DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

DECEMBER 2015

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	DEC. 2014	DEC 2015
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)**	**4271**	**4518**
	Date	26.12.2014	30.04.15
	Time	10.41.00	15.32.55
3	**Peak Demand met (MW)**	**4721**	**4517**
	Date	26.12.2014	30.04.15
	Time	10.41.00	15.32.55
4	Peak Availability (MW)	4864	4379
5	Shortage (-) / Surplus (+) in MW	(+) 143	(-) 138
6	Percentage Shortage (-) / Surplus (+)	(+) 3.03	(-) 3.06
7	Maximum Energy Consume in a day (Mus)	73.053	92.955
8	Energy Consumed during the month	**1919.578**	**2260.411**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.626	0.131
	BRPL	3.183	0.398
	BYPL	0.97	0.044
	NDMC	0.008	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**4.787**	**0.573**
B)	Due to Constraints in System in Mus		
	DTL	0.230	0.699
	NDPL	0.566	0.240
	BRPL	0.398	0.216
	BYPL	0.311	0.275
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.010	0.000
	Total	**1.515**	**1.430**
11	**Grand Total in Mus**	**6.302**	**2.003**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING DECEMBER 2015

A) For the month of December 2015

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.474	-0.474	80.15	72.357
2.	**GT**	26.989	1.292	25.697	90.33	150.496
3.	**PPCL**	109.922	2.612	107.310	104.70	142.437
4.	**BTPS**	129.102	11.806	117.296	97.49	336.324
5.	**Rithala**	0.000	0.062	-0.062	**89.17**	61.008
6.	**Bawana**	189.098	5.950	183.148	75.32	567.674
7.	**Towmcl**	11.107	1.611	9.496	--	--
	TOTAL	**466.218**	**23.807**	**442.411**	**--**	**1330.296**

B) For the Year 2013-14 (Upto December 2015)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Dec. 2015	Availability (%) for Dec 2015	PLF (%) for Dec 2015	Cumulative Generation in MUs upto Dec 2015 for the year 2015-16	Cumulative Availability in % upto Dec 2015 for the year 2015-16	Cumulative PLF in % upto Dec 2015 for the year 2015-16
RPH	135	-0.474	80.15	-1.05	34.667	74.75	3.98
GT	270	25.697	90.33	13.09	361.375	70.73	20.67
PPCL	330	107.310	104.70	44.89	1280.224	98.29	60.34
BTPS	705	117.296	97.49	25.45	1542.516	92.96	40.75
Rithala	108	-0.062	**89.17**	--	-0.550	**87.27**	**--**
Bawana	1372	183.148	75.32	18.86	1357.539	61.05	15.57
Towmcl	16	9.496	--	--	95.294	--	--
TOTAL	2936	**442.411**	**--**	**--**	**4671.065**	**--**	--

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

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	31.12.15	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	31.12.15	23.59	Machine tripped due to tripping of tr. And further Stopped due to low demand and high frequency

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	31.12.15	23.59	

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	31.12.15	23.59	

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	31.12.15	23.59	

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.

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	31.12.15	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	**30**	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
		3.11.15	02:01	3.11.15	02:55	Machine tripped due to heavy jerk as 11 KV feeder from GT to Sen Nursing Home nallah tripped.
		5.11.15	02:14	31.12.15	23:59	Machine stopped as per SLDC message

(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

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	31.12.15	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

(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	31.12.15	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	31.12.15	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	31.12.15	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	31.12.15	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

(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	31.12.15	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	31.12.15	23.59	Stopped due to low demand and high frequency

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	31.12.15	23.59	Stopped due to low demand and high frequency

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

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	Stopped due to low demand and high frequency
		29.09.15	00.55	30.09.15	07.53	
		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	31.12.15	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

(F) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	31.12.15	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	07.06.13	22:41	31.12.15	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	07.06.13	22:38	31.12.15	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 DECEMBER 2015

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	18.16.53	0	39	150	0	252	14	165	620	2570	2498	72	3190	0	3190
2	10.18.43	0	38	152	0	254	16	175	635	2590	2569	21	3225	3	3228
3	10.35.29	0	38	150	0	273	16	165	642	2584	2514	70	3226	0	3226
4	09.56.50	0	39	151	0	254	8	165	617	2691	2604	87	3308	0	3308
5	10.18.44	0	39	151	0	270	10	0	470	2637	2536	101	3107	0	3107
6	10.27.56	0	39	155	0	250	8	165	617	2585	2533	52	3202	0	3202
7	10.06.29	0	39	151	0	250	8	165	613	2626	2554	72	3239	0	3239
8	09.24.02	0	39	157	0	254	16	165	631	2619	246	2373	3250	0	3250
9	10.44.17	0	39	157	0	251	11	100	558	2724	2640	84	3282	0	3282
10	10.19.24	0	36	151	0	252	16	110	565	2674	2604	70	3239	0	3239
11	10.22.14	0	34	141	0	255	16	165	611	2785	2737	48	3396	0	3396
12	10.23.11	0	29	140	0	125	16	165	475	2794	2785	9	3269	0	3269
13	10.22.28	0	38	141	0	253	16	165	613	2690	2698	-8	3303	0	3303
14	10.02.35	0	0	142	0	253	14	165	574	2812	2711	101	3386	0	3386
15	10.01.38	0	39	141	0	252	13	165	610	2818	2717	101	3428	0	3428
16	10.22.41	0	0	141	0	253	13	165	572	2932	2887	45	3504	0	3504
17	10.05.54	0	38	142	0	34	14	165	393	3148	3069	79	3541	0	3541
18	10.24.52	0	38	140	0	253	13	165	609	3157	3012	145	3766	0	3766
19	10.00.48	0	34	139	0	252	14	165	604	2923	2806	117	3527	0	3527
20	10.30.46	0	32	138	0	252	9	165	596	2997	2889	108	3593	0	3593
21	10.04.47	0	31	142	0	255	14	165	607	3060	2901	159	3667	0	3667
22	10.01.58	0	32	141	0	253	15	165	606	3073	3035	38	3679	2	3681
23	10.02.52	0	33	141	0	254	11	175	614	3211	3062	149	3825	6	3831
24	10.38.13	0	37	143	0	253	10	166	609	3214	3210	4	3823	2	3825
25	10.31.30	0	37	141	0	254	13	165	610	3334	3239	95	3944	24	3968
26	10.01.05	0	36	144	0	251	12	167	610	3012	3030	-18	3622	2	3624
27	10.30.39	0	35	141	0	251	13	165	605	3013	3618	-605	3618	0	3618
28	10.04.50	0	35	141	0	251	13	165	605	3136	3055	81	3742	0	3742
29	09.51.36	0	34	140	0	253	7	163	597	3104	2970	134	3701	0	3701
30	10.28.33	0	34	141	0	253	8	166	602	3112	2997	115	3714	0	3714
31	10.00.37	0	33	140	0	250	7	165	595	3102	3155	-53	3697	0	3697

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING DECEMBER 2015

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	18.16.53	0	39	150	0	252	14	165	620	2570	2498	72	3190	0	3190
2	10.18.43	0	38	152	0	254	16	175	635	2590	2569	21	3225	3	3228
3	10.35.29	0	38	150	0	273	16	165	642	2584	2514	70	3226	0	3226
4	09.56.50	0	39	151	0	254	8	165	617	2691	2604	87	3308	0	3308
5	10.18.44	0	39	151	0	270	10	0	470	2637	2536	101	3107	0	3107
6	10.27.56	0	39	155	0	250	8	165	617	2585	2533	52	3202	0	3202
7	10.06.29	0	39	151	0	250	8	165	613	2626	2554	72	3239	0	3239
8	09.24.02	0	39	157	0	254	16	165	631	2619	246	2373	3250	0	3250
9	10.44.17	0	39	157	0	251	11	100	558	2724	2640	84	3282	0	3282
10	10.19.24	0	36	151	0	252	16	110	565	2674	2604	70	3239	0	3239
11	10.22.14	0	34	141	0	255	16	165	611	2785	2737	48	3396	0	3396
12	10.23.11	0	29	140	0	125	16	165	475	2794	2785	9	3269	0	3269
13	10.22.28	0	38	141	0	253	16	165	613	2690	2698	-8	3303	0	3303
14	10.02.35	0	0	142	0	253	14	165	574	2812	2711	101	3386	0	3386
15	10.01.38	0	39	141	0	252	13	165	610	2818	2717	101	3428	0	3428
16	10.22.41	0	0	141	0	253	13	165	572	2932	2887	45	3504	0	3504
17	10.05.54	0	38	142	0	34	14	165	393	3148	3069	79	3541	0	3541
18	10.24.52	0	38	140	0	253	13	165	609	3157	3012	145	3766	0	3766
19	10.00.48	0	34	139	0	252	14	165	604	2923	2806	117	3527	0	3527
20	10.30.46	0	32	138	0	252	9	165	596	2997	2889	108	3593	0	3593
21	10.04.47	0	31	142	0	255	14	165	607	3060	2901	159	3667	0	3667
22	10.01.58	0	32	141	0	253	15	165	606	3073	3035	38	3679	2	3681
23	10.02.52	0	33	141	0	254	11	175	614	3211	3062	149	3825	6	3831
24	10.38.13	0	37	143	0	253	10	166	609	3214	3210	4	3823	2	3825
25	10.31.30	0	37	141	0	254	13	165	610	3334	3239	95	3944	24	3968
26	10.01.05	0	36	144	0	251	12	167	610	3012	3030	-18	3622	2	3624
27	10.30.39	0	35	141	0	251	13	165	605	3013	3618	-605	3618	0	3618
28	10.04.50	0	35	141	0	251	13	165	605	3136	3055	81	3742	0	3742
29	09.51.36	0	34	140	0	253	7	163	597	3104	2970	134	3701	0	3701
30	10.28.33	0	34	141	0	253	8	166	602	3112	2997	115	3714	0	3714
31	10.00.37	0	33	140	0	250	7	165	595	3102	3155	-53	3697	0	3697

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR DECEMBER 2015

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

A (i) RPH	0.000
(ii) GT+STG	26.989
(iii) PRAGATI	109.989
(iv) RITHALA	0.000
(v) BAWANA CCGT	189.098
(vi) Timarpur ï Okhla	114.107
TOTAL	337.116
B) AVAILABILITY FROM BTPS	117.518
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	12.001
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**442.633**

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	1.757	1.700	1.299	1.257
SALAL	11.539	11.167	8.627	8.349
SASAN	283.317	274.082	290.061	280.585
TANKAPUR	1.551	1.501	1.156	1.119
CHAMERA	4.979	4.818	3.714	3.594
CHAMERA -II	5.334	5.161	3.959	3.831
CHAMERA -III	2.884	2.791	2.147	2.078
DHAULIGANGA	3.436	3.324	2.563	2.479
SEWA -2	1.507	1.458	1.125	1.088
URI	18.556	17.956	13.848	13.400
URI-II	13.804	13.358	13.801	13.355
KOLDAM	5.953	5.761	5.932	5.741
KOTESHWAR	8.003	7.739	8.003	7.739
PARBATI3	0.845	0.822	0.845	0.822
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	24.407	23.628	11.779	11.412
ANTA (RLNG)	8.027	7.751	0.048	0.046
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	43.501	42.097	20.303	19.648
DADRI (RLNG)	8.347	8.042	0.000	0.000
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	32.358	31.324	14.676	14.202
AURAIYA (RLNG)	20.812	20.120	0.238	0.230
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	96.588	93.474	91.051	88.117
RIHAND -I	64.115	62.034	55.606	53.819
RIHAND -II	90.237	87.308	80.092	77.489
RIHAND -III	92.783	89.776	83.357	80.658
UNCHAHAR-I	17.253	16.693	12.124	11.724
UNCHAHAR-II	33.614	32.523	25.301	24.469
UNCHAHAR-III	20.750	20.077	15.782	15.264
DADRI (TH)	482.004	466.076	190.963	184.646
DADRI (TH) STAGE-II	546.840	529.094	219.650	212.469
NAPP	18.787	18.169	18.790	18.171
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	39.622	38.335	39.622	38.335
NATHPA JHAKRI	22.801	22.071	16.985	16.441
DULASTI	13.151	12.726	13.163	12.738
TEHRI	13.719	13.267	13.719	13.267
JHAJJAR	0.000	0.000	0.000	0.000
KHELGAON	33.791	32.698	19.585	18.940
KHELGAON-II	107.929	104.433	80.552	77.935
FARAKA	13.983	13.534	7.493	7.251

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
TALA	3.147	3.048	3.142	3.043
TALCHER	0.000	0.000	0.000	0.000
DVC	154.119	152.069	152.069	147.143
UTTAR PRADESH	4.681	4.563	4.563	4.397
TRIPUA	2.135	2.104	2.104	2.026
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	202.596	199.888	199.888	193.346
DVC MEJIA (LT-08)(BYPL)	49.727	49.046	49.046	47.361
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.103	0.102	0.102	0.099
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
PUNJAB	9.091	8.953	8.953	8.627
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)	34.117	33.700	33.700	32.628
MAHARASHTRA	0.000	0.000	0.000	0.000
ORISSA	0.300	0.296	0.296	0.286
RAJASTHAN(SOLAR) BRPL-LT36	3.047	2.947	2.947	2.850
RAJASTHAN(SOLAR) BYPL - LT-35	3.253	3.146	3.146	3.043
RAJASTHAN(SOLAR) TPDDL LT-31	3.129	3.026	3.026	2.927
TO JAMMU & KASHMIR	-280.112	-284.414	-284.414	-293.967
TO KARNATAKA	-0.868	-0.892	-0.892	-0.929
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO TRIPURA	0.000	0.000	0.000	0.000
TO PUNJAB	0.000	0.000	0.000	0.000
TO CHATTISHGARH	-35.748	-36.454	-36.454	-37.678
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO KERALA	-37.200	-38.109	-38.109	-39.389
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	-76.804	-78.785	-78.785	-81.433
TO ORISSA	-71.935	-72.905	-72.905	-75.352
POWER EXCHANGE(IEX)	241.579	233.707	241.579	233.707
TO POWER EXCHANGE (IEX)	-19.131	-19.789	-19.131	-19.789
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-17.310	-17.891	-17.310	-17.891
TO SHARE PROJECT (PUNJAB)	-16.871	-17.441	-16.871	-17.441
TOTAL	**2363.927**	**2266.805**	**1527.649**	**1440.324**

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	1587.590	1535.780	826.902	799.935
NTPC - ER	155.703	150.665	107.630	104.126
NHPC	79.342	76.782	66.247	64.110
NPC	58.409	56.503	58.412	56.506
SASAN	283.317	274.082	290.061	280.585
KOTESHWAR	8.003	7.739	8.003	7.739
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	22.801	22.071	16.985	16.441
TEHRI	13.719	13.267	13.719	13.267
TALA	3.147	3.048	3.142	3.043
JHAJJAR	0.000	0.000	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.047	2.947	2.947	2.850
RAJASTHAN SOLAR(BYPL)T-35	3.253	3.146	3.146	3.043
RAJASTHAN SOLAR(TPDDL)T-31	3.129	3.026	3.026	2.927
DVC	154.119	152.069	152.069	147.143

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
UTTAR PRADESH	4.681	4.563	4.563	4.397
TRIPURA	2.135	2.104	2.104	2.026
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	202.596	199.888	199.888	193.346
DVC MEJIA (LT-08)(BYPL)	49.727	49.046	49.046	47.361
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.103	0.102	0.102	0.099
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
PUNJAB	9.091	8.953	8.953	8.627
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)	34.117	33.700	33.700	32.628
MAHARASHTRA	0.000	0.000	0.000	0.000
ORISSA	0.300	0.296	0.296	0.286
POWER EXCHANGE(IEX)	241.579	233.707	241.579	233.707
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2919.906**	**2833.484**	**2092.519**	**2024.192**

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	-280.112	-284.414	-284.414	-293.967
TO KARNATAKA	-0.868	-0.892	-0.892	-0.929
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO TRIPURA	0.000	0.000	0.000	0.000
TO CHATTISHGARH	-35.748	-36.454	-36.454	-37.678
TO PUNJAB	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO KERALA	-37.200	-38.109	-38.109	-39.389
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	-76.804	-78.785	-78.785	-81.433
TO ORISSA	-71.935	-72.905	-72.905	-75.352
TO POWER EXCHANGE (IEX)	-19.131	-19.789	-19.131	-19.789
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-17.310	-17.891	-17.310	-17.891
TO SHARE PROJECT (PUNJAB)	-16.871	-17.441	-16.871	-17.441
TOTAL	**-555.979**	**-566.679**	**-564.870**	**-583.868**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2363.927**	**2266.805**	**1527.649**	**1440.324**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		1913.478
NET CONSUMPTION		**1901.477**
AVAILABILITY WITHIN DELHI		442.633
ACTUAL DRAWAL FROM THE GRID		1458.844
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		18.520
LOAD SHEDDING		2.879
UNRESTRICTED DEMAND (GROSS)		1916.267
UNRESTRICTED DEMAND (NET)		1904.266
MAX. NET CONSUMPTION		66.428 ON 23.12.2015
MAX. LOAD SHEDDING		244MW ON 15.12.2015 AT 20.00HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	3944MW AT 10.31.30HRS ON 25.12.2015	24 MW
EVENING PEAK	3372MW AT 18.30HRS ON 23.12.2015	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	13.44%
	PRAGATI	44.77%
	RITHALA	0.00%
	BAWANA	18.54%
	Timarpur Okhla	93.30%

9 SHEDDING DETAILS DURING THE MONTH OF DECEMBER 2015.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		NDPL	NDMC	TOTAL	BSES		NDPL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
02.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.007	0.027	0.021	0.000	0.000
03.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.011	0.160	0.000	0.000	0.000
04.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
05.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.012	0.065	0.029	0.000	0.000
06.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
07.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.052	0.000	0.000	0.000
08.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.020	0.000	0.000	0.000
09.Dec.15	1	0.000	0.000	0.001	0.000	**0.001**	0.057	0.197	0.049	0.000	0.000
10.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
11.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.009	0.000	0.000
12.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.071	0.010	0.000	0.000
13.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.004	0.000	0.000	0.000
14.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
15.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.023	0.208	0.024	0.000	0.000
16.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.031	0.128	0.000	0.000	0.000
17.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.130	0.000	0.000	0.000
18.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.059	0.000	0.000	0.000
19.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
20.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.077	0.006	0.000	0.000
21.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.053	0.000	0.000	0.000
22.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.013	0.196	0.031	0.000	0.000
23.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.098	0.000	0.000	0.000
24.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.057	0.000	0.000	0.000
25.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
26.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
27.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
29.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.007	0.066	0.000	0.000	0.000
30.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
31.Dec.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**1**	**0.000**	**0.000**	**0.001**	**0.000**	**0.001**	**0.161**	**1.668**	**0.179**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		NDPL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
02.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.055**	**0.055**
03.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.171**	**0.171**
04.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
05.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.106**	**0.106**
06.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
07.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.052**	**0.052**
08.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.020**	**0.020**
09.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.303**	**0.304**
10.Dec.15	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.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
12.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.081**	**0.081**
13.Dec.15	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**
14.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
15.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.255**	**0.255**
16.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.159**	**0.159**
17.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.130**	**0.130**
18.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.059**	**0.059**
19.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
20.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.083**	**0.083**
21.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.053**	**0.053**
22.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.240**	**0.240**
23.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.098**	**0.098**
24.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.057**	**0.057**
25.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
26.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
27.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
28.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
29.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.073**	**0.073**
30.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
31.Dec.15	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**	**2.008**	**2.009**

ALL FIGURES IN MUs

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		NDPL	NDMC	MES	BSES		NDPL	NDMC
	BYPL	BRPL				BYPL	BRPL		
	26	27	28	29	30	31	32	33	34
01.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	0.000
02.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.003	0.000
03.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000	0.000
04.Dec.15	0.000	0.000	0.000	0.000	0.000	0.002	0.065	0.001	0.000
05.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.001	0.000
06.Dec.15	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000
07.Dec.15	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.001	0.000
08.Dec.15	0.000	0.000	0.001	0.000	0.000	0.002	0.009	0.001	0.000
09.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.005	0.000
10.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
12.Dec.15	0.008	0.005	0.001	0.000	0.000	0.006	0.000	0.000	0.000
13.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Dec.15	0.000	0.000	0.000	0.000	0.000	0.001	0.017	0.000	0.000
15.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
16.Dec.15	0.000	0.000	0.000	0.000	0.000	0.003	0.004	0.001	0.000
17.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000
19.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Dec.15	0.000	0.000	0.010	0.000	0.000	0.000	0.015	0.004	0.000
21.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.006	0.000
22.Dec.15	0.000	0.038	0.003	0.000	0.000	0.004	0.004	0.000	0.000
23.Dec.15	0.000	0.000	0.000	0.000	0.000	0.004	0.058	0.000	0.000
24.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000
25.Dec.15	0.000	0.000	0.004	0.000	0.000	0.000	0.004	0.001	0.000
26.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
27.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Dec.15	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
29.Dec.15	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.004	0.000
30.Dec.15	0.007	0.000	0.000	0.000	0.000	0.012	0.000	0.014	0.000
31.Dec.15	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
TOTAL	**0.023**	**0.043**	**0.041**	**0.000**	**0.000**	**0.044**	**0.316**	**0.043**	**0.000**

ALL FIGURES IN MUs

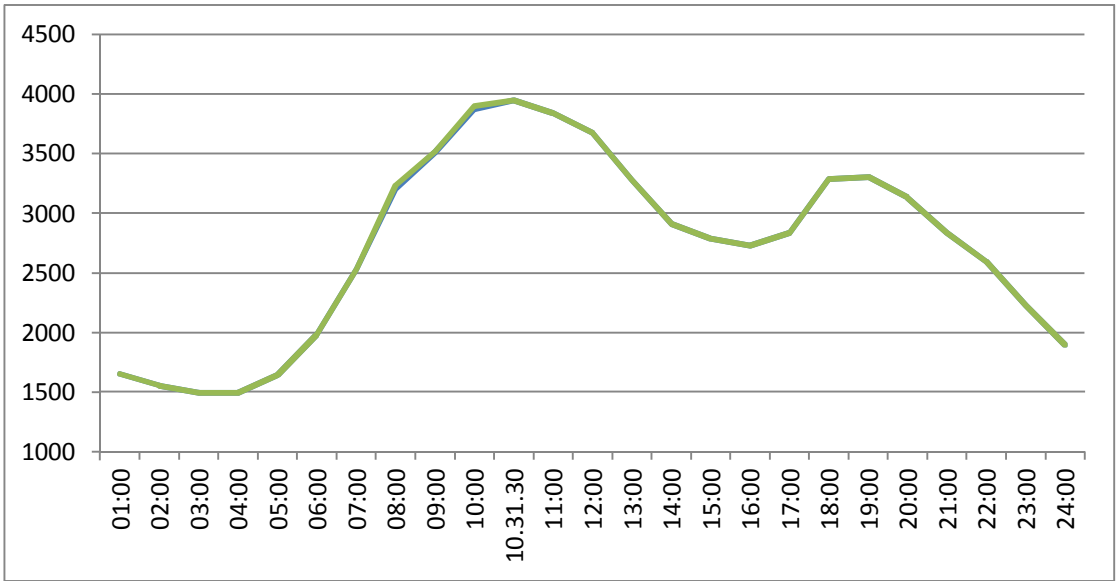
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.016**	**0.016**
02.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.022**	**0.077**
03.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.009	**0.032**	**0.203**
04.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.068**	**0.068**
05.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.011	**0.021**	**0.127**
06.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
07.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.006	**0.009**	**0.061**
08.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.017	**0.030**	**0.050**
09.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.019	**0.059**	**0.363**
10.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.003**	**0.003**
11.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.008	**0.013**	**0.022**
12.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.030**	**0.111**
13.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.004	**0.004**	**0.008**
14.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.028**	**0.028**
15.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.013	**0.020**	**0.275**
16.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.011**	**0.170**
17.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.010**	**0.140**
18.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.020	**0.035**	**0.094**
19.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
20.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.022	**0.051**	**0.134**
21.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.002	**0.015**	**0.068**
22.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.012	**0.061**	**0.301**
23.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.004	**0.066**	**0.164**
24.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.020**	**0.077**
25.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.046	**0.055**	**0.055**
26.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
27.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.001	**0.001**	**0.001**
28.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
29.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.009	**0.033**	**0.106**
30.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.011	**0.044**	**0.044**
31.Dec.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.270**	**0.780**	**2.789**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.Dec.15	**59.254**	**3190**	18:16:53	0	**3190**	**3190**	18:16:53	**3190**	0
02.Dec.15	**59.722**	**3225**	10:18:43	3	**3228**	**3228**	10:18:43	**3225**	3
03.Dec.15	**59.624**	**3226**	10:35:29	0	**3226**	**3226**	10:35:29	**3226**	0
04.Dec.15	**60.533**	**3310**	09:56:50	0	**3310**	**3310**	09:56:50	**3310**	0
05.Dec.15	**57.566**	**3107**	10:18:44	0	**3107**	**3107**	10:18:44	**3107**	0
06.Dec.15	**56.417**	**3202**	10:27:56	0	**3202**	**3202**	10:27:56	**3202**	0
07.Dec.15	**59.221**	**3239**	10:06:29	0	**3239**	**3239**	10:06:29	**3239**	0
08.Dec.15	**59.978**	**3250**	09:24:02	0	**3250**	**3250**	09:24:02	**3250**	0
09.Dec.15	**60.497**	**3282**	10:44:17	0	**3282**	**3282**	10:44:17	**3282**	0
10.Dec.15	**61.241**	**3259**	10:19:24	0	**3259**	**3259**	10:19:24	**3259**	0
11.Dec.15	**61.280**	**3396**	10:22:14	0	**3396**	**3396**	10:22:14	**3396**	0
12.Dec.15	**58.851**	**3269**	10:23:11	0	**3269**	**3269**	10:23:11	**3269**	0
13.Dec.15	**53.753**	**3303**	10:22:28	0	**3303**	**3303**	10:22:28	**3303**	0
14.Dec.15	**59.414**	**3386**	10:02:35	0	**3386**	**3386**	10:02:35	**3386**	0
15.Dec.15	**60.702**	**3428**	10:01:38	0	**3428**	**3428**	10:01:38	**3428**	0
16.Dec.15	**61.485**	**3504**	10:22:41	0	**3504**	**3504**	10:22:41	**3504**	0
17.Dec.15	**62.439**	**3541**	10:05:54	0	**3541**	**3541**	10:05:54	**3541**	0
18.Dec.15	**63.761**	**3766**	10:24:52	0	**3766**	**3766**	10:24:52	**3766**	0
19.Dec.15	**61.784**	**3527**	10:00:48	0	**3527**	**3527**	10:00:48	**3527**	0
20.Dec.15	**59.786**	**3593**	10:30:46	0	**3593**	**3593**	10:30:46	**3593**	0
21.Dec.15	**63.529**	**3667**	10:04:47	0	**3667**	**3667**	10:04:47	**3667**	0
22.Dec.15	**64.954**	**3679**	10:01:58	2	**3681**	**3681**	10:01:58	**3679**	2
23.Dec.15	**66.428**	**3825**	10:02:52	6	**3831**	**3831**	10:02:52	**3825**	6
24.Dec.15	**65.080**	**3823**	10:38:13	2	**3825**	**3825**	10:38:13	**3823**	2
25.Dec.15	**65.139**	**3944**	10:31:30	24	**3968**	**3968**	10:31:30	**3944**	24
26.Dec.15	**62.830**	**3622**	10:01:05	2	**3624**	**3624**	10:01:05	**3622**	2
27.Dec.15	**60.608**	**3618**	10:30:39	0	**3618**	**3618**	10:30:39	**3618**	0
28.Dec.15	**62.708**	**3741**	10:04:50	0	**3741**	**3741**	10:04:50	**3741**	0
29.Dec.15	**64.225**	**3701**	09:51:36	0	**3701**	**3701**	09:51:36	**3701**	0
30.Dec.15	**65.024**	**3714**	10:28:33	0	**3714**	**3714**	10:28:33	**3714**	0
31.Dec.15	**63.644**	**3697**	10:00:37	0	**3697**	**3697**	10:00:37	**3697**	0
TOTAL	**1901.477**	**3944** 25.12.15	10:31:30	24	**3968** 25.12.15	**3968**	18:33:33	**3944**	24

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING DECEMBER 2015 ON 25.12.2015- 3944MW AT 10.31.30HRS.

All figures in MW

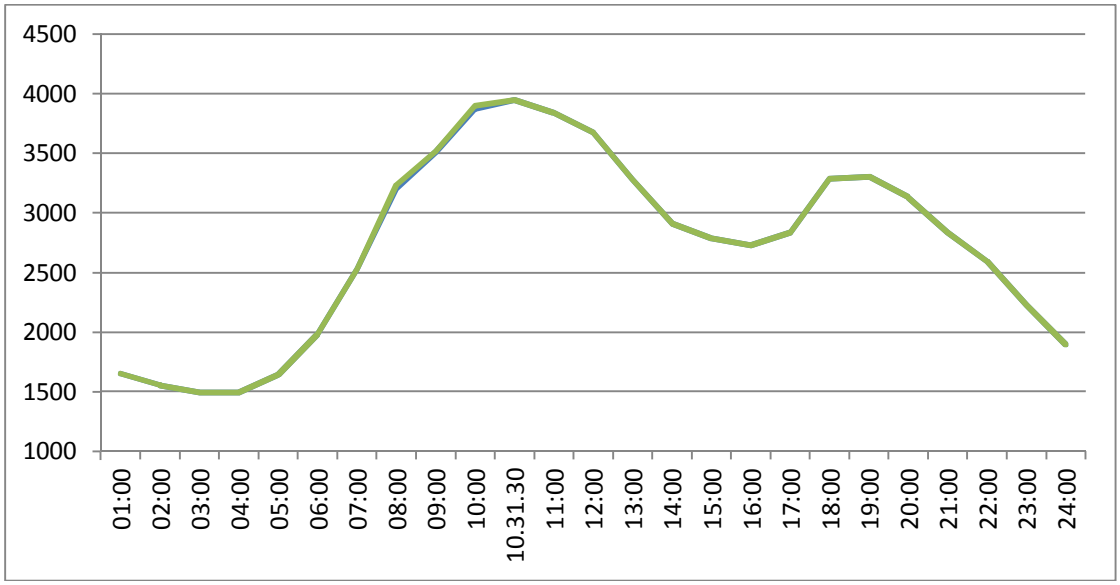
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01.00	1651	0	1651
02.00	1555	0	1555
03.00	1497	0	1497
04.00	1497	0	1497
05.00	1643	0	1643
06.00	1985	0	1985
07.00	2532	0	2532
08.00	3207	23	3230
09.00	3514	1	3515
10.00	3872	25	3897
10.31.30	3944	0	3944
11.00	3838	2	3840
12.00	3673	1	3674
13.00	3279	0	3279
14.00	2913	0	2913
15.00	2789	0	2789
16.00	2728	0	2728
17.00	2833	0	2833
18.00	3288	0	3288
19.00	3302	0	3302
20.00	3130	0	3130
21.00	2838	0	2838
22.00	2595	0	2595
23.00	2223	0	2223
24.00	1898	0	1898
Total (IN MUS)	**65.139**	**0.055**	**65.194**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING DECEMBER 2015 ON 25.12.2015- 3944MW AT 10.31.30HRS.

All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01.00	1651	0	1651
02.00	1555	0	1555
03.00	1497	0	1497
04.00	1497	0	1497
05.00	1643	0	1643
06.00	1985	0	1985
07.00	2532	0	2532
08.00	3207	23	3230
09.00	3514	1	3515
10.00	3872	25	3897
10.31.30	3944	0	3944
11.00	3838	2	3840
12.00	3673	1	3674
13.00	3279	0	3279
14.00	2913	0	2913
15.00	2789	0	2789
16.00	2728	0	2728
17.00	2833	0	2833
18.00	3288	0	3288
19.00	3302	0	3302
20.00	3130	0	3130
21.00	2838	0	2838
22.00	2595	0	2595
23.00	2223	0	2223
24.00	1898	0	1898
Total (IN MUS)	**65.139**	**0.055**	**65.194**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING DECEMBER 2015 – 23.12.2015 – 66.428Mus

All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	1625	0	1625
02:00	1552	0	1552
03:00	1508	0	1508
04:00	1525	0	1525
05:00	1710	0	1710
06:00	2374	0	2374
07:00	3162	8	3170
08:00	3414	9	3423
09:00	3550	6	3556
10:00	3765	6	3771
10.02.52	3825	6	3831
11:00	3685	9	3694
12:00	3514	10	3524
13:00	3231	5	3236
14:00	3019	21	3040
15:00	2923	49	2972
16:00	2874	20	2894
17:00	2975	0	2975
18:00	3313	0	3313
19:00	3323	0	3323
20:00	3189	0	3189
21:00	2921	0	2921
22:00	2657	0	2657
23:00	2250	0	2250
24:00	1878	0	1878
Total (IN MUS)	**66.428**	**0.164**	**66.592**

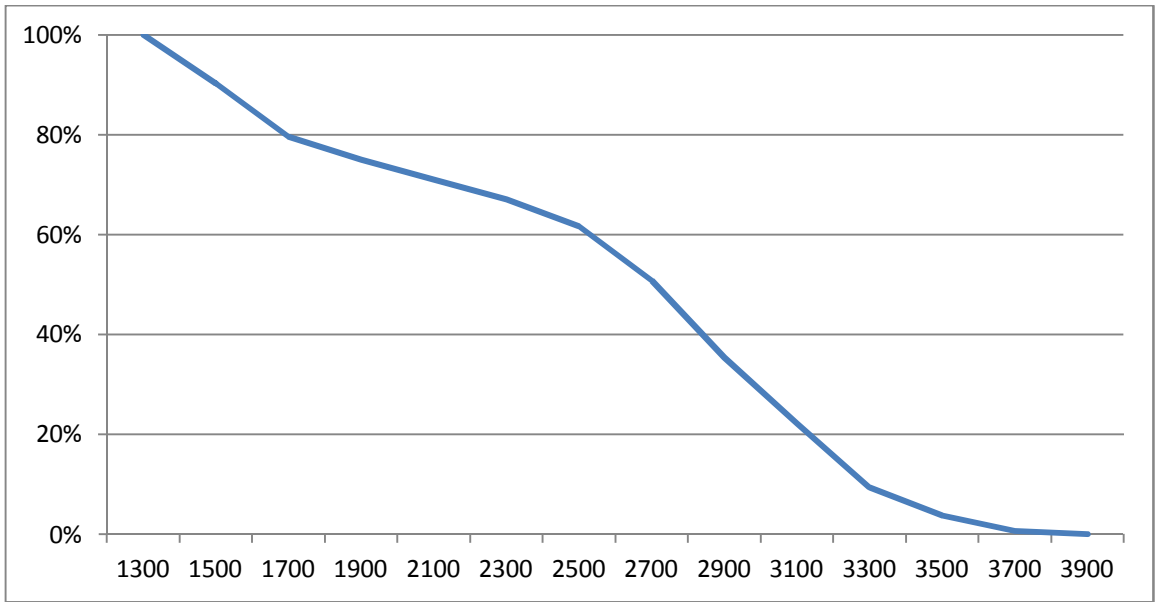
13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING DECEMBER 2015 – 23.12.2015 – 66.592 Mus

All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	1625	0	1625
02:00	1552	0	1552
03:00	1508	0	1508
04:00	1525	0	1525
05:00	1710	0	1710
06:00	2374	0	2374
07:00	3162	8	3170
08:00	3414	9	3423
09:00	3550	6	3556
10:00	3765	6	3771
10.02.52	3825	6	3831
11:00	3685	9	3694
12:00	3514	10	3524
13:00	3231	5	3236
14:00	3019	21	3040
15:00	2923	49	2972
16:00	2874	20	2894
17:00	2975	0	2975
18:00	3313	0	3313
19:00	3323	0	3323
20:00	3189	0	3189
21:00	2921	0	2921
22:00	2657	0	2657
23:00	2250	0	2250
24:00	1878	0	1878
Total (IN MUS)	**66.428**	**0.164**	**66.592**

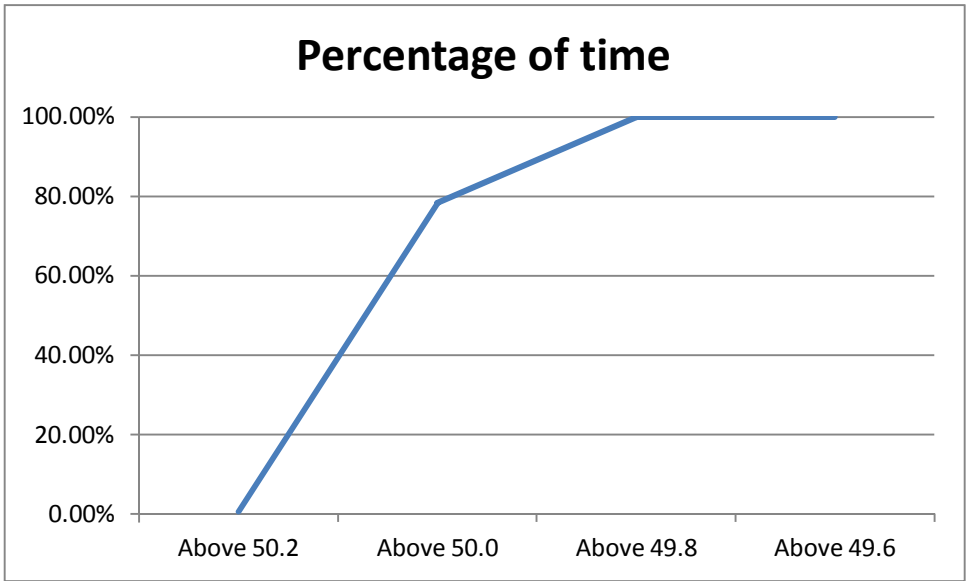
14 LOAD DURATION CURVE FOR DECEMBER 2015

Load in MW	Percentage of Time
1300	100%
1500	90.29%
1700	79.57%
1900	74.97%
2100	70.97%
2300	67.04%
2500	61.63%
2700	50.81%
2900	35.42%
3100	22.18%
3300	9.41%
3500	3.70%
3700	0.67%
3900	0.03%



15 FREQUENCY ANALYSIS FOR THE MONTH OF DECEMBER 2015

Frequency Range in Hz.	Percentage of time
50.2	0.54%
50	78.33%
49.8	99.97%
49.6	100.00%



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING DECEMBER 2015

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Dec.15	232.53	220.27	233.69	220.15
02.Dec.15	224.14	224.14	233.17	220.27
03.Dec.15	224.14	224.14	233.04	221.18
04.Dec.15	224.14	224.14	236.40	218.86
05.Dec.15	224.14	224.14	233.69	216.53
06.Dec.15	224.14	224.14	235.36	221.69
07.Dec.15	224.14	224.14	234.98	218.47
08.Dec.15	231.24	216.28	233.30	219.50
09.Dec.15	233.04	216.02	232.78	216.53
10.Dec.15	233.43	215.24	233.04	217.82
11.Dec.15	230.85	217.18	233.82	219.63
12.Dec.15	232.78	224.66	232.66	216.66
13.Dec.15	233.04	224.66	233.17	219.11
14.Dec.15	234.33	218.34	234.98	217.18
15.Dec.15	232.66	216.92	233.17	216.66
16.Dec.15	233.17	214.47	234.46	215.24
17.Dec.15	233.17	215.02	233.95	216.28
18.Dec.15	232.40	216.53	232.53	217.57
19.Dec.15	233.95	217.70	233.69	217.57
20.Dec.15	233.04	219.89	233.43	220.53
21.Dec.15	233.30	216.66	234.72	218.47
22.Dec.15	234.07	217.18	234.72	218.21
23.Dec.15	233.95	217.18	234.59	217.82
24.Dec.15	233.30	215.24	233.82	216.66
25.Dec.15	233.82	215.37	234.59	217.18
26.Dec.15	232.53	214.99	233.30	215.12
27.Dec.15	233.69	217.05	234.72	219.50
28.Dec.15	233.17	217.18	234.72	218.60
29.Dec.15	232.53	213.44	233.43	217.18
30.Dec.15	232.14	216.53	233.43	218.47
31.Dec.15	233.17	216.02	234.07	217.57

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING DECEMBER 2015

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Dec.15	422.08	05.02.26	406.37	09.13	411.65
02.Dec.15	423.25	03.02.59	408.48	09.18	411.33
03.Dec.15	423.25	04.00.03	409.18	11.12	412.75
04.Dec.15	426.77	04.00.46	405.66	10.13	411.56
05.Dec.15	423.25	02.35.09	400.97	11.24	409.25
06.Dec.15	424.89	03.01.22	409.65	11.22	415.12
07.Dec.15	426.30	04.02.36	405.19	11.10	411.48
08.Dec.15	423.25	04.01.39	407.54	09.30	410.84
09.Dec.15	422.78	04.01.53	402.85	09.24	410.17
10.Dec.15	423.72	03.00.12	405.43	17.52	410.56
11.Dec.15	424.19	20.54.57	408.01	11.41	410.86
12.Dec.15	424.19	02.00.47	414.54	06.39	411.06
13.Dec.15	423.72	05.02.31	414.57	00.07	408.69
14.Dec.15	421.84	21.52.28	404.25	16.25	405.71
15.Dec.15	423.01	04.03.39	402.14	10.14	409.15
16.Dec.15	425.59	05.01.52	399.57	11.41	409.79
17.Dec.15	424.19	05.04.24	401.91	11.11	409.03
18.Dec.15	420.90	04.32.16	403.79	11.17	409.47
19.Dec.15	423.72	02.02.19	404.25	11.41	409.68
20.Dec.15	425.36	20.53.24	408.71	11.48	412.98
21.Dec.15	425.36	03.01.25	402.14	11.40	411.35
22.Dec.15	426.53	05.02.18	404.02	11.19	411.45
23.Dec.15	424.42	04.02.51	404.49	14.42	409.74
24.Dec.15	423.25	03.00.36	401.91	11.07	410.53
25.Dec.15	425.12	02.58.00	402.61	10.17	410.36
26.Dec.15	423.01	04.02.00	402.14	10.18	410.37
27.Dec.15	425.59	04.01.00	406.60	11.22	414.36
28.Dec.15	425.36	05.01.00	405.43	11.37	411.95
29.Dec.15	423.25	02.01.00	400.74	11.22	410.87
30.Dec.15	423.95	21.32.00	405.19	11.34	409.90
31.Dec.15	424.19	05.02.00	404.02	11.21	411.21

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Dec.15	426.06	02.03.56	406.37	09.13	416.89
02.Dec.15	427.23	04.01.26	408.48	09.18	417.27
03.Dec.15	428.41	20.40.29	409.18	11.12	418.60
04.Dec.15	430.75	03.59.34	405.66	10.13	417.83
05.Dec.15	427.70	02.32.41	400.97	11.24	415.19
06.Dec.15	430.99	20.14.35	409.65	11.22	420.67
07.Dec.15	430.28	04.02.30	405.19	11.10	417.24
08.Dec.15	427.70	04.01.30	407.54	09.30	416.36
09.Dec.15	426.77	01.05.17	402.85	09.24	415.31
10.Dec.15	427.94	02.59.06	405.43	17.52	415.68
11.Dec.15	429.58	20.54.59	408.01	11.41	416.93
12.Dec.15	427.94	02.00.52	414.54	06.39	417.06
13.Dec.15	428.41	21.29.36	414.57	00.07	416.12
14.Dec.15	429.58	05.01.41	404.25	16.25	416.48
15.Dec.15	426.53	04.01.09	402.14	10.14	414.53
16.Dec.15	428.88	05.02.19	399.57	11.41	414.71
17.Dec.15	427.70	03.00.17	401.91	11.11	414.14
18.Dec.15	426.06	21.28.39	403.79	11.17	415.09
19.Dec.15	427.70	02.02.53	404.25	11.41	415.40
20.Dec.15	429.11	50.54.21	408.71	11.48	418.32
21.Dec.15	427.94	03.00.32	402.14	11.40	416.37
22.Dec.15	429.58	05.02.21	404.02	11.19	416.79
23.Dec.15	427.94	04.02.49	404.49	14.42	415.57
24.Dec.15	427.23	03.00.51	401.91	11.07	415.85
25.Dec.15	428.41	15.04.03	402.61	10.17	415.28
26.Dec.15	427.70	15.21.46	402.14	10.18	415.25
27.Dec.15	428.88	04.02	406.60	11.22	419.34
28.Dec.15	428.41	02.00	405.43	11.37	417.29
29.Dec.15	427.23	02.00	400.74	11.22	416.57
30.Dec.15	428.41	21.32	405.19	11.34	415.89
31.Dec.15	427.70	04.03	404.02	11.21	416.42

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 DECEMBER 2015

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.12.15	08:26	220kV GEETA COLONY-PATPARGANJ CKT -II	1.12.15	08:58	AT PPG CKT TRIPPED ON D/P,Z-1,DIST-1.52KM,186.
2	3.12.15	08:25	VASANT KUNJ 66/11kV, 20MVA Tx-I	3.12.15	12:40	TX TRIPPED ON 30D AND 11KV I/C-1 TRIPPED WITHOUT INDICATION.
3	5.12.15	12:45	220kV PRAGATI - PARK STREET CKT-I	5.12.15	18:23	CKT MADE OFF AS GAS PRESSURE WAS ZERO IN Y-PH CABLE.
4	5.12.15	13:33	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	5.12.15	21:30	TX TRIPPED WITHOUT INDICATION AND 66KV I/C-4 TRIPPED ON 86.
5	5.12.15	13:33	PAPPANKALAN-I 66/11kV, 20MVA Tx-III	5.12.15	21:30	TX TRIPPED ON DIFFERENTIAL,86.
6	5.12.15	14:34	220kV MAHARANI BAGH - LODHI ROAD CKT-I	6.12.15	07:52	AT MAHARANI BAGH CKT TRIPPED ON D/P,Z-1. R-PH LA DAMAGED AT MAHARANI BAGH. AT LODHI ROAD CKT TRIPPED ON 167NX,186A&B.
7	5.12.15	14:39	LODHI RD 220/33kV 100MVA Tx-II	5.12.15	14:45	33KV I/C-2 OF TX TRIPPED ON 86A&B.
8	7.12.15	05:56	220kV SARITA VIHAR - BTPS CKT.-II	7.12.15	09:09	AT BTPS CKT. TRIPPED ON ZONE-1, Y PHASE DISTANCE 2.2KM AT SARITA VIHAR ZONE-I, 186A, 186C, B PHSE E/F, DIST 1.079KM
9	7.12.15	07:27	220kV MEHRAULI - BTPS CKT. -II	7.12.15	08:19	AT BTPS NO TRIPPING AT MEHRAULI ZONE-II, DIST PROT, TRIP PHASE ABC, DIST 15.3KM, 186, 186
10	7.12.15	22:00	NARELA 66/11kV, 20MVA Tx-II	8.12.15	03:13	TR. TRIPPED WITH I/C ON BACK UP PROTECTION TRIP O/C
11	8.12.15	09:32	KANJHAWALA 66/11kV, 20MVA Tx-I	8.12.15	09:38	TR. TRIPPED ON 86, 30G OLTC
12	8.12.15	14:05	NARELA 220/66kV 100MVA Tx-III	8.12.15	14:24	TRIPPED WITHOUT INDICATION
13	10.12.15	03:39	220kV WAZIRABAD-GEETA COLONY CKT-II	10.12.15	03:54	At Wazirabad- General trip R Y B Ph ,Start B ph , start neutral ,Z-1 trip, dist:2.0 Km At G.colony-Dist.protection ,zone-1 ,distance-1.613Km ,Earth fault start in.
14	12.12.15	04:03	220kV BAWANA - KANJHAWALA CKT-2	12.12.15	07:38	AT BAWANA ZONE-I, B PHSE, DISTANCE 2.89KM AT KHANJAWALA ZONE-I, RY TRIP CVT AVAILABLE
15	12.12.15	05:38	220kV WAZIRABAD-GEETA COLONY CKT-I	12.12.15	07:40	AT GEETA COLONY ZONE-I, DIST 424.7MTS, 86 AT WAZIRABAD ZONE-I, DIST 3.6KM
16	12.12.15	05:52	220kV BAMNAULI-NARAINA CKT-II	12.12.15	12:51	AT NARAINA DIST PROT, ZONE-I, PT FAIL AT BAMNAULI DIST PROT, ZONE-I, CBPOLE DISCRIPANCY, DIST 35.96KM
17	12.12.15	06:09	220kV DSIIDC BAWANA-NARELA CKT-II	12.12.15	14:30	AT NARELA NO TRIPPING AT DSIDC 21MI, 21M2 B PHASE
18	12.12.15	06:23	220kV MEHRAULI - VASANT KUNJ CKT.-I	12.12.15	07:45	AT MEHRAULI CKT. TRIPPED ON 186AB, AR, ZONE-II , BPHASE, DIST PROT, AT VASANT KUNJ SUPPLY FAIL
19	12.12.15	06:40	DSIIDC Bawana 220/66kV 100MVA Tx-III	12.12.15	08:37	TR. TRIPPED ON 86, E/F, O/C
20	12.12.15	06:50	PATPARGANJ 33/11kV, 20MVA Tx	12.12.15	10:54	TR. TRIPPED ON 86, 30A, BUCH, 30B
21	12.12.15	06:55	VASANT KUNJ 220/66kV 100MVA Tx-III	12.12.15	11:05	TR. TRIPPED ON LV, REF, 87X, 86

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
22	12.12.15	07:15	220kV BAWANA-DSIIDC BAWANA CKT-II	12.12.15	12:16	AT BAWANA DIST PROT, DIST 1.19KM AT DSIDC SUPPLY FAIL
23	12.12.15	07:15	BAWANA 400/220kV 315MVA ICT-IV	12.12.15	09:34	ICT TRIPPED ON 86 I/C TRIPPED ON 86
24	12.12.15	08:35	220kV BAWANA - KANJHAWALA CKT-2	12.12.15	17:36	AT BAWANA DIST PROT, 86 AT KHANJAWALA NO TRIPPING
25	13.12.15	04:20	NARELA 66/11kV, 20MVA Tx-II	13.12.15	06:05	TR. TRIPPED ON OLTC BUCH
26	14.12.15	23:25	220kV SARITA VIHAR - BTPS CKT.-II	14.12.15	23:30	AT SARITA VIHAR TRIPPED DUE TO LOW GAS PRESSURE ALARM AT BTPS NO TRIPPING
27	15.12.15	09:24	LODHI RD 33/11kV, 20MVA Tx-I	15.12.15	15:23	11KV I/C TRIPPED WITHOUT INDICATION
28	15.12.15	14:45	PAPPANKALAN-I 66/11kV, 20MVA Tx-III	15.12.15	15:35	TR. TRIPPED ON REF LV
29	17.12.15	06:50	220KV WAZIRABAD - MANDOLA CKT-IV	17.12.15	07:20	AT WAZIRABAD DIST PROT, ZONE-I, DIST 8.375KM AT MANDOLA NO TRIPPING
30	20.12.15	04:30	220KV BAWANA-SHALIMARBAGH CKT-II	20.12.15	06:47	AT SHALIMARBAGH CKT TRIPPED WITHOUT INDICATION. CKT REMAINED CHARGED FROM BAWANA.
31	20.12.15	05:48	220kV SHALIMAR BAGH - DMRC CKT	20.12.15	06:21	AT SHALIMARBAGH CKT TRIPPED WITHOUT INDICATION.
32	22.12.15	16:48	PAPPANKALAN-II 220/66kV 100MVA Tx-I	22.12.15	15:20	TX TRIPPED ON LBB,86 AND 66KV I/C-1 TRIPPED ON LBB,86.B-PH CVT OF 66KV BUS BUS-2 BAMAGED.
33	22.12.15	16:48	PAPPANKALAN-II 220/66kV 100MVA Tx-II	22.12.15	15:20	TX TRIPPED ON LBB,86 AND 66KV I/C-2 TRIPPED ON O/C, LBB,86. B-PH CVT OF 66KV BUS BUS-2 BAMAGED.
34	22.12.15	16:48	PAPPANKALAN-II 220/66kV 160MVA Tx-I	22.12.15	19:50	66KV I/C-1 OF 160MVA TX-1 TRIPPED ON O/C,E/F.
35	25.12.15	00:10	NARAINA 220/33kV 100MVA Tx-I	25.12.15	00:28	33KV I/C-1 OF TX TRIPPED ON O/C,86.
36	25.12.15	00:10	NARAINA 33kV PANDAV NAGAR CKT	25.12.15	18:15	CKT TRIPPED ON O/C,E/F. Y-PH JUMPER OF BUS-1 ISOLATOR DAMAGED.
37	25.12.15	00:10	NARAINA 220/33kV 100MVA Tx-III	25.12.15	17:45	33KV I/C-3 OF TX TRIPPED ON O/C,86.
38	26.12.15	08:26	GOPALPUR 66kV JAHANGIRPURI CKT-II	26.12.15	18:11	AT GOPALPUR CKT TRIPPED ON E/F,R-PH D/P,DIST-0.2KM.OPGW SNAPPED AT GOPALPUR.
39	27.12.15	21:12	400kV Bawana-Mundka Ckt-I	27.12.15	22:39	AT MUNDKA CKT TRIPPED DUE TO OPERATION OF BUS BAR PROTECTION. CVT AVAILABLE AT MUNDKA.
40	28.12.15	09:32	PATPARGANJ 220/66kV 100MVA Tx-II	28.12.15	10:15	66KV I/C-2 TRIPPED ON O/C. MONKEY ELECTROCUTED IN YARD.
41	29.12.15	12:36	220KVBAWANA- ROHINI CKT-II	29.12.15	15:45	AT BAWANA CKT TRIPPED ON D/P,Z-1,R&Y-PH,DIST-7.45KM, 186A&B.
42	29.12.15	15:35	SUBZI MANDI 220/33kV 100MVA Tx-II	29.12.15	15:50	TX TRIPPED ON OC,86.
43	30.12.15	16:15	220kV GAZIPUR- PATPARGANJ CKT	30.12.15	16:22	AT GAZIPUR CKT TRIPPED ON RX-ME18 GENERAL TRIP. CKT DIDNOT TRIP AT PATPARGANJ.
44	31.12.15	03:10	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	31.12.15	03:30	33KV I/C-1 OF TX TRIPPED ON E/F.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF DECEMBER 2015

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