II	17.1.16	01:04	AT MUNDKA CKT. TRIPPED ON ZONE-II, DIST PROT, B PHASE
74	18.1.16	00:43	NARAINA 220/33kV 100MVA Tx-I	18.1.16	01:10	TR. TRIPPED ON 86B, 51N
75	18.1.16	03:46	220kV WAZIRABAD-GEETA COLONY CKT-I	18.1.16	04:00	AT WAZIRABAD CKT. TRIPPED AT RYB PHASE, B PHASE, ZONE-I, DIST 4.3KM AT GEETA COLONY TRIPPED AT ACTIVE GROUP-I, TRIPPED PHASE ABC, ZONE-I, DIST 65.3MTS.
76	18.1.16	03:46	220kV WAZIRABAD-GEETA COLONY CKT-II	18.1.16	03:58	AT WAZIRABAD TRIPPED ON RYB PHSE, ZONE-I, DIST 5KM, RY PHASE AT GEETA COLONY TRIPPED ON 86, SOTF, ACTIVE GROUP -I
77	18.1.16	07:36	DSIIDC Bawana 220/66kV 160MVA Tx-I	18.1.16	15:35	TR. TRIPPED ON ABC PHSE, DIFFERENTIAL 86
78	18.1.16	07:36	220kV DSIIDC BAWANA-NARELA CKT-II	18.1.16	16:48	AT NARELA CKT TRIPPED ON ZONE-I, 1.37KM AT DSIDC BAWANA NO TRIPPING
79	18.1.16	08:38	220kV NARELA - MANDOLA CKT-I	18.1.16	11:58	AT NARELA CKT. TRIPPED ON E/F
80	18.1.16	09:07	NARELA 66/33kV, 30MVA Tx	18.1.16	14:57	I/C TRIPPED ON E/F
81	19.1.16	00:49	220 KV PATPARGANJ - I.P. CKT-II	19.1.16	01:12	I.P. : 86, 186, DIST PROT, ZONE-I, ABC Phase, PATPARGANJ : 186, 186, DISP PROT, TRIP ABC

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
82	19.1.16	01:24	KANJHAWALA 220/66kV 100MVA Tx-I	19.1.16	01:39	TR. TRIPPED ON E/F
83	19.1.16	01:24	KANJHAWALA 220/66kV 100MVA Tx-II	19.1.16	01:39	TR. TRIPPED ON E/F
84	19.1.16	01:26	220kV BAWANA-DSIIDC BAWANA CKT-II	19.1.16	10:27	AT BAWANA DIST PROT, AUTO RECLOSE, AG-FAULT, CB TROUBLE ALARM AT DSIDC BAWANA DIST PROT, A PHASE, MAIN I&II, DIST 3.1KM
85	19.1.16	01:26	220 KV PATPARGANJ - I.P. CKT-II	19.1.16	15:40	AT I.P. CKT. TRIPPED ON 86, 86 AT PATPARGANJ CKT. TRIPED ON 186, 186, TRIP ABC, 86X
86	19.1.16	01:28	220 KV PATPARGANJ - I.P. CKT-I	19.1.16	01:35	I.P : 86, 186, ZONE-I, ABC PHASE, DIST. 1.78KM PATPARGANJ 86X, DIST PROT, C PHASE
87	19.1.16	01:31	220kV KANJHAWALA-NAJAFGARH CKT	19.1.16	19:01	AT KHANJAWALA R PHASE, ZONE-I, DIST 12.13KM, AT NAJAFGARH CKT. ALREADY OFF.
88	19.1.16	01:53	220kV BAWANA-DSIIDC BAWANA CKT-I	19.1.16	01:58	AT BAWANA DIST PROT, ZONE-I, DIST 2.33KM AT DSIDC BAWANA DIST PROT, DIST 2.02KM, A PHASE, MAIN-I&II
89	19.1.16	02:05	220KVBAWANA- ROHINI CKT-II	19.1.16	07:27	AT BAWANA AUTO RECLOSE LOCK OUT, DIST PROT, ZONE-I, Y PHASE, DIST 2.07KM AT ROHINI-II, ZONE-I&II, SOTF, Y PHASE, POLE DISCRIPENCY
90	19.1.16	02:05	BAWANA 400/220kV 315MVA ICT-III	19.1.16	02:49	ICT TRIPPED ON 86B, GROUP-I, FUSE FAIL, 197, O/C, TRIPPED ON INTER TRIP, B PHASE
91	19.1.16	02:10	220kV MUNDKA-KANJHAWALA CKT-I	19.1.16	07:54	AT MUNDKA DIST PORT, ZONE-I, Y PHASE, AT KHANJAWALA NO TRIPPING
92	19.1.16	02:16	220kV GOPALPUR-MANDOLACKT-I	19.1.16	14:20	AT GOPALPUR DIST PROT, ZONE-I, DIST 10.3KM, RYB PHASE, AT MANDOLA E/F, DIST PROT, Y PHASE -G
93	19.1.16	02:17	220kV GOPALPUR-MANDOLACKT-II	19.1.16	19:35	AT GOPALPUR, DIST PORT, ZONE-I, DIST 10.3KM, RYB PHASE AT MANDOLA E/F, DIST POR, Y PHASE-G
94	19.1.16	02:56	220kV BAMNAULI - DIAL CKT-II	19.1.16	06:38	AT DIAL R PHASE TRIP AT BAMNAULI DIST PROT, ZONE-I, A PHASE DIST 3.1KM, 186 A&B
95	19.1.16	03:15	220 KV PATPARGANJ - I.P. CKT-I	19.1.16	03:32	AT I.P. DIST PROT, ZONE-I, DIST 1.83KM, ABC PHASE AT PATPARGANJ DIST PROT, ZONE-I, DIST 1.98KM, C PHASE, 186
96	19.1.16	04:58	220KV WAZIRABAD - MANDOLA CKT-IV	19.1.16	16:31	AT WAZIRABAD DIST PROT, ZONE-I, DIST 7.48KM AT MANDOLA DIST PROT, DIST 7.7KM, B-N PHASE
97	19.1.16	05:00	220KV WAZIRABAD - MANDOLA CKT-III	19.1.16	15:30	AT WAZIRABAD DIST PORT, ZONE-I, ABC PHASE AT MANDOLA B-N PHASE
98	19.1.16	05:34	220kV NARELA - MANDOLA CKT-II	19.1.16	06:12	AT NARELA DIST PORT, ZONE-I, R PHASE
99	19.1.16	06:58	DSIIDC Bawana 220/66kV 100MVA Tx-III	19.1.16	07:00	TR. TRIPPED ON O/C, E/F 86
100	19.1.16	18:01	GAZIPUR 220/66kV 160MVA Tx-I	20.1.16	13:37	TR. TRIPPED ON DIFFERENTIAL PROT ALONGIWH 186, I/C TRIPPED ON INTERTRIPPING

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
101	20.1.16	07:55	SUBZI MANDI 33/11kV, 16MVA Tx-I	20.1.16	09:04	TR. TRIPPED ON 87B, 86
102	20.1.16	13:51	GAZIPUR 220/66kV 160MVA Tx-I	20.1.16	19:55	TR. TRIPPED ON DIFFERENTIAL 86A, 95A, 86B, 95B
103	21.1.16	15:25	SARITA VIHAR 66/11kV, 20MVA Tx-I	21.1.16	19:05	TR. TRIPPED ON 30B, WINDING TEMP
104	22.1.16	01:27	220kV DSIIDC BAWANA-NARELA CKT-II	22.1.16	11:40	AT NARELA CKT. OFF AT DSIDC BAWANA DIST PORT, ZONE-I, B PHASE DIST 1.345KM
105	22.1.16	03:16	220KV WAZIRABAD - MANDOLA CKT-III	22.1.16	19:28	AT WAZIRABAD DIST PROT, ZONE-I
106	22.1.16	04:06	220KVBAWANA- ROHINI CKT-I	22.1.16	10:45	AT BAWANA DIST PROT, ZONE-I, B PHASE, DIST 4.8KM AT ROHINI SUPPLY FAIL
107	22.1.16	04:14	220KVBAWANA- ROHINI CKT-II	22.1.16	19:09	AT BAWANA DIST PROT, ZONE-I, B PHASE, DIST 4.346KM, AT ROHINI SUPPLY FAIL AT ROHINI -II, DIST PROT, ZONE-II, R PHASE, GENERAL TRIP, FUSE FAIL
108	22.1.16	04:25	220kV NARELA - MANDOLA CKT-II	22.1.16	12:26	AT NARELA DIST POR,T ZONE-I, R PHASE, DIST. 6.69KM, 186
109	22.1.16	04:29	220kV BAWANA-DSIIDC BAWANA CKT-I	22.1.16	10:19	AT BAWANA DIST PROT, ZONE-I, AUTO RECLOSE, AT DSIDC BAWANA DIST PORT, DIST 1.222KM, B PHASE
110	22.1.16	04:31	220kV NARELA - MANDOLA CKT-I	22.1.16	12:26	AT NARELA SUPPLY FAIL AT MANDOLA CKT. TRIPPED
111	22.1.16	04:31	220kV BAWANA-DSIIDC BAWANA CKT-I	22.1.16	11:39	AT NARELA CKT. OFF AT DSIDC BAWANA DIST PROT, ZONE-I, DIST 4.908KM
112	22.1.16	04:48	220kV GOPALPUR-MANDOLACKT-I	22.1.16	06:55	AT GOPALPUR DIST PROT, ZONE-I, DIST 14.9KM
113	22.1.16	04:54	220kV GOPALPUR-MANDOLACKT-II	22.1.16	18:43	AT GOPALPUR DIST PRO, ZONE-I, DIST 3.1KM, RYB PHASE
114	22.1.16	04:55	NARELA 220/66kV 100MVA Tx-II	22.1.16	07:19	TRIPPED WITHOUT INDICATION
115	22.1.16	05:05	220kV BAWANA-DSIIDC BAWANA CKT-II	22.1.16	05:28	AT BAWANA DIST PROT, ZONE-I, DIST 1.22KM AT DSIDC BAWANA DIST PROT, ZONE-I, DIST 3.98KM, B PHASE
116	22.1.16	05:32	220kV BAWANA - KANJHAWALA CKT	22.1.16	09:58	AT BAWANA DIST PROT, ZONE-I AT KHANJAWALA DIST PROT, ZONE-I, RYB PHASE, DIST 8.4KM
117	22.1.16	05:32	220kV BAWANA-DSIIDC BAWANA CKT-II	22.1.16	09:58	AT BAWANA DIST PROT, ZONE-I, DIST 1.22KM AT DSIDC BAWANA DIST PROT, ZONE-I, DIST 0.75KM
118	22.1.16	06:23	DSIIDC Bawana 220/66kV 100MVA Tx-II	22.1.16	14:42	TR. TRIPPED ON BUCHHOLZ
119	22.1.16	06:26	220 KV GOPALPUR-WAZIRABAD CKT	22.1.16	16:17	AT WAZIRABAD DIST PROT, ZONE-I, II, III, DIST 3.141KM
120	22.1.16	06:31	220KV WAZIRABAD - MANDOLA CKT-II	22.1.16	15:24	AT WAZIRABAD DIST PROT, ZONE-I, II, III, DIST 10.29KM
121	22.1.16	06:31	220KV WAZIRABAD - MANDOLA CKT-I	22.1.16	16:37	AT WAZIRABAD DIST PROT, ZONEI, II & III, DIST 6.496KM, B PHASE
122	22.1.16	06:50	220KV GAZIPUR - MAHARANIBAGH CKT. -II	22.1.16	07:10	AT MAHARANI BAGH DIST PORT, ZONE-II, DIST 10.2KM AT GAZIPUR DIST PROT, Y PHASE, ZONE-III, DIST 2.09KM, AUTO RECLOSE
123	22.1.16	09:10	INDRAPRASTHA POWER 33kV IG STADIUM CKT-I (BAY-29)	22.1.16	10:45	TRIPPED ON E/F

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
124	22.1.16	14:55	SARITA VIHAR 220/66kV 100MVA Tx-II	22.1.16	16:20	I/C TRIPPED ON 86, 51N, E/F
125	23.1.16	07:35	220kV MEHRAULI - BTPS CKT. - I	23.1.16	13:50	AT MEHRAULI CKT. TRIPPED ON ZONE-I, DIST PROT, DIST 9.278KM AT BTPS ZONE-I, R PHASE, DIST 13KM
126	24.1.16	04:26	220 KV GOPALPUR-WAZIRABAD CKT-2	24.1.16	09:51	AT WAZIRABAD DIST PROT, ZONE-I, DIST 499.3MTS, Y PHASE AT GOPALPUR CKT .AT NO LOAD
127	24.1.16	04:35	220 KV PATPARGANJ - I.P. CKT-II	24.1.16	17:23	AT I.P., 86, 186, DIST PROT, AT PATPARGANJ 186, 186, 86, DIST 1.889KM, TRIP ABC
128	24.1.16	05:47	220 KV PATPARGANJ - I.P. CKT-I	24.1.16	09:33	AT I.P. 86, 186, ZONE-I ABC PHASE AT PATPARGANJ 86X, DIST 1.945KM, B PHASE, ABC PHASE
129	24.1.16	05:48	PRAGATI 220/66kV 160MVA Tx-II	24.1.16	06:04	66KV I/C TRIPPED WITHOUT INDICATION AT G.T.
130	24.1.16	05:56	220KV WAZIRABAD - MANDOLA CKT-I	24.1.16	15:24	AT WAZIRABAD DIST PROT, ZONE-I, ABC PHASE, DIST 6.8KM AT MANDOLA RYB PHASE
131	24.1.16	06:15	220kV KANJHAWALA-NAJAFGARH CKT	24.1.16	10:58	AT NAJAFGARH ZONE-II, 186, 86 AT KHANJAWALA R PHASE, ZONE-I, DIST PROT, DIST 10.22KM
132	24.1.16	06:15	220kV MUNDKA-KANJHAWALA CKT-I	24.1.16	10:54	AT KHANJAWALA MAIN-II, DIST PROT, ZONE-I AT MU;NDKA DIST PROT, ZONE-I
133	24.1.16	06:25	220kV BAWANA-DSIIDC BAWANA CKT-I	24.1.16	11:11	AT BAWANA DIST PROT, AUTO RECLOSE, B PHASE, DIST 0.96KM AT DSDIC BAWANA DIST PROT, A PHASE, MAIN-II, DIST 4.339KM
134	24.1.16	06:45	220kV GAZIPUR - BTPS CKT	24.1.16	14:24	AT BTPS ZONE-I, R PHASE, DIST 2.0KM, E/F AT GAZIPUR NO TRIPPING
135	24.1.16	07:56	220 KV GOPALPUR-WAZIRABAD CKT	24.1.16	09:52	AT WAZIRABAD E/F, DIST PROT, Y PHASE AT GOPALPUR NO TRIPPING
136	24.1.16	08:02	220KV WAZIRABAD - MANDOLA CKT-II	24.1.16	09:27	AT WAZIRABAD DIST PROT, ZONE-I, Y PHASE DIST 4.31KM, B-N PHASE AT MANDOLA DIST PROT.
137	24.1.16	08:02	WAZIRABAD 220/66kV 100MVA Tx-II	24.1.16	09:28	I/C -II TRIPPED ON O/C, R PHASE
138	24.1.16	08:02	WAZIRABAD 220/66kV 100MVA Tx-III	24.1.16	09:19	TR. TRIPPED ON 86, E/F & I/C TRIPPED ON 86
139	24.1.16	08:02	WAZIRABAD 220/66kV 100MVA Tx-I	24.1.16	09:19	TR. TRIPPED ON E/F, 86 & 66KV I/C TRIPPED ON 86
140	26.1.16	01:01	220kV NARELA - MANDOLA CKT-I	26.1.16	19:40	AT NARELA TRIPPED ON DIRECTION AL E/F, 186 AT MANDOLA Y -N PHASE, ZONE-III, DIST PROT,
141	26.1.16	12:25	NARELA 220/66kV 100MVA Tx-III	26.1.16	13:58	TR. TRIPPED DUE TO BROKEN R PHASE BUS-I INSULATOR AND ISOLATOR FALLEN ON MANDOLA CKT. -II
142	26.1.16	12:25	NARELA 220/66kV 100MVA Tx-II	26.1.16	12:50	TR. TRIPPED DUE TO BROKEN R PHASE BUS-I INSULATOR AND ISOLATOR FALLEN ON MANDOLA CKT. -II
143	26.1.16	12:25	NARELA 220/66kV 100MVA Tx-I	26.1.16	12:50	TR. TRIPPED DUE TO BROKEN R PHASE BUS-I INSULATOR AND ISOLATOR FALLEN ON MANDOLA CKT. -II

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
144	29.1.16	10:40	SUBZI MANDI 220/33kV 100MVA Tx-I	29.1.16	16:27	TR. TRIPPED ON DIFFERENTIAL RYB PHASE, 186, 86, 64 RHV, 33KV I/C ALSO TRIPED ON 95 ABC, 86
145	30.1.16	13:30	BAMNAULI 400/220kV 500MVA ICT-II	30.1.16	19:25	ICT TRIPPED ON 30S PRV RELAY

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF JANUARY 2016

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	MODE	LOAD RELIEF IN MW
		OUT	IN				
16.01.16	1	08.52	08.55	NAJAFGARH 220kV	11kV LOAD	Df/dt	15
	2	09.20	09.22	NAJAFGARH 220kV	11kV LOAD	Df/dt	12