



DELHI TRANSCO LIMITED.

(A Govt. of NCT of Delhi Undertaking)

STATE LOAD DESPATCH CENTER

REGD. OFFICE : SHAKTI SADAN, KOTLA MARG, NEW DELHI-110002

SLDC Building, 33kV Minto Road Grid Sub-Station, New Delhi-110002

Annual Report

2013-14

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1 INTRODUCTION

Delhi Transco Limited is the State Transmission Utility of the National Capital Territory of Delhi. It is responsible for transmission of power at 220KV and 400KV level, besides up gradation operation and maintenance of EHV Network as per system requirements.

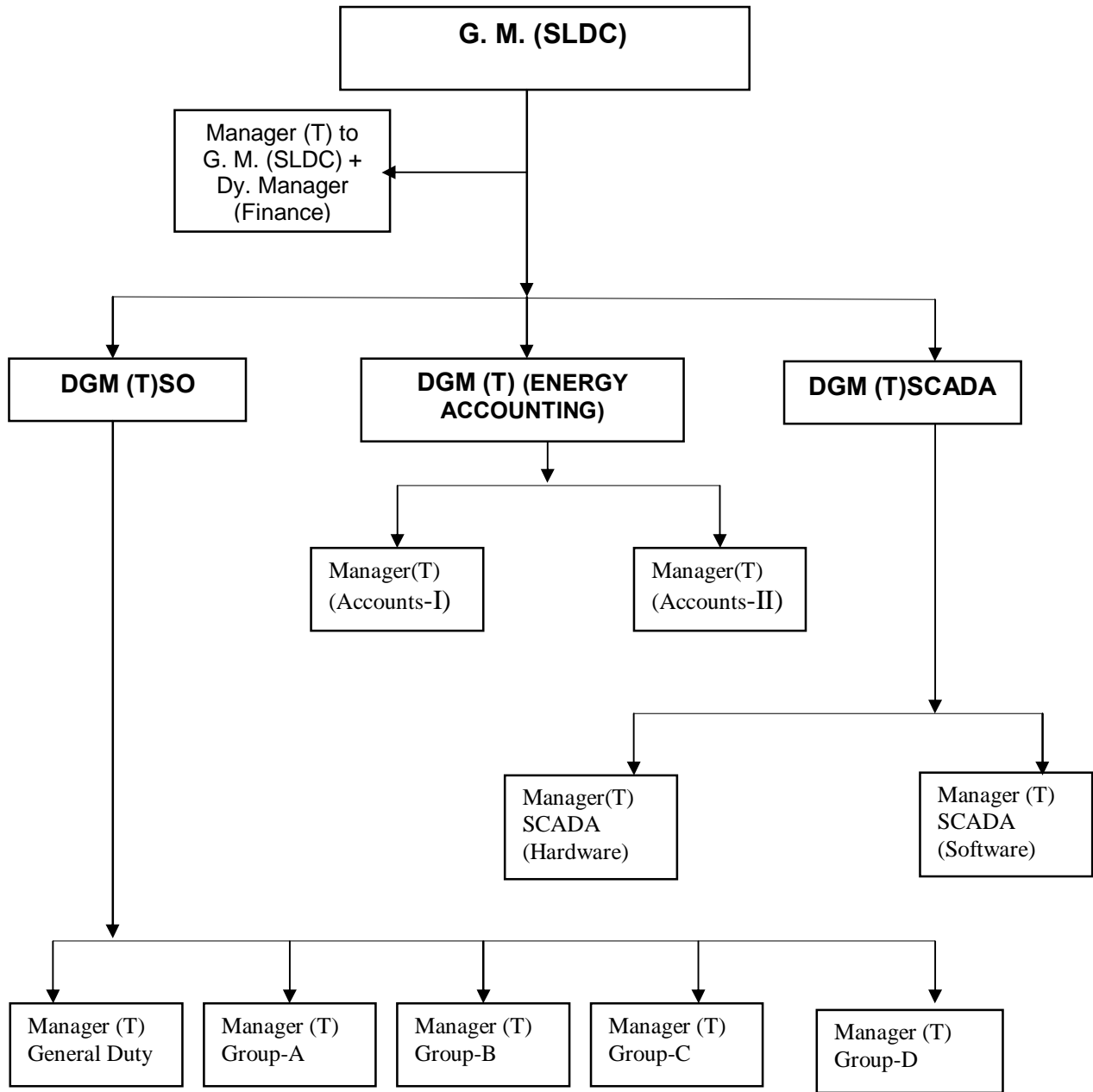
After the enactment of Electricity Act 2003, a new department under the name and style of **State Load Despatch Centre (SLDC)** under Delhi Transco Limited was created, as an Apex body to ensure integrated operation of the power system in Delhi. Earlier the department was part of O&M Department of Delhi Transco Ltd / Delhi Vidyut Board. SLDC Delhi started its function on the First of January 2004. SLDC is responsible for the real time Load Despatch function, O&M of SCADA System and Energy Accounting.

Its mission is to facilitate intra and inter state transfer of power with Reliability, Security and Economy on sound commercial principles.

2 LICENSEES OPERATING IN DELHI POWER SYSTEM

- | | | | |
|----|---|---|---------------------------------------|
| 1) | DELHI TRANSCO LTD.(DTL) | : | TRANSMISSION LICENSEE
(STU, DELHI) |
| 2) | INDRAPRASTHA POWER GENERATING
COMPANY LTD. (IPGCL) | : | GENERATING UTILITY |
| 3) | PRAGATI POWER CORPORATION LTD.
(PPCL) | : | GENERATING UTILITY |
| 4) | BSES RAJDHANI POWER LTD.
(BRPL) | : | DISTRIBUTION LICENSEE |
| 5) | BSES YAMUNA POWER LTD.
(BYPL) | : | DISTRIBUTION LICENSEE |
| 6) | TATA POWER DELHI DISTRIBUTION LTD.
(TPDDL) | : | DISTRIBUTION LICENSEE |
| 7) | NEW DELHI MUNICIPAL COUNCIL
(NDMC) | : | DEEMED DISTRIBUTION
LICENSEE |
| 8) | MILITARY ENGINEERING SERVICE
(MES) | : | DEEMED DISTRIBUTION
LICENSEE |

3 ORGANISATIONAL SETUP OF SLDC DEPARTMENT



4 Functions of various circles of SLDC

- i) System Operation
- ii) SCADA Division
- iii) Energy Accounting

4.1 System Operation

System Operation Circle is mainly responsible for techno-economic scheduling and dispatch of electricity within the NCT of Delhi in accordance with the contracts entered into with the licensees or the generating companies operating in Delhi.

The System Operation Division monitors grid operations, exercise supervision and control over the intra-state transmission system and carry out the real time operation of grid control and dispatch of electricity within Delhi through secure and economic operations of the State Grid in accordance with the Grid standards and the State Grid Code.

The responsibility for implementation of these procedures lies with the Managers (System Operation) General Shift as well as in Manager (System Operation) shifts in round the clock basis under the overall supervision and control of Dy.G.M.(S.O).

4.2 Supervisory Control and Data Acquisition (SCADA)

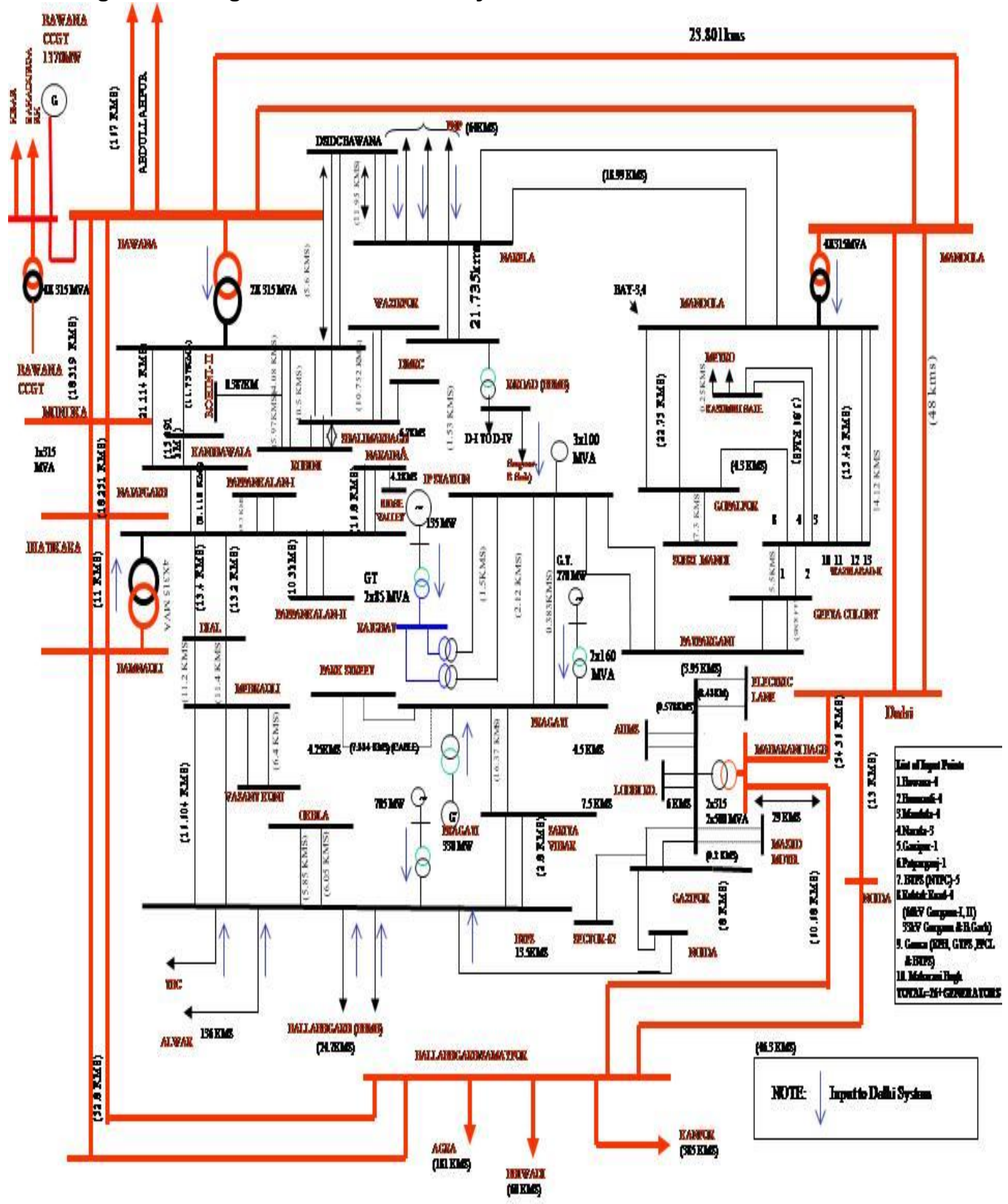
SLDC has a state of art Load despatch centre having SCADA (Supervisor Control And Data Acquisition System) for retrieving information from generating stations and grid sub stations consisting of analog data (like Mega Watt, Voltage, Current, MVar) and digital status of various elements (like Circuit Breaker, Isolator etc.) for real time operation of grid, enabling it to operate safely, securely and economically.

The data from sub station is received through an existing communication ring comprising of OPGW, Microwave and PLCC links. For indicating this data on control room monitors, the hardware and communication links at sub stations are maintained round the clock by the hardware and PLCC sub divisions. The software sub division of SCADA has developed in-house softwares for various activities.

4.3 Energy Accounting

The circle is to undertake the accounting of the quantity of electricity transmitted through the state grid as envisaged in the Electricity Act. This includes the preparation of State Energy Accounts indicating Availability, Scheduled Generation, Plant Load Factor computation, Open Cycle Operation of Gas Turbines etc. in respect of Generating Stations within Delhi. It has also to prepare and issue weekly Deviation Settlement Mechanism (DSM) Accounts for Interstate utilities. At present, this circle's responsibilities are being discharged by System Operation circle.

4.4 Single Line Diagram of Delhi Power System



5 MAJOR ACTIVITIES OF SLDC DURING 2013-14

In the second phase of power reforms undertaken in Delhi, the power purchase agreements executed by DESU / DVB / DTL have been reassigned to Distribution Licensees / Deemed Distribution Licensees from 01.04.2007. Subsequently, Intrastate ABT has also been introduced in Delhi w.e.f. 01.04.2007 which is first in the country. Delhi State Electricity Regulatory Commission has subsequently come out with Delhi Grid code (DGC) notified in official Gezette on 22.04.2008. Delhi Grid Code envisages Grid Coordination Committee whose responsibilities are :-

The Grid Coordination Committee shall be responsible for the following matters namely -

- (a) facilitating the implementation of these Regulations and the procedures developed under the provisions of these Regulations;
- (b) assessing and recommending remedial measures for issues that might arise during the course of implementation of provisions of these Regulations and the procedures developed under the provisions of these Regulations;
- (c) review of the DGC, in accordance with the provisions of the Act and these Regulations;
- (d) analyse any major grid disturbance after its occurrence,
- (e) examining problems raised by the Users, and
- (f) investigate in case any Beneficiary is indulging in unfair gaming or collusion after getting reported from SLDC.
- (g) review of the complete statement of the State UI (now DSM) and the State Reactive Energy account tabled by the SLDC through its Commercial Committee (a Sub-committee of GCC);
and
- (h) such other matters as may be directed by the Commission from time to time.

Deputy General Manager (System Operation) is the Convener of the GCC. GCC further formed various Sub-Committees whose responsibilities are detailed hereunder:-

- a) **Operation Co-Ordination Sub-Committee (OCC)**
- b) **Commercial Sub-Committee (CC)**
- c) **Protection Sub-Committee (PC)**
- d) **System Study Sub-Committee**

5.1 OPERATION CO-ORDINATION SUB-COMMITTEE (OCC)

Functions and Responsibilities :

Operation Co-ordination Committee (OCC) is responsible for

- Settle all issues related to operation of the Delhi / Regional grid viz. reviewing the schedule v/s. actual generation of various power stations drawn up in the previous month;
- estimating availability of power and energy from each power station and demand of each licensee for the current and next month;
- drawing up coordinated maintenance schedule for Intrastate generating units and Intrastate transmission network;
- reviewing operational discipline and its norms to be observed by constituents;
- reviewing the operation of Automatic Under-Frequency Relays;
- discussing system occurrences, if any, during the previous month ;
- reviewing the status of implementation of the recommendations of the Inquiry Committees;
- monitoring / reviewing violation of provisions of IEGC/DGC related to grid operation;
- discussing / reviewing measures for ensuring economic grid operation including optimization of energy transfer with other constituents;
- examining possibility of optimizing intra state energy exchanges;
- discussing optimization of energy transfer with other states; and
- any other matter referred by the GCC.

5.2 COMMERCIAL SUB-COMMITTEE (CC):

Functions and Responsibilities :

Commercial Sub-Committee(CC) is responsible for

- all commercial related issues viz. energy accounting ;
- schemes required for inclusion in the Bulk Power Supply Agreements ;
- requirement of power from the new projects ;
- installation of special energy meters and its cost sharing, etc.;
- metering aspects;
- reviewing of the payments towards UI (now DSM) charges ;
- treatment of transmission losses;
- commercial declaration of lines / substation and Generating units;
- commercial issues in intra state exchange of power ;
- issues concerning settlement of payments among constituents, if any, etc. and ;
- any other matter referred by the GCC.

Auditing Commercial Committee shall audit the State Energy Accounts, Intra State UI Accounts and Inter discom Energy Transfer Account & Reactive Pool Accounts.

5.3 PROTECTION SUB-COMMITTEE (PC)

Functions and Responsibilities:

Protection Sub-Committee (PC) is responsible for

- all power system protection related issues viz. analysis of system disturbances in the state;
- review of protective relaying schemes ;
- relay co-ordination ;
- islanding schemes;
- automatic under frequency load shedding schemes;
- review of the implementation of recommendations made by the Inquiry Committee of the grid disturbance in the state / region concerning the above matters, etc.;
- and any other matter referred by the GCC.

5.4 SYSTEM STUDY SUB-COMMITTEE:

Functions and Responsibilities

System Study Sub-Committee entrusted with the work to carry out following system studies

- Studies for assessment of the quantum of capacitors required in the state taking into account the expected additions in the generation and transmission systems and the low voltage conditions in the system. The study shall be correlated with that of capacitor requirement study of being carried out at Regional level at NRPC.
- Studies for review of area wise reactive compensation requirement
- Operational load flow studies as & when required, for peak conditions off peak conditions etc.
- Short-circuit studies as and when required.
- Transient stability studies for major events like grid disturbances or other issues periodically or as and when requested by the constituent(s).
- System studies related to transmission constraints.
- Studies specific to high / low voltage conditions with specific reference to reactors or capacitors operation / requirement.
- Identification of requirement of reactors as and when required
- Co-relation of protection related issues from Studies as and when required
- To draw out the contingency plan of Delhi Power System.
- Any other technical study referred by the GCC.

The above said Sub-Committee meets periodically to transact business as envisaged in their formation.

The Apex Committee, Grid Coordination met once during the year. The details of various decisions taken in the meeting are as under :-

S. No.	Date of meeting	Discussions and Decision on the issue(s)
1	06.08.13	<p>9th Meeting was convened on 06.08.2013. The following decisions were taken in the meeting:</p> <p>i) It was decided to refer the matter of enhancing the Grid Security at BTPS to CPRI for conducting the detailed study for enhancement of Grid security of BTPS. Planning Department of DTL was advised to get the study done through CPRI at the earliest as the firm has already been entrusted with the responsibility of simulation of the Islanding Scheme of Delhi and Reactive Power compensation. It was also decided to get the advise of Power Grid and CEA for obtained for conducting the study.</p> <p>ii) Provision of hot reserve transformers in DTL was discussed.</p> <p>iii) GCC discussed the enhancement of transformation capacity at 66/11kV and 33/11kV level at various sub-stations of DTL especially at Najafgarh, Pappankalan-I, Gopalpur, Subzi Mandi, Sarita Vihar and Naraina</p> <p>iv) GCC also reviewed the position of implementation of State-of-The-Art load management scheme and installations of under frequency relays by Discoms.</p> <p>v) GCC reviewed the position of outstandings dues owed by various utilities and advised them to chalk out stratagey to clear dues.</p> <p>vi) GCC reviwed the status of implementation of recommendations of Experts Committee constituted after the massive Grid Disturbances occurred on 30/31.07.2012.</p> <p>vii) Power supply position of summer 2013 and anticipated power supply position of winter 2014 was discussed. GCC also discussed the transmission constraints encounted during summer 2013 and their remedial measures.</p> <p>viii) GCC advised Distribution licensees to utilize various 33kV or 66kV bays allocated to them at various 220kV Grid S/Stns of Delhi.</p> <p>ix) GCC advised DTLø Planning Department to draw out the schemes immediately so that the stability of power supply of the areas fed from Rohtak Road is ensured. The existing supply through 220kV Narela ó Rohtak Road transmission system can be used as standby source to the proposed GIS.</p> <p>x) GCC also discussed various commercial and operational issues prevailing in Delhi Power System.</p>
2	29.01.2014	<p>10th meeting of GCC held on 29.01.2014. The following discussions and decisions were taken:-</p> <p>i) GCC reviewed the status of implementation of enhancement of Grid security at BTPS. GCC advised Planning Department of DTL to conduct study in coordination with all Stakeholders including BTPS and decide on the configuration based on the studies in view of the impending changes to be occurred in the system. The study be conducted by the State System Study Group.</p> <p>ii) Provisions of hot reserve transformers in DTL was discussed.</p>

S. No.	Date of meeting	Discussions and Decision on the issue(s)
		<p>iii) GCC discussed the enhancement of transformation capacity at 66/11kV and 33/11kV level at various sub-stations of DTL and it was decided that DERC's orders are required to be implemented. GCC was further of the view that in case of any difficulty in implementing the order, the affected party may approach the Commission.</p> <p>iv) GCC also reviewed the position of implementation of State-of-The-Art load management scheme and installations of under frequency relays by Discoms. GCC advised all distribution utilities to maintain and monitor the operation of the system as per the provisions contained in the grid codes.</p> <p>v)GCC reviewed the position of outstandings dues owed by various utilities and advised them to chalk out strategy to clear dues. GCC requested all utilities to pay at least the current dues so that the regular day to day operations may continue to ensure electricity supply to consumers. In case, the current dues are not being paid, concerned utilises may take other legal recourse as per the provision of Power Purchase Agreements (PPAs) or Transmission Service Agreement, as the case may be, including the power regulations without affecting the regular paying utilities. With regard to the payment dispute of TPDDL and NDMC with DTL, GCC advised to file petition before DERC to resolve the issue.</p> <p>vi)GCC reviewed the status of implementation of recommendations of Experts Committee constituted after the massive Grid Disturbances occurred on 30/31.07.2012.</p> <p>vii) GCC reviewed the anticipated power supply position of summer 2014 and advised all utilities to arrange sufficient power to meet the shortages particularly looking into the tightening of frequency band by CERC from the existing 49.7Hz.-50.20Hz. to 49.95 Hz.-50.05Hz. from 17.02.2014. DTL was also advised to ensure early commissioning of sub stations like Wazipur, Peeragarhi & Harsh Vihar etc. to enhance the transmission capacity.</p> <p>viii) GCC advised Distribution licensees to utilize various 33kV or 66kV bays allocated to them at various 220kV Grid S/Stns of Delhi.</p> <p>ix) GCC decided that after the study report, GCC would take up the matter with Member (Power), BBMB to provide space for establishment of 220kV GIS at BBMB S/Stn at Rohtak Road or to provide second feed at BBMB Rohtak Road S/STn from nearby 400kV S/Stn of DTL for ensuring stability of supply to areas fed from existing 220kV BBMB Rohtak Road S/Stn and 33kV Rohtak Road S/Stn of TPDDL.</p> <p>x) GCC also discussed various commercial and operational issues prevailing in Delhi Power System.</p>

In addition to the above, there are number of coordination meetings held in SLDC to resolve various issues. The details are as under :-

S. No.	Date of meeting	Discussions and Decision on the issue(s)
1	05.06.13	Meeting was convened in SLDC under the Chairmanship of Director (Operations), DTL to discuss about Transmission & Distribution constraints and to evolve strategy to overcome these constraints to meet the summer demand of 2013. This meeting was a follow up of the meeting held on 05.02.2013.

6 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	2012-13	2013-14
1	Effective Generation Capacity within Delhi in MW		
	Rithala	94.2	94.2
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Stage-I	330	330
	Badapur Thermal Power Station	705	705
	Bawana CCGT	1371	1371
	Timarpur Okhla Waste Management Ltd	16	16
	Total	2922	2922
2	Maximum Unrestricted Demand (MW)	5727	5714
	Date	05.07.12	06.06.13
	Time	15:10:14	15:38:41
3	Peak Demand met (MW)	5642	5653
	Date	05.07.12	06.06.13
	Time	15:10:14	15:38:41
4	Peak Availability (MW)	5461	5298
5	Shortage (-) / Surplus (+) in MW	(-)181	(-)355
6	Percentage Shortage (-) / Surplus (+)	(-)3.21	(-) 6.28
7	Maximum Energy Consume in a day (Mus)	107.365	109.661
8	Energy Consumed during the year	27235	28020.958
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.878	0.175
ii)	Load Shedding by		
	TPDDL	21.836	10.328
	BRPL	17.909	12.688
	BYPL	18.308	8.121
	NDMC	0.017	0.127
	MES	0.000	0.000
iii)	Due to Transmission Constraints in Central Sector System	37.990	4.183
	Total due to Grid Restriction	96.938	35.622
B)	Due to Constraints in System		
	DTL	13.475	17.495
	TPDDL	8.643	4.456
	BRPL	12.613	12.587
	BYPL	5.143	4.121
	NDMC	0.003	0.017
	MES	0.000	0.000
	Other Agencies	1.370	2.745
	Total	41.247	41.422
11	Total Load Shedding in MUs	138.185	77.044
12	Load shedding in percentage of Energy Consumption	0.51	0.275

7. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING YEAR 2013-14

Sr. No	Power Station	Effective Capacity (MW)	Gross Generation in MUs	Ex-bus Generation In MUs	Plant Availability Factor in %age	Actual Plant Load Factor in %age
1	Rithala CCTG	94.2	0.222	0.0000000	84.49	0.00
2	Rajghat TPS	135	379.883	321.048973	67.55	31.30
3	Gas Turbine	270	1040.454	1006.792073	85.76	43.90
4	Pragati Stage-I	330	2425.353	2359.108291	92.62	83.85
5	BTPS	705	4073.000	3772.769453	97.89	65.90
6	Bawana CCGT	1371	654.048	617.324258	95.69	5.6
7	Timarpur Okhla Waste Management Ltd.	16	109.771	100.426.376	--	
8	Total	2921.2	8682.731	8177.845048		

8. DETAILS OF OUTAGES OF GENERATING STATIONS WITHIN DELHI FOR 2013-14
(A) RPH STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	03.04.13	18.35	03.04.13	19.45	Unit tripped due to drum level very low.
		04.04.13	08.55	04.04.13	09.45	Unit tripped due to drum level low.
		14.04.13	10.20	14.04.13	15.40	Unit desynchronised to attend the CW line leakage.
		19.04.13	08.25	19.04.13	16.40	Unit desynchronised to attend the Boiler window repairing.
		19.04.13	17.00	19.04.13	17.30	Unit tripped due to bay no. 20 tripped.
		03.05.13	20.00	05.05.13	03.30	Unit desynchronised to attend the Boiler tube leakage.
		05.05.13	11.40	05.05.13	13.40	Unit tripped due to drum level low.
		05.05.13	15.55	05.05.13	20.15	Dark out due to Reactor on bay no. 9 had been blasted.
		19.05.13	07.10	24.05.13	04.40	Due to shortage of coal fuel and to attend the CW line leakage.
		25.05.13	01.50	25.05.13	03.20	Unit tripped due to Furnace pr. very high.
		01.06.13	12.40	01.06.13	13.55	Unit tripped due to drum level low.
		02.06.13	11.55	02.06.13	13.05	Unit tripped due to Furnace pr. very high.
		06.06.13	17.10	06.06.13	20.05	Dark out due to 22K 9F, unit tripped.
		16.06.13	18.35	19.06.13	13.50	Unit desynchronised as per system operation.
		21.06.13	22.50	24.06.13	14.50	Unit desynchronised to attend the Boiler tube leakage.
		02.07.13	12.55	02.07.13	14.25	Dark out due to grid disturbance.
		09.07.13	23.30	10.07.13	00.25	Unit tripped due to flame failure.
		10.07.13	00.40	10.07.13	03.40	Unit tripped due to ST-1 trip.
		10.07.13	04.10	10.07.13	04.35	Unit tripped due to furnace pressure high.
		10.07.13	04.40	15.07.13	12.05	Furnace pressure high (suspected boiler tube leakage).
		16.07.13	11.00	22.07.13	00.05	Unit tripped due to furnace pressure very high.
		22.07.13	03.55	22.07.13	04.25	
		22.07.13	10.45	22.07.13	12.00	Dark out due to 220kv supply failure.
		23.07.13	19.15	01.08.13	23.00	Furnace pressure very high due to boiler tube leakage.
		02.08.13	10.00	02.08.13	10.50	Unit tripped due to flame failure
		03.08.13	10.55	03.08.13	12.35	Dark out due to grid disturbance
		03.08.13	12.45	03.08.13	13.05	Unit tripped due to drum level low
		03.08.13	13.15	03.08.13	13.45	Unit tripped due to turbine trip
		07.08.13	19.35	07.08.13	20.55	Unit tripped due to flame failure
		07.08.13	21.05	07.08.13	22.25	Unit tripped due to drum level very low
		08.08.13	08.05	16.08.13	17.40	Stopped due to low demand and high frequency
		21.08.13	06.55	21.08.13	08.35	Unit tripped due to turbine trip
		22.08.13	02.15	22.08.13	03.00	Unit tripped on furnace pressure very high
		22.08.13	22.00	27.08.13	17.40	Heavy steam leakage from turbine control valve
		11.09.13	03.23	12.09.13	15.15	Shortage of raw water
		16.09.13	05.05	16.09.13	12.19	Coal mill problem
		22.09.13	05.58	24.09.13	14.00	Stopped due to low demand and high frequency
		27.09.13	23.00	27.09.13	23.30	Furnance pressure high
		28.09.13	17.00	28.09.13	18.00	Flame failure
		28.09.13	18.10	28.09.13	18.35	Furnace pressure very high
29.09.13	18.45	29.09.13	19.10	Flame failure		
29.09.13	23.20	07.10.13	18.15	To attend main stream temp; control line leakage		
07.10.13	20.50	07.10.13	21.25	Furnace pressure very high		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	10.10.13	10.35	14.10.13	10.40	Boiler tube leakage
		25.10.13	23.15	28.10.13	10.25	Stopped due to less demand and high frequency
		28.10.13	10.45	28.10.13	11.15	Drum level high
		04.11.13	12:00	16.04.14	10.50	Stopped due to low demand

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	03.04.13	04.10	03.04.13	05.35	Unit tripped due to turbine trip.
		05.04.13	20.00	06.04.13	04.05	To attend the economiser tube leakage.
		14.04.13	10.10	14.04.13	18.15	To attend the CW line leakage.
		04.05.13	09.20	06.05.13	03.25	Economiser tube leakage.
		11.05.13	17.15	11.05.13	18.00	Unit tripped due to turbine trip.
		11.05.13	23.20	11.05.13	23.45	
		19.05.13	07.15	19.05.13	20.55	Unit desynchronised to attend the CW line leakage.
		24.05.13	05.50	01.06.13	00.25	Unit desynchronised due to shortage of coal fuel.
		01.06.13	19.20	07.06.13	14.20	Unit tripped due to Boiler tube leakage.
		11.06.13	07.15	11.06.13	08.30	Unit tripped due to birdage, bay No. 1 to 9 tripped.
		18.06.13	14.20	18.06.13	15.00	Unit tripped due to turbine trip.
		02.07.13	12.55	02.07.13	14.10	Dark out due to grid disturbance.
		02.07.13	23.55	03.07.13	00.55	Unit tripped due to loss of fuel.
		10.07.13	00.45	10.07.13	02.00	Unit tripped due to emergency board supply failure.
		10.07.13	10.45	10.07.13	11.55	Unit tripped due to furnace pressure very high.
		10.07.13	13.50	10.07.13	17.10	Unit desynchronised due to furnace pressure hunting.
		11.07.13	09.20	12.07.13	19.25	Unit desynchronised, furnace disturbance due to wet coal.
		14.07.13	15.35	14.07.13	16.10	Unit tripped due to furnace pressure very high.
		15.07.13	03.45	15.07.13	04.45	Unit tripped due to furnace pressure high.
		19.07.13	07.50	19.07.13	08.20	Unit tripped due to condensor vacuum low.
		21.07.13	03.55	23.07.13	22.20	Unit desynchronised due to no coal flow.
		24.07.13	17.40	02.08.13	13.20	To attend the leakage from ACW line.
		03.08.13	10.55	03.08.13	12.10	Dark out due to grid disturbance
		16.08.13	19.30	23.08.13	22.20	Stopped due to low demand and high frequency
		26.08.13	12.15	26.08.13	13.20	Dark out due to grid disturbance
		28.08.13	22.15	13.09.13	16.23	To attend the boiler tube leakage / coal mill problem
		26.09.13	09.55	21.10.13	11.30	Boiler tube leakage
		25.10.13	23.15	26.10.13	00.50	Electrical fault
		30.10.13	16.10	24.02.14	08.14	Stopped due to low demand and high frequency
		24.02.14	16.16	24.02.14	20.11	MS-2 valve closed
28.02.14	14.55	28.02.14	16.09	Turbine tripped		
15.03.14	18.00	16.04.14	14.40	Stopped due to low demand and high frequency		

(B)

Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	01.04.13	0:00	01-04-13	5:45	Stopped due to low demand and high frequency
		03.04.13	16:30	10-04-13	11:25	
		18.04.13	23:20	19-04-13	12:01	Machine stopped to rectify the faulty Controller
		19.04.13	12:15	22-04-13	5:47	Stopped due to low demand and high frequency
		29.04.13	11:31	29-04-13	23:37	
		07.05.13	1:45	13-05-13	14:25	Machine came on FSNL during charging of 160 MVA Trf.
		13.05.13	16:48	13-05-13	17:10	
		18.05.13	13:25	21-05-13	21:10	Stopped due to low demand and high frequency
		30.05.13	21:45	17-06-13	22:55	
		17.06.13	23:15	18-06-13	20:15	Machine not available due to problem in Diesel Engine
		28.06.13	10:52	28-06-13	22:00	
		28.06.13	22:00	29-06-13	17:00	Stopped due to low demand and high frequency
		29.06.13	17:00	01-07-13	18:05	
		01.07.13	21:35	02-07-13	17:45	Machine could not be started due to problem in EOP
		02.07.13	17:45	03-07-13	11:45	
		03.07.13	11:45	08-07-13	8:55	Stopped due to low demand and high frequency
		12.07.13	11:50	15-07-13	8:00	
		15.07.13	9:10	15-07-13	10:40	Ignition pressure high trip.
		17.07.13	11:20	18-07-13	20:35	
		20.07.13	12:05	27-07-13	21:30	Due to GCV reference not followed and loss of flame
		27-07-13	21:40	28-07-13	0:12	
		29-07-13	13:55	29-07-13	15:10	Machine came on FSNL due to grid disturbance
		31-07-13	10:40	31-07-13	11:27	
		31-07-13	17:30	01.08.13	23:42	Stopped due to low demand and high frequency
		02.08.13	1:40	02.08.13	11:45	
		02.08.13	12:40	04.08.13	10:41	Due to leakage in ACW line.
		06.08.13	15:30	08.08.13	20:41	
		09.08.13	1:20	28.08.13	0:30	Stopped due to low demand and high frequency
		28.08.13	0:30	28.08.13	3:00	
		28.08.13	3:00	28.08.13	11:45	Leakage in ACW line
		28.08.13	11:45	28.08.13	14:00	
		28.08.13	14:00	05.09.13	10:53	Stopped due to low demand and high frequency
		06.09.13	02:17	12.09.13	21:27	
13.09.13	18:18	07.10.13	12:20	Stopped due to low demand and high frequency		
11.10.13	09:37	14.10.13	11:15			
15.10.13	03:02	16.10.13	13:44	Stopped due to low demand and high frequency		
23.10.13	13:15	15.02.14	15:01			
17.02.14	16.58	27.02.14	13:37	Stopped due to low demand and high frequency		
28.02.14	18.06	18.03.14	03:32			
27.03.14	13.10	01-04-13	5:35			

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	03-04-13	12:02	09-04-13	5:50	Stopped due to low demand and high frequency
		10-04-13	17:25	11-04-13	11:45	
		28-04-13	21:40	28-04-13	23:45	
		07-05-13	16:30	13-05-13	17:20	
		17-05-13	16:20	28-06-13	22:00	
		28-06-13	22:00	29-06-13	17:00	Machine not available due to problem in Gas Valve
		29-06-13	17:00	02-07-13	17:45	Stopped due to low demand and high frequency
		02-07-13	17:45	03-07-13	13:15	Machine could not be started due to problem in EOP
		03-07-13	13:15	28.08.13	0:30	Stopped due to low demand and high frequency
		28.08.13	0:30	28.08.13	3:00	Machine taken out from DC due to leakage in ACW line.
		28.08.13	3:00	28.08.13	11:45	Stopped due to low demand and high frequency
		28.08.13	11:45	28.08.13	14:00	due to leakage in ACW line,GT# 2 not available
		28.08.13	14:00	30.06.14	22.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage	
		Date	Time	Date	Time		
3	30	01-04-13	0:00	01-04-13	7:30	Stopped due to low demand and high frequency	
		17-04-13	10:40	22-04-13	8:10		
		28-04-13	21:46	29-04-13	10:55		
		04-05-13	0:05	06-05-13	14:00		
		07-05-13	1:50	07-05-13	12:00		
		11-05-13	19:30	14-05-13	17:15		
		14-05-13	18:23	14-05-13	21:00		
		14-05-13	21:00	17-05-13	15:45		
		06-06-13	17:04	06-06-13	19:00		Machine came on FSNL due to tripping of 160 MVA Tr-I & II at IP Extension end.
		06-06-13	22:47	07-06-13	11:55		Stopped due to low demand and high frequency
		09-06-13	8:09	09-06-13	9:50	Machine came on FSNL due to tripping of 160 MVA Tr-I & II Buchholtz relay operated after that tripped on Lube oil temperature high as the auxiliary supply failed .	
		11-06-13	12:45	12-06-13	7:56	Stopped due to low demand and high frequency	
		14-06-13	8:45	17-06-13	20:50		
		23-06-13	23:40	24-06-13	8:16		
		28-06-13	9:40	28-06-13	21:13		
		30-06-13	9:18	01-07-13	17:23		
		02-07-13	12:44	02-07-13	13:40		Machine came on FSNL due to grid disturbance
		12-07-13	14:25	12-07-13	21:30		Stopped due to low demand and high frequency
		11-07-13	11:30	18-07-13	20:40		
		20-07-13	12:06	20-07-13	13:22		
		22-07-13	10:32	22-07-13	10:46	Machine came on FSNL due to grid disturbance	
		22-07-13	11:20	22-07-13	12:55	Machine taken on FSNL due to voltage problem,160 MVA Tx. Not synchronised	
		27-07-13	11:05	27-07-13	21:45	Stopped due to low demand and high frequency	
		28-07-13	20:05	30-07-13	20:53		
		31-07-13	10:40	31-07-13	15:55		Machine tripped due to grid disturbance

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	03.08.13	10:56	03.08.13	11:23	Machine came on FSNL due to grid disturbance
		03.08.13	11:23	05.08.13	19:30	
		06.08.13	15:34	07.08.13	15:40	Stopped due to low demand and high frequency
		09.08.13	22:15	26.08.13	9:15	
		26.08.13	12:12	26.08.13	12:58	Due to Grid disturbance
		28.08.13	0:30	28.08.13	2:50	Due to leakage in ACW line,GT not available
		08.09.13	12:32	11.09.13	11:55	
		12.09.13	12:45	12.09.13	15:06	
		13.09.13	09:15	13.09.13	17:05	Stopped due to low demand and high frequency
		21.09.13	14:46	24.09.13	08:48	
		02.10.13	00:32	06.10.13	04:55	
		02.11.13	09:20	02.11.13	09:50	Exhaust overtemperature trip
		02.11.13	09:50	02.11.13	17:25	P2 pressure high .(about 23 kg.)
		13.11.13	05:05	13.11.13	06:35	Exhaust overtemperature trip
		23.11.13	13:25	23.11.13	17:10	To change Air Filter.
		2.12.13	23:56	3.12.13	00:22	Exhaust Over temp.High
		16.12.13	02:47	16.12.13	03:40	High TAD
		16.12.13	04:41	16.12.13	08:00	High TAD.
		16.12.13	08:00	20.12.13	15:30	Due to low demand and high frequency
		27.12.13	14:29	27.12.13	18:12	
		07.01.14	21:50	08.01.14	00:30	Due to bursting of PT of 66kV School Lane Ckt-I and tripping of 66kV I/C of 160MVA Txs
		08.01.14	10:10	08.01.14	11:12	Battery undervoltage
		12.01.14	00:00	12.01.14	11:15	Stopped due to low demand and high frequency
		16.01.14	06:45	16.01.14	07:10	Machine came on FSNL as 220kV Ckt I & II from IP to Parparganj tripped
		23.01.14	14:58	26.01.14	18:30	Machine tripped on Rotating diode earth fault alarm on Protection panel.
		26.01.14	18:30	27.01.14	05:50	
		14.02.14	04:20	14.02.14	20:15	Stopped due to low demand and high frequency
		20.02.14	00:06	20.02.14	18:15	
		21.02.14	16:23	21.02.14	17:51	Machine tripped due to loss of excitation
		21.02.14	17:51	27.02.14	14:36	Stopped due to low demand and high frequency
		27.02.14	18:05	28.02.14	15:55	
		28.02.14	22:16	01.03.14	16:25	
		02.03.14	14:22	02.03.14	15:40	Tripped on electrical trouble normal shutdown
		06.03.14	17:59	06.03.14	18:18	Machine tripped due to grid disturbance
		07.03.14	15:20	18.03.14	12:32	Stopped due to low demand and high frequency
		21.03.14	05:25	21.03.14	06:01	Tripped on loss of flame
		27.03.14	16:38	15.04.14	17:50	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	01-04-13	0:00	03-04-13	15:50	Stopped due to low demand and high frequency
		17-04-13	10:40	27-04-13	3:15	
		04-05-13	0:02	06-05-13	14:13	
		07-05-13	13:20	07-05-13	15:55	
		11-05-13	19:32	14-05-13	9:58	
		21-05-13	13:10	21-05-13	17:10	
		30-05-13	3:05	05-06-13	11:58	
		06-06-13	17:04	06-06-13	17:15	Machine came on FSNL due to tripping of 160 MVA Tr-I & II at IP Extension end.
		09-06-13	8:09	09-06-13	9:40	Machine came on FSNL due to tripping of 160 MVA Tr-I & II
		11-06-13	12:45	12-06-13	7:54	Stopped due to low demand and high frequency
		14-06-13	10:20	17-06-13	23:59	
		18-06-13	0:00	19-06-13	21:45	Machine not available due to non availability of 66 KV breaker.
		19-06-13	21:45	21-06-13	9:22	Machine not taken on bar due to less schedule from SLDC.
		24-06-13	14:46	24-06-13	15:30	Stopped due to low demand and high frequency
		28-06-13	9:30	28-06-13	22:00	
		28-06-13	22:00	29-06-13	12:10	Machine not available due to non availability of AC AOP
		02-07-13	12:44	02-07-13	13:05	Machine came on FSNL due to grid disturbance
		17-07-13	11:30	18-07-13	23:27	Stopped due to low demand and high frequency
		22-07-13	10:32	22-07-13	11:02	Machine came on FSNL due to grid disturbance
		24-07-13	10:10	01.08.13	22:55	Stopped due to low demand and high frequency
		03.08.13	10:56	03.08.13	11:58	Machine came on FSNL due to grid disturbance
		04.08.13	12:50	05.08.13	20:05	Stopped due to low demand and high frequency
		10.08.13	13:32	26.08.13	9:10	
		26.08.13	12:12	26.08.13	13:05	Machine came on FSNL due to grid disturbance
		28.08.13	0:32	28.08.13	3:00	due to leakage in ACW line,GT not available
		28.08.13	3:00	28.08.13	5:12	Stopped due to low demand and high frequency
		08.09.13	12:34	11.09.13	11:56	
		12.09.13	12:45	12.09.13	15:05	
		15.09.13	12:37	15.09.13	20:02	
		17.09.13	21:30	19.09.13	09:27	
		21.09.13	14:48	24.09.13	07:40	
		03.10.13	16:55	06.10.13	10:05	
		11.10.13	08:36	11.10.13	10:30	Machine tripped on high exhaust temperature
		18.11.13	14:05	18.11.13	17:45	Tripped to clean air filter
		16.12.13	10:15	20.12.13	19:56	Stopped due to low demand and high frequency
		04.01.14	00:05	04.01.14	12:55	
		07.01.14	21:50	08.01.14	00:20	Due to bursting of PT of 66kV School Lane Ckt-I and tripping of 66kV I/Cs of 160MVA Pr. Txs
		16.01.14	06:45	16.01.14	07:15	Machine came on FSNL as 220 KV Ckt I & II from IP to Parparganj tripped
		16.01.14	07:22	16.01.14	08:24	machine tripped on loss of excitation.
		23.01.14	06:05	23.01.14	16:00	Stopped due to low demand and high frequency
20.02.14	18:56	27.02.14	15:38			
27.02.14	19:04	28.02.14	12:26			

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	06.03.14	17.59	06.03.14	20.37	Machine tripped due to grid disturbance
		06.03.14	21.30	06.03.14	22.10	Machine stopped due to heavy smoke observed from combustion chamber
		06.03.14	22.10	18.03.14	05.45	Stopped due to low demand and high frequency
		18.03.14	05.45	18.03.14	11.50	
		18.03.14	11.57	18.03.14	16.45	
		18.03.14	16.55	21.03.14	18.05	
		21.03.14	18.20	27.03.14	18.30	
		27.03.14	18.30	06.06.14	12.30	Machine is under shutdown for HGPI
5	30	28-04-13	9:34	06-05-13	13:25	Stopped due to low demand and high frequency
		13-05-13	16:48	14-05-13	9:27	
		14-05-13	9:47	18-05-13	10:56	
		24-05-13	18:52	25-05-13	9:55	Tripped due to R-communication link failure alarm & master protective alarm appeared.
		06-06-13	17:04	06-06-13	17:48	FSNI due to tripping of 160 MVA Tr-I & II at IP Extension end.
		09-06-13	8:09	09-06-13	8:54	Machine came on FSNL due to tripping of 160 MVA Tr-I & II
		09-06-13	8:54	10-06-13	7:47	Machine not taken on load due to low schedule from SLDC
		17-06-13	12:17	17-06-13	14:00	Machine tripped due to tripping of 160 MVA Tx-I & II .
		18-06-13	13:53	18-06-13	15:45	Machine tripped at IGV Control trouble and Fire Protection Alarm.
		02-07-13	12:44	02-07-13	13:08	Machine came on FSNL due to Grid disturbance
		06-07-13	10:55	08-07-13	9:15	Stopped due to low demand and high frequency
		08-07-13	11:32	11-07-13	23:00	
		11-07-13	23:00	12-07-13	10:29	Due to Overall diff. operation problem.
		12-07-13	20:42	15-07-13	8:55	Stopped due to low demand and high frequency
		16-07-13	8:29	16-07-13	9:55	Due to MVR problem
		17-07-13	3:00	17-07-13	5:00	
		20-07-13	13:33	23-07-13	21:15	Stopped due to low demand and high frequency
		31-07-13	10:40	31-07-13	10:50	Machine came on FSNL due to grid disturbance
		03.08.13	10:56	03.08.13	11:10	Machine came on FSNL due to grid disturbance
		07.08.13	14:45	08.08.13	21:05	Stopped due to low demand and high frequency
		26.07.13	12:12	26.08.13	12:38	Machine came on FSNL due to grid disturbance
		26.08.13	20:00	27.08.13	11:10	Stopped due to low demand and high frequency
		28.08.13	0:25	28.08.13	2:55	due to leakage in ACW line,GT not available
		30.08.13	22:15	04.09.13	15:00	Stopped due to low demand and high frequency
		02.10.13	00:30	03.10.13	15:15	
		05.10.13	21:14	05.10.13	22:05	Machine tripped due to Grid disturbance
		06.10.13	10:08	07.10.13	07:45	Stopped due to low demand and high frequency
		07.10.13	14:03	16.12.13	10.45	
		23.12.13	12.16	01.1.14	09:35	
		04.01.14	13:46	06.01.14	05:21	
		07.01.14	21:50	07.01.14	23:20	Due to bursting of PT of 66kV School Lane Ckt-I and tripping of 66kV I/Cs of 160MVA Pr. Tx

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	16.01.14	06:45	16.01.14	07:11	Machine came on FSNL as 220 KV Ckt I & II from IP to Parparganj tripped
		20.01.14	11:16	20.01.14	15:22	Stopped due to low demand and high frequency.
		12.02.14	00:02	17.02.14	16:20	
		27.02.14	12:00	27.02.14	20:00	Machine tripped due to grid disturbance
		27.02.14	20:00	28.02.14	15:45	Machine could not be taken on load due to problem in diesel engine
		28.02.14	20:45	07.03.14	14:15	Stopped due to low demand and high frequency
		11.03.14	22:23	11.03.14	22:36	Machine came on FSNL due to grid disturbance
		18.03.14	06:40	27.03.14	10:15	Machine tripped due to grid disturbance
6	30	10-04-13	12:45	10-04-13	16:30	Stopped due to low demand and high frequency
		21-04-13	12:42	22-04-13	10:15	
		28-04-13	9:32	30-04-13	0:40	
		13-05-13	13:00	13-05-13	16:48	Tripped due to heavy jerk observed in control room.
		13-05-13	16:48	14-05-13	10:38	Stopped due to low demand and high frequency
		14-05-13	18:00	21-05-13	11:05	
		29-05-13	10:42	29-05-13	12:30	Machine tripped on Electrical trouble.
		06-06-13	17:04	06-06-13	17:52	Machine came on FSNL due to tripping of 160 MVA Tr-I & II at IP Extension end.
		06-06-13	22:50	07-06-13	12:04	Stopped due to low demand and high frequency
		09-06-13	8:09	09-06-13	8:54	Machine came on FSNL due to tripping of 160 MVA Tr-I & II
		09-06-13	8:54	10-06-13	7:52	Machine not taken on load due to low schedule from SLDC
		14-06-13	8:50	14-06-13	10:05	Stopped due to low demand and high frequency
		17-06-13	12:17	17-06-13	17:10	Machine tripped on Reverse Power relay operated due to tripping of 160 MVA transformer I & II.
		30-06-13	9:07	01-07-13	17:25	Stopped due to low demand and high frequency
		02-07-13	12:44	02-07-13	13:10	Machine came on FSNL due to grid disturbance
		06-07-13	10:50	08-07-13	9:01	Stopped due to low demand and high frequency
		08-07-13	11:37	11-07-13	19:50	
		12-07-13	14:25	15-07-13	6:24	
		20-07-13	13:30	24-07-13	9:25	
		31-07-13	10:40	31-07-13	11:36	
		03.08.13	10:56	03.08.13	11:15	Machine came on FSNL due to grid disturbance
		07.08.13	16:30	08.08.13	20:47	Stopped due to low demand and high frequency
		09.08.13	22:15	10.08.13	12:30	
		26.08.13	12:12	26.08.13	12:18	Machine came on FSNL due to grid disturbance
		26.08.13	19:20	27.08.13	11:45	Stopped due to low demand and high frequency
		28.08.13	0:26	28.08.13	0:30	due to leakage in ACW line,GT not available
		28.08.13	0:30	28.08.13	11:45	Stopped due to low demand and high frequency
		28.08.13	11:45	28.08.13	14:00	Machine not available due to Gas Valve leakage
		28.08.13	14:00	04.09.13	15:15	Stopped due to low demand and high frequency
		17.09.13	21:31	19.09.13	09:30	
05.10.13	21:14	05.10.13	23:02	Machine tripped due to Grid disturbance		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	06.10.13	05:20	08.10.13	07:49	Stopped due to low demand and high frequency
		07.10.13	13:03	31.10.13	23:59	
		1.11.13	00:00	2.11.13	08:32	
		2.11.13	12:55	2.11.13	16:35	
		2.11.13	18:45	16.12.13	07:55	
		23.12.13	12:17	01.01.14	10:15	
		04.01.14	00:05	06.01.14	05:21	
		07.01.14	21:50	08.01.14	01:40	Due to bursting of PT of 66kV School Lane Ckt-I and tripping of 66kV I/Cs of 160MVA Pr. TxS
		16.01.14	06:45	16.01.14	07:17	Machine came on FSNL as 220 KV Ckt I & II from IP to Parparganj tripped
		16.01.14	07:25	16.01.14	08:25	Machine tripped on loss of excitation.
		31.01.14	20:30	01.02.14	15:46	Stopped due to low demand and high frequency.
		11.02.14	20:20	14.02.14	20:15	
		14.02.14	20:15	15.02.14	14:00	Diesel engine speed could not be increased after 1200RPM so machine could not be taken on load
		15.02.14	14:00	17.02.14	11:02	Stopped due to low demand and high frequency.
		20.02.14	00:04	21.02.14	17:51	Machine tripped due to grid disturbance
		27.02.14	12:00	27.02.14	17:04	
		28.02.14	15:15	01.03.14	01:30	Stopped due to low demand and high frequency.
		01.03.14	17:15	05.03.14	22:10	Machine came on FSNL due to grid disturbance
		11.03.14	22:23	11.03.14	22:39	
		16.03.14	19:30	16.03.14	22:10	Machine tripped
18.03.14	06:40	27.03.14	15:05	Stopped due to low demand and high frequency.		
STG-1	30	01-04-13	0:00	01-04-13	9:15	Stopped due to low demand and high frequency
		01-04-13	9:30	01-04-13	11:10	Machine stopped due to inspection of high Vibration
		03-04-13	16:30	09-04-13	8:25	Stopped due to low demand and high frequency
		29-04-13	11:31	30-04-13	2:05	
		07-05-13	16:30	13-05-13	19:15	
		18-05-13	13:25	22-05-13	0:10	
		30-05-13	21:45	18-06-13	23:54	
		28-06-13	10:52	28-06-13	22:00	
		28-06-13	22:00	29-06-13	17:00	
		29-06-13	17:00	01-07-13	21:00	Stopped due to low demand and high frequency
		01-07-13	21:00	01-07-13	23:59	Machine not available due to problem in both BFPs.
		02-07-13	0:00	02-07-13	17:45	Stopped due to low demand and high frequency
		02-07-13	17:45	03-07-13	11:45	Machine not available due to non availability of GTs.
		03-07-13	13:15	08-07-13	10:15	Stopped due to low demand and high frequency
		12-07-13	11:50	15-07-13	13:00	
		17-07-13	11:25	18-07-13	23:15	
		20-07-13	12:10	27-07-13	21:30	
		27-07-13	21:30	28-07-13	0:12	
		28-07-13	0:12	28-07-13	1:55	
		29-07-13	13:55	29-07-13	16:00	
31-07-13	10:40	31-07-13	13:55	Machine tripped due to grid disturbance		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	30	31-07-13	17:30	02.08.13	13:15	Stopped due to low demand and high frequency
		02.08.13	13:15	02.08.13	18:15	Due to oil leakage from Turbine side
		02.08.13	18:15	04.08.13	12:45	Stopped due to low demand and high frequency
		06.08.13	15:29	08.08.13	22:40	
		09.08.13	1:20	25.08.13	23:59	Machine not available due to Non availability of GT#1 and 2
		28.08.13	0:30	28.08.13	3:00	
		28.08.13	3:00	28.08.13	11:45	Stopped due to low demand and high frequency
		28.08.13	11:45	28.08.13	14:10	Leakage in ACW line,GT-1 & 2 not available
		28.08.13	14:00	05.09.13	15:45	Stopped due to low demand and high frequency
		06.09.13	02:13	12.09.13	22:30	
		13.09.13	18:18	07.10.13	17:10	Machine stopped to carry out C&I work
		10.10.13	12:12	10.10.13	13:48	
		11.10.13	09:37	14.10.13	13:58	Stopped due to low demand and high frequency
		14.10.13	21:50	16.10.13	16:58	Machine not available due to problem in normal valve
		23.10.13	23:15	11.02.14	20:07	Stopped due to low demand and high frequency
		17.02.14	16.58	27.02.14	21.02	
		28.02.14	18.06	18.03.14	07.13	Machine tripped on Brg #3 vibration high
		18.03.14	11.55	18.03.14	14.20	
		27.03.14	13.20	15.04.14	23.36	Stopped due to low demand and high frequency
STG-2	30	01.04.13	0:00	01.04.13	11:25	Stopped due to low demand and high frequency
		16.04.13	10:40	22.04.13	11:45	
		23.04.13	12:14	23.04.13	13:09	Machine tripped due to malfunctioning of MS-14 Valve
		27.04.13	5:30	27.04.13	6:15	Machine tripped in the jerk.
		28.04.13	21:46	29.04.13	11:30	Stopped due to low demand and high frequency
		04.05.13	0:02	06.05.13	17:05	
		11.05.13	19:30	14.05.13	13:57	
		19.05.13	1:25	19.05.13	3:05	Machine Tripped on Exhaust pressure high.
		05.06.13	1:01	05.06.13	2:21	due to sudden drop in vaccum.
		06.06.13	17:04	06.06.13	18:55	Machine tripped due to tripping of 160 MVA Tx-I & II at IP Extn end.
		09.06.13	8:09	09.06.13	11:52	GT came on FSNL due to tripping of 160 MVA Tr-I & II.
		10.06.13	11:42	10.06.13	12:50	Machine stopped to attend
		11.06.13	12:45	12.06.13	10:35	Stopped due to low demand and high frequency
		14.06.13	8:45	17.06.13	23:45	
		23.06.13	21:35	23.06.13	23:20	Machine tripped on LLVT tank voltage high alarm
		28.06.13	9:40	28.06.13	23:15	Stopped due to low demand and high frequency
		02.07.13	12:44	02.07.13	14:25	Machine tripped due to grid disturbance.
		17.07.13	11:35	18.07.13	23:20	Stopped due to low demand and high frequency
		22.07.13	9:35	22.07.13	12:40	Machine tripped due to grid disturbance.
		27.07.13	11:07	27.07.13	23:15	Stopped due to low demand and high frequency
		28.07.13	20:07	31.07.13	3:00	
		31.07.13	10:40	31.07.13	17:24	Machine tripped due to grid disturbance.
		03.08.13	10:56	03.08.13	13:07	machine tripped due to Grid disturbance
		04.08.13	12:50	05.08.13	21:35	Stopped due to low demand and high frequency
		10.08.13	13:32	26.08.13	18:39	
		28.08.13	0:32	28.08.13	3:00	Machine not available due to Non availability of GT#3 and 4

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	30	28.08.13	3:00	28.08.13	4:45	Stopped due to low demand and high frequency
		08.09.13	12:37	11.09.13	14:15	
		13.09.13	09:15	13.09.13	11:13	
		21.09.13	14:48	24.09.13	10:20	
		03.10.13	16:55	06.10.13	09:34	
		16.12.13	10:15	20.12.13	21:05	
		07.01.14	21:50	08.01.14	03:55	Due to bursting of PT of 66kV School Lane Ckt-I and tripping of 66kV I/Cs of 160MVA Pr. TxS
		16.01.14	06:45	16.01.14	08:58	Machine came on FSNL as 220 KV Ckt I & II from IP to Pargarganj tripped
		23.01.14	14:58	23.01.14	17:40	Machine tripped due to tripping of GT# 3.
		21.02.14	17:51	27.02.14	20:00	Stopped due to low demand and high frequency.
		27.02.14	20:00	28.02.14	15:05	Machine could not be taken on load due to Problem in ESV
		06.03.14	17:59	06.03.14	18:58	Machine tripped due to grid disturbance
		07.03.14	15:20	18.03.14	05:45	Stopped due to low demand and high frequency
		18.03.14	05:45	18.03.14	11:15	Machine not taken on load
		18.03.14	11:15	18.03.14	15:50	Stopped due to low demand and high frequency
		19.03.14	16:10	19.03.14	17:32	Machine tripped on both boiler trip alarm
		21.03.14	05:25	21.03.14	07:02	Machine tripped due to tripping of G.T.-3
27.03.14	16:45	16.04.14	01:50	Stopped due to low demand and high frequency		
STG-3	30	05-04-13	17:05	05-04-13	18:20	Machine stopped manually to attend oil Leakage from Secondary oil Pressure line
		28-04-13	9:34	30-04-13	4:25	Stopped due to low demand and high frequency
		03-05-13	17:41	03-05-13	19:04	Machine stopped due to problem in drum level indication and level problem.
		13-05-13	13:00	13-05-13	16:48	Tripped due to heavy jerk observed in control room.
		13-05-13	16:48	14-05-13	13:50	Stopped due to low demand and high frequency
		14-05-13	18:00	18-05-13	13:05	
		03-06-13	9:22	03-06-13	10:07	Machine tripped on Hot well very high alarm as the Control valve CD-34 left the auto and closed. Another Stream CD-37 tried to be taken into service, in the mean time machine tripped on hot well high alarm.
		06-06-13	17:04	06-06-13	18:30	Machine tripped as the GT#5 & 6 came on FSNL due to tripping of 160 MVA Tx-I & II at IP Extn end.
		09-06-13	8:09	09-06-13	8:54	Machine tripped as corresponding GT came on FSNL due to tripping of 160 MVA Tr-I & II on Buchholtz relay operated .
		09-06-13	8:54	10-06-13	10:14	Machine not taken on load due to low schedule from SLDC
		15-06-13	1:58	15-06-13	2:58	Tripped due to LLVT tank level high.
		17-06-13	12:17	17-06-13	15:12	Machine tripped due to both GTs tripped due to Tripping of 160 MVA TxS.
		02-07-13	12:44	02-07-13	14:35	Machine tripped due to grid disturbance.
		06-07-13	10:55	08-07-13	10:15	Stopped due to low demand and high frequency
		08-07-13	10:15	11-07-13	23:07	Machine stopped to attend oil leakage from Oil catcher.
		12-07-13	20:42	15-07-13	8:40	Stopped due to low demand and high frequency
		20-07-13	12:37	20-07-13	13:33	Machine tripped manually due to sticking of MS-14 valve and not operating of MS-11 and MS-13 valve.
20-07-13	13:33	24-07-13	2:05	Stopped due to low demand and high frequency		
31-07-13	10:40	31-07-13	12:27	Machine tripped due to grid disturbance.		
03.08.13	10:56	03.08.13	12:02	Machine tripped due to Grid disturbance		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-3	30	07.08.13	16:32	09.08.13	1:12	Stopped due to low demand and high frequency
		17.08.13	11:48	17.08.13	12:45	All the parameters of Turbovisiory and Electronic governor disappeared resulting tripping of steam turbine.
		26.08.13	12:12	26.08.13	13:57	Machine tripped due to Grid disturbance
		26.08.13	18:24	27.08.13	13:48	Stopped due to low demand and high frequency
		28.08.13	0:30	28.08.13	3:00	Machine not available due to Non availability of GT#5 and 6
		28.08.13	3:00	28.08.13	6:30	Stopped due to low demand and high frequency
		30.08.13	22:18	04.09.13	18:00	
		05.10.13	21:14	07.10.13	12:00	Machine tripped due to Grid disturbance and not taken on load due to less demand
		07.10.13	12:00	02.11.13	23:59	Machine not available due to problem in control valve
		02.11.13	18.50	16.12.13	10.59	Stopped due to low demand and high frequency
		23.12.13	12.17	01.01.14	12:30	
		04.01.14	13:50	06.01.14	07:55	Machine stopped as per SLDC message
		07.01.14	21:50	08.01.14	01:58	Due to bursting of PT of SL-1 ckt.machine tripped due to grid disturbance
		12.01.14	13:29	12.01.14	14:24	Machine tripped on False alarm appeared on BCS desk, i.e. Emergency push button Operated.All parameters were normal
		16.01.14	06:45	16.01.14	09:17	Machine Tripped as both GT 3 & 4 came on FSNL due to Grid disturbance
		21.01.14	20:30	21.01.14	21:43	Failure of Communication Module 70BK02 for CII02 Station
		21.01.14	21:53	21.01.14	22:21	Class 'A' (Relay 86GA1& timer for 3242A)
		12.02.14	00.02	13.02.14	23.59	Machine stopped to attend various leakages
		14.02.14	00.00	14.02.14	20.15	Stopped due to low demand and high frequency.
		14.02.14	20.15	15.02.14	14.00	Machine could not be taken on load due to misc. problem
		15.02.14	14.00	17.02.14	15.35	Stopped due to low demand and high frequency.
		27.02.14	12.00	27.02.14	20.42	Machine tripped due to grid disturbance
		28.02.14	15.17	28.02.14	23.59	Stopped due to low demand and high frequency.
		01.03.14	03.15	07.03.14	02.15	Stopped due to low demand and high frequency
		11.03.14	22.23	11.03.14	23.46	Machine tripped as both 160MVA Tr. Tripped
		17.03.14	23.20	25.03.14	15.15	Machine tripped on both boiler trip. High exhaust steam Pr. Anf main steam temperature low alarm
25.03.14	15.15	27.03.14	12.58	Machine available but not taken on load as no schedule SLDC.		

(C) PRAGATI STAGE-I STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	23.05.13	14.29	23.05.13	14.56	Tripped due to Gas Fuel Pr. Low by GAIL
		15.06.13	21.55	17.06.13	9.00	No schedule to run GT#1 on Open Cycle.
		17.06.13	9.00	24.06.13	0.26	Tripped on internal fault
		25.06.13	22.00	26.06.13	2.00	
		26.06.13	2.00	26.06.13	13.42	No schedule of GT#1 in OC due to low demand, HRSG#1 not available-FW104 stuck
		09.07.13	19.03	09.07.13	19.50	Tripped on internal fault
		22.07.13	10.43	22.07.13	12.26	Tripped due to Grid Distrubance
		23.07.13	16.28	23.07.13	19.29	Tripped on internal fault
		03.09.13	13.10	03.09.13	14.14	
		28.09.13	06.01	29.09.13	16.30	Stopped to attend generation winding temprature.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	14.10.13	12.22	14.10.13	12.49	Tripped on internal fault
		17.10.13	12.39	17.10.13	13.47	
		16.12.13	09.59	16.12.13	19:37	Stopped to replace Air Filters of G.T. #1
		06.01.14	07.26	06.01.14	10.20	Tripped due to 125V DC earth fault
		16.01.14	08.28	16.01.14	10.56	Tripped due to grid disturbance
		25.02.14	12.00	26.02.14	19.30	Stopped due to Boroscopic Inspection
		11.03.14	22.28	12.03.14	05.25	Machine tripped due to grid disturbance
		29.03.14	08.32	29.03.14	08.32	Tripped on internal fault
2	104	21.04.13	8.15	21.04.13	18.15	Stopped by DTL to attend hot spot.
		21.04.13	18.15	23.04.13	6.31	Tripped on internal fault
		26.04.13	6.45	26.04.13	8.37	
		14.05.13	13.28	14.05.13	14.13	
		06.06.13	17.10	06.06.13	18.05	Tripped due to Grid Distrubance
		01.07.13	16.02	01.07.13	17.40	Tripped on internal fault
		02.07.13	12.54	02.07.13	13.55	Tripped due to Grid Distrubance
		08.07.13	11.37	08.07.13	12.48	Tripped on internal fault
		22.07.13	10.43	22.07.13	11.52	Tripped due to Grid Distrubance
		03.08.13	10.57	03.08.13	11.08	Tripped due to Grid Distrubance
		15.08.13	10.48	16.08.13	16.31	Stopped due to low demand and high frequency
		26.08.13	12.15	26.08.13	12.26	Tripped due to Grid Distrubance
		28.08.13	6.07	29.08.13	8.53	Stopped due to low demand and high frequency
		29.08.13	20.40	29.08.13	22.30	Tripped on internal fault
		24.09.13	02.34	24.09.13	09.44	Tripped due to grid disturbance
		05.10.13	21.17	05.10.13	22.05	
		15.10.13	13.06	19.10.13	12.19	Tripped on internal fault
		17.12.13	0248	17.12.13	18.13	Stopped to replace Air Filters of G.T. #1
		06.01.14	07.13	10.01.14	12.10	G.T.-#2 unloaded and tripped due to fire in load compartment
		16.01.14	06.56	16.01.14	07.18	Tripped due to grid disturbance
17.01.14	21.58	21.01.14	12.52	Stopped for inspection of exhaust compartment by BGGTSs engineers		
16.03.14	16.40	18.03.14	10.10	Stopped due to low demand and high frequency.		
STG	122	17.04.13	18.37	17.04.13	19.52	Tripped on internal fault
		21.04.13	11.44	21.04.13	14.15	
		21.04.13	14.15	21.04.13	18.36	Shut down contineued by DTL to attend hot spot.
		06.06.13	17.10	06.06.13	18.50	Tripped due to Grid Distrubance
		02.07.13	12.54	02.07.13	15.02	
		09.07.13	19.03	09.07.13	20.15	Tripped on internal fault
		22.07.13	10.43	22.07.13	15.53	Tripped due to Grid Distrubance
		23.07.13	16.28	23.07.13	17.42	Tripped on internal fault
		03.08.13	10.57	03.08.13	11.47	Tripped due to Grid Distrubance
		26.08.13	12.15	26.08.13	13.35	Tripped due to Grid Distrubance
		29.08.13	20.45	29.08.13	22.52	Tripped on internal fault
		03.09.13	13.18	03.09.13	14.25	
		10.09.13	00.34	10.09.13	01.32	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	05.10.13	21.17	05.10.13	23.30	Tripped due to Grid Distrubance
		07.10.13	18.55	10.10.13	09.03	Tripped on internal fault
		17.10.13	12.39	17.10.13	14.31	
		06.01.14	07.26	06.01.14	14.44	Tripped due to both GTs tripped
		16.01.14	06.42	16.01.14	09.07	Tripped due to grid disturbance
		11.03.14	22.38	11.03.14	24.00	STG tripped due to grid disturbance
		12.03.14	00.00	13.03.14	21.38	STG tripped due to grid disturbance but cluld not be started due to rotor ceased
		19.03.14	19.47	19.03.14	23.45	Tripped on internal fault

(D) **BADARPUR THERMAL POWER STATION (BTPS)**

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.13	0:00	01.04.13	19:18	Stopped due to low demand and high frequency
		12.05.13	18:18	12.05.13	21:20	Grid Disturbance
		04.06.13	22:45	05.06.13	23:45	Water Wall tube leakage
		13.06.13	10:58	13.06.13	11:32	Furnace Disturbance
		16.06.13	18:38	21.06.13	14:14	
		09.07.13	20:41	15.07.13	24:00	Stopped due to low demand and high frequency
		19.07.13	3:28	20.07.13	18:14	
		26.07.13	14:36	29.07.13	16:00	
		10.08.13	15:12	10.08.13	16:00	
		10.08.13	17:11	10.08.13	23:15	Furnace Disturbance
		10.08.13	23:15	14.09.13	21:06	Stopped due to low demand and high frequency
		17.09.13	03:13	17.09.13	04:06	
		22.09.13	14:00	22.09.13	15:08	
		22.09.13	23:52	23.09.13	01:00	Furnace Disturbance
		23.09.13	01:00	23.09.13	21:00	Platen Superheater leakage
		23.09.13	21:00	22.10.13	12:54	
		09.11.13	22:34	25.11.13	02:15	Stopped due to low demand and high frequency
		28.11.13	23:57	12.12.13	11:00	
		20.12.13	00:00	01.01.14	08:55	
11.01.14	14:38	11.01.14	16:42	Tripped on DC earth fault		
11.01.14	16:42	13.01.14	05:59			
12.02.14	18:24	03.03.14	20:59	Stopped due to low demand and high frequency		
2	95	12.05.13	18:18	12.05.13	20:07	Grid Disturbance
		28.06.13	10:32	28.07.13	9:56	
		08.08.13	11:01	10.08.13	22:09	Stopped due to low demand and high frequency
		23.08.13	13:14	23.08.13	14:15	Furnace Disturbance
		21.09.13	19:57	23.09.13	19:49	Stopped due to low demand and high frequency
		02.10.13	07:50	02.10.13	08:40	
		02.10.13	09:21	02.10.13	10:01	Furnace Disturbance
		02.10.13	11:07	04.10.13	00:12	Superheater leakage
		04.11.13	19:52	24.11.13	20:50	Stopped due to low demand and high frequency
		28.11.13	09:16	28.11.13	14:23	GT Overall Differential
		05.12.13	17:49	20.12.13	17:17	
		01.01.14	08:35	10.01.14	20:53	
		21.01.14	22:10	27.01.14	08:55	
		12.02.14	12:01	03.03.14	23:13	Stopped due to low demand and high frequency
24.03.14	15:03	24.03.14	20:57	AVR & Excitation system problem		

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	03.04.13	19:55	22.04.13	13:40	Planned Shutdown
		12.05.13	18:18	12.05.13	20:20	Grid Disturbance
		26.05.13	12:41	27.05.13	12:58	Economiser Tube leakage
		13.06.13	10:40	18.06.13	12:04	Stopped due to low demand and high frequency
		04.07.13	5:45	04.07.13	7:06	Furnace Disturbance
		18.07.13	11:39	19.07.13	2:48	Stopped due to low demand and high frequency
		01.08.13	21:28	02.08.13	13:43	Water Wall tube leakage
		03.08.13	3:45	03.08.13	6:14	
		03.08.13	17:10	03.08.13	18:02	
		06.08.13	11:15	06.08.13	11:56	Furnace Disturbance
		07.08.13	11:40	15.09.13	07:21	Stopped due to low demand and high frequency
		19.09.13	05:19	19.09.13	06:50	
		19.09.13	21:01	19.09.13	21:42	
		28.09.13	10:05	28.09.13	19:22	Furnace Disturbance
		02.10.13	00:08	03.10.13	05:28	Stopped due to low demand and high frequency
		08.10.13	19:16	08.10.13	20:32	Furnace Disturbance
		09.10.13	22:20	10.10.13	00:49	HT motor problem- feed pump drive
		11.10.13	17:15	16.10.13	18:40	Stopped due to low demand and high frequency
		22.10.13	14:04	22.10.13	14:42	
		31.10.13	21:22	31.10.13	22:03	
		10.11.13	10:13	10.11.13	11:22	Furnace Disturbance
		18.11.13	05:40	18.11.13	06:35	Furnace Disturbance
		18.11.13	18:38	18.11.13	19:48	Furnace Disturbance
		21.11.13	06:39	21.11.13	07:21	Furnace Disturbance
		22.11.13	00:05	20.01.14	04:17	
		25.01.14	23:03	10.02.14	14:16	
11.03.14	01:10	11.03.14	21:15	Economizer tube leakage		
11.03.14	21:15	01.05.14	1355	Stopped due to low demand and high frequency		
4	210	09.04.13	22:17	10.04.13	2:07	MDBFP relay malfunction
		12.05.13	18:18	12.05.13	21:35	Grid Disturbance
		25.05.13	7:28	23.05.13	15:34	UAT 4A diff relay casing shorted
		11.06.13	15:35	13.06.13	07:48	Stopped due to low demand and high frequency
		10.08.13	10:24	10.08.13	13:40	AVR & Excitation system
		14.09.13	04:34	15.09.13	23:01	Water Wall tube leakage
		25.11.13	03:58	28.11.13	11:07	ID Fan 4B impeller shaft replaced
		11.12.13	23:24	17.12.13	23:16	Boiler tube leakage
		10.02.14	06:08	11.02.14	15:15	Water wall tube leakage
		11.02.14	15:15	12.02.14	07:17	3.3/6.6/11kV Bus/Breaker problem
5	210	09.05.13	0:06	09.05.13	15:57	APH 5B NDE Bearing vibration high
		11.05.13	19:48	14.05.13	12:17	Stopped due to low demand and high frequency
		16.06.13	15:58	16.06.13	17:09	CW Shortage
		24.06.13	16:23	24.06.13	17:45	Furnace Disturbance
		24.06.13	18:04	24.06.13	19:03	
		27.06.13	14:20	27.06.13	18:31	AVR & Excitation System
		04.07.13	0:12	04.07.13	1:15	Furnace Disturbance

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	27.07.13	19:16	30.07.13	1:24	Steam Cooled W/Wall leakage
		01.08.13	20:43	02.08.13	18:30	Drum manhole leakage
		14.08.13	19:00	15.08.13	10:15	Water Wall tube leakage
		15.08.13	10:15	16.08.13	7:13	Stopped due to low demand and high frequency
		04.09.13	13:23	06.09.13	09:11	Water Wall tube leakage
		06.09.13	13:39	07.09.13	21:32	Economiser Tube leakage
		04.10.13	14:37	05.10.13	17:55	Stopped due to low demand and high frequency
		07.10.13	03:48	08.10.13	23:48	3.3/6.6/11KV Bus breaker problem
		23.10.13	00:50	20.11.13	18:42	Planned shutdown
		21.11.13	08:00	21.11.13	19:35	Shutdown of main GT Transformer
		07.12.13	14:50	07.12.13	18:47	To attend hot spot at bushing clamp
		08.12.13	14:39	08.12.13	17:38	To attend hot spot
		13.01.14	12:30	13.01.14	19:51	Generator transformer Y phase busing temp. high
		28.01.14	12:06	30.01.14	15:05	Boiler tube leakage
04.03.14	00:30	05.03.14	01:07	Stopped for electrical testing		
20.03.14	17:52	20.03.14	20:08	PA Fan motor problem		

(E) **BAWANA CCGT POWER STATION**

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	01.04.13	00:00	01.04.13	8:39	Combustion inspection
		05.04.13	10:55	21.04.13	23:59	M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting
		19.06.13	00:26	19.06.13	02:42	G.T. -1 tripped due to Hot gas temp high.
		20.06.13	20:42	05.08.13	09:10	Stopped due to low demand and high frequency
		19.08.13	14:27	26.08.13	11:54	Stopped due to low demand and high frequency
		25.09.13	12:05	10.06.14	18:34	
2	216	05.04.13	13:13	12.04.13	19:02	M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting up to 12.04.13
		14.04.13	13:40	25.04.13	08:57	Stopped due to low demand and high frequency
		29.04.13	22:25	30.04.13	06:25	M/C Stopped due to gas leakage in pipe line
		07.05.13	20:38	08.05.13	0:26	CW Pump Motor Failure
		29.05.13	13:57	29.05.13	15:30	GT#2 tripped on EPB press by default
		03.06.13	10:54	03.06.13	13:53	GT #2 tripped due to its rotor earth fault
		06.06.13	22:50	10.06.13	12:38	Stopped due to low demand and high frequency
		13.06.13	08:14	20.06.13	18:33	Stopped due to low demand and high frequency
		21.06.13	08:21	21.06.13	12:54	GT #2 tripped due to difference in G-1 feedback
		30.06.13	14:16	30.06.13	14:58	GT#2 Tripped on Excitation tripping
		12.07.13	15:00	03.10.13	13:22	Stopped due to low demand and high frequency
		03.10.13	16:07	07.10.13	14:48	
10.10.13	15:56	10.10.13	17:10	Tripped due to isolation of LPC 02		
11.10.13	10:40	29.04.14	16:10	Stopped due to low demand and high frequency		
3	216	28.10.13	00:00	30.06.14	23:59	Commissioned on 28.10.13 and Stopped due to low demand and high frequency
4	216	27.02.14	00:00			Commissioned on 27.02.14 and Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	01.04.13	0:00	27.04.13	19:19	M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting up to 12.04.13 after force shutdown due to bearing failure of turbine up to 25.04.13 and 25.04.13 to 27.04.13 due to generator IR value low
		29.04.13	22:25	30.04.13	6:25	M/C Stopped due to gas leakage in pipe line
		30.04.13	22:07	30.04.13	23:37	GT#2 Diverted damper is closed
		07.05.13	20:35	08.05.13	3:12	CW Pump A Motor Failure
		08.05.13	11:57	08.05.13	13:19	CW Pump B Motor winding temperature increased up to threshold limit
		29.05.13	13:57	29.05.13	16:50	STG trip on GT trip
		03.06.13	10:54	03.06.13	15:57	
		06.06.13	22:50	10.06.13	17:50	Stopped due to low demand and high frequency
		13.06.13	08:16	19.06.13	09:10	
		21.06.13	08:21	21.06.13	13:00	STG trip on GT trip
		27.06.13	18:01	27.06.13	18:42	GT#2 Diverted damper is closed
		29.06.13	17:31	29.06.13	18:29	CW Pump B Discharge valve closed
		30.06.13	14:16	30.06.13	15:34	STG trip on GT trip
		12.07.13	15:00	05.08.13	11:58	Stopped due to low demand and high frequency
		19.08.13	14:29	26.08.13	17:41	
		31.08.13	12:52	31.08.13	14:12	STG tripped on internal fault
25.09.13	12:00	07.10.13	20:20	Stopped due to low demand and high frequency		
10.10.13	15:56	10.10.13	18:06	Tripped due to tripping of GT-2		
11.10.13	10:50	31.03.14	23:59	Stopped due to low demand and high frequency		
STG-2	254	27.03.14	00:00			Commissioned on 27.03.14 and Stopped due to low demand and high frequency

(E) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	STILL OUT		Non availability of gas

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	05.03.13	15:38	07.06.13	12:05	Non availability of gas
		07.06.13	22:41	STILL OUT		

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	27.02.13	00:01	07.06.13	17:40	Non availability of gas
		07.06.13	22:38	STILL OUT		Non availability of gas

9. POWER SUPPLY POSITION OF DELHI DURING 2013-14

9.1 Power supply position during the month of April 2013

All figures in MUs

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	76.589	74.703	50.483	49.240
2	RIHAND-I	61.572	60.058	43.857	42.777
3	RIHAND-II	84.280	82.204	57.880	56.454
4	RIHAND-III	34.310	33.463	34.123	33.280
5	UNCHAHAAR-I	15.254	14.880	14.776	14.413
6	UNCHAHAAR-II	32.503	31.703	31.723	30.943
7	UNCHAHAAR-III	4.384	4.274	4.212	4.106
8	DADRI(TH)	470.902	459.338	441.236	430.406
9	DADRI(TH)- Stage-II	493.640	481.498	396.111	386.372
10	FARAKA	12.184	11.885	12.136	11.838
11	KHELGAON	24.080	23.488	23.757	23.172
12	KHELGAON-II	38.104	37.163	37.691	36.760
13	ANTA(GT)	21.573	21.042	12.559	12.251
14	ANTA(Liquid)	7.974	7.778	0.000	0.000
15	ANTA(RLNG)	0.000	0.000	0.000	0.000
16	AURAIYA(GT)	18.789	18.327	9.991	9.746
17	AURAIYA(Liquid)	30.407	29.659	0.000	0.000
18	AURAIYA(RLNG)	0.000	0.000	0.000	0.000
19	DADRI(GT)	31.104	30.338	17.071	16.652
20	DADRI(Liquid)	31.295	30.526	0.000	0.000
21	DADRI (RLNG)	0.000	0.000	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	3.661	3.571	3.661	3.571
A	TOTAL NTPC(TOTAL 1 to 23)	1492.605	1455.897	1191.267	1161.982
	NHPC STATIONS				
24	TANAKPUR	1.783	1.739	1.461	1.425
25	CHAMERA-I	12.600	12.290	9.166	8.940
26	CHAMERA-II	13.531	13.198	9.626	9.390
27	CHAMERA-III	4.783	4.665	4.783	4.665
29	B/SUIL	6.973	6.802	5.584	5.447
28	SALAL	26.153	25.510	21.711	21.178
30	DAULI GANGA	6.792	6.625	5.714	5.573
31	DULASTI	18.541	18.085	15.691	15.306
32	URI(HEP)	38.214	37.274	30.448	29.699
33	URI(HEP)-II	0.000	0.000	0.000	0.000
34	SEWA -II	8.615	8.404	6.880	6.711
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	137.986	134.592	111.064	108.334
	TEHRI HYDRO				
36	TEHRI	19.524	19.044	19.524	19.044
37	KOTESHWAR	8.164	7.964	8.164	7.964
C	Total THDC (36+37)	27.688	27.008	27.688	27.008

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
	ATOMIC POWER STATIONS				
38	NAPP	16.337	15.933	16.337	15.933
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	39.351	38.383	39.351	38.383
D	TOTAL NPC (38 TO 40)	55.688	54.316	55.688	54.316
E	NATHPA JHAKHRI(SJVNL)	42.412	41.368	42.412	41.368
F	JHAJJAR	139.071	135.654	11.920	11.628
G	SASAN	0.765	0.747	0.765	0.747
H	Total Central Sector (A+B+C+D+E+F+G)	1896.216	1849.581	1440.804	1405.383
	BILATERAL IMPORT				
vii)	MADHYA PRADESH	0.298	0.293	0.293	0.286
viii)	HARYANA(FOR NDPL) LT-05	28.059	27.737	27.737	27.055
ix)	HARYANA	0.286	0.283	0.283	0.276
x)	UTTAR PRADESH	36.232	35.751	35.751	34.872
xi)	URS	1.786	1.743	1.786	1.743
xii)	MAHARASHTRA	0.371	0.364	0.364	0.355
xiii)	DVC	167.626	165.695	165.695	161.609
xiv)	DVC CTPS (BRPL)	1.100	1.087	1.087	1.060
xv)	DVC CTPS (BYPL)	6.881	6.802	6.802	6.634
xvii)	DVC METHON (NDPL)LT-06	188.903	186.732	186.732	182.134
xviii)	DVC MEJIA (LT-O8) BYPL	83.863	82.900	82.900	80.861
xix)	DVC HARYANA (LT-O9)	8.278	8.183	8.183	7.981
xx)	WEST BENGAL	7.562	7.476	7.476	7.292
xxiv)	PUNJAB	45.996	45.525	45.525	44.406
xxv)	HIMACHAL PRADESH	0.624	0.617	0.617	0.602
xxvi)	JAMMU & KASHMIR	35.572	35.206	35.206	34.340
xxvii)	POWER EXCHANGE(IEEX)	3.341	3.258	3.341	3.258
xxviii)	POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
I	TOTAL IMPORT	616.777	609.653	609.779	594.764
J	TOTAL ELECTRICAL ENERGY IMPORT	2512.993	2459.234	2050.583	2000.147
	EXPORT				
v)	GUJRAT	-29.646	-30.182	-30.182	-30.942
vi)	UTTAR PRADESH	-39.105	-39.629	-39.629	-40.627
xi)	CHANDIGARH	-2.812	-2.841	-2.841	-2.912
xvii)	TRIPURA	-11.361	-11.522	-11.522	-11.812
xix)	MEGHALAYA	-3.674	-3.747	-3.747	-3.839
xx)	HIMACHAL PRADESH	-0.390	-0.394	-0.394	-0.404
xxiii)	WEST BENGAL	-21.344	-21.592	-21.592	-22.137
xxiv)	UTTRANCHAL	-59.331	-60.313	-60.313	-61.835
xxvi)	TO POWER EXCHANGE (IEEX)	-337.402	-345.932	-337.402	-345.932
xxvii)	TO POWER EXCHANGE (PX)	-4.766	-4.887	-4.766	-4.887

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
xxviii)	TO SHARE PROJECT (HARYANA)	-0.602	-0.617	-0.602	-0.617
xxix)	TO POWER EXCHANGE (PUNJAB)	-0.926	-0.950	-0.926	-0.950
K	TOTAL EXPORT	-511.360	-522.607	-513.917	-526.895
L	Net Drawal	2001.633	1936.628	1536.667	1473.251
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-83.137
	<u>AVAILABILITY WITHIN DELHI</u>				
i)	RPH				79.483
ii)	GT				129.320
iii)	PRAGATI				201.473
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				19.378
vi)	Timarpur - Okhla Waste Management				10.090
viii)	IMPORT FROM BTPS				372.593
x)	TOTAL DELHI GENERAITON				812.337
xi)	RENEWABLE SOLAR (NDPL)				0.226454
xii)	RENEWABLE SOLAR (BRPL)				0.127670
xiii)	RENEWABLE SOLAR (BYPL)				0.000000
xiv)	RENEWABLE SOLAR (NDMC)				0.000
xv)	NON SOLAR (BRPL)				10.099879
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				10.454
N	TOTAL AVAILABILITY				822.791
O	TOTAL CONSUMPTION				2212.905
P	LOAD SHEDDING				7.160
Q	REQUIREMENT				2198.698
R	% DEPENDENCE ON GRID				66.58
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				21.367
T	NET CONSUMPTION OF DELHI				2191.538

9.2 Power supply position during the month of May 2013

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	96.936	94.389	93.255	90.805
2	RIHAND-I	68.047	66.258	61.878	60.252
3	RIHAND-II	89.585	87.230	83.121	80.936
4	RIHAND-III	39.413	38.379	37.612	36.626
5	UNCHAHAR-I	16.484	16.050	14.164	13.791
6	UNCHAHAR-II	32.911	32.045	28.946	28.185
7	UNCHAHAR-III	18.695	18.204	16.376	15.946
8	DADRI(TH)	512.107	498.629	449.412	437.589
9	DADRI(TH)- Stage-II	491.927	478.986	455.632	443.652
10	FARAKA	12.040	11.724	11.720	11.413
11	KHELGAON	31.744	30.909	25.998	25.315
12	KHELGAON-II	75.251	73.274	67.468	65.696

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
13	ANTA(GT)	17.457	16.999	7.710	7.506
14	ANTA(Liquid)	11.865	11.552	0.000	0.000
15	ANTA(RLNG)	0.064	0.062	0.000	0.000
16	AURAIYA(GT)	16.982	16.537	5.555	5.409
17	AURAIYA(Liquid)	32.968	32.099	0.000	0.000
18	AURAIYA(RLNG)	0.065	0.063	0.000	0.000
19	DADRI(GT)	28.421	27.675	9.151	8.909
20	DADRI(Liquid)	36.454	35.495	0.000	0.000
21	DADRI (RLNG)	0.000	0.000	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	9.267	9.024	9.267	9.024
A	TOTAL NTPC(TOTAL 1 to 23)	1638.682	1595.584	1377.264	1341.053
	NHPC STATIONS				
24	TANAKPUR	4.740	4.616	4.632	4.510
25	CHAMERA-I	22.299	21.711	21.773	21.199
26	CHAMERA-II	25.429	24.759	24.905	24.249
27	CHAMERA-III	17.403	16.944	17.023	16.575
29	B/SUIL	9.092	8.853	8.894	8.660
28	SALAL	46.053	44.839	45.086	43.898
30	DAULI GANGA	16.546	16.109	16.078	15.654
31	DULASTI	34.493	33.585	33.841	32.950
32	URI(HEP)	39.205	38.174	38.517	37.505
33	URI(HEP)-II	0.000	0.000	0.000	0.000
34	SEWA -II	8.468	8.246	8.315	8.097
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	223.730	217.835	219.065	213.297
	TEHRI HYDRO				
36	TEHRI	25.338	24.670	25.338	24.670
37	KOTESHWAR	10.095	9.829	10.095	9.829
C	Total THDC (36+37)	35.433	34.499	35.433	34.499
	ATOMIC POWER STATIONS				
38	NAPP	23.723	23.099	23.723	23.099
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	38.644	37.629	38.644	37.629
D	TOTAL NPC (38 TO 40)	62.367	60.728	62.367	60.728
E	NATHPA JHAKHRI(SJVNL)	88.038	85.717	88.038	85.717
F	JHAJJAR	74.571	72.616	12.125	11.805
G	SASAN	0.000	0.000	0.000	0.000
H	Total Central Sector (A+B+C+D+E+F+G)	2122.820	2066.980	1794.292	1747.098
	BILATERAL IMPORT				
ii)	GUJRAT	2.471	2.431	2.431	2.367
viii)	HARYANA(FOR NDPL) LT-05	30.902	30.564	30.564	29.760
x)	UTTAR PRADESH	8.504	8.385	8.385	8.165
xi)	URS	42.704	41.577	42.704	41.577

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
xiii)	DVC	219.204	216.718	216.718	211.004
xiv)	DVC CTPS (BRPL)	1.949	1.928	1.928	1.876
xv)	DVC CTPS (BYPL)	3.003	2.969	2.969	2.891
xvii)	DVC METHON (NDPL)LT-06	194.504	192.286	192.286	187.226
xviii)	DVC MEJIA (LT-08) BYPL	81.626	80.701	80.701	78.573
xix)	DVC HARYANA (LT-09)	8.944	8.842	8.842	8.610
xxiii)	ORISSA	65.167	64.440	64.440	62.738
xxv)	HIMACHAL PRADESH	42.729	42.262	42.262	41.147
xxvi)	JAMMU & KASHMIR	135.330	133.853	133.853	130.334
xxvii)	POWER EXCHANGE(IEX)	0.651	0.634	0.651	0.634
xxviii)	POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
I	TOTAL IMPORT	837.689	827.590	828.734	806.899
J	TOTAL ELECTRICAL ENERGY IMPORT	2960.510	2894.569	2623.025	2553.997
	EXPORT				
i)	RAJASTHAN	-0.407	-0.413	-0.413	-0.425
vi)	UTTAR PRADESH	-17.548	-17.795	-17.795	-18.272
xxv)	TO HARYANA	-0.839	-0.851	-0.851	-0.874
xxvi)	TO POWER EXCHANGE (IEX)	-354.541	-364.001	-354.541	-364.001
xxvii)	TO POWER EXCHANGE (PX)	-15.100	-15.508	-15.100	-15.508
xxviii)	TO SHARE PROJECT (HARYANA)	-9.466	-9.720	-9.466	-9.720
xxix)	TO POWER EXCHANGE (PUNJAB)	-14.180	-14.559	-14.180	-14.559
K	TOTAL EXPORT	-412.081	-422.848	-412.346	-423.359
L	Net Drawal	2548.428	2471.721	2210.678	2130.638
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-133.322
	AVAILABILITY WITHIN DELHI				
i)	RPH				58.679
ii)	GT				108.815
iii)	PRAGATI				214.268
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				174.562
vi)	Timarpur - Okhla Waste Management				8.850
viii)	IMPORT FROM BTPS				391.558
x)	TOTAL DELHI GENERAITON				956.732
xi)	RENEWABLE SOLAR (NDPL)				0.182132
xii)	RENEWABLE SOLAR (BRPL)				0.133023
xiii)	RENEWABLE SOLAR (BYPL)				0.014488
xiv)	RENEWABLE SOLAR (NDMC)				0.000
xv)	NON SOLAR (BRPL)				8.857697
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				9.187
N	TOTAL AVAILABILITY				965.919
O	TOTAL CONSUMPTION				2963.236
P	LOAD SHEDDING				8.250
Q	REQUIREMENT				2946.853
R	% DEPENDENCE ON GRID				71.90
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				24.633
T	NET CONSUMPTION OF DELHI				2938.603

9.3 Power supply position during the month of June 2013

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	97.993	95.426	89.174	86.835
2	RIHAND-I	51.509	50.177	43.631	42.501
3	RIHAND-II	81.613	79.477	71.117	69.252
4	RIHAND-III	38.645	37.628	34.802	33.886
5	UNCHAHAR-I	16.400	15.970	12.937	12.598
6	UNCHAHAR-II	18.222	17.746	14.567	14.187
7	UNCHAHAR-III	19.739	19.222	15.929	15.513
8	DADRI(TH)	518.756	505.174	402.817	392.261
9	DADRI(TH)- Stage-II	508.732	495.416	439.075	427.574
10	FARAKA	11.600	11.294	10.660	10.379
11	KHELGAON	33.086	32.219	25.149	24.486
12	KHELGAON-II	106.239	103.455	91.393	88.994
13	ANTA(GT)	14.897	14.513	7.864	7.659
14	ANTA(Liquid)	13.659	13.298	0.097	0.094
15	ANTA(RLNG)	1.344	1.306	0.000	0.000
16	AURAIYA(GT)	19.832	19.306	7.711	7.506
17	AURAIYA(Liquid)	28.924	28.173	0.357	0.348
18	AURAIYA(RLNG)	0.007	0.007	0.000	0.000
19	DADRI(GT)	37.202	36.221	17.022	16.570
20	DADRI(Liquid)	25.159	24.506	0.059	0.057
21	DADRI (RLNG)	0.000	0.000	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	18.092	17.619	18.092	17.619
A	TOTAL NTPC(TOTAL 1 to 23)	1661.648	1618.152	1302.454	1268.319
	NHPC STATIONS				
24	TANAKPUR	4.834	4.711	4.834	4.711
25	CHAMERA-I	30.372	29.576	30.372	29.576
26	CHAMERA-II	29.386	28.617	29.386	28.617
27	CHAMERA-III	20.885	20.338	20.885	20.338
29	B/SUIL	8.794	8.565	8.794	8.565
28	SALAL	52.272	50.900	52.272	50.900
30	DAULI GANGA	13.408	13.072	13.408	13.072
31	DULASTI	33.226	32.356	33.226	32.356
32	URI(HEP)	37.381	36.402	37.381	36.402
33	URI(HEP)-II	0.000	0.000	0.000	0.000
34	SEWA -II	5.763	5.614	5.763	5.614
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	236.321	230.149	236.321	230.149
	TEHRI HYDRO				
36	TEHRI	43.424	42.277	43.424	42.277
37	KOTESHWAR	19.140	18.636	19.140	18.636
C	Total THDC (36+37)	62.564	60.913	62.564	60.913
	ATOMIC POWER STATIONS				
38	NAPP	22.731	22.135	22.731	22.135
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	38.101	37.104	38.101	37.104
D	TOTAL NPC (38 TO 40)	60.832	59.239	60.832	59.239

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
E	NATHPA JHAKHRI(SJVNL)	89.379	87.054	89.379	87.054
F	JHAJJAR	73.076	71.126	9.942	9.681
G	SASAN	0.000	0.000	0.000	0.000
H	Total Central Sector (A+B+C+D+E+F+G)	2183.819	2126.635	1761.491	1715.356
	BILATERAL IMPORT				
i)	RAJASTHAN	0.154	0.152	0.152	0.148
ii)	GUJRAT	17.573	17.278	17.278	16.833
iii)	ASSAM	7.161	7.067	7.067	6.874
iv)	TRIPURA	0.177	0.175	0.175	0.170
vii)	MADHYA PRADESH	3.918	3.848	3.848	3.745
viii)	HARYANA(FOR NDPL) LT-05	17.220	17.031	17.031	16.589
xi)	URS	57.815	56.299	57.815	56.299
xiii)	DVC	223.031	220.441	220.441	214.651
xvii)	DVC METHON (NDPL)LT-06	176.588	174.538	174.538	169.970
xviii)	DVC MEJIA (LT-08) BYPL	77.122	76.228	76.228	74.230
xix)	DVC HARYANA (LT-09)	7.818	7.726	7.726	7.522
xx)	WEST BENGAL	29.944	29.595	29.595	28.829
xxiii)	ORISSA	124.565	123.112	123.112	119.885
xxv)	HIMACHAL PRADESH	53.443	52.850	52.850	51.454
xxvi)	JAMMU & KASHMIR	139.885	138.348	138.348	134.724
xxvii)	POWER EXCHANGE(IEX)	0.535	0.521	0.535	0.521
xxviii)	POWER EXCHANGE (PX)	0.069	0.067	0.069	0.067
I	TOTAL IMPORT	937.017	925.277	926.808	902.509
J	TOTAL ELECTRICAL ENERGY IMPORT	3120.836	3051.911	2688.300	2617.865
	EXPORT				
i)	RAJASTHAN				
ii)	ASSAM	-0.194	-0.197	-0.197	-0.202
v)	GUJRAT	-0.452	-0.461	-0.461	-0.473
vi)	UTTAR PRADESH	-20.414	-20.705	-20.705	-21.265
xiii)	ANDHRA PRADESH	-0.176	-0.179	-0.179	-0.184
xv)	KERALA	-15.604	-15.966	-15.966	-16.393
xx)	HIMACHAL PRADESH	-0.676	-0.684	-0.684	-0.703
xxi)	MAHARASHTRA	-1.291	-1.322	-1.322	-1.359
xxv)	TO HARYANA	-28.398	-28.800	-28.800	-29.575
xxvi)	TO POWER EXCHANGE (IEX)	-236.374	-242.793	-236.374	-242.793
xxvii)	TO POWER EXCHANGE (PX)	-7.807	-8.013	-7.807	-8.013
xxviii)	TO SHARE PROJECT (HARYANA)	-5.346	-5.490	-5.346	-5.490
xxix)	TO POWER EXCHANGE (PUNJAB)	-5.692	-5.844	-5.692	-5.844
K	TOTAL EXPORT	-322.423	-330.454	-323.533	-332.295
L	Net Drawal	2798.413	2721.457	2364.766	2285.570
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-117.397
	AVAILABILITY WITHIN DELHI				
i)	RPH				57.689
ii)	GT				100.100

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
iii)	PRAGATI				175.422
iv)	RITHALA				0.222
v)	BAWANA (CCGT)				95.428
vi)	Timarpur - Okhla Waste Management				7.377
viii)	IMPORT FROM BTPS				360.546
x)	TOTAL DELHI GENERAITON				796.784
xi)	RENEWABLE SOLAR (NDPL)				0.208622
xii)	RENEWABLE SOLAR (BRPL)				0.084262
xiii)	RENEWABLE SOLAR (BYPL)				0.030134
xiv)	RENEWABLE SOLAR (NDMC)				0.000
xv)	NON SOLAR (BRPL)				7.377040
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				7.700
N	TOTAL AVAILABILITY				804.484
O	TOTAL CONSUMPTION				2972.657
P	LOAD SHEDDING				15.297
Q	REQUIREMENT				2965.248
R	% DEPENDENCE ON GRID				76.89
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				22.706
T	NET CONSUMPTION OF DELHI				2949.951

9.4 Power supply position during the month of July 2013

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	99.905	97.268	95.065	92.555
2	RIHAND-I	54.483	53.061	49.567	48.273
3	RIHAND-II	83.776	81.561	74.260	72.295
4	RIHAND-III	46.020	44.808	43.083	41.948
5	UNCHAHAR-I	16.861	16.416	13.858	13.493
6	UNCHAHAR-II	33.432	32.551	28.474	27.724
7	UNCHAHAR-III	20.569	20.027	17.590	17.126
8	DADRI(TH)	542.376	528.082	446.518	434.761
9	DADRI(TH)- Stage-II	525.510	511.664	472.342	459.907
10	FARAKA	13.853	13.489	12.847	12.510
11	KHELGAON	25.648	24.973	23.235	22.624
12	KHELGAON-II	110.221	107.316	106.689	103.878
13	ANTA(GT)	23.984	23.353	22.652	22.057
14	ANTA(Liquid)	6.110	5.948	0.000	0.000
15	ANTA(RLNG)	0.000	0.000	0.000	0.000
16	AURAIYA(GT)	23.020	22.411	20.327	19.792
17	AURAIYA(Liquid)	23.871	23.241	0.000	0.000
18	AURAIYA(RLNG)	0.000	0.000	0.000	0.000
19	DADRI(GT)	35.362	34.435	33.239	32.370
20	DADRI(Liquid)	28.932	28.165	0.485	0.473

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
21	DADRI (RLNG)	0.000	0.000	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	23.006	22.399	23.006	22.399
A	TOTAL NTPC(TOTAL 1 to 23)	1736.937	1691.167	1483.238	1444.185
	NHPC STATIONS				
24	TANAKPUR	6.207	6.045	6.207	6.045
25	CHAMERA-I	29.175	28.405	29.175	28.405
26	CHAMERA-II	29.519	28.742	29.519	28.742
27	CHAMERA-III	21.444	20.879	21.444	20.879
29	B/SUIL	6.833	6.653	6.833	6.653
28	SALAL	54.264	52.832	54.264	52.832
30	DAULI GANGA	0.000	0.000	0.000	0.000
31	DULASTI	36.101	35.149	36.101	35.149
32	URI(HEP)	31.088	30.262	31.088	30.262
33	URI(HEP)-II	0.000	0.000	0.000	0.000
34	SEWA -II	4.454	4.338	4.334	4.221
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	219.084	213.304	218.964	213.187
	TEHRI HYDRO				
36	TEHRI	67.102	65.338	67.102	65.338
37	KOTESHWAR	24.080	23.445	24.080	23.445
C	Total THDC (36+37)	91.181	88.783	91.181	88.783
	ATOMIC POWER STATIONS				
38	NAPP	14.514	14.130	14.514	14.130
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	23.007	22.398	23.007	22.398
D	TOTAL NPC (38 TO 40)	37.521	36.529	37.521	36.529
E	NATHPA JHAKHRI(SJVNL)	107.119	104.299	107.119	104.299
F	JHAJJAR	125.348	122.047	21.411	20.844
G	SASAN	0.000	0.000	0.000	0.000
H	Total Central Sector (A+B+C+D+E+F+G)	2317.190	2256.129	1959.433	1907.828
	BILATERAL IMPORT				
i)	RASJASTHAN	131.485	130.034	130.034	126.600
ii)	GUJRAT	0.308	0.304	0.304	0.296
iii)	ASSAM	32.522	32.106	32.106	31.259
iv)	TRIPURA	14.576	14.434	14.434	14.052
vi)	WEST BENGAL	99.129	98.276	98.276	95.679
vii)	MADHYA PRADESH	107.514	105.970	105.970	103.146
viii)	HARYANA(FOR NDPL) LT-05	5.969	5.900	5.900	5.739
xii)	DVC	230.093	227.421	227.421	221.427
xvii)	DVC METHON (NDPL)LT-06	106.467	105.232	105.232	102.448
xviii)	DVC MEJIA (LT-08) BYPL	75.452	74.577	74.577	72.608
xix)	DVC HARYANA (LT-09)	8.294	8.197	8.197	7.981
xxiii)	ORISSA	107.019	105.492	105.492	102.751
xxv)	HIMACHAL PRADESH	92.561	91.540	91.540	89.121

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
xxvi)	JAMMU & KASHMIR	89.854	88.862	88.862	86.512
xxvii)	POWER EXCHANGE(IEX)	0.000	0.000	0.000	0.000
xxviii)	POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
I	TOTAL IMPORT	1101.242	1088.344	1088.344	1059.619
J	TOTAL ELECTRICAL ENERGY IMPORT	3418.432	3344.473	3047.778	2967.446
	EXPORT				
iv)	ORISSA	-0.291	-0.295	-0.295	-0.304
v)	GUJRAT	-5.177	-5.273	-5.273	-5.423
vi)	UTTAR PRADESH	-25.028	-25.382	-25.382	-26.068
viii)	SIKKIM	-0.360	-0.364	-0.364	-0.374
xii)	ANDHRA PRADESH	-0.129	-0.131	-0.131	-0.134
xv)	KERALA	-4.225	-4.297	-4.297	-4.413
xxi)	MAHARASHTRA	-9.480	-9.678	-9.678	-9.944
xxii)	MADHYA PRADESH	-0.152	-0.154	-0.154	-0.158
xxv)	TO HARYANA	-31.692	-32.044	-32.044	-32.912
xxvi)	TO POWER EXCHANGE (IEX)	-381.925	-392.311	-381.925	-392.311
xxvii)	TO POWER EXCHANGE (PX)	-35.537	-36.487	-35.537	-36.487
xxviii)	TO SHARE PROJECT (HARYANA)	-2.891	-2.972	-2.891	-2.972
xxix)	TO POWER EXCHANGE (PUNJAB)	-3.914	-4.024	-3.914	-4.024
K	TOTAL EXPORT	-500.799	-513.413	-501.884	-515.525
L	Net Drawal	2917.633	2831.060	2545.893	2451.921
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-105.333
	AVAILABILITY WITHIN DELHI				
i)	RPH				32.454
ii)	GT				88.401
iii)	PRAGATI				212.218
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				62.219
vi)	Timarpur - Okhla Waste Management				9.970
viii)	IMPORT FROM BTPS				323.882
x)	TOTAL DELHI GENERAITON				729.144
xi)	RENEWABLE SOLAR (NDPL)				0.159023
xii)	RENEWABLE SOLAR (BRPL)				0.061430
xiii)	RENEWABLE SOLAR (BYPL)				0.026527
xiv)	RENEWABLE SOLAR (NDMC)				0.000
xv)	NON SOLAR (BRPL)				9.975220
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				10.222
N	TOTAL AVAILABILITY				739.366
O	TOTAL CONSUMPTION				3085.955
P	LOAD SHEDDING				9.935
Q	REQUIREMENT				3076.624
R	% DEPENDENCE ON GRID				79.45
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				19.266
T	NET CONSUMPTION OF DELHI				3066.689

9.5 Power supply position during the month of August 2013

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	100.741	98.065	93.582	91.103
2	RIHAND-I	68.064	66.256	59.750	58.168
3	RIHAND-II	49.532	48.223	42.128	41.020
4	RIHAND-III	43.302	42.144	39.846	38.785
5	UNCHAHAR-I	16.614	16.172	12.486	12.156
6	UNCHAHAR-II	33.747	32.850	27.438	26.712
7	UNCHAHAR-III	20.605	20.057	17.157	16.702
8	DADRI(TH)	419.256	408.142	318.436	310.015
9	DADRI(TH)- Stage-II	456.061	444.111	395.969	385.612
10	FARAKA	11.970	11.650	9.989	9.724
11	KHELGAON	32.408	31.547	18.380	17.895
12	KHELGAON-II	102.781	100.037	83.208	80.996
13	ANTA(GT)	28.815	28.047	23.323	22.699
14	ANTA(Liquid)	3.230	3.148	0.000	0.000
15	ANTA(RLNG)	0.000	0.000	0.000	0.000
16	AURAIYA(GT)	20.870	20.311	17.972	17.491
17	AURAIYA(Liquid)	26.321	25.625	0.000	0.000
18	AURAIYA(RLNG)	0.000	0.000	0.000	0.000
19	DADRI(GT)	27.903	27.158	24.480	23.829
20	DADRI(Liquid)	16.506	16.073	0.000	0.000
21	DADRI (RLNG)	0.000	0.000	0.000	0.000
22	TALCHER				
23	TALA	22.915	22.306	22.915	22.306
A	TOTAL NTPC(TOTAL 1 to 23)	1501.640	1461.922	1207.060	1175.215
	NHPC STATIONS				
24	TANAKPUR	8.222	8.004	8.222	8.004
25	CHAMERA-I	30.976	30.153	30.976	30.153
26	CHAMERA-II	27.584	26.853	27.584	26.853
27	CHAMERA-III	20.678	20.129	20.678	20.129
29	B/SUIL	11.418	11.115	11.418	11.115
28	SALAL	54.443	53.000	54.443	53.000
30	DAULI GANGA	0.000	0.000	0.000	0.000
31	DULASTI	31.510	30.673	31.510	30.673
32	URI(HEP)	21.746	21.169	21.746	21.169
33	URI(HEP)-II	0.000	0.000	0.000	0.000
34	SEWA -II	11.822	11.508	11.815	11.501
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	218.400	212.603	218.393	212.596
	TEHRI HYDRO				
36	TEHRI	80.137	78.006	80.137	78.006
37	KOTESHWAR	26.162	25.466	26.139	25.443
C	Total THDC (36+37)	106.299	103.472	106.275	103.450
	ATOMIC POWER STATIONS				
38	NAPP	18.694	18.199	18.694	18.199

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	30.439	29.637	30.210	29.415
D	TOTAL NPC (38 TO 40)	49.133	47.837	48.904	47.614
E	NATHPA JHAKHRI(SJVNL)	108.159	105.288	108.159	105.288
F	JHAJJAR	272.050	264.825	37.592	36.567
G	SASAN	6.855	6.682	6.855	6.683
H	Total Central Sector (A+B+C+D+E+F+G)	2262.536	2202.630	1733.238	1687.413
	BILATERAL IMPORT				
i)	RASJASTHAN	110.620	109.402	109.402	106.493
v)	MEGHALAYA	23.979	23.636	23.636	23.008
vii)	MADHYA PRADESH	111.458	109.880	109.880	106.979
viii)	HARYANA(FOR NDPL) LT-05	2.616	2.589	2.589	2.523
xiii)	DVC	220.818	218.117	218.117	212.313
xvii)	DVC METHON (NDPL)LT-06	112.257	110.908	110.908	107.942
xviii)	DVC MEJIA (LT-O8) BYPL	61.767	61.014	61.014	59.400
xix)	DVC HARYANA (LT-O9)	8.925	8.814	8.814	8.579
xxii)	UTTRANCHAL	20.876	20.658	20.658	20.127
xxiii)	ORISSA	75.734	74.621	74.621	72.568
xxv)	HIMACHAL PRADESH	85.875	84.933	84.933	82.680
xxvi)	JAMMU & KASHMIR	52.159	51.579	51.579	50.197
xxvii)	POWER EXCHANGE(IEX)	2.064	2.010	2.064	2.010
xxviii)	POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
I	TOTAL IMPORT	889.147	878.160	878.214	854.819
J	TOTAL ELECTRICAL ENERGY IMPORT	3144.828	3074.107	2604.597	2535.550
	EXPORT				
vi)	UTTAR PRADESH	-18.365	-18.631	-18.631	-19.147
xiii)	ANDHRA PRADESH	-0.078	-0.080	-0.080	-0.082
xv)	KERALA	-8.199	-8.344	-8.344	-8.575
xviii)	TAMILNADU	-3.465	-3.522	-3.522	-3.620
xxiii)	WEST BENGAL	-6.253	-6.330	-6.330	-6.503
xxvi)	TO POWER EXCHANGE (IEX)	-269.336	-276.704	-269.336	-276.704
xxvii)	TO POWER EXCHANGE (PX)	-35.883	-36.871	-35.883	-36.871
xxviii)	TO SHARE PROJECT (HARYANA)	-6.311	-6.489	-6.311	-6.489
xxix)	TO POWER EXCHANGE (PUNJAB)	-7.138	-7.341	-7.138	-7.341
K	TOTAL EXPORT	-355.029	-364.313	-355.574	-365.334
L	Net Drawal	2789.799	2709.795	2249.023	2170.216
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-95.867
	AVAILABILITY WITHIN DELHI				
i)	RPH				40.493
ii)	GT				73.682
iii)	PRAGATI				201.589
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				112.792
vi)	Timarpur - Okhla Waste Management				9.370
viii)	IMPORT FROM BTPS				304.865
x)	TOTAL DELHI GENERAITON				742.791

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
xi)	RENEWABLE SOLAR (NDPL)				0.140645
xii)	RENEWABLE SOLAR (BRPL)				0.062749
xiii)	RENEWABLE SOLAR (BYPL)				0.024228
xiv)	RENEWABLE SOLAR (NDMC)				0.000
xv)	NON SOLAR (BRPL)				9.379076
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				9.607
N	TOTAL AVAILABILITY				752.398
O	TOTAL CONSUMPTION				2826.746
P	LOAD SHEDDING				4.295
Q	REQUIREMENT				2810.279
R	% DEPENDENCE ON GRID				76.77
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				20.762
T	NET CONSUMPTION OF DELHI				2805.984

9.6 Power supply position during the month of September 2013

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	92.835	90.504	92.835	90.504
2	RIHAND-I	65.292	63.655	64.142	62.533
3	RIHAND-II	47.414	46.228	46.109	44.956
4	RIHAND-III	44.183	43.076	44.283	43.174
5	UNCHAHAAR-I	16.181	15.775	15.425	15.038
6	UNCHAHAAR-II	32.586	31.769	31.439	30.651
7	UNCHAHAAR-III	19.649	19.157	19.177	18.695
8	DADRI(TH)	407.257	397.074	349.033	340.313
9	DADRI(TH)- Stage-II	523.745	510.621	491.096	478.792
10	FARAKA	13.458	13.120	12.438	12.125
11	KHELGAON	33.103	32.273	22.522	21.951
12	KHELGAON-II	80.699	78.658	69.363	67.599
13	ANTA(GT)	7.711	7.515	7.739	7.543
14	ANTA(Liquid)	21.652	21.111	0.000	0.000
15	ANTA(RLNG)	0.000	0.000	0.000	0.000
16	AURAIYA(GT)	10.835	10.562	10.779	10.507
17	AURAIYA(Liquid)	37.920	36.971	0.000	0.000
18	AURAIYA(RLNG)	0.000	0.000	0.000	0.000
19	DADRI(GT)	30.760	29.978	30.611	29.832
20	DADRI(Liquid)	28.326	27.624	0.000	0.000
21	DADRI (RLNG)	0.000	0.000	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	17.565	17.128	17.565	17.128
A	TOTAL NTPC(TOTAL 1 to 23)	1531.171	1492.800	1324.557	1291.341
	NHPC STATIONS				
24	TANAKPUR	7.173	6.992	7.173	6.992
25	CHAMERA-I	16.047	15.648	16.047	15.648

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
26	CHAMERA-II	18.708	18.242	18.708	18.242
27	CHAMERA-III	12.507	12.195	12.507	12.195
29	B/SUIL	5.632	5.492	5.632	5.492
28	SALAL	43.955	42.857	43.955	42.857
30	DAULI GANGA	0.000	0.000	0.000	0.000
31	DULASTI	34.144	33.289	34.144	33.289
32	URI(HEP)	24.618	24.004	24.618	24.004
33	URI(HEP)-II	0.000	0.000	0.000	0.000
34	SEWA -II	4.080	3.979	4.080	3.979
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	166.865	162.699	166.865	162.699
	TEHRI HYDRO				
36	TEHRI	38.337	37.391	38.337	37.391
37	KOTESHWAR	12.453	12.146	12.453	12.146
C	Total THDC (36+37)	50.790	49.537	50.790	49.537
	ATOMIC POWER STATIONS				
38	NAPP	22.554	21.988	22.538	21.973
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	35.371	34.482	35.429	34.538
D	TOTAL NPC (38 TO 40)	57.925	56.471	57.967	56.511
E	NATHPA JHAKHRI(SJVNL)	80.410	78.410	76.879	74.975
F	JHAJJAR	267.269	260.570	48.913	47.668
G	SASAN	18.287	17.828	18.280	17.820
H	Total Central Sector (A+B+C+D+E+F+G)	2172.718	2118.315	1744.250	1700.552
	BILATERAL IMPORT				
i)	RASJASTHAN	31.874	31.564	31.564	30.803
vii)	MADHYA PRADESH	83.372	82.179	82.179	80.129
viii)	HARYANA(FOR NDPL) LT-05	22.944	22.718	22.718	22.166
ix)	HARYANA	0.225	0.223	0.223	0.217
xii)	DVC	228.614	226.184	226.184	220.509
xvii)	DVC METHON (NDPL)LT-06	172.916	171.088	171.088	166.770
xviii)	DVC MEJIA (LT-O8) BYPL	73.952	73.165	73.165	71.333
xix)	DVC HARYANA (LT-O9)	9.778	9.674	9.674	9.432
xxii)	UTTRANCHAL	17.775	17.601	17.601	17.177
xxv)	HIMACHAL PRADESH	46.010	45.542	45.542	44.409
xxvi)	JAMMU & KASHMIR	11.646	11.532	11.532	11.254
xxvii)	POWER EXCHANGE(IEX)	2.557	2.492	2.557	2.492
I	TOTAL IMPORT	701.662	693.961	694.025	676.691
J	TOTAL ELECTRICAL ENERGY IMPORT	2856.092	2794.448	2419.995	2359.423
	EXPORT				
i)	RAJASTHAN	-0.669	-0.680	-0.680	-0.697
v)	GUJRAT	-0.048	-0.049	-0.049	-0.051
vi)	UTTAR PRADESH	-4.292	-4.347	-4.347	-4.456
vii)	BIHAR	-0.336	-0.340	-0.340	-0.348
xiii)	ANDHRA PRADESH	-0.330	-0.337	-0.337	-0.345
xx)	HIMACHAL PRADESH	-0.098	-0.099	-0.099	-0.101

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
xxvi)	TO POWER EXCHANGE (IEX)	-249.087	-255.498	-249.087	-255.498
xxvii)	TO POWER EXCHANGE (PX)	-7.708	-7.903	-7.708	-7.903
xxviii)	TO SHARE PROJECT (HARYANA)	-1.659	-1.701	-1.659	-1.701
xxix)	TO POWER EXCHANGE (PUNJAB)	-11.558	-11.847	-11.558	-11.847
K	TOTAL EXPORT	-275.785	-282.800	-275.863	-282.946
L	Net Drawal	2580.307	2511.648	2144.132	2076.477
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-68.872
	AVAILABILITY WITHIN DELHI				
i)	RPH				44.119
ii)	GT				90.082
iii)	PRAGATI				199.404
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				156.101
vi)	Timarpur - Okhla Waste Management				7.650
viii)	IMPORT FROM BTPS				309.086
x)	TOTAL DELHI GENERAITON				806.442
xi)	RENEWABLE SOLAR (NDPL)				0.174883
xii)	RENEWABLE SOLAR (BRPL)				0.077800
xiii)	RENEWABLE SOLAR (BYPL)				0.030944
xiv)	RENEWABLE SOLAR (NDMC)				0.000
xv)	NON SOLAR (BRPL)				7.657160
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				7.941
N	TOTAL AVAILABILITY				814.383
O	TOTAL CONSUMPTION				2821.988
P	LOAD SHEDDING				3.982
Q	REQUIREMENT				2804.286
R	% DEPENDENCE ON GRID				73.58
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				21.684
T	NET CONSUMPTION OF DELHI				2800.304

9.7 Power supply position during the month of October 2013

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	106.143	102.913	105.652	102.435
2	RIHAND-I	58.090	56.349	56.557	54.858
3	RIHAND-II	60.773	58.895	59.848	57.997
4	RIHAND-III	41.019	39.784	40.539	39.317
5	UNCHAHAR-I	9.645	9.356	9.319	9.039
6	UNCHAHAR-II	33.628	32.605	32.741	31.744
7	UNCHAHAR-III	20.607	19.981	20.111	19.499
8	DADRI(TH)	493.390	478.231	401.082	388.770
9	DADRI(TH)- Stage-II	543.334	526.818	501.297	486.071
10	FARAKA	15.431	14.962	14.209	13.782
11	KHELGAON	33.694	32.668	31.384	30.425

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
12	KHELGAON-II	102.691	99.594	100.944	97.899
13	ANTA(GT)	15.825	15.305	15.541	15.030
14	ANTA(Liquid)	15.115	14.694	0.000	0.000
15	ANTA(RLNG)	0.461	0.448	0.000	0.000
16	AURAIYA(GT)	11.857	11.501	11.829	11.474
17	AURAIYA(Liquid)	39.291	38.092	0.000	0.000
18	AURAIYA(RLNG)	0.081	0.079	0.000	0.000
19	DADRI(GT)	38.506	37.311	36.336	35.205
20	DADRI(Liquid)	27.014	26.218	0.000	0.000
21	DADRI (RLNG)	0.000	0.000	0.000	0.000
22	TALCHER				
23	TALA	15.832	15.355	15.486	15.018
A	TOTAL NTPC(TOTAL 1 to 23)	1682.427	1631.156	1452.874	1408.562
	NHPC STATIONS				
24	TANAKPUR	6.844	6.638	6.844	6.638
25	CHAMERA-I	8.859	8.597	8.859	8.597
26	CHAMERA-II	11.358	11.022	11.358	11.022
27	CHAMERA-III	7.137	6.928	7.137	6.928
29	B/SUIL	3.351	3.252	3.351	3.252
28	SALAL	26.139	25.376	26.139	25.376
30	DAULI GANGA	0.000	0.000	0.000	0.000
31	DULASTI	29.180	28.319	29.180	28.319
32	URI(HEP)	13.148	12.753	13.148	12.753
33	URI(HEP)-II	5.531	5.354	5.531	5.354
34	SEWA -II	2.372	2.301	2.372	2.301
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	113.919	110.539	113.919	110.539
	TEHRI HYDRO				
36	TEHRI	25.889	25.119	25.889	25.119
37	KOTESHWAR	8.252	8.007	8.252	8.007
C	Total THDC (36+37)	34.141	33.126	34.141	33.126
	ATOMIC POWER STATIONS				
38	NAPP	21.336	20.684	21.296	20.644
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	39.134	37.943	39.095	37.905
D	TOTAL NPC (38 TO 40)	60.470	58.626	60.390	58.549
E	NATHPA JHAKHRI(SJVNL)	47.084	45.679	34.257	33.235
F	JHAJJAR	275.959	267.577	50.833	49.264
G	SASAN	7.665	7.456	7.663	7.455
H	Total Central Sector (A+B+C+D+E+F+G)	2221.664	2154.159	1754.078	1700.730
	BILATERAL IMPORT				
i)	RASJASTHAN	0.082	0.081	0.081	0.079
v)	MEGHALAYA	6.854	6.764	6.764	6.601
vii)	MADHYA PRADESH	0.523	0.515	0.515	0.503
viii)	HARYANA(FOR NDPL) LT-05	3.690	3.652	3.652	3.560
xi)	URS	0.396	0.387	0.396	0.387
xii)	DVC	190.832	188.798	188.798	184.068
xvii)	DVC METHON (NDPL)LT-06	175.745	173.874	173.874	169.525

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
xviii)	DVC MEJIA (LT-O8) BYPL	9.716	9.609	9.609	9.376
xix)	DVC HARYANA (LT-O9)	10.099	9.991	9.991	9.740
xx)	WEST BENGAL	27.184	26.849	26.849	26.203
xxiii)	ORISSA	0.547	0.539	0.539	0.526
xxv)	HIMACHAL PRADESH	48.075	47.599	47.599	46.442
xxvi)	JAMMU & KASHMIR	12.238	12.119	12.119	11.827
xxvii)	POWER EXCHANGE(IEX)	11.582	11.297	11.582	11.297
I	TOTAL IMPORT	497.561	492.074	492.369	480.134
J	TOTAL ELECTRICAL ENERGY IMPORT	2711.560	2638.777	2238.784	2173.409
	EXPORT				
v)	GUJRAT	-5.157	-5.248	-5.248	-5.383
vi)	UTTAR PRADESH	-26.513	-26.870	-26.870	-27.563
x)	PUNJAB	-45.735	-46.655	-46.655	-47.817
xiii)	ANDHRA PRADESH	-6.732	-6.870	-6.870	-7.042
xiv)	JAMMU & KASHMIR	-8.553	-8.701	-8.701	-8.937
xviii)	TAMILNADU	-1.878	-1.910	-1.910	-1.960
xxi)	MAHARASHTRA	-0.014	-0.014	-0.014	-0.015
xxii)	MADHYA PRADESH	-62.255	-63.172	-63.172	-64.803
xxvi)	TO POWER EXCHANGE (IEX)	-296.008	-303.720	-296.008	-303.720
xxvii)	TO POWER EXCHANGE (PX)	-7.608	-7.818	-7.608	-7.818
xxviii)	TO SHARE PROJECT (HARYANA)	-0.325	-0.333	-0.325	-0.333
xxix)	TO POWER EXCHANGE (PUNJAB)	-0.031	-0.032	-0.031	-0.032
K	TOTAL EXPORT	-460.810	-471.342	-463.412	-475.422
L	Net Drawal	2250.751	2167.434	1775.372	1697.987
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-34.639
	AVAILABILITY WITHIN DELHI				
i)	RPH				35.786
ii)	GT				71.574
iii)	PRAGATI				190.149
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				22.070
vi)	Timarpur - Okhla Waste Management				10.750
viii)	IMPORT FROM BTPS				307.852
x)	TOTAL DELHI GENERAITON				638.181
xi)	RENEWABLE SOLAR (NDPL)				0.120708
xii)	RENEWABLE SOLAR (BRPL)				0.064729
xiii)	RENEWABLE SOLAR (BYPL)				0.151079
xiv)	RENEWABLE SOLAR (NDMC)				0.000
xv)	NON SOLAR (BRPL)				10.756330
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				11.093
N	TOTAL AVAILABILITY				649.274
O	TOTAL CONSUMPTION				2312.622
P	LOAD SHEDDING				3.212
Q	REQUIREMENT				2298.224
R	% DEPENDENCE ON GRID				73.42
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				17.610
T	NET CONSUMPTION OF DELHI				2295.012

9.8 Power supply position during the month of November 2013

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	102.287	98.621	98.836	95.291
2	RIHAND-I	54.281	52.336	53.912	51.981
3	RIHAND-II	72.216	69.626	69.999	67.489
4	RIHAND-III	37.580	36.234	37.396	36.056
5	UNCHAHAR-I	16.601	16.006	15.355	14.805
6	UNCHAHAR-II	30.630	29.532	28.708	27.679
7	UNCHAHAR-III	19.983	19.267	18.872	18.196
8	DADRI(TH)	526.743	507.868	360.482	347.583
9	DADRI(TH)- Stage-II	529.706	510.724	483.641	466.302
10	FARAKA	15.365	14.814	13.368	12.888
11	KHELGAON	33.129	31.942	28.758	27.728
12	KHELGAON-II	106.467	102.653	98.794	95.253
13	ANTA(GT)	25.917	24.989	16.615	16.021
14	ANTA(Liquid)	5.801	5.593	0.000	0.000
15	ANTA(RLNG)	0.252	0.243	0.000	0.000
16	AURAIYA(GT)	17.836	17.195	10.021	9.662
17	AURAIYA(Liquid)	28.416	27.405	0.000	0.000
18	AURAIYA(RLNG)	0.824	0.794	0.000	0.000
19	DADRI(GT)	43.826	42.254	24.431	23.557
20	DADRI(Liquid)	20.461	19.730	0.000	0.000
21	DADRI (RLNG)	0.156	0.150	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	7.209	6.952	7.209	6.952
A	TOTAL NTPC(TOTAL 1 to 23)	1695.687	1634.928	1366.398	1317.443
	NHPC STATIONS				
24	TANAKPUR	3.871	3.732	3.871	3.732
25	CHAMERA-I	5.237	5.050	5.237	5.050
26	CHAMERA-II	6.331	6.105	6.331	6.105
27	CHAMERA-III	3.521	3.395	3.521	3.395
29	B/SUIL	2.064	1.990	2.064	1.990
28	SALAL	12.381	11.938	12.381	11.938
30	DAULI GANGA	0.000	0.000	0.000	0.000
31	DULASTI	13.986	13.486	13.986	13.486
32	URI(HEP)	10.070	9.709	10.070	9.709
33	URI(HEP)-II	6.617	6.381	6.617	6.381
34	SEWA -II	1.486	1.432	1.486	1.432
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	65.563	63.218	65.563	63.218
	TEHRI HYDRO				
36	TEHRI	19.958	19.243	19.958	19.243
37	KOTESHWAR	6.557	6.322	6.557	6.322
C	Total THDC (36+37)	26.514	25.565	26.514	25.565
	ATOMIC POWER STATIONS				
38	NAPP	24.202	23.335	24.202	23.335
39	RAPP 'B'	0.000	0.000	0.000	0.000

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
40	RAPP 'C'	39.147	37.744	39.147	37.744
D	TOTAL NPC (38 TO 40)	63.349	61.079	63.349	61.079
E	NATHPA JHAKHRI(SJVNL)	29.310	28.262	21.325	20.562
F	JHAJJAR	267.571	257.984	44.509	42.919
G	SASAN	27.330	26.349	27.324	26.344
H	Total Central Sector (A+B+C+D+E+F+G)	2175.325	2097.384	1614.984	1557.130
	BILATERAL IMPORT				
v)	MEGHALAYA	4.032	3.987	3.987	3.844
viii)	HARYANA(FOR NDPL) LT-05	16.805	16.531	16.531	15.935
ix)	HARYANA				
x)	UTTAR PRADESH	6.622	6.475	6.475	6.243
xiii)	DVC	149.631	148.095	148.095	142.787
xvii)	DVC METHON (NDPL)LT-06	152.987	150.967	150.967	145.563
xix)	DVC HARYANA (LT-09)	6.227	6.162	6.162	5.941
xxiii)	ORISSA	1.793	1.769	1.769	1.707
xxvii)	POWER EXCHANGE(IEX)	22.684	21.866	22.684	21.866
xxviii)	POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
I	TOTAL IMPORT	360.781	355.853	356.670	343.888
J	TOTAL ELECTRICAL ENERGY IMPORT	2508.776	2426.888	1944.330	1874.674
	EXPORT				
v)	GUJRAT	-1.244	-1.268	-1.268	-1.315
vi)	UTTAR PRADESH	-17.832	-18.179	-18.179	-18.853
xiii)	ANDHRA PRADESH	-2.133	-2.179	-2.179	-2.260
xiv)	JAMMU & KASHMIR	-116.968	-118.893	-118.893	-123.317
xviii)	TAMILNADU	-2.500	-2.562	-2.562	-2.657
xix)	MEGHALAYA	-22.300	-22.617	-22.617	-23.459
xx)	HIMACHAL PRADESH	-41.420	-42.111	-42.111	-43.693
xxi)	MAHARASHTRA	-7.991	-8.172	-8.172	-8.476
xxii)	MADHYA PRADESH	-150.829	-153.763	-153.763	-159.477
xxvi)	TO POWER EXCHANGE (IEX)	-214.600	-222.533	-214.600	-222.533
xxvii)	TO POWER EXCHANGE (PX)	-49.503	-51.341	-49.503	-51.341
xxviii)	TO SHARE PROJECT (HARYANA)	0.000	0.000	0.000	0.000
xxix)	TO POWER EXCHANGE (PUNJAB)	0.000	0.000	0.000	0.000
K	TOTAL EXPORT	-627.321	-643.618	-633.847	-657.382
L	Net Drawal	1881.456	1783.270	1310.483	1217.291
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-47.385
	AVAILABILITY WITHIN DELHI				
i)	RPH				4.991
ii)	GT				58.891
iii)	PRAGATI				211.708
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				0.000
vi)	Timarpur - Okhla Waste Management				10.686
viii)	IMPORT FROM BTPS				224.439
x)	TOTAL DELHI GENERAITON				510.715
xi)	RENEWABLE SOLAR (NDPL)				0.16

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
xii)	RENEWABLE SOLAR (BRPL)				0.05
xiii)	RENEWABLE SOLAR (BYPL)				0.02
xiv)	RENEWABLE SOLAR (NDMC)				0.020
xv)	NON SOLAR (BRPL)				10.686942
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				10.940
N	TOTAL AVAILABILITY				521.655
O	TOTAL CONSUMPTION				1691.562
P	LOAD SHEDDING				1.262
Q	REQUIREMENT				1681.966
R	% DEPENDENCE ON GRID				71.96
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				10.858
T	NET CONSUMPTION OF DELHI				1680.704

9.9 Power supply position during the month of December 2013

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	103.007	98.878	102.981	98.853
2	RIHAND-I	62.062	59.580	60.899	58.460
3	RIHAND-II	86.169	82.724	82.879	79.558
4	RIHAND-III	44.619	42.835	44.366	42.591
5	UNCHAHAR-I	16.257	15.605	14.463	13.885
6	UNCHAHAR-II	33.115	31.788	30.622	29.393
7	UNCHAHAR-III	20.380	19.567	18.942	18.185
8	DADRI(TH)	543.488	521.764	354.307	340.143
9	DADRI(TH)- Stage-II	535.431	513.976	495.463	475.597
10	FARAKA	16.149	15.504	14.546	13.967
11	KHELGAON	35.665	34.239	30.250	29.039
12	KHELGAON-II	108.528	104.178	100.358	96.333
13	ANTA(GT)	27.239	26.150	20.064	19.252
14	ANTA(Liquid)	5.539	5.317	0.000	0.000
15	ANTA(RLNG)	0.252	0.243	0.000	0.000
16	AURAIYA(GT)	15.237	14.628	8.333	7.994
17	AURAIYA(Liquid)	38.243	36.712	0.000	0.000
18	AURAIYA(RLNG)	0.295	0.285	0.000	0.000
19	DADRI(GT)	37.387	35.885	21.697	20.810
20	DADRI(Liquid)	29.835	28.646	0.000	0.000
21	DADRI (RLNG)	0.563	0.543	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	3.426	3.291	3.334	3.202
A	TOTAL NTPC(TOTAL 1 to 23)	1762.888	1692.335	1403.506	1347.260
	NHPC STATIONS				
24	TANAKPUR	1.771	1.702	1.771	1.702
25	CHAMERA-I	4.080	3.917	4.080	3.917

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
26	CHAMERA-II	4.886	4.691	4.886	4.691
27	CHAMERA-III	2.584	2.482	2.584	2.482
29	B/SUIL	1.638	1.573	1.638	1.573
28	SALAL	10.530	10.108	10.530	10.108
30	DAULI GANGA	0.000	0.000	0.000	0.000
31	DULASTI	11.085	10.645	11.085	10.645
32	URI(HEP)	7.881	7.567	7.881	7.567
33	URI(HEP)-II	5.922	5.686	5.922	5.686
34	SEWA -II	0.793	0.759	0.793	0.759
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	51.171	49.131	51.171	49.131
	TEHRI HYDRO				
36	TEHRI	23.628	22.673	23.628	22.673
37	KOTESHWAR	7.791	7.476	7.791	7.476
C	Total THDC (36+37)	31.419	30.149	31.419	30.149
	ATOMIC POWER STATIONS				
38	NAPP	26.226	25.179	26.046	25.005
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	40.593	38.970	40.593	38.970
D	TOTAL NPC (38 TO 40)	66.819	64.149	66.639	63.975
E	NATHPA JHAKHRI(SJVNL)	22.846	21.940	16.622	15.963
F	JHAJJAR	276.313	265.274	58.388	56.068
G	SASAN	48.005	46.079	47.993	46.067
H	Total Central Sector (A+B+C+D+E+F+G)	2259.461	2169.057	1675.737	1608.614
	BILATERAL IMPORT				
i)	RASJASTHAN	0.254	0.249	0.249	0.240
ii)	GUJRAT	0.569	0.560	0.560	0.540
viii)	HARYANA(FOR NDPL) LT-05	36.620	35.956	35.956	34.521
ix)	HARYANA	32.966	32.367	32.367	31.073
x)	UTTAR PRADESH	36.829	35.939	35.939	34.502
xiii)	DVC	138.656	137.070	137.070	131.633
xvii)	DVC METHON (NDPL)LT-06	188.503	185.790	185.790	178.375
xix)	DVC HARYANA (LT-09)	4.151	4.104	4.104	3.950
xxiii)	ORISSA	1.383	1.365	1.365	1.313
xxvii)	POWER EXCHANGE(IEX)	15.431	14.792	15.431	14.792
xxviii)	POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
I	TOTAL IMPORT	455.363	448.193	448.832	430.939
J	TOTAL ELECTRICAL ENERGY IMPORT	2666.819	2571.171	2076.576	1993.486
	EXPORT				
i)	RAJASTHAN	-66.935	-68.380	-68.380	-71.229
v)	GUJRAT	-3.761	-3.838	-3.838	-3.995
vi)	UTTAR PRADESH	-20.959	-21.381	-21.381	-22.212
xiii)	ANDHRA PRADESH	-0.501	-0.512	-0.512	-0.533
xiv)	JAMMU & KASHMIR	-137.028	-139.582	-139.582	-145.445
xvii)	TRIPURA	-2.922	-2.954	-2.954	-3.075

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
xviii)	TAMILNADU	-0.609	-0.625	-0.625	-0.650
xx)	HIMACHAL PRADESH	-79.156	-80.617	-80.617	-83.975
xxi)	MAHARASHTRA	-8.737	-8.946	-8.946	-9.317
xxii)	MADHYA PRADESH	-116.295	-118.697	-118.697	-123.641
xxiii)	WEST BENGAL	-0.039	-0.039	-0.039	-0.041
xxvi)	TO POWER EXCHANGE (IEX)	-235.218	-244.905	-235.218	-244.905
xxvii)	TO POWER EXCHANGE (PX)	-30.253	-31.510	-30.253	-31.510
xxviii)	TO SHARE PROJECT (HARYANA)	0.000	0.000	0.000	0.000
xxix)	TO POWER EXCHANGE (PUNJAB)	0.000	0.000	0.000	0.000
K	TOTAL EXPORT	-702.414	-721.985	-711.042	-740.528
L	Net Drawal	1964.405	1849.185	1365.534	1252.958
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-5.192
	AVAILABILITY WITHIN DELHI				
i)	RPH				0.000
ii)	GT				66.243
iii)	PRAGATI				222.868
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				2.337
vi)	Timarpur - Okhla Waste Management				5.596
viii)	IMPORT FROM BTPS				274.646
x)	TOTAL DELHI GENERAITON				571.690
xi)	RENEWABLE SOLAR (NDPL)				0.12
xii)	RENEWABLE SOLAR (BRPL)				0.06
xiii)	RENEWABLE SOLAR (BYPL)				0.01
xiv)	RENEWABLE SOLAR (NDMC)				0.050
xv)	NON SOLAR (BRPL)				5.596518
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				5.836
N	TOTAL AVAILABILITY				577.526
O	TOTAL CONSUMPTION				1825.292
P	LOAD SHEDDING				4.927
Q	REQUIREMENT				1819.013
R	% DEPENDENCE ON GRID				68.64
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				11.206
T	NET CONSUMPTION OF DELHI				1814.086

9.10 Power supply position during the month of January 2014

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	102.427	97.226	101.954	96.775
2	RIHAND-I	66.722	63.357	62.114	58.983
3	RIHAND-II	88.061	83.613	84.466	80.201
4	RIHAND-III	22.309	21.078	21.441	20.256
5	UNCHAAR-I	17.295	16.418	15.637	14.846

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
6	UNCHAHAAR-II	33.727	32.016	30.555	29.002
7	UNCHAHAAR-III	20.718	19.668	19.315	18.335
8	DADRI(TH)	545.724	518.051	463.288	440.091
9	DADRI(TH)- Stage-II	549.630	521.758	514.787	488.682
10	FARAKA	15.981	15.171	15.541	14.753
11	KHELGAON	35.452	33.654	32.091	30.465
12	KHELGAON-II	110.776	105.151	108.014	102.532
13	ANTA(GT)	25.864	24.550	23.275	22.096
14	ANTA(Liquid)	5.798	5.502	0.000	0.000
15	ANTA(RLNG)	0.321	0.306	0.000	0.000
16	AURAIYA(GT)	18.979	18.007	14.232	13.503
17	AURAIYA(Liquid)	34.329	32.595	0.000	0.000
18	AURAIYA(RLNG)	0.147	0.139	0.000	0.000
19	DADRI(GT)	34.496	32.718	26.677	25.305
20	DADRI(Liquid)	32.700	31.068	0.000	0.000
21	DADRI (RLNG)	0.166	0.157	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	1.802	1.709	1.802	1.709
A	TOTAL NTPC(TOTAL 1 to 23)	1763.422	1673.911	1535.189	1457.535
	NHPC STATIONS				
24	TANAKPUR	0.417	0.392	0.417	0.392
25	CHAMERA-I	4.045	3.840	4.045	3.840
26	CHAMERA-II	4.577	4.346	4.577	4.346
27	CHAMERA-III	1.464	1.385	1.464	1.385
29	B/SUIL	1.014	0.966	1.014	0.966
28	SALAL	10.129	9.617	10.129	9.617
30	DAULI GANGA	0.000	0.000	0.000	0.000
31	DULASTI	9.996	9.489	9.996	9.489
32	URI(HEP)	8.672	8.237	8.672	8.237
33	URI(HEP)-II	6.480	6.153	6.480	6.153
34	SEWA -II	2.669	2.535	2.669	2.535
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	49.463	46.959	49.463	46.959
	TEHRI HYDRO				
36	TEHRI	26.225	24.882	26.225	24.882
37	KOTESHWAR	8.767	8.320	8.767	8.320
C	Total THDC (36+37)	34.993	33.202	34.993	33.202
	ATOMIC POWER STATIONS				
38	NAPP	25.044	23.770	24.718	23.466
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	40.593	38.534	40.593	38.534
D	TOTAL NPC (38 TO 40)	65.636	62.305	65.311	62.000
E	NATHPA JHAKHRI(SJVNL)	20.495	19.458	14.912	14.157
F	JHAJJAR	279.873	265.679	69.914	66.307
G	SASAN	41.227	39.099	40.928	38.814
H	Total Central Sector (A+B+C+D+E+F+G)	2255.110	2140.612	1810.709	1718.973

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
	BILATERAL IMPORT				
ii)	GUJRAT	19.980	19.642	19.642	18.605
viii)	HARYANA(FOR NDPL) LT-05	37.512	36.588	36.588	34.681
ix)	HARYANA	33.512	32.712	32.712	31.053
x)	UTTAR PRADESH	37.253	36.141	36.141	34.307
xiii)	DVC	143.346	141.331	141.331	134.110
xvii)	DVC METHON (NDPL)LT-06	193.300	190.487	190.487	180.779
xix)	DVC HARYANA (LT-09)	4.830	4.761	4.761	4.512
xxi)	CHATTISHGARH	7.727	7.572	7.572	7.178
xxiii)	ORISSA	0.470	0.462	0.462	0.437
xxvii)	POWER EXCHANGE(IEX)	3.668	3.472	3.668	3.472
xxviii)	POWER EXCHANGE (PX)				
I	TOTAL IMPORT	481.598	473.167	473.363	449.134
J	TOTAL ELECTRICAL ENERGY IMPORT	2695.481	2574.680	2243.144	2129.292
	EXPORT				
i)	RAJASTHAN	-151.149	-155.354	-155.354	-163.724
vi)	UTTAR PRADESH	-132.520	-136.533	-136.533	-143.836
xiv)	JAMMU & KASHMIR	-125.864	-129.232	-129.232	-136.035
xix)	MEGHALAYA	-2.087	-2.123	-2.123	-2.236
xx)	HIMACHAL PRADESH	-74.599	-76.422	-76.422	-80.506
xxi)	MAHARASHTRA	-5.273	-5.399	-5.399	-5.688
xxii)	MADHYA PRADESH	-48.307	-49.303	-49.303	-51.938
xxiii)	WEST BENGAL	-1.886	-1.913	-1.913	-2.013
xxvi)	TO POWER EXCHANGE (IEX)	-143.126	-150.725	-143.126	-150.725
xxvii)	TO POWER EXCHANGE (PX)	-23.947	-25.248	-23.947	-25.248
xxviii)	TO SHARE PROJECT (HARYANA)	0.000	0.000	0.000	0.000
xxix)	TO POWER EXCHANGE (PUNJAB)	0.000	0.000	0.000	0.000
K	TOTAL EXPORT	-708.758	-732.250	-723.351	-761.948
L	Net Drawal	1986.723	1842.430	1519.793	2149.548
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-794.770
	AVAILABILITY WITHIN DELHI				
i)	RPH				0.000
ii)	GT				110.248
iii)	PRAGATI				202.755
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				0.000
vi)	Timarpur - Okhla Waste Management				4.445
viii)	IMPORT FROM BTPS				349.556
x)	TOTAL DELHI GENERAITON				667.004
xi)	RENEWABLE SOLAR (NDPL)				0.09
xii)	RENEWABLE SOLAR (BRPL)				0.06
xiii)	RENEWABLE SOLAR (BYPL)				0.02
xiv)	RENEWABLE SOLAR (NDMC)				0.060
xv)	NON SOLAR (BRPL)				4.445106
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				4.665

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
N	TOTAL AVAILABILITY				671.669
O	TOTAL CONSUMPTION				2026.447
P	LOAD SHEDDING				4.988
Q	REQUIREMENT				2020.387
R	% DEPENDENCE ON GRID				106.07
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				11.048
T	NET CONSUMPTION OF DELHI				2015.399

9.11 Power supply position during the month of February 2014

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	93.411	89.794	91.515	87.968
2	RIHAND-I	62.568	60.146	56.672	54.474
3	RIHAND-II	82.492	79.298	77.326	74.327
4	RIHAND-III	35.305	33.943	33.820	32.513
5	UNCHAHAAR-I	15.614	15.010	13.229	12.715
6	UNCHAHAAR-II	30.700	29.512	27.712	26.637
7	UNCHAHAAR-III	18.783	18.056	16.818	16.166
8	DADRI(TH)	440.976	423.861	399.606	384.088
9	DADRI(TH)- Stage-II	453.218	435.649	421.859	405.485
10	FARAKA	14.269	13.717	13.227	12.715
11	KHELGAON	31.567	30.343	27.220	26.165
12	KHELGAON-II	93.657	90.025	88.418	84.985
13	ANTA(GT)	25.023	24.056	19.986	19.210
14	ANTA(Liquid)	4.803	4.616	0.000	0.000
15	ANTA(RLNG)	0.000	0.000	0.000	0.000
16	AURAIYA(GT)	19.512	18.746	13.747	13.208
17	AURAIYA(Liquid)	29.613	28.477	0.000	0.000
18	AURAIYA(RLNG)	0.000	0.000	0.000	0.000
19	DADRI(GT)	49.297	47.384	33.918	32.598
20	DADRI(Liquid)	12.779	12.289	0.000	0.000
21	DADRI (RLNG)	0.000	0.000	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	1.071	1.029	1.071	1.029
A	TOTAL NTPC(TOTAL 1 to 23)	1514.659	1455.950	1336.146	1284.284
	NHPC STATIONS				
24	TANAKPUR	0.000	0.000	0.000	0.000
25	CHAMERA-I	6.145	5.908	6.145	5.908
26	CHAMERA-II	4.594	4.417	4.594	4.417
27	CHAMERA-III	1.486	1.431	1.486	1.431
29	B/SUIL	3.358	3.229	3.358	3.229
28	SALAL	11.447	11.005	11.447	11.005

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
30	DAULI GANGA	0.000	0.000	0.000	0.000
31	DULASTI	8.977	8.630	8.977	8.630
32	URI(HEP)	14.367	13.814	14.367	13.814
33	URI(HEP)-II	9.179	8.825	9.179	8.825
34	SEWA -II	5.524	5.312	5.524	5.312
35	PARBATI3	0.000	0.000	0.000	0.000
B	TOTAL NHPC(TOTAL 24 to 35)	65.078	62.571	65.078	62.571
	TEHRI HYDRO				
36	TEHRI	20.867	20.058	20.867	20.058
37	KOTESHWAR	7.739	7.439	7.739	7.439
C	Total THDC (36+37)	28.606	27.497	28.606	27.497
	ATOMIC POWER STATIONS				
38	NAPP	21.236	20.414	21.236	20.414
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	36.576	35.160	36.576	35.160
D	TOTAL NPC (38 TO 40)	57.812	55.574	57.812	55.574
E	NATHPA JHAKHRI(SJVNL)	17.402	16.729	12.835	12.339
F	JHAJJAR	253.310	243.504	57.284	55.080
G	SASAN	61.217	58.892	60.126	57.840
H	Total Central Sector (A+B+C+D+E+F+G)	1998.084	1920.717	1617.886	1555.185
	BILATERAL IMPORT				
viii)	HARYANA(FOR NDPL) LT-05	19.671	19.322	19.322	18.564
x)	UTTAR PRADESH	22.197	21.677	21.677	20.837
xii)	DVC	123.027	121.565	121.565	116.903
xvii)	DVC METHON (NDPL)LT-06	167.992	165.999	165.999	159.554
xix)	DVC HARYANA (LT-09)	4.013	3.965	3.965	3.820
xxi)	CHATTISHGARH	1.871	1.834	1.834	1.760
xxvii)	POWER EXCHANGE(IEX)	3.117	2.993	3.117	2.993
xxviii)	POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
I	TOTAL IMPORT	341.889	337.356	337.480	324.431
J	TOTAL ELECTRICAL ENERGY IMPORT	2278.756	2199.181	1895.240	1821.776
	EXPORT				
i)	RAJASTHAN	-77.842	-79.465	-79.465	-82.666
vi)	UTTAR PRADESH	-21.588	-22.105	-22.105	-22.994
xiv)	JAMMU & KASHMIR	-155.799	-159.064	-159.064	-165.504
xix)	MEGHALAYA	-4.576	-4.668	-4.668	-4.848
xx)	HIMACHAL PRADESH	-83.737	-85.225	-85.225	-88.665
xxi)	MAHARASHTRA	-4.667	-4.772	-4.772	-4.964
xxii)	MADHYA PRADESH	-38.071	-38.808	-38.808	-40.371
xxiii)	WEST BENGAL	-3.248	-3.287	-3.287	-3.420
xxiv)	UTTRANCHAL	-108.928	-111.535	-111.535	-116.016
xxvi)	TO POWER EXCHANGE (IEX)	-167.585	-174.359	-167.585	-174.359
xxvii)	TO POWER EXCHANGE (PX)	-20.626	-21.462	-20.626	-21.462
xxviii)	TO SHARE PROJECT (HARYANA)	0.000	0.000	0.000	0.000
xxix)	TO POWER EXCHANGE (PUNJAB)	0.000	0.000	0.000	0.000
K	TOTAL EXPORT	-686.667	-704.750	-697.140	-725.269
L	Net Drawal	1592.089	1494.431	1198.100	1096.507

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				4.995
	AVAILABILITY WITHIN DELHI				
i)	RPH				5.932
ii)	GT				84.316
iii)	PRAGATI				196.638
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				9.161
vi)	Timarpur - Okhla Waste Management				5.880
viii)	IMPORT FROM BTPS				297.700
x)	TOTAL DELHI GENERAITON				599.627
xi)	RENEWABLE SOLAR (NDPL)				0.13318
xii)	RENEWABLE SOLAR (BRPL)				0.07568
xiii)	RENEWABLE SOLAR (BYPL)				0.02027
xiv)	RENEWABLE SOLAR (NDMC)				0.000
xv)	NON SOLAR (BRPL)				5.88
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				6.107
N	TOTAL AVAILABILITY				605.734
O	TOTAL CONSUMPTION				1707.237
P	LOAD SHEDDING				6.212
Q	REQUIREMENT				1701.402
R	% DEPENDENCE ON GRID				64.23
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				12.047
T	NET CONSUMPTION OF DELHI				1695.190

9.12 Power supply position during the month of March 2014

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
1	SINGRAULI	78.795	76.315	77.735	75.286
2	RIHAND-I	65.349	63.287	60.173	58.279
3	RIHAND-II	91.400	88.514	85.997	83.284
4	RIHAND-III	52.102	50.475	48.571	47.054
5	UNCHAHAR-I	17.260	16.715	14.989	14.514
6	UNCHAHAR-II	32.864	31.822	29.793	28.849
7	UNCHAHAR-III	20.272	19.628	17.568	17.008
8	DADRI(TH)	541.985	524.859	405.335	392.549
9	DADRI(TH)- Stage-II	546.840	529.570	447.071	432.975
10	FARAKA	15.773	15.274	14.965	14.490
11	KHELGAON	34.958	33.854	29.619	28.685
12	KHELGAON-II	111.031	107.528	103.188	99.932
13	ANTA(GT)	20.594	19.935	13.237	12.815
14	ANTA(Liquid)	9.446	9.148	0.000	0.000
15	ANTA(RLNG)	0.000	0.000	0.000	0.000

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
16	AURAIYA(GT)	19.444	18.834	9.065	8.776
17	AURAIYA(Liquid)	34.424	33.334	0.000	0.000
18	AURAIYA(RLNG)	0.000	0.000	0.000	0.000
19	DADRI(GT)	42.501	41.157	20.853	20.183
20	DADRI(Liquid)	24.289	23.524	0.000	0.000
21	DADRI (RLNG)	0.000	0.000	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	0.981	0.950	0.981	0.950
A	TOTAL NTPC(TOTAL 1 to 23)	1760.308	1704.722	1379.140	1335.631
	NHPC STATIONS				
24	TANAKPUR	0.150	0.146	0.150	0.146
25	CHAMERA-I	14.379	13.937	14.379	13.937
26	CHAMERA-II	9.500	9.208	9.500	9.208
27	CHAMERA-III	4.577	4.437	4.577	4.437
29	B/SUIL	8.729	8.460	8.729	8.460
28	SALAL	28.286	27.418	28.286	27.418
30	DAULI GANGA	0.000	0.000	0.000	0.000
31	DULASTI	11.428	11.072	11.428	11.072
32	URI(HEP)	31.038	30.080	31.038	30.080
33	URI(HEP)-II	14.947	14.476	14.947	14.476
34	SEWA -II	9.882	9.577	9.882	9.577
35	PARBATI3	0.344	0.334	0.344	0.334
B	TOTAL NHPC(TOTAL 24 to 35)	133.262	129.146	133.262	129.146
	TEHRI HYDRO				
36	TEHRI	23.824	23.072	23.824	23.072
37	KOTESHWAR	9.252	8.961	9.252	8.961
C	Total THDC (36+37)	33.076	32.033	33.076	32.033
	ATOMIC POWER STATIONS				
38	NAPP	19.510	18.896	19.510	18.896
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	40.599	39.317	40.599	39.317
D	TOTAL NPC (38 TO 40)	60.109	58.213	60.109	58.213
E	NATHPA JHAKHRI(SJVNL)	20.959	20.303	15.249	14.771
F	JHAJJAR	280.218	271.370	15.773	15.262
G	SASAN	77.132	74.757	75.027	72.716
H	Total Central Sector (A+B+C+D+E+F+G)	2365.063	2290.544	1711.635	1657.772
	BILATERAL IMPORT				
viii)	HARYANA(FOR NDPL) LT-05	10.335	10.192	10.192	9.869
xii)	DVC	125.654	124.243	124.243	120.303
xvii)	DVC METHON (NDPL)LT-06	177.056	175.076	175.076	169.567
xix)	DVC HARYANA (LT-09)	0.371	0.366	0.366	0.353
xxvii)	POWER EXCHANGE(IEX)	0.750	0.725	0.750	0.725
xxviii)	POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
I	TOTAL IMPORT	314.166	310.602	310.627	300.817
J	TOTAL ELECTRICAL ENERGY IMPORT	2602.098	2526.389	1947.235	1885.874

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
	EXPORT				
i)	RAJASTHAN	-60.514	-61.547	-61.547	-63.556
vi)	UTTAR PRADESH	-32.578	-33.236	-33.236	-34.320
ix)	NEPAL	-1.193	-1.232	-1.193	-1.232
xii)	ANDHRA PRADESH	-8.354	-8.497	-8.497	-8.774
xiv)	JAMMU & KASHMIR	-138.237	-140.583	-140.583	-145.143
xx)	HIMACHAL PRADESH	-56.100	-56.908	-56.908	-58.811
xxi)	MAHARASHTRA	-5.341	-5.456	-5.456	-5.634
xxiii)	WEST BENGAL	-96.524	-97.613	-97.613	-100.562
xxiv)	UTTRANCHAL	-71.612	-73.057	-73.057	-75.440
xxvi)	TO POWER EXCHANGE (IEX)	-157.763	-163.136	-157.763	-163.136
xxvii)	TO POWER EXCHANGE (PX)	-19.869	-20.516	-19.869	-20.516
xxviii)	TO SHARE PROJECT (HARYANA)	0.000	0.000	0.000	0.000
xxix)	TO POWER EXCHANGE (PUNJAB)	0.000	0.000	0.000	0.000
K	TOTAL EXPORT	-648.085	-661.782	-655.722	-677.125
L	Net Drawal	1954.013	1864.607	1291.513	1208.749
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				37.218
	AVAILABILITY WITHIN DELHI				
i)	RPH				20.257
ii)	GT				58.782
iii)	PRAGATI				196.561
iv)	RITHALA				0.000
v)	BAWANA (CCGT)				0.000
vi)	Timarpur - Okhla Waste Management				9.720
viii)	IMPORT FROM BTPS				250.022
x)	TOTAL DELHI GENERAITON				535.342
xi)	RENEWABLE SOLAR (NDPL)				0.19781
xii)	RENEWABLE SOLAR (BRPL)				0.11610
xiii)	RENEWABLE SOLAR (BYPL)				0.03202
xiv)	RENEWABLE SOLAR (NDMC)				0.000
xv)	NON SOLAR (BRPL)				9.72
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				10.063
N	TOTAL AVAILABILITY				545.405
O	TOTAL CONSUMPTION				1791.372
P	LOAD SHEDDING				6.729
Q	REQUIREMENT				1784.327
R	% DEPENDENCE ON GRID				67.48
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				13.774
T	NET CONSUMPTION OF DELHI				1777.598

9.13 Consolidated Power Supply Position for 2013-14

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
	NTPC STATIONS				
1	SINGRAULI	1151.070	1114.102	1093.065	1057.650
2	RIHAND-I	738.039	714.520	673.152	651.538
3	RIHAND-II	917.311	887.593	835.129	807.769
4	RIHAND-III	478.807	463.847	459.883	445.486
5	UNCHAHAR-I	190.466	184.373	166.638	161.294
6	UNCHAHAR-II	378.064	365.940	342.720	331.705
7	UNCHAHAR-III	224.384	217.107	202.065	195.478
8	DADRI(TH)	5962.960	5771.072	4791.553	4638.569
9	DADRI(TH)- Stage-II	6157.773	5960.790	5514.342	5337.021
10	FARAKA	168.074	162.603	155.648	150.582
11	KHELGAON	384.533	372.109	318.365	307.950
12	KHELGAON-II	1146.444	1109.031	1055.528	1020.859
13	ANTA(GT)	254.898	246.452	190.566	184.138
14	ANTA(Liquid)	110.992	107.704	0.097	0.094
15	ANTA(RLNG)	2.695	2.608	0.000	0.000
16	AURAIYA(GT)	213.192	206.365	139.564	135.070
17	AURAIYA(Liquid)	384.728	372.381	0.357	0.348
18	AURAIYA(RLNG)	1.420	1.366	0.000	0.000
19	DADRI(GT)	436.764	422.511	295.486	285.820
20	DADRI(Liquid)	313.750	303.864	0.544	0.531
21	DADRI (RLNG)	0.885	0.850	0.000	0.000
22	TALCHER	0.000	0.000	0.000	0.000
23	TALA	124.828	121.334	124.390	120.909
A	TOTAL NTPC(TOTAL 1 to 23)	19742.075	19108.524	16359.092	15832.811
	NHPC STATIONS				
24	TANAKPUR	46.013	44.719	45.583	44.299
25	CHAMERA-I	184.214	179.031	180.254	175.170
26	CHAMERA-II	185.404	180.199	180.974	175.880
27	CHAMERA-III	118.472	115.208	118.092	114.838
29	B/SUIL	68.896	66.949	67.309	65.401
28	SALAL	376.053	365.402	370.644	360.128
30	DAULI GANGA	36.747	35.806	35.200	34.299
31	DULASTI	272.667	264.777	269.165	261.363
32	URI(HEP)	277.427	269.444	268.974	261.200
33	URI(HEP)-II	48.676	46.875	48.676	46.875
34	SEWA -II	65.929	64.004	63.914	62.040
35	PARBATI3	0.344	0.334	0.344	0.334
B	TOTAL NHPC(TOTAL 24 to 35)	1680.841	1632.748	1649.128	1601.827
	TEHRI HYDRO				
36	TEHRI	414.251	401.773	414.251	401.773
37	KOTESHWAR	148.453	144.011	148.429	143.989
C	Total THDC (36+37)	562.704	545.784	562.680	545.762

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
	ATOMIC POWER STATIONS				
38	NAPP	256.107	247.763	255.545	247.230
39	RAPP 'B'	0.000	0.000	0.000	0.000
40	RAPP 'C'	441.553	427.302	441.343	427.098
D	TOTAL NPC (38 TO 40)	697.660	675.065	696.888	674.328
E	NATHPA JHAKHRI(SJVNL)	673.613	654.506	627.185	609.727
F	JHAJJAR	2584.632	2498.225	438.605	423.093
G	SASAN	288.483	277.889	284.962	274.485
H	Total Central Sector (A+B+C+D+E+F+G)	26230.007	25392.741	20618.539	19962.033
	BILATERAL IMPORT				
i)	RASJASTHAN	274.467	271.482	271.482	264.363
ii)	GUJRAT	40.901	40.214	40.214	38.640
iii)	ASSAM	39.683	39.173	39.173	38.133
iv)	TRIPURA	14.753	14.609	14.609	14.222
v)	MEGHALAYA	34.864	34.387	34.387	33.453
vi)	WEST BENGAL	99.129	98.276	98.276	95.679
vii)	MADHYA PRADESH	307.082	302.685	302.685	294.787
viii)	HARYANA(FOR NDPL) LT-05	232.344	228.781	228.781	220.961
ix)	HARYANA	66.990	65.585	65.585	62.619
x)	UTTAR PRADESH	147.637	144.368	144.368	138.926
xi)	URS	102.702	100.006	102.702	100.006
xii)	MAHARASHTRA	0.371	0.364	0.364	0.355
xiii)	DVC	2160.532	2135.677	2135.677	2071.317
xiv)	DVC CTPS (BRPL)	3.050	3.015	3.015	2.936
xv)	DVC CTPS (BYPL)	9.884	9.771	9.771	9.525
xvi)	DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
xvii)	DVC METHON (NDPL)LT-06	2007.218	1982.977	1982.977	1919.852
xviii)	DVC MEJIA (LT-O8) BYPL	463.497	458.192	458.192	446.379
xix)	DVC HARYANA (LT-O9)	81.726	80.787	80.787	78.421
xx)	WEST BENGAL	64.690	63.921	63.921	62.324
xxi)	CHATTISHGARH	9.598	9.405	9.405	8.939
xxii)	UTTRANCHAL	38.651	38.259	38.259	37.305
xxiii)	ORISSA	376.678	371.802	371.802	361.926
xxiv)	PUNJAB	45.996	45.525	45.525	44.406
xxv)	HIMACHAL PRADESH	369.316	365.343	365.343	355.856
xxvi)	JAMMU & KASHMIR	476.683	471.498	471.498	459.187
xxvii)	POWER EXCHANGE(IEX)	66.380	64.061	66.380	64.061
xxviii)	POWER EXCHANGE (PX)	0.069	0.067	0.069	0.067
I	TOTAL IMPORT	7534.891	7440.229	7445.246	7224.644
J	TOTAL ELECTRICAL ENERGY IMPORT	33477.180	32555.828	27779.588	26912.939
	EXPORT				
i)	RAJASTHAN	-357.516	-365.840	-365.840	-382.297
ii)	ASSAM	-0.194	-0.197	-0.197	-0.202
iii)	GOA	0.000	0.000	0.000	0.000
iv)	ORISSA	-0.291	-0.295	-0.295	-0.304
v)	GUJRAT	-45.485	-46.318	-46.318	-47.582
vi)	UTTAR PRADESH	-376.741	-384.794	-384.794	-399.613

S. no.	SOURCE	Availability at Power Plant bus	Availability at Delhi periphery	Allocation made by NRLDC at Power Plant	Allocation Made by NRLDC at Delhi periphery
vii)	BIHAR	-0.336	-0.340	-0.340	-0.348
viii)	SIKKIM	-0.360	-0.364	-0.364	-0.374
ix)	NEPAL	-1.193	-1.232	-1.193	-1.232
x)	PUNJAB	-45.735	-46.655	-46.655	-47.817
xi)	CHANDIGARH	-2.812	-2.841	-2.841	-2.912
xii)	CHATTISHGARH	0.000	0.000	0.000	0.000
xiii)	ANDHRA PRADESH	-18.433	-18.784	-18.784	-19.356
xiv)	JAMMU & KASHMIR	-682.449	-696.055	-696.055	-724.382
xv)	KERALA	-28.028	-28.607	-28.607	-29.381
xvi)	JHARKHAND	0.000	0.000	0.000	0.000
xvii)	TRIPURA	-14.284	-14.476	-14.476	-14.887
xviii)	TAMILNADU	-8.453	-8.619	-8.619	-8.887
xix)	MEGHALAYA	-32.638	-33.155	-33.155	-34.383
xx)	HIMACHAL PRADESH	-336.175	-342.459	-342.459	-356.859
xxi)	MAHARASHTRA	-42.793	-43.759	-43.759	-45.397
xxii)	MADHYA PRADESH	-415.909	-423.895	-423.895	-440.388
xxiii)	WEST BENGAL	-129.295	-130.775	-130.775	-134.676
xxiv)	UTTRANCHAL	-239.872	-244.906	-244.906	-253.291
xxv)	TO HARYANA	-60.928	-61.696	-61.696	-63.361
xxvi)	TO POWER EXCHANGE (IEX)	-3042.966	-3136.619	-3042.966	-3136.619
xxvii)	TO POWER EXCHANGE (PX)	-258.606	-267.563	-258.606	-267.563
xxviii)	TO SHARE PROJECT (HARYANA)	-26.599	-27.321	-26.599	-27.321
xxix)	TO POWER EXCHANGE (PUNJAB)	-43.438	-44.597	-43.438	-44.597
K	TOTAL EXPORT	-6211.530	-6372.162	-6267.633	-6484.028
L	Net Drawal	27553.367	26460.808	21796.152	20702.649
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-935.234
	<u>AVAILABILITY WITHIN DELHI</u>				
i)	RPH				379.883
ii)	GT				1040.454
iii)	PRAGATI				2425.053
iv)	RITHALA				0.222
v)	BAWANA (CCGT)				654.048
vi)	Timarpur - Okhla Waste Management				100.384
viii)	IMPORT FROM BTPS				3766.745
x)	TOTAL DELHI GENERAITON				8366.789
xi)	RENEWABLE SOLAR (NDPL)				1.91
xii)	RENEWABLE SOLAR (BRPL)				0.98
xiii)	RENEWABLE SOLAR (BYPL)				0.37
xiv)	RENEWABLE SOLAR (NDMC)				0.13
xv)	NON SOLAR (BRPL)				100.43
xvi)	TOTAL GENERATION FROM RENEWABLE SOURCE				103.815
N	TOTAL AVAILABILITY				8470.604
O	TOTAL CONSUMPTION				28238.019
P	LOAD SHEDDING				76.249
Q	REQUIREMENT				28107.307
R	% DEPENDENCE ON GRID				73.31
S	AUXILIARY CONSUMPTION OF STATIONS WITHIN DELHI				206.961
T	NET CONSUMPTION OF DELHI				28031.058

9.14 LOAD SHEDDING DETAILS FOR 2013-14

Month	Number of Under Frequency Trippings	Load shedding due to under Frequency Relay Operation				
		BYPL	BRPL	TPDDL	NDMC	Total
Apr 2013	10	0.000	0.000	0.000	0.000	0.000
May 2013	8	0.016	0.012	0.000	0.000	0.028
Jun 2013	15	0.008	0.007	0.005	0.000	0.020
July 2013	12	0.009	0.000	0.019	0.000	0.028
Aug. 2013	12	0.003	0.001	0.004	0.000	0.008
Sept 2013	33	0.008	0.012	0.015	0.000	0.035
Oct. 2013	5	0.004	0.000	0.001	0.000	0.005
Nov. 2013	11	0.013	0.001	0.007	0.000	0.021
Dec. 2013	5	0.000	0.000	0.000	0.000	0.000
Jan. 2014	6	0.009	0.002	0.000	0.000	0.011
Feb. 2014	0	0.000	0.000	0.000	0.000	0.000
Mar. 2014	6	0.000	0.014	0.005	0.000	0.019
TOTAL	123	0.070	0.049	0.056	0.000	0.175

Months	Load Shedding due to Grid Restriction							
	To restrict over drawal at low frequency and low voltage				Due to TTC / ATC Violation			
	BYPL	BRPL	TPDDL	NDMC	BYPL	BRPL	TPDDL	NDMC
Apr 2013	1.845	2.072	2.112	0.104	0.000	0.000	0.000	0.000
May 2013	0.085	0.748	0.206	0.007	0.000	0.000	0.000	0.000
Jun 2013	0.133	0.692	0.363	0.000	0.000	0.000	0.000	0.000
July 2013	0.392	0.498	0.776	0.004	0.000	0.000	0.000	0.000
Aug. 2013	0.210	0.686	0.064	0.000	0.000	0.000	0.000	0.000
Sept 2013	0.249	0.317	0.465	0.000	0.000	0.000	0.000	0.000
Oct. 2013	0.771	1.084	0.492	0.000	0.000	0.000	0.000	0.000
Nov. 2013	0.104	0.284	0.146	0.000	0.000	0.000	0.000	0.000
Dec. 2013	0.636	2.354	1.129	0.012	0.000	0.000	0.000	0.000
Jan. 2014	0.333	1.367	1.884	0.000	0.000	0.000	0.000	0.000
Feb. 2014	1.159	1.229	0.662	0.000	0.267	0.147	0.584	0.000
Mar. 2014	1.937	1.210	1.445	0.000	0.000	0.000	0.000	0.000
TOTAL	7.854	12.541	9.744	0.127	0.267	0.147	0.584	0.000

Month	Load Shedding due to Transmission Constraints in Central Sector Transmission System				Total	Total Shedding due to Grid Restrictions
	BYPL	BRPL	TPDDL	NDMC		
Apr 2013	0.000	0.000	0.000	0.000	6.133	6.133
May 2013	0.038	0.141	0.000	0.000	1.225	1.253
Jun 2013	0.242	1.061	0.591	0.011	3.093	3.113
July 2013	0.060	0.036	0.179	0.000	1.945	1.973
Aug. 2013	0.000	0.000	0.000	0.000	0.960	0.968
Sept 2013	0.046	0.409	0.202	0.000	1.688	1.723
Oct. 2013	0.260	0.083	0.096	0.000	2.786	2.791
Nov. 2013	0.000	0.000	0.000	0.000	0.534	0.555
Dec. 2013	0.000	0.000	0.000	0.000	4.131	4.131
Jan. 2014	0.000	0.033	0.230	0.000	3.847	3.858
Feb. 2014	0.133	0.109	0.195	0.000	4.485	4.485
Mar. 2014	0.028	0.000	0.000	0.000	4.620	4.639
TOTAL	0.807	1.872	1.493	0.011	35.447	35.622

Month	Load Shedding due to Trippings / Break-downs / Shut-downs / Constraints in DTL System					Total
	BYPL	BRPL	TPDDL	NDMC	MES	
Apr 2013	0.065	0.278	0.108	0.000	0.000	0.451
May 2013	0.530	2.977	0.357	0.043	0.000	3.907
Jun 2013	1.579	0.802	1.829	0.000	0.000	4.210
July 2013	1.424	2.385	0.314	0.281	0.000	4.404
Aug. 2013	1.248	0.401	0.255	0.078	0.000	1.982
Sept 2013	0.233	0.439	0.362	0.035	0.000	1.069
Oct. 2013	0.173	0.058	0.111	0.009	0.000	0.351
Nov. 2013	0.000	0.085	0.098	0.000	0.000	0.183
Dec. 2013	0.009	0.169	0.072	0.000	0.000	0.250
Jan. 2014	0.111	0.095	0.089	0.000	0.000	0.295
Feb. 2014	0.000	0.145	0.019	0.000	0.000	0.164
Mar. 2014	0.014	0.189	0.023	0.003	0.000	0.229
TOTAL	5.386	8.023	3.637	0.449	0.000	17.495

Months	Load shedding due to Constraints in Discoms System				Load shedding due to Shut-downs / Break-downs / Trippings in the System of other utilities				
	BYPL	BRPL	TPDDL	NDMC	BYPL	BRPL	TPDDL	NDMC	Total
Apr 2013	0.326	0.184	0.066	0.000	0.000	0.000	0.000	0.000	0.000
May 2013	0.680	1.673	0.341	0.000	0.326	0.063	0.007	0.000	0.396
Jun 2013	0.612	5.340	0.667	0.008	0.888	0.061	0.137	0.000	1.086
July 2013	0.376	1.735	0.475	0.000	0.924	0.000	0.031	0.000	0.955
Aug. 2013	0.115	1.114	0.099	0.003	0.000	0.000	0.011	0.000	0.011
Sept 2013	0.317	0.649	0.164	0.000	0.015	0.009	0.031	0.000	0.055
Oct. 2013	0.251	0.383	0.042	0.000	0.118	0.020	0.013	0.000	0.151
Nov. 2013	0.076	0.249	0.137	0.002	0.000	0.000	0.000	0.000	0.000
Dec. 2013	0.129	0.255	0.123	0.000	0.003	0.000	0.000	0.000	0.003
Jan. 2014	0.200	0.212	0.105	0.000	0.000	0.012	0.038	0.000	0.050
Feb. 2014	0.107	0.122	0.373	0.004	0.000	0.000	0.015	0.000	0.015
Mar. 2014	0.304	0.671	0.183	0.000	0.023	0.000	0.000	0.000	0.023
TOTAL	3.493	12.587	2.775	0.017	2.297	0.165	0.283	0.000	2.745

Month	Load shedding carried out in theft prone areas			Total shedding due to T&D Constraints	Total Load Shedding	Net Consumption	Max Demand met in MW	Date	Time in Hrs.
	BYPL	BRPL	TPDDL						
Apr 2013	0.000	0.000	0.000	1.027	7.160	2181.438	4190	30.04.2013	15:36:53
May 2013	0.000	0.000	0.000	6.997	8.250	2938.603	5315	27.05.2013	15:29:47
Jun 2013	0.261	0.000	0.000	12.184	15.297	2949.951	5653	06.06.2013	15:38:41
July 2013	0.000	0.000	0.017	7.962	9.935	3066.689	5384	04.07.2013	15:13:52
Aug. 2013	0.000	0.000	0.003	3.327	4.295	2805.984	4988	26.08.2013	15:46:11
Sept 2013	0.000	0.000	0.005	2.259	3.982	2800.304	4803	11.09.2013	22:59:59
Oct. 2013	0.000	0.000	0.038	1.216	4.007	2295.012	4306	09.10.2013	19:26:56
Nov. 2013	0.000	0.000	0.060	0.707	1.262	1680.704	3576	01.11.2013	18:37:51
Dec. 2013	0.000	0.000	0.035	0.796	4.927	1814.086	3775	31.12.2013	10:13:09
Jan. 2014	0.000	0.000	0.268	1.130	4.988	2015.399	4000	17:01:2014	10:31:16
Feb. 2014	0.126	0.000	0.816	1.727	6.212	1695.190	3670	16.02.2014	10:36:32
Mar. 2014	0.241	0.000	0.439	2.090	6.729	1777.598	3444	04.03.2014	09:52:37
TOTAL	0.628	0.000	1.681	41.422	77.044	28020.958	5653	06.06.2013	15:38:41

Month	Shedding at the time of Peak Demand	Un-restricted Demand	Maximum Un-restricted Demand in MW	Date	Time	Demand at that Time	Shedding at that time
Apr 2013	0	4190	4190	30.04.2013	15:36:53	4190	0
May 2013	0	5315	5315	27.05.2013	15:29:47	5315	0
Jun 2013	61	5714	5714	06.06.2013	15:38:41	5653	61
July 2013	14	5398	5466	02.07.2013	15.01.31	5360	106
Aug. 2013	5	4993	4993	26.08.2013	15:46:11	4988	5
Sept 2013	0	4803	4803	11.09.2013	22:59:59	4803	0
Oct. 2013	10	4316	4316	09.10.2013	19:26:56	4306	10
Nov. 2013	0	3576	3576	01.11.2013	18:37:51	3576	0
Dec. 2013	4	3779	3779	31.12.2013	10:13:09	3775	4
Jan. 2014	0	4000	4079	10.01.2014	10:30	3720	359
Feb. 2014	0	3670	3670	16.02.2014	10:36:32	3670	0
Mar. 2014	0	3444	3528	02.03.2014	10:16:09	3441	87
Max	61	5714	5714	06.06.2013	15:38:41	5653	61

9.15 DEMAND - AVAILABILITY-DEMAND POSITION OF DELHI AT THE TIME OF PEAK DEMAND MET DURING 2013-14

Month	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	Bawana	BTPS	Rithala	TOWMCL	Total						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)= (3) to (9)	(11)	(12)	(13)= (12) - (11)	(14)= (12)+ (13)	(15)	(16)= (14)+ (15)
Apr 13	30	15:36:53	101	175	281	233	505	0	0	1295	2895	3016	121	4190	0	4190
May 13	27	15:29:47	54	178	272	228	571	0	9	1312	4003	4052	49	5315	0	5315
Jun 13	06	15:38:41	51	146	270	188	586	0	10	1251	4402	4047	-355	5653	61	5714
July 13	04	15:13:52	85	152	287	204	466	0	15	1209	4175	4240	65	5384	14	5398
Aug. 13	26	15:46:11	45	114	283	28	404	0	13	887	4101	3775	-326	4988	5	4993
Sept 13	11	22:59:59	0	80	295	277	425	0	16	1093	3710	3492	-218	4803	0	4803
Oct. 13	09	19:26:56	55	110	195	285	484	0	14	1143	3163	3163	0	4306	10	4316
Nov. 13	01	18:37:51	54	79	304	-4	377	0	15	825	2751	2902	151	3576	0	3576
Dec. 13	31	10:13:09	0	81	325	-1	470	0	7	882	2893	2895	2	3775	4	3779
Jan. 14	17	10:31:16	0	162	322	-1	561	0	10	1054	2946	2843	-103	4000	0	4000
Feb. 14	16	10:36:32	0	115	322	-3	467	0	11	912	2758	2577	-181	3670	0	3670
Mar. 14	04	09:52:37	51	79	286	-5	367	0	8	786	2658	2488	-170	3444	0	3444
Max	06	15:38:41	51	146	270	188	586	0	10	1251	4402	4047	-355	5653	61	5714

9.16 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF OCCURRENCE OF MAXIMUM UNRESTRICTED DEMAND DURING 2013-14

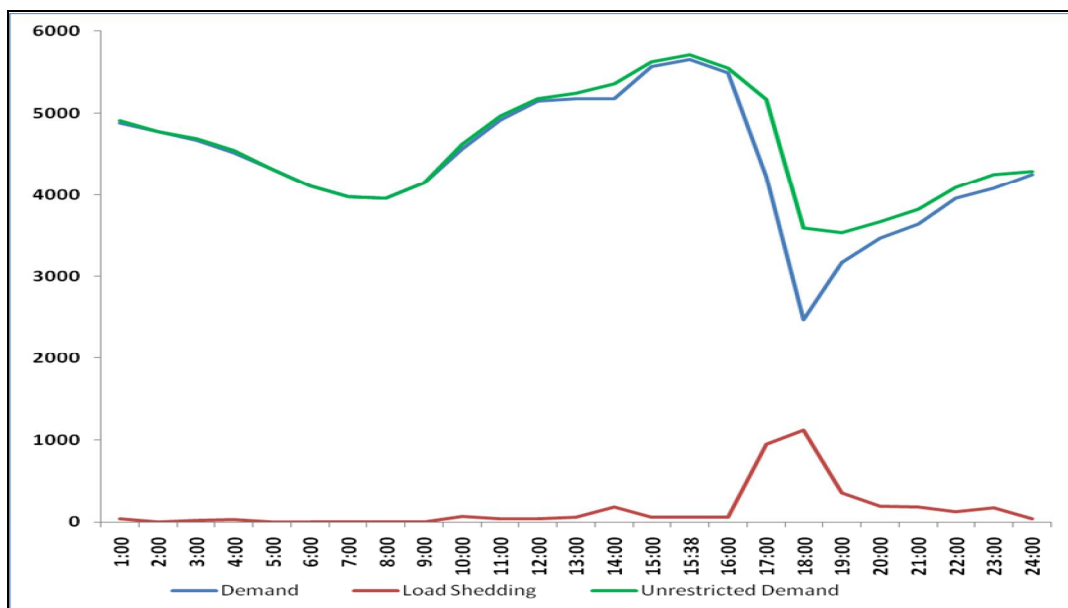
Month	Date	Time of peak demand	Generation within Delhi								Import from the Grid	Schedule from the Grid	OD (-)/UD (+)	Demand met	Shedding	Un-Restricted Demand
			RPH	GT	PPCL	Bawana	BTPS	Rithala	TOWMCL	Total						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)= (3) to (9)	(11)	(12)	(13)= (12) - (11)	(14)= (12)+ (13)	(15)	(16)= (14)+ (15)
Apr 13	30	15:36:53	101	175	281	233	505	0	0	1295	2895	3016	121	4190	0	4190
May 13	27	15:29:47	54	178	272	228	571	0	9	1312	4003	4052	49	5315	0	5315
Jun 13	6	15:38:41	51	146	270	188	586	0	10	1251	4402	4047	-355	5653	61	5714
July 13	2	15:01:13	84	151	180	205	495	0	13	1128	4232	3928	-304	5360	106	5466
Aug. 13	26	15:46:11	45	114	283	28	404	0	13	887	4101	3775	-326	4988	5	4993
Sept 13	11	22:59:59	0	80	295	277	425	0	16	1093	3710	3492	-218	4803	0	4803
Oct. 13	9	19:26:56	55	110	195	285	484	0	14	1143	3163	3163	0	4306	10	4316
Nov. 13	1	18:37:51	54	79	304	-4	377	0	15	825	2751	2902	151	3576	0	3576
Dec. 13	31	10:13:09	0	81	325	-1	470	0	7	882	2893	2895	2	3775	4	3779
Jan. 14	10	10:30:00	0	165	321	-2	470	0	0	954	2766	2658	-108	3720	359	4079
Feb. 14	16	10:36:32	0	115	322	-3	467	0	11	912	2758	2577	-181	3670	0	3670
Mar. 14	2	10:16:09	52	78	271	-5	367	0	12	775	2666	2075	-591	3441	87	3528
Max	6	15:38:41	51	146	270	188	586	0	10	1251	4402	4047	-355	5653	61	5714

9.17 LOAD PATTERN

9.17.1 SUMMER SEASON

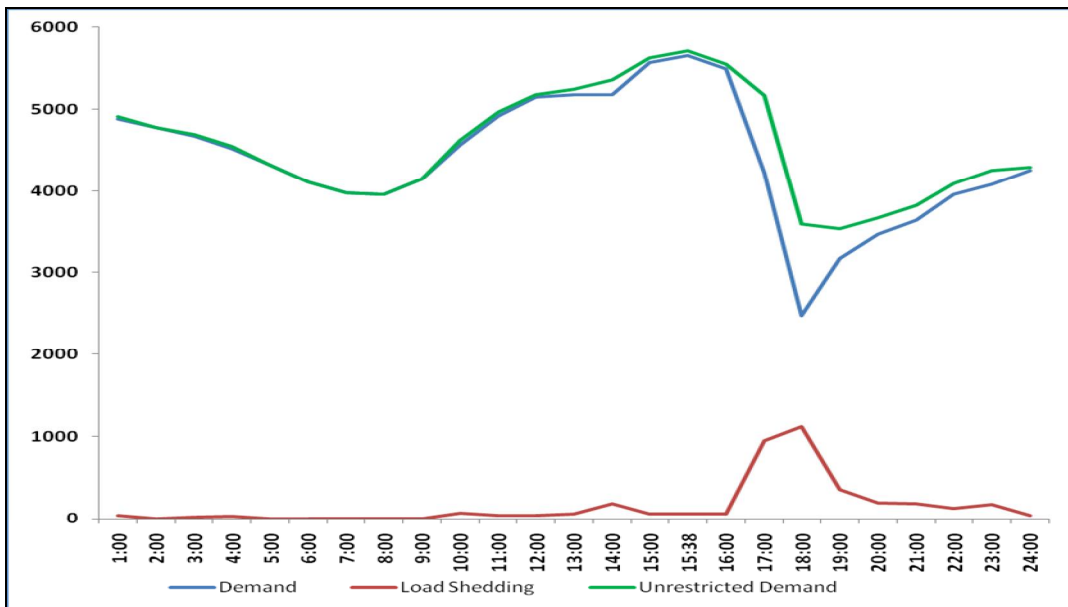
9.17.1.1 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM PEAK DEMAND MET DURING SUMMER 2013-14 - 06.06.2013 - 5653MW at 15:38:41 Hrs.

Time (Hrs).	Demand in MW	Load Shedding in MW	Un-Restricted Demand in MW
1:00	4879	36	4915
2:00	4774	3	4777
3:00	4673	16	4689
4:00	4520	30	4550
5:00	4319	2	4321
6:00	4107	0	4107
7:00	3974	0	3974
8:00	3953	0	3953
9:00	4147	0	4147
10:00	4562	63	4625
11:00	4922	42	4964
12:00	5147	34	5181
13:00	5180	61	5241
14:00	5178	186	5364
15:00	5567	59	5626
15:38:41	5653	61	5714
16:00	5491	61	5552
17:00	4221	945	5166
18:00	2480	1117	3597
19:00	3177	358	3535
20:00	3474	195	3669
21:00	3643	183	3826
22:00	3960	126	4086
23:00	4082	168	4250
24:00	4256	34	4290
Energy in Mus	107.984	3.492	111.476



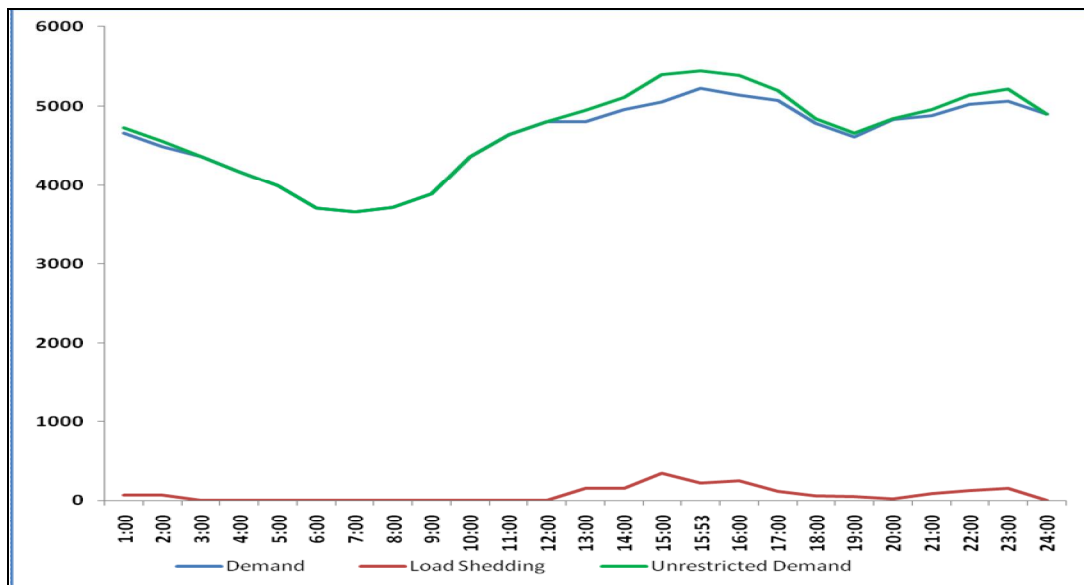
9.17.1.2 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED DEMAND DURING SUMMER 2013-14– 5714 MW ON 06.06.2013 AT 15:38:41 Hrs.

Time (Hrs).	Demand in MW	Load Shedding in MW	Un-Restricted Demand in MW
1:00	4879	36	4915
2:00	4774	3	4777
3:00	4673	16	4689
4:00	4520	30	4550
5:00	4319	2	4321
6:00	4107	0	4107
7:00	3974	0	3974
8:00	3953	0	3953
9:00	4147	0	4147
10:00	4562	63	4625
11:00	4922	42	4964
12:00	5147	34	5181
13:00	5180	61	5241
14:00	5178	186	5364
15:00	5567	59	5626
15:38:41	5653	61	5714
16:00	5491	61	5552
17:00	4221	945	5166
18:00	2480	1117	3597
19:00	3177	358	3535
20:00	3474	195	3669
21:00	3643	183	3826
22:00	3960	126	4086
23:00	4082	168	4250
24:00	4256	34	4290
Energy in Mus	107.984	3.492	111.476



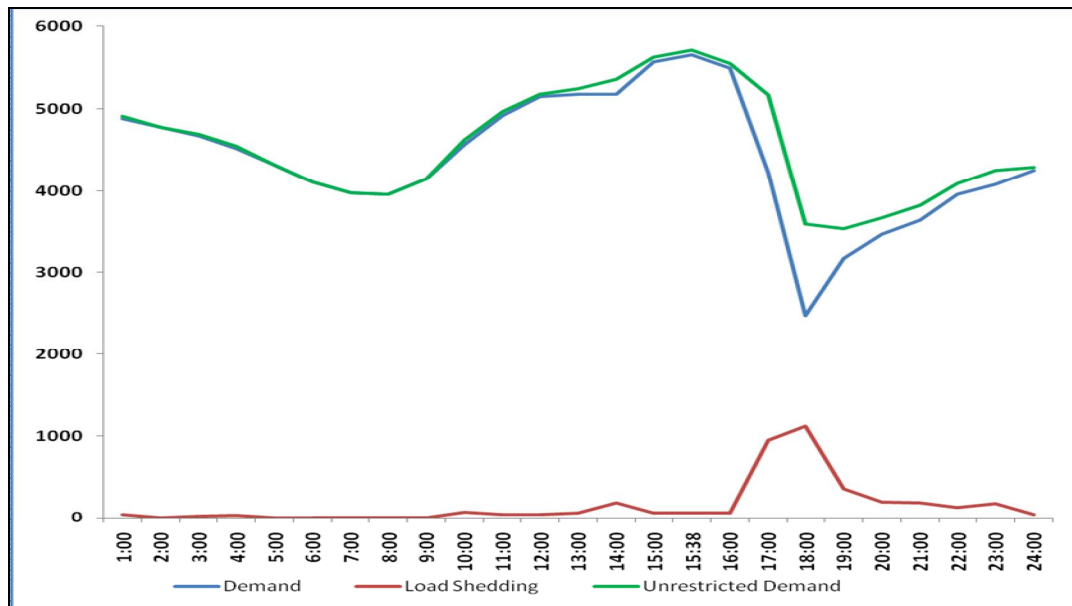
9.17.1.3 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING SUMMER 2013-14 – 109.661 MUs ON 10.06.2013

Time (Hrs).	Demand in MW	Load Shedding in MW	Un-Restricted Demand in MW
1:00	4660	69	4729
2:00	4487	69	4556
3:00	4366	4	4370
4:00	4170	0	4170
5:00	3988	0	3988
6:00	3704	0	3704
7:00	3658	0	3658
8:00	3714	0	3714
9:00	3886	0	3886
10:00	4369	0	4369
11:00	4645	0	4645
12:00	4801	0	4801
13:00	4801	152	4953
14:00	4955	153	5108
15:00	5056	342	5398
15:53:27	5226	220	5446
16:00	5139	248	5387
17:00	5077	116	5193
18:00	4784	57	4841
19:00	4612	49	4661
20:00	4832	15	4847
21:00	4878	85	4963
22:00	5023	120	5143
23:00	5064	148	5212
24:00	4899	0	4899
Energy in Mus	109.661	1.815	111.476



9.17.1.4 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING SUMMER 2013-14 – 111.476MUs ON 06.06.2013

Time (Hrs).	Demand in MW	Load Shedding in MW	Un-Restricted Demand in MW
1:00	4879	36	4915
2:00	4774	3	4777
3:00	4673	16	4689
4:00	4520	30	4550
5:00	4319	2	4321
6:00	4107	0	4107
7:00	3974	0	3974
8:00	3953	0	3953
9:00	4147	0	4147
10:00	4562	63	4625
11:00	4922	42	4964
12:00	5147	34	5181
13:00	5180	61	5241
14:00	5178	186	5364
15:00	5567	59	5626
15:38:41	5653	61	5714
16:00	5491	61	5552
17:00	4221	945	5166
18:00	2480	1117	3597
19:00	3177	358	3535
20:00	3474	195	3669
21:00	3643	183	3826
22:00	3960	126	4086
23:00	4082	168	4250
24:00	4256	34	4290
Energy in Mus	107.984	3.492	111.476

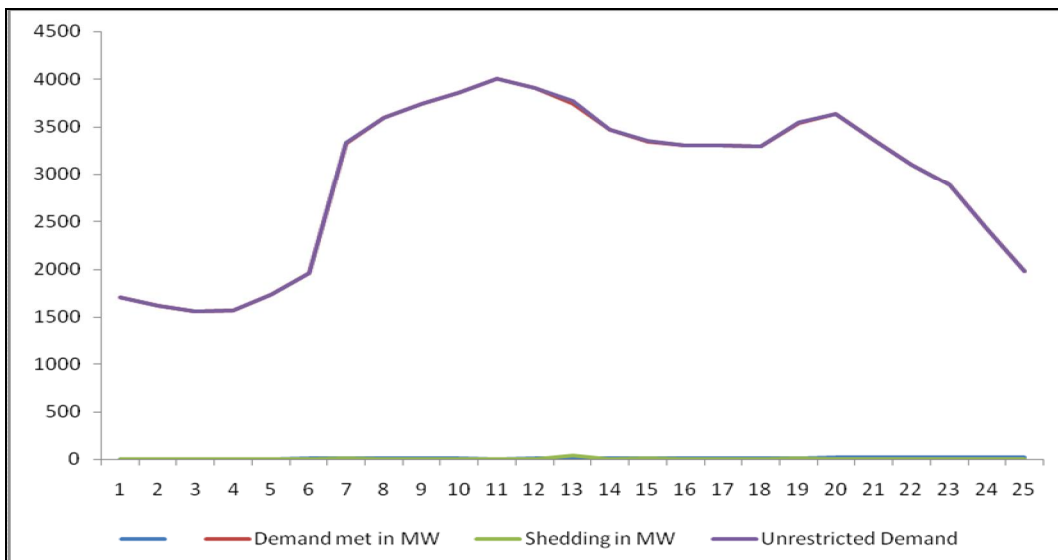


9.17.2 WINTER LOAD PATTERN

9.17.2.1 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING WINTER 2013-14 4000 MW ON 17.01.2014 at 10:31:16 Hrs.

All figures in MW

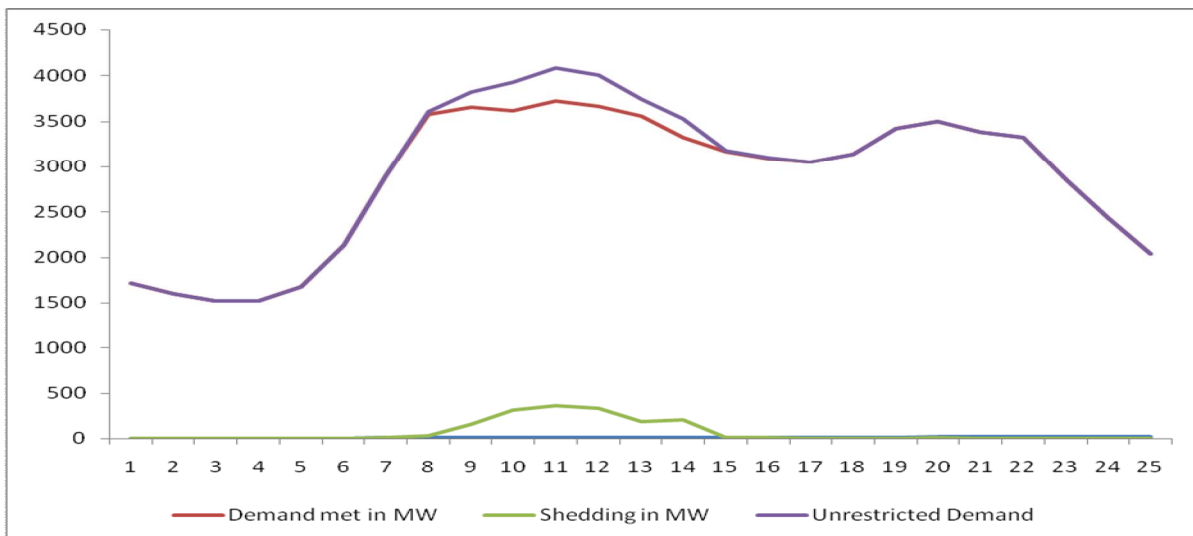
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1706	0	1706
2.00	1620	0	1620
3.00	1562	0	1562
4.00	1572	0	1572
5.00	1736	0	1736
6.00	1960	0	1960
7.00	3317	8	3325
8.00	3589	0	3589
9.00	3739	0	3739
10.00	3859	0	3859
10:31:16	4000	0	4000
11.00	3902	0	3902
12.00	3733	36	3769
13.00	3467	0	3467
14.00	3341	12	3353
15.00	3305	0	3305
16.00	3296	0	3296
17.00	3292	0	3292
18.00	3536	5	3541
19.00	3634	0	3634
20.00	3357	0	3357
21.00	3096	0	3096
22.00	2882	0	2882
23.00	2427	0	2427
24.00	1975	0	1975
ENERGY IN Mus	72.462	0.092	72.554



**9.17.2.2 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND
WINTER 2013-14 – 4079 MW ON 10.01.2014 at 10:30 Hrs.**

All figures in MW

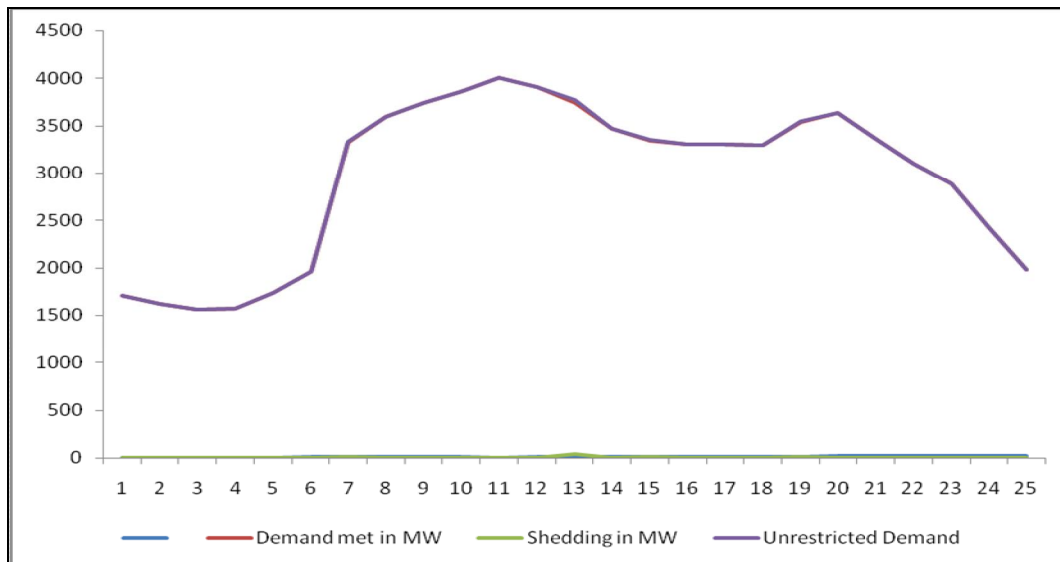
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1723	0	1723
2.00	1600	0	1600
3.00	1525	0	1525
4.00	1525	0	1525
5.00	1678	0	1678
6.00	2134	0	2134
7.00	2891	8	2899
8.00	3572	27	3599
9.00	3656	158	3814
10.00	3613	308	3921
10.30	3720	359	4079
11.00	3666	333	3999
12.00	3558	181	3739
13.00	3324	202	3526
14.00	3167	7	3174
15.00	3090	7	3097
16.00	3054	0	3054
17.00	3135	0	3135
18.00	3416	0	3416
19.00	3492	7	3499
20.00	3379	0	3379
21.00	3318	0	3318
22.00	2857	0	2857
23.00	2442	0	2442
24.00	2044	0	2044
ENERGY IN Mus	68.179	1.179	69.358



9.17.2.3 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING WINTER 2013-14 – 70.282 MUs ON 17.01.2014

All figures in MW

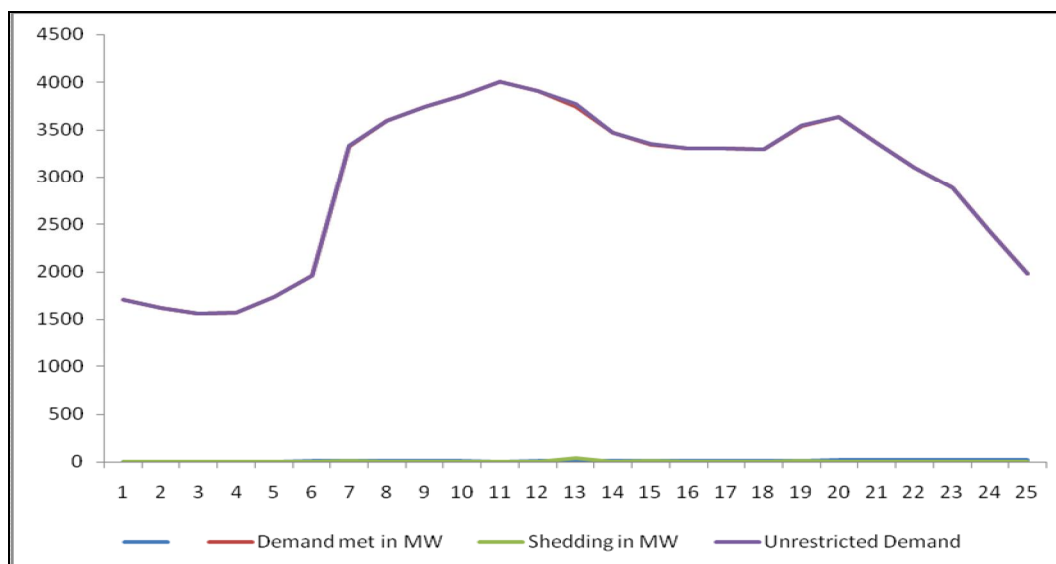
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1706	0	1706
2.00	1620	0	1620
3.00	1562	0	1562
4.00	1572	0	1572
5.00	1736	0	1736
6.00	1960	0	1960
7.00	3317	8	3325
8.00	3589	0	3589
9.00	3739	0	3739
10.00	3859	0	3859
10:31:16	4000	0	4000
11.00	3902	0	3902
12.00	3733	36	3769
13.00	3467	0	3467
14.00	3341	12	3353
15.00	3305	0	3305
16.00	3296	0	3296
17.00	3292	0	3292
18.00	3536	5	3541
19.00	3634	0	3634
20.00	3357	0	3357
21.00	3096	0	3096
22.00	2882	0	2882
23.00	2427	0	2427
24.00	1975	0	1975
ENERGY IN Mus	70.282	0.092	70.374



9.17.2.4 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING WINTER 2013-14– 70.374 MUs ON 17.01.2014

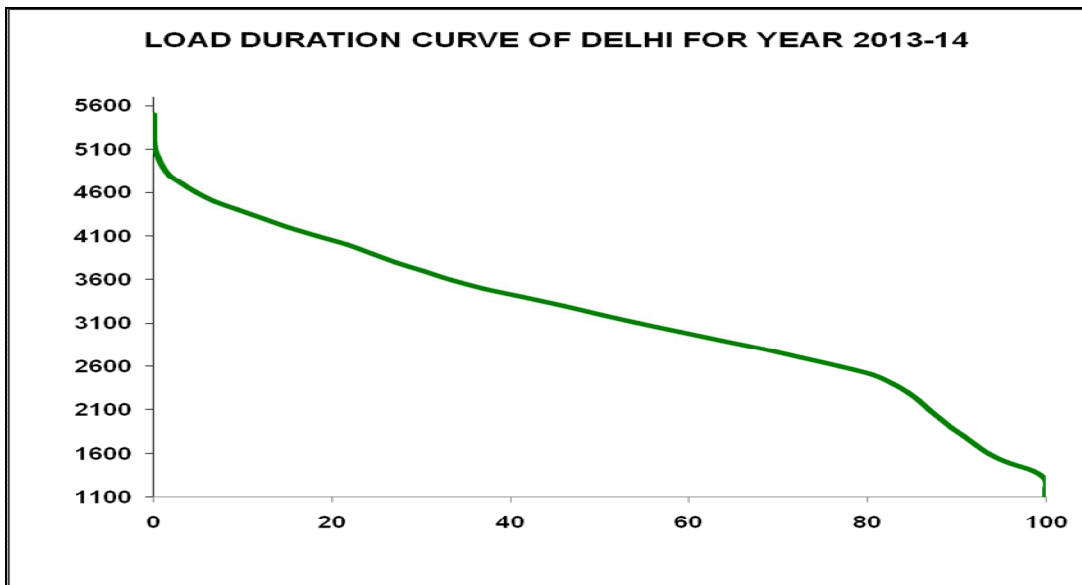
All figures in MW

Hrs.	Demand met	Load Shedding	Un-Restricted Demand
1.00	1706	0	1706
2.00	1620	0	1620
3.00	1562	0	1562
4.00	1572	0	1572
5.00	1736	0	1736
6.00	1960	0	1960
7.00	3317	8	3325
8.00	3589	0	3589
9.00	3739	0	3739
10.00	3859	0	3859
10:31:16	4000	0	4000
11.00	3902	0	3902
12.00	3733	36	3769
13.00	3467	0	3467
14.00	3341	12	3353
15.00	3305	0	3305
16.00	3296	0	3296
17.00	3292	0	3292
18.00	3536	5	3541
19.00	3634	0	3634
20.00	3357	0	3357
21.00	3096	0	3096
22.00	2882	0	2882
23.00	2427	0	2427
24.00	1975	0	1975
ENERGY IN Mus	70.282	0.092	70.374



9.18 LOAD DURATION CURVE FOR 2013-14 (Based on SCADA)

LOAD REMAINED ABOVE IN MW	DURATION IN HOURS	(%) OF TIME	LOAD REMAINED ABOVE IN MW	DURATION IN HOURS	(%) OF TIME
5600	0.25	0.003	3300	4023.50	45.805
5500	1.25	0.014	3200	4396.00	50.046
5400	2.25	0.026	3100	4762.00	54.212
5300	4.50	0.051	3000	5169.50	58.851
5200	8.25	0.094	2900	5589.50	63.633
5100	19.00	0.216	2800	5979.50	68.073
5000	48.00	0.546	2700	6363.50	72.444
4900	89.25	1.016	2600	6736.75	76.693
4800	160.25	1.824	2500	7055.75	80.325
4700	275.00	3.131	2400	7252.75	82.568
4600	416.00	4.736	2300	7399.50	84.238
4500	597.75	6.805	2200	7517.00	85.576
4400	820.50	9.341	2100	7614.25	86.683
4300	1073.50	12.221	2000	7715.75	87.839
4200	1327.25	15.110	1900	7830.25	89.142
4100	1618.75	18.428	1800	7951.00	90.517
4000	1902.00	21.653	1700	8068.50	91.855
3900	2142.00	24.385	1600	8195.25	93.297
3800	2376.75	27.058	1500	8372.50	95.315
3700	2638.50	30.038	1400	8636.75	98.324
3600	2920.00	33.242	1300	8750.75	99.621
3500	3247.25	36.968	1200	8759.00	99.715
3400	3625.00	41.268	1100	8784.00	100.000



10 FREQUENCY SPECTRUM OF NORTHERN REGION [(NORTH-EAST-WEST)(NEW)] FOR 2013-14

Month	Frequency in Hz.			Frequency Variation in d (FVI)	Percentage of Time					
	Ave.	Max	Min.		Above 50.2Hz.	Between 50.2-49.7Hz.	Between 50.2-49.5Hz.	Below 49.7Hz.	Below 49.5Hz	Below 49.2Hz
Apr-13	50.02	50.67	49.29	0.25	9.91	89.97	92.95	3.46	0.17	0.00
May-13	50.37	50.72	49.25	0.22	11.35	87.62	88.62	1.03	0.03	0.00
Jun-13	50.07	50.77	49.05	0.31	17.66	80.71	82.18	1.64	0.13	0.01
Jul-13	50.07	50.63	49.02	0.22	14.70	84.83	85.26	0.50	0.04	0.01
Aug-13	50.11	50.77	49.37	0.37	23.61	75.52	76.29	0.86	0.09	0.00
Sep-13	50.03	50.60	49.21	0.20	9.30	89.31	90.57	1.39	0.13	0.00
Oct-13	50.03	50.63	49.28	0.20	9.65	89.32	90.29	1.03	0.08	0.00
Nov-13	50.02	50.51	49.48	0.19	7.93	90.83	92.07	1.25	0.00	0.00
Dec-13	50.02	50.69	49.33	0.23	9.56	88.53	90.39	1.91	0.05	0.00
Jan-14	50.03	50.67	49.40	0.18	9.69	89.68	90.30	0.62	0.01	0.00
Feb-14	50.05	50.56	49.60	0.22	10.06	89.47	89.94	0.47	0.00	0.00
Mar-14	50.02	50.47	49.28	0.14	5.40	94.35	94.59	0.25	0.01	0.00
2013-14	50.07	50.77	49.02	0.23	11.37	87.74	88.60	1.20	0.06	0.00

11 DETAILS OF UNDER FREQUENCY RELAY TRIPPINGS OCCURRED IN 2013-14

MONTH	STAGE-1	STAGE-2	df/dt (49.9Hz with slop 0.1, 0.2, 0.3Hz/Sec)	TOTAL
APRIL 2013	10	0	0	10
MAY 2013	8	0	0	8
JUNE 2013	15	0	0	15
JULY 2013	12	0	0	12
AUGUST 2013	12	0	0	12
SEPTEMBER 2013	33	0	0	33
OCTOBER 2013	5	0	0	5
NOVEMBER 2013	11	0	0	11
DECEMBER 2013	5	0	0	5
JANUARY 2014	6	0	0	6
FEBRUARY 2014	0	0	0	0
MARCH 2014	6	0	0	6
TOTAL 2013-14	123	0	0	123

12 INTRASTATE TRANSMISSION LOSSES

12.1 WEEK WISE INTRASTATE TRANSMISSION LOSSES FOR 2013-14 (Based on SEM data)

Week No.	Avg Trans. Loss in %age	Actual drawal from the grid in Mus	Actual Ex-bus generation with in Delhi in Mus					Total
			RPH	GT	PRAGATI	BTPS	Bawana	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=sum(4 to 8)
1	1.22	255.888	15.443	27.293	47.243	88.642	0.477	179.098
2	1.34	311.810	16.301	34.234	47.688	86.931	0.255	185.408
3	1.07	364.153	16.027	26.553	44.217	80.632	-0.432	166.998
4	1.26	358.925	16.786	31.433	42.666	91.496	7.558	189.939
5	1.16	372.024	11.411	24.820	47.499	89.583	37.090	210.403
6	1.13	419.504	16.076	23.391	47.483	87.957	40.045	214.951
7	1.01	439.901	14.797	16.860	46.755	85.475	37.895	201.782
8	1.09	509.831	7.315	26.775	46.483	90.463	38.310	209.347
9	1.07	499.967	8.656	24.889	46.985	90.727	35.325	206.583
10	1.02	539.879	10.401	22.061	46.103	92.299	17.226	188.090
11	1.10	508.187	14.818	18.497	42.654	77.400	11.806	165.174
12	1.07	487.841	7.944	24.440	23.488	80.259	16.617	152.747
13	1.17	509.316	13.208	26.663	44.522	85.284	35.483	205.160
14	1.15	542.606	13.360	21.199	45.287	78.375	34.110	192.331
15	1.13	508.068	5.927	16.424	46.837	70.090	25.634	164.911
16	1.16	535.618	5.625	20.545	47.179	73.132	-0.606	145.874
17	1.04	529.686	1.747	17.049	45.605	69.816	-0.449	133.768
18	0.88	536.088	4.662	20.695	47.081	78.727	2.916	154.080
19	0.80	433.568	10.097	18.558	45.861	75.211	36.029	185.756
20	0.75	431.067	6.721	13.347	41.995	60.022	38.012	160.096
21	0.68	482.855	5.340	13.229	46.105	67.010	2.501	134.186
22	0.65	500.766	7.894	15.665	41.796	66.400	33.803	165.560
23	1.02	496.327	7.219	19.898	46.706	55.495	42.647	171.964
24	0.79	498.095	7.930	17.742	47.305	64.768	45.449	183.193
25	0.75	423.378	12.972	20.594	45.879	88.809	43.462	211.716
26	0.72	468.463	8.218	23.546	40.990	80.485	14.257	167.497
27	0.71	422.565	-0.229	16.540	45.706	71.841	-0.763	133.095

Week No.	Avg Trans. Loss in %age	Actual drawal from the grid in Mus	Actual Ex-bus generation with in Delhi in Mus					
			RPH	GT	PRAGATI	BTPS	Bawana	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=sum(4 to 8)
28	0.80	417.022	2.897	16.192	40.157	68.759	20.857	148.863
29	0.73	386.634	7.810	17.115	33.446	75.734	-0.809	133.296
30	0.61	332.545	12.504	15.435	45.596	67.505	-0.637	140.402
31	0.68	301.569	11.154	12.904	45.667	62.281	-0.474	131.531
32	0.65	266.499	0.475	13.531	45.397	52.672	-0.399	111.676
33	0.62	277.920	-0.090	13.426	49.102	42.331	-0.372	104.397
34	0.75	278.018	-0.086	13.096	49.341	50.015	-0.421	111.945
35	0.50	267.556	-0.038	13.427	49.441	62.871	-0.413	125.288
36	0.68	265.169	-0.038	13.420	48.035	62.377	-0.431	123.363
37	0.70	287.509	-0.044	13.405	50.191	49.941	-0.461	113.033
38	1.00	288.201	-0.162	17.642	46.084	60.033	0.881	124.479
39	0.91	288.980	-0.133	14.123	52.294	72.428	-0.355	138.356
40	0.95	301.932	-0.092	18.250	52.325	74.066	-0.507	144.043
41	0.92	322.702	-0.095	25.515	35.435	74.268	-0.467	134.656
42	1.27	307.115	-0.078	26.606	43.456	83.903	-0.568	153.319
43	1.21	301.631	-0.123	22.758	45.559	87.186	-0.606	154.775
44	1.25	287.554	-0.108	25.351	50.505	76.671	0.025	152.444
45	1.23	261.586	-0.102	26.358	48.994	84.999	-0.494	159.756
46	0.96	286.032	-0.129	20.815	49.888	71.865	2.685	145.124
47	0.99	281.593	-0.100	18.457	49.798	69.082	6.714	143.951
48	0.98	275.218	7.377	12.849	41.913	67.636	1.564	131.339
49	1.08	268.130	8.338	12.788	45.469	64.948	-0.734	130.808
50	1.01	279.948	6.824	13.488	39.399	54.107	-0.593	113.225
51	0.80	278.678	-0.171	12.194	40.476	51.473	-0.632	103.340
52	0.83	308.677	-0.133	12.848	46.361	50.852	-0.600	109.328
53	0.83	44.500	-0.022	1.862	6.659	7.436	0.084	16.018
Total 2013-14	0.95	19851.744	321.049	1006.792	2359.108	3772.769	617.324	8077.043

Week	Total Consumption of Delhi at DTL periphery in Mus	Actual drawal of distribution licensees and deemed licensees in MUs							Transmission losses in	
		TPDDL	BRPL	BYPL	NDMC	MES	IP	Total	in Mus	in %
(1)	(10)=(3)+(9)	(11)	(12)	(13)	(14)	(15)	(16)	(17)=(11)+(12)+(13)+(14)+(15)+(17)	(18)=(10)-(17)	(19)=(18)*100/10
1	434.986	128.821	174.797	100.620	21.898	3.523	0.011	429.671	5.315	1.22
2	497.218	143.074	202.166	115.913	25.472	3.928	0.013	490.565	6.653	1.34
3	531.151	152.023	218.609	124.745	26.033	4.068	0.013	525.492	5.659	1.07
4	548.864	156.392	226.028	128.398	26.861	4.234	0.014	541.927	6.937	1.26
5	582.427	163.121	242.007	136.820	29.118	4.573	0.015	575.654	6.774	1.16
6	634.455	176.424	264.333	149.653	31.966	4.897	0.016	627.288	7.167	1.13
7	641.683	177.969	268.325	151.723	32.308	4.873	0.016	635.213	6.470	1.01
8	719.178	197.210	303.378	169.615	35.873	5.246	0.016	711.338	7.840	1.09
9	706.550	192.133	299.635	166.255	35.777	5.148	0.016	698.965	7.585	1.07
10	727.969	197.472	307.647	172.399	37.600	5.414	0.016	720.548	7.421	1.02
11	673.361	184.474	281.645	158.806	35.938	5.095	0.015	665.973	7.388	1.10
12	640.589	178.741	264.572	152.360	33.420	4.619	0.011	633.724	6.865	1.07
13	714.475	198.128	298.606	167.537	36.507	5.312	0.012	706.102	8.374	1.17
14	734.937	204.399	306.081	173.231	37.166	5.564	0.012	726.453	8.484	1.15
15	672.979	188.873	274.994	162.065	34.335	5.089	0.011	665.367	7.611	1.13
16	681.492	191.467	282.390	162.200	32.345	5.205	0.012	673.620	7.872	1.16
17	663.455	187.499	273.574	158.042	32.347	5.109	0.010	656.581	6.873	1.04
18	690.169	194.688	284.700	165.467	34.097	5.160	0.011	684.124	6.045	0.88
19	619.324	175.925	253.288	149.914	30.540	4.705	0.013	614.385	4.940	0.80
20	591.163	167.181	242.435	142.528	29.962	4.632	0.011	586.750	4.413	0.75
21	617.041	173.286	253.535	150.027	31.222	4.767	0.011	612.849	4.192	0.68
22	666.326	188.000	275.303	161.530	32.125	5.009	0.011	661.979	4.347	0.65
23	668.291	189.705	273.656	162.202	30.819	5.075	0.011	661.469	6.822	1.02
24	681.288	193.430	279.875	163.996	33.489	5.112	0.011	675.913	5.375	0.79
25	635.094	179.258	261.017	152.725	32.508	4.824	0.011	630.343	4.752	0.75
26	635.960	179.959	259.962	153.749	32.799	4.879	0.011	631.359	4.600	0.72
27	555.660	160.880	225.212	133.228	28.080	4.302	0.011	551.713	3.947	0.71

Week	Total Consumption of Delhi at DTL periphery in Mus	Actual drawal of distribution licensees and deemed licensees in MUs							Transmission losses in	
		TPDDL	BRPL	BYPL	NDMC	MES	IP	Total	in Mus	in %
(1)	(10)=(3)+(9)	(11)	(12)	(13)	(14)	(15)	(16)	(17)=(11)+(12)+(13)+(14)+(15)+(17)	(18)=(10)-(17)	(19)=(18)*100/10
28	565.884	163.466	229.745	135.986	27.800	4.337	0.011	561.346	4.539	0.80
29	519.930	153.094	208.489	125.430	25.225	3.867	0.011	516.116	3.814	0.73
30	472.948	141.974	186.336	114.285	23.879	3.592	0.011	470.077	2.870	0.61
31	433.100	129.183	171.899	104.044	21.668	3.342	0.011	430.148	2.952	0.68
32	378.175	109.356	154.049	89.819	19.246	3.238	0.011	375.718	2.457	0.65
33	382.317	117.062	152.568	88.686	18.216	3.418	0.011	379.961	2.356	0.62
34	389.963	119.319	154.850	90.506	18.777	3.587	0.011	387.050	2.912	0.75
35	392.844	120.674	156.551	90.478	19.567	3.585	0.011	390.865	1.979	0.50
36	388.532	118.111	155.324	89.798	18.935	3.697	0.011	385.875	2.657	0.68
37	400.542	122.490	160.011	91.579	19.723	3.951	-0.004	397.750	2.791	0.70
38	412.680	124.719	164.824	94.415	20.283	4.311	-0.004	408.548	4.132	1.00
39	427.335	128.313	172.148	97.143	20.945	4.889	-0.004	423.434	3.901	0.91
40	445.975	129.736	182.063	101.017	23.391	5.545	-0.004	441.748	4.227	0.95
41	457.359	132.028	186.770	103.779	24.810	5.770	-0.004	453.154	4.205	0.92
42	460.434	132.467	188.225	104.077	24.040	5.766	-0.004	454.571	5.863	1.27
43	456.406	131.040	186.732	103.221	24.015	5.863	-0.004	450.867	5.539	1.21
44	439.998	129.812	176.276	100.118	23.121	5.172	-0.004	434.496	5.502	1.25
45	421.342	127.108	166.733	96.690	21.091	4.523	-0.004	416.141	5.201	1.23
46	431.156	129.221	171.563	98.503	22.626	5.120	-0.004	427.030	4.127	0.96
47	425.544	128.606	169.335	96.889	21.822	4.671	0.009	421.331	4.213	0.99
48	406.557	123.672	161.033	93.322	20.305	4.260	-0.004	402.587	3.970	0.98
49	398.938	123.788	156.342	91.436	19.202	3.874	0.004	394.647	4.290	1.08
50	393.173	122.280	154.093	90.128	19.214	3.491	0.004	389.210	3.963	1.01
51	382.018	113.721	154.276	89.397	18.355	3.197	0.004	378.950	3.068	0.80
52	418.005	128.928	165.388	96.734	20.119	3.364	0.004	414.538	3.467	0.83
53	60.518	18.554	23.997	13.773	3.009	0.494	0.001	414.538	3.467	0.83
Total 2013- 14	27928.787	8039.259	11407.392	6577.006	1401.296	237.287	0.418	27662.658	266.129	0.95

12.2 MONTH WISE TRANSMISSION LOSSES FOR 2013-14

Month	TPDDL	BRPL	BYPL	NDMC	MES	IP	Total supply to disoms
1	2	3	4	5	6	7	8=sum(2 to 7)
Apr-13	627.8834	891.975	508.594	109.287	17.135	0.055	2154.930
May-13	808.6724	1228.083	690.564	147.796	22.084	0.069	2897.268
Jun-13	809.4273	1231.690	695.687	151.689	21.711	0.058	2910.263
Jul-13	857.3249	1261.037	726.325	151.835	23.278	0.050	3019.850
Aug-13	788.7677	1148.995	677.009	138.761	21.328	0.050	2774.911
Sep-13	792.2248	1145.582	674.338	139.169	21.210	0.047	2772.571
Oct-13	672.4957	914.493	549.126	113.526	17.377	0.049	2267.067
Nov-13	501.6639	669.439	390.724	81.925	14.721	0.047	1658.519
Dec-13	547.1381	725.147	413.460	89.280	18.964	-0.001	1793.987
Jan-14	582.4745	819.085	455.671	106.475	25.098	-0.019	1988.785
Feb-14	510.8158	672.648	387.123	86.396	18.767	-0.003	1675.747
Mar-14	540.3705	699.218	408.385	85.156	15.614	0.016	1748.760
Total	8039.259	11407.392	6577.006	1401.296	237.287	0.418	27662.658

Month	GT	RPH	PPCL	BTPS	Drawal from the Grid	Bawana
1	8	9	10	11	12	13
Apr-13	125.603	69.320	195.757	373.337	1400.558	16.787
May-13	105.176	49.415	208.008	392.321	2004.720	170.202
Jun-13	97.128	49.362	170.021	361.491	2174.399	90.666
Jul-13	83.777	26.563	205.606	324.193	2354.817	58.484
Aug-13	71.195	33.804	195.715	305.162	2081.676	108.061
Sep-13	87.287	37.299	193.670	310.605	2013.992	151.081
Oct-13	68.962	30.474	184.577	308.049	1672.537	18.499
Nov-13	57.013	3.981	206.167	224.794	1179.083	-1.735
Dec-13	64.283	-0.418	218.389	275.331	1252.103	-0.576
Jan-14	107.808	-0.434	197.878	350.355	1357.556	-1.844
Feb-14	81.885	4.546	191.893	298.463	1106.143	10.601
Mar-14	56.676	17.137	191.426	248.670	1254.159	-2.903
Total	1006.792	321.049	2359.108	3772.769	19851.744	617.324

Month	Total Injection For supply to Discoms	Losses in MUs	Losses in %	Losses in % during previous year
1	14=Sum(8to13)	15=14-7	16=15*100/14	17
Apr-13	2181.362	26.432	1.21	1.22
May-13	2929.842	32.575	1.11	1.25
Jun-13	2943.068	32.805	1.11	1.37
Jul-13	3053.440	33.590	1.10	1.18
Aug-13	2795.612	20.701	0.74	1.11
Sep-13	2793.934	21.363	0.76	1.02
Oct-13	2283.098	16.031	0.70	1.08
Nov-13	1669.304	10.785	0.65	1.37
Dec-13	1809.112	15.125	0.84	1.19
Jan-14	2011.320	22.534	1.12	1.06
Feb-14	1693.531	17.784	1.05	1.01
Mar-14	1765.164	16.404	0.93	1.06
Total	27928.787	266.129	0.95	1.17

13 ALLOCATION OF POWER TO DISCOMS FOR 2013-14

13.1 ALLOCATION FROM CENTRAL SECTOR

i) Allocation to Delhi w.e.f.22.03.2011 to 18.11.2014 from Central Sector Generating Stns.

All figures in MW

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	500	75	66	57	0	0	57
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
TOTAL NTPC	9282	1227	2240	1959	0	0	1959
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 HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	0	0	15
Dhaulti Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL NHPC	3305	206	380	361	0	0	361
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL NPC	1320	194	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 THDC	1400	139	142	135	0	0	135
Total (NTPC + NHPC + NPC + SVJNL + THDC)	16807	1915	3007	2680	0	0	2680

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
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	6210	153	290	242	0	0	242
Joint Venture							
Jhajjar TPS	1500	114	377	327	0	0	327
Grand Total	24517	2182	3674	3249	0	0	3249

ii) **Allocation to Delhi w.e.f.19.11.2013 to 26.03.2014 from Central Sector Generating Stns.**

All figures in MW

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	500	75	66	57	0	0	57
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
TOTAL NTPC	9282	1227	2240	1959	0	0	1959
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 HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	0	0	15
Dhuali Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL NHPC	3305	206	380	361	0	0	361

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
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL NPC	1320	194	103	89	0	0	89
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL THDC	1400	139	142	127	0	0	127
Total (NTPC + NHPC + NPC + SVJNL + THDC)	16807	1915	3007	2660	0	0	2660
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	6210	153	290	242	0	0	242
Joint Venture							
Jhajjar TPS	1500	114	377	327	0	0	327
Grand Total	24517	2182	3674	3229	0	0	3229

Allocation to Delhi w.e.f.27.03.2014 @ 0% allocation from unallocated quota of Central Sector Generating Stations.

All figures in MW

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	1000	150	132	115	0	0	115
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
TOTAL NTPC	9782	1302	2306	2016	0	0	2016

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
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	180	0	24	23	0	0	23
Sewa HEP	120	18	16	15	0	0	15
Dhaulti Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
Parbati-III HEP	390	50	50	47	0	0	47
TOTAL NHPC	3875	256	454	431	0	0	431
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL NPC	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 THDC	1400	139	142	135	0	0	135
Total (NTPC + NHPC + NPC + SVJNL + THDC)	17437	1974	3147	2807	0	0	2807
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	377	338	0	0	338
Ultra Mega Projects							
Sasan	1320	0	149	128	0	0	128
Grand Total	26217	2241	3933	3491	0	0	3491

13.2 ALLOCATION OF POWER TO DELHI DISCOMS FROM VARIOUS SOURCES

- a) ALLOCATION OF POWER TO VARIOUS LICENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (DADRI THERMAL & BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f.01.04.2013. ALLOCATION OF 1 MW POWER FOR AUXILIARY NEEDS OF IP STATION FROM RPH WAS MADE W.E.F. 01.11.2009.

(Allocation In %)

For the period 01.04.2013 to 05.08.2013

SOURCES	LICENSEES					
	NDMC	MES	TPDDL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0.00	0.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.98	0.00	24.180	36.870	23.970	100.00
3. BTPS	15.94	7.09	21.880	33.370	21.720	100.00
4. RPH	0.86	0.00	23.350	43.040	27.750	100.00
5. GT	0.93	0.00	28.280	42.990	27.800	100.00
6. Pragati	26.69	0.00	20.770	31.760	20.780	100.00
7. Bawana	7.30	1.82	20.688	30.888	19.304	80.000*
8. DVC	0.00	0.00	29.18	43.58	27.24	100.00

* Delhi has 80% allocation from Bawana CCGT out of 1371MW. Haryana and Punjab each has 10% allocation from Bawana CCGT.

- b) ALLOCATION W.E.F. 06.08.2013

(Allocation In %)

SOURCES	LICENSEES					
	NDMC	MES	TPDDL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0.00	0.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	16.53	0.00	24.22	36.86	22.39	100.00
3. BTPS	17.73	7.09	21.81	33.20	20.17	100.00
4. RPH	0.00	0.00	29.025	44.133	26.742	100.00
5. GT	0.00	0.00	29.020	44.160	26.820	100.00
6. Pragati	30.300	0.000	20.220	30.780	18.700	100.00
7. Bawana	7.30	1.82	20.688	30.888	19.304	80.000*
8. DVC	0.00	0.00	29.18	43.58	27.24	100.00

* Delhi has 80% allocation from Bawana CCGT out of 1371MW. Haryana and Punjab each has 10% allocation from Bawana CCGT.

- 14 **DERC vide its letter no.F3(288)/Tariff/DERC/2011-12/3115/4054 dated 28.11.2014 revised the rates of inter discom transfer of surplus power as Indian Energy Exchange + 10Ps per unit.**

14.1 **Inter Discom Transfer of surplus power on day ahead basis @ Indian Exchange Rate + 10Ps per unit w.e.f. 01.12.2013**

All figures in MU

Months	BRPL Energy Sale to				
	BYPL	MES	NDMC	TPDDL	Total
Dec-13	0.001263	0.000000	0.000000	0.320694	0.321957
Jan-14	0.000000	0.000000	0.000000	1.535096	1.535096
Feb-14	0.040014	0.000000	0.027215	0.000000	0.067229
Mar-14	0.000000	0.000000	0.000000	0.000000	0.000000
Total	0.041277	0.000000	0.027215	1.855790	1.924282

Months	BYPL Energy Sale to				
	BRPL	MES	NDMC	TPDDL	Total
Dec-13	0.141597	0.000000	0.000000	0.163583	0.305179
Jan-14	1.141994	0.000000	0.000000	1.079024	2.221017
Feb-14	0.013436	0.000000	0.008830	0.000000	0.022265
Mar-14	0.015169	0.000000	0.000000	0.000000	0.015169
Total	1.312194	0.000000	0.008830	1.242607	2.563631

Months	MES Energy Sale to				
	BRPL	BYPL	NDMC	TPDDL	Total
Dec-13	0.000000	0.000000	0.000000	0.000000	0.000000
Jan-14	0.000000	0.000000	0.000000	0.000000	0.000000
Feb-14	0.000000	0.000000	0.000000	0.000000	0.000000
Mar-14	0.000000	0.000000	0.000000	0.000000	0.000000
Total	0.000000	0.000000	0.000000	0.000000	0.000000

Months	NDMC Energy Sale to				
	BRPL	BYPL	MES	TPDDL	Total
Dec-13	0.753205	0.288287	0.000000	0.249879	1.291370
Jan-14	2.821386	0.194569	0.000000	0.455594	3.471549
Feb-14	1.187410	1.298345	0.000000	0.030043	2.515798
Mar-14	0.401396	0.322526	0.000000	0.000000	0.723922
Total	5.163397	2.103727	0.000000	0.735515	8.002639

Months	TPDDL Energy Sale to				
	BRPL	BYPL	MES	NDMC	Total
Dec-13	5.315997	0.919778	0.000000	0.000000	6.235774
Jan-14	1.148126	0.014853	0.000000	0.000000	1.162979
Feb-14	1.456122	1.405135	0.000000	0.054756	2.916013
Mar-14	0.254932	0.176804	0.000000	0.000000	0.431736
Total	8.175177	2.516570	0.000000	0.054756	10.746502

14.2 Inter Discom Transfer of surplus power to avoid penaltt on the basis of Actual Energy Meter data.

All figures in MU

Months	Sale Energy To				
	BRPL	TPDDL	NDMC	MES	Total(Mus)
Apr-13	0.026502	0.000000	0.019482	0.000000	0.045984
May-13	0.000000	0.001870	0.000187	0.000000	0.002056
Jun-13	0.020837	0.038370	0.065556	0.000008	0.124770
Jul-13	0.000000	0.000414	0.019702	0.000184	0.020300
Aug-13	0.000000	0.000000	0.000000	0.000000	0.000000
Sep-13	0.000000	0.003899	0.009679	0.000863	0.014441
Oct-13	0.000000	0.000000	0.000000	0.000000	0.000000
Nov-13	0.003527	0.000480	0.001041	0.000369	0.005417
Dec-13	0.002339	0.002767	0.000514	0.000440	0.006060
Jan-14	0.000000	0.000000	0.000000	0.000171	0.000171
Feb-14	0.152558	0.049240	0.001282	0.009752	0.212832
Mar-14	0.005639	0.012341	0.003890	0.000330	0.022200
Total	0.211402	0.109381	0.121333	0.012116	0.454231

Months	Sale Energy To				
	BRPL	TPDDL	NDMC	MES	Total(Mus)
Apr-13	0.212586	0.008220	0.037292	0.000049	0.258147
May-13	0.011727	0.017396	0.005823	0.000000	0.034945
Jun-13	0.264439	0.060541	0.175497	0.000000	0.500476
Jul-13	0.004759	0.000452	0.031981	0.000626	0.037818
Aug-13	0.099626	0.007718	0.029740	0.002161	0.139245
Sep-13	0.069771	0.029707	0.033494	0.010804	0.143776
Oct-13	0.002945	0.000000	0.001859	0.000000	0.004804
Nov-13	0.000428	0.005470	0.000000	0.006127	0.012024
Dec-13	0.059387	0.007900	0.001834	0.001103	0.070224
Jan-14	0.003444	0.000452	0.000000	0.000614	0.004510
Feb-14	0.040443	0.055634	0.000000	0.006025	0.102102
Mar-14	0.571681	0.432911	0.053658	0.004425	1.062675
Total	1.341236	0.626400	0.371179	0.031933	2.370747

Months	TPDDL Sale Energy To				
	BRPL	BYPL	NDMC	MES	Total(Mus)
Apr-13	0.265304	0.010131	0.025082	0.000030	0.300547
May-13	0.006627	0.000000	0.002310	0.000000	0.008937
Jun-13	0.030683	0.001490	0.025986	0.000000	0.058160
Jul-13	0.005181	0.000000	0.013518	0.000485	0.019183
Aug-13	0.044794	0.000000	0.016178	0.001921	0.062892
Sep-13	0.006204	0.003200	0.004791	0.000737	0.014933
Oct-13	0.009662	0.000000	0.006098	0.000000	0.015760
Nov-13	0.000115	0.006631	0.000442	0.003110	0.010298
Dec-13	0.046667	0.002092	0.000000	0.002005	0.050764
Jan-14	0.005601	0.004538	0.000915	0.001857	0.012911
Feb-14	0.142353	0.233055	0.000316	0.024112	0.399837
Mar-14	1.354612	0.243992	0.024887	0.008804	1.632295
Total	1.917803	0.505130	0.120524	0.043060	2.586516

Months	NDMC Sale Energy To				
	BRPL	BYPL	TPDDL	MES	Total(Mus)
Apr-13	0.033855	0.000000	0.001371	0.000000	0.035226
May-13	0.000000	0.000000	0.000000	0.000000	0.000000
Jun-13	0.002052	0.000000	0.002207	0.000000	0.004258
Jul-13	0.000000	0.000000	0.000000	0.000000	0.000000
Aug-13	0.001474	0.000000	0.000143	0.000000	0.001617
Sep-13	0.007428	0.003557	0.000904	0.000467	0.012356
Oct-13	0.000000	0.000000	0.000000	0.000000	0.000000
Nov-13	0.000001	0.001023	0.000538	0.000744	0.002305
Dec-13	0.050965	0.010540	0.007667	0.001775	0.070947
Jan-14	0.008099	0.000000	0.001063	0.001892	0.011054
Feb-14	0.803078	1.022039	0.752879	0.155883	2.733879
Mar-14	3.404848	0.771444	1.103896	0.027153	5.307341
Total	4.311800	1.808601	1.870668	0.187914	8.178984

Months	MES Sale Energy To				
	BRPL	BYPL	TPDDL	NDMC	Total(Mus)
Apr-13	0.059695	0.011308	0.001581	0.026217	0.098802
May-13	0.000000	0.000000	0.000472	0.000070	0.000541
Jun-13	0.016055	0.000647	0.003779	0.010731	0.031212
Jul-13	0.000000	0.000000	0.000012	0.000305	0.000317
Aug-13	0.004529	0.000000	0.000624	0.000379	0.005533
Sep-13	0.000895	0.000125	0.001035	0.001314	0.003369
Oct-13	0.000960	0.000052	0.000316	0.000679	0.002007
Nov-13	0.000000	0.000000	0.000000	0.000000	0.000000
Dec-13	0.000756	0.000569	0.000772	0.000081	0.002178
Jan-14	0.000000	0.000000	0.000000	0.000000	0.000000
Feb-14	0.135229	0.114422	0.066623	0.000000	0.316275
Mar-14	0.436604	0.060561	0.123916	0.004673	0.625754
Total	0.654723	0.187684	0.199131	0.044449	1.085987

15 IMPLEMENTATION OF INTRASTATE ABT IN DELHI

In the second phase of power reforms undertaken in Delhi, the power purchase agreements entered into by DESU/DVB/DTL have been reassigned to distribution licensees as per DERC order dated 31.03.2007. Intrastate ABT has also been introduced in Delhi from 01.04.2007. SLDC has started issuing UI bills from covering the period from 01.04.2007 on weekly basis. The Intrastate UI Pool Account is also operated by SLDC as per the DERC order. The details of Main meters used for ABT billing are as under :

For Intrastate (Meters provided by DTL) -As on 1/4/2014

S.no.	Main Metering Points				No. of meters as per beneficiary / utility	Check metering points			No. of meters as per beneficiary / utility	Number of meters
	Discom	220/66/33KV	11/6.6KV	TOTAL		(+)	220/66/33KV	11/6.6KV		
1)	TPDDL	55	36	91	76	49	0	49	41	117
2)	BRPL	72	35	107	67	65	08	73	55	122
3)	BYPL	64	22	86	49	60	1	61	44	93
4)	NDMC	34	6	40	38	31	4	35	35	73
5)	MES	8	8	16	15	8	7	15	15	30
	TOTAL	233	107	340	245	213	20	233	190	435
	GRAND TOTAL			573	435					

For Generating Stations (Meters provided by DTL)

Sr. No.	Station	Metering points (feeders)	Main	Check
			Nos. of meters as per beneficiary utility	Nos. of meters as per beneficiary utility
01	PPCL BWN	0	4	4
02	RPH	12	2	2
03	G.T.	8	2	2
04	Pragati	3	3	-
05	BTPS	6	6	6
	TOTAL	29	17	14

- a) No. of Meters involved for Intrastate = 245(M)+190(C)+26(Local TX.)
ABT billing with DISCOMs
- b) No of Meters involved for UI billing of Genco= 17(M) + 14 (C)
- c) Overall meters dealt by DTL = 492

15.3 For Interstate (Meters provided by NRLDC)

S. N.	Details	Main	Stand by / check
01	Nos. of meters to compute input from the Grid to DTL system	36	36
	Total		72

15.4 The details of the UI / DSM Transactions for 2013-14 at Intrastate Level are as under :

15.4.1 UI Transactions of TPDDL (DSM Accounts w.e.f. 17.02.2014)

Month	Schedule d drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	UI amount as per Intrastate UI account in Rs. Lacs	Adjusted UI Amount to equivate the same with Interstate UI Issued by NRPC for the state Delhi as a whole in Rs. Lacs	Addition al UI Amount in Rs. Lacs	Differe nce in UI Capp Amount in Rs. Lacs	Net UI Amount in Rs. Lacs	Avg. cost in Ps/ Unit
Apr-13	665.55	627.88	-37.66	-752.90	-807.18	7.55	0.00	-799.62	212.30
May-13	855.30	808.67	-46.63	-639.95	-660.72	0.56	0.50	-659.66	141.48
Jun-13	831.86	809.43	-22.43	-180.74	-169.68	0.92	1.56	-167.21	74.53
Jul-13	869.59	857.32	-12.27	-95.12	-95.23	0.14	0.00	-95.10	77.51
Aug-13	809.45	788.77	-20.68	-245.80	-255.48	0.00	0.14	-255.34	123.45
Sep-13	800.67	792.22	-8.44	-131.78	-121.72	0.29	0.24	-121.19	143.52
Oct-13	664.34	672.50	8.15	140.52	155.79	0.29	4.35	160.43	196.82
Nov-13	515.79	501.66	-14.13	-302.26	-322.96	0.95	0.16	-321.86	227.79
Dec-13	554.83	547.14	-7.69	-101.94	-153.37	0.82	0.45	-152.10	197.81
Jan-14	568.79	582.47	13.68	193.77	78.53	0.29	0.00	78.82	57.62
Feb-14	511.06	510.82	-0.24	45.31	-28.60	13.07	27.26	11.73	-486.95
Mar-14	546.52	540.37	-6.15	23.71	-76.85	81.28	43.84	48.27	-78.47
Total	8193.76	8039.26	-154.50	-2047.18	-2457.47	106.15	78.50	-2272.83	147.11

Note :

i) (-)ve indicates amount receivable by the Utility

ii) (+)ve indicates amount payable by the Utility.

iii) The above UI / DSM accounts are subject to change if accounts are revised by NRPC due to any reason.

15.4.2 UI Transactions of BRPL(DSM Accounts w.e.f. 17.02.2014)

Month	Schedule drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	UI amount as per Intrastate UI account in Rs. Lacs	Adjusted UI Amount to equivate the same with Interstate UI Issued by NRPC for the state Delhi as a whole in Rs. Lacs	Addition al UI Amount in Rs. Lacs	Difference in UI Capp Amount in Rs. Lacs	Net UI Amount in Rs. Lacs	Avg. cost in Ps/ Unit
Apr-13	864.73	891.97	27.24	732.95	650.86	0.12	1.42	652.40	239.47
May-13	1203.58	1228.08	24.51	630.51	588.20	0.07	3.99	592.26	241.69
Jun-13	1251.19	1231.69	-19.50	-109.34	-104.62	2.85	2.30	-99.47	51.00
Jul-13	1288.25	1261.04	-27.22	-305.27	-305.80	2.28	0.06	-303.46	111.50
Aug-13	1164.24	1148.99	-15.24	-7.50	-24.92	0.00	1.06	-23.86	15.65
Sep-13	1141.79	1145.58	3.80	157.33	169.03	0.21	0.44	169.68	446.93
Oct-13	919.60	914.49	-5.11	-35.40	-24.85	0.02	0.61	-24.22	47.42
Nov-13	680.66	669.44	-11.22	24.83	-8.12	0.04	0.45	-7.63	6.80
Dec-13	716.63	725.15	8.52	252.46	172.14	0.00	2.23	174.37	204.71
Jan-14	838.88	819.08	-19.80	-165.44	-230.57	0.00	0.13	-230.44	116.41
Feb-14	673.52	672.65	-0.88	28.18	-39.15	5.51	28.97	-4.67	53.27
Mar-14	675.14	699.22	24.08	545.02	450.79	12.39	76.42	539.60	224.11
Total	11418.22	11407.39	-10.83	1748.34	1292.99	23.49	118.08	1434.56	1325.21

Note :

i) (-)ve indicates amount receivable by the Utility

ii) (+)ve indicates amount payable by the Utility.

iii) The above UI / DSM accounts are subject to change if accounts are revised by NRPC due to any reason

15.4.3 UI Transactions of BYPL (DSM Accounts w.e.f. 17.02.2014)

Month	Schedule drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	UI amount as per Intrastate UI account in Rs. Lacs	Adjusted UI Amount to equivate the same with Interstate UI Issued by NRPC for the state Delhi as a whole in Rs. Lacs	Addition al UI Amount in Rs. Lacs	Difference in UI Capp Amount in Rs. Lacs	Net UI Amount in Rs. Lacs	Avg. cost in Ps/ Unit
Apr-13	557.76	508.59	-49.17	-857.62	-926.05	4.75	0.30	-921.00	187.32
May-13	789.24	690.56	-98.68	-1551.85	-1607.25	2.53	0.00	-1604.73	162.63
Jun-13	792.52	695.69	-96.84	-1289.65	-1274.46	7.21	1.17	-1266.08	130.74
Jul-13	803.77	726.33	-77.44	-948.16	-947.64	3.99	0.00	-943.65	121.85
Aug-13	727.00	677.01	-49.99	-509.61	-529.29	0.10	0.00	-529.19	105.86
Sep-13	729.50	674.34	-55.16	-971.37	-954.53	6.91	0.00	-947.62	171.79
Oct-13	565.39	549.13	-16.26	-202.00	-188.16	0.14	0.06	-187.95	115.58
Nov-13	400.74	390.72	-10.02	-108.56	-136.83	0.25	0.59	-135.99	135.76
Dec-13	413.99	413.46	-0.53	-84.03	-142.11	0.39	0.50	-141.23	2684.4 2
Jan-14	461.98	455.67	-6.31	-141.73	-209.34	0.41	0.11	-208.82	331.08
Feb-14	376.30	387.12	10.82	199.88	141.81	5.20	37.22	184.23	170.23
Mar-14	421.41	408.38	-13.02	-114.77	-285.38	130.02	30.87	-124.49	95.59
Total	7039.60	6577.01	-462.59	-6579.47	-7059.23	161.89	70.82	-6826.52	147.57

Note :

- i) (-)ve indicates amount receivable by the Utility
- ii) (+)ve indicates amount payable by the Utility.
- iii) The above UI / DSM accounts are subject to change if accounts are revised by NRPC due to any reason

15.4.4 UI Transactions of NDMC (DSM Accounts w.e.f. 17.02.2014)

Month	Schedule drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	UI amount as per Intrastate UI account in Rs. Lacs	Adjusted UI Amount to equivate the same with Interstate UI Issued by NRPC for the state Delhi as a whole in Rs. Lacs	Addition al UI Amount in Rs. Lacs	Differe nce in UI Capp Amount in Rs. Lacs	Net UI Amount in Rs. Lacs	Avg. cost in Ps/ Unit
Apr-13	99.34	109.29	9.94	181.38	139.51	0.74	1.64	141.88	142.70
May-13	134.74	147.80	13.05	230.01	216.45	0.11	1.03	217.60	166.70
Jun-13	114.97	151.69	36.72	545.28	551.72	0.03	2.90	554.65	151.06
Jul-13	122.95	151.84	28.88	414.07	421.48	0.00	0.11	421.59	145.97
Aug-13	126.18	138.76	12.58	178.04	148.97	0.00	0.11	149.08	118.51
Sep-13	107.37	137.86	30.49	16.46	8.89	10.80	0.20	19.90	6.52
Oct-13	110.28	113.53	3.25	83.26	93.65	0.10	1.39	95.13	293.13
Nov-13	86.66	81.92	-4.73	-99.38	-122.01	0.56	0.14	-121.31	256.27
Dec-13	101.78	89.28	-12.50	-231.05	-292.01	2.42	0.02	-289.56	231.67
Jan-14	124.34	106.48	-17.86	-285.38	-372.35	0.78	0.02	-371.55	208.00
Feb-14	110.93	86.40	-24.53	-359.13	-477.67	37.82	1.93	-437.92	178.50
Mar-14	103.13	85.16	-17.98	-171.08	-388.03	160.17	11.79	-216.06	120.19
Total	1342.68	1399.99	57.31	502.47	-71.40	213.53	21.29	163.42	28.52

Note :

- i) (-)ve indicates amount receivable by the Utility
- ii) (+)ve indicates amount payable by the Utility.
- iii) The above UI / DSM accounts are subject to change if accounts are revised by NRPC due to any reason

15.4.5 UI Transactions of MES (DSM Accounts w.e.f. 17.02.2014)

Month	Schedule drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	UI amount as per Intrastate UI account in Rs. Lacs	Adjusted UI Amount to equivate the same with Interstate UI Issued by NRPC for the state Delhi as a whole in Rs. Lacs	Additional UI Amount in Rs. Lacs	Difference in UI Capp Amount in Rs. Lacs	Net UI Amount in Rs. Lacs	Avg. cost in Ps/ Unit
Apr-13	26.31	17.14	-9.17	-186.59	-204.95	2.89	0.05	-202.00	220.26
May-13	31.08	22.08	-8.99	-138.38	-142.44	0.19	0.00	-142.26	158.20
Jun-13	27.40	21.71	-5.69	-75.43	-74.73	0.33	0.00	-74.40	130.69
Jul-13	23.96	23.28	-0.68	-2.77	-3.05	0.02	0.00	-3.02	44.41
Aug-13	23.65	21.33	-2.32	-18.91	-20.50	0.01	0.02	-20.48	88.08
Sep-13	25.05	21.21	-3.84	-51.55	-49.67	0.16	0.03	-49.47	128.85
Oct-13	22.24	17.38	-4.86	-70.04	-61.20	0.02	0.00	-61.18	125.76
Nov-13	15.85	14.72	-1.13	-7.21	-13.91	0.06	0.05	-13.80	121.84
Dec-13	19.34	18.96	-0.38	6.46	-2.76	0.05	0.02	-2.68	71.10
Jan-14	24.68	25.10	0.42	32.04	-8.80	0.00	0.04	-8.76	209.80
Feb-14	20.95	18.77	-2.18	-19.13	-29.37	3.22	5.43	-20.72	95.13
Mar-14	17.88	15.61	-2.27	-20.08	-47.40	20.91	3.88	-22.60	99.69
Total	278.39	237.29	-41.10	-551.59	-658.77	27.88	9.52	-621.37	151.18

Note :

- i) (-)ve indicates amount receivable by the Utility
- ii) (+)ve indicates amount payable by the Utility.
- iii) The above UI / DSM accounts are subject to change if accounts are revised by NRPC due to any reason

15.4.6 UI Transactions of IP (DSM Accounts w.e.f. 17.02.2014)

Month	Schedule drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	UI amount as per Intrastate UI account in Rs. Lacs	Adjusted UI Amount to equivate the same with Interstate UI Issued by NRPC for the state Delhi as a whole in Rs. Lacs	Addition al UI Amount in Rs. Lacs	Difference in UI Capp Amount in Rs. Lacs	Net UI Amount in Rs. Lacs	Avg. cost in Ps/ Unit
Apr-13	0.72	0.06	-0.66	-13.18	-14.53	0.34	0.00	-14.19	213.37
May-13	0.74	0.07	-0.68	-10.67	-11.20	0.03	0.00	-11.18	165.54
Jun-13	0.72	0.31	-0.41	-9.60	-11.36	1.12	0.00	-10.23	248.92
Jul-13	0.74	0.05	-0.69	-8.58	-8.61	0.06	0.00	-8.56	123.40
Aug-13	0.74	0.05	-0.69	-7.73	-8.00	0.01	0.00	-8.00	115.28
Sep-13	0.72	0.05	-0.67	-11.83	-11.72	0.17	0.00	-11.55	171.59
Oct-13	0.74	0.05	-0.70	-10.49	-8.31	0.03	0.00	-8.28	119.10
Nov-13	0.72	0.05	-0.67	-12.55	-13.42	0.10	0.00	-13.31	197.81
Dec-13	0.74	0.00	-0.75	-14.00	-18.40	0.22	0.00	-18.18	243.96
Jan-14	0.74	-0.02	-0.76	-12.58	-16.38	0.06	0.00	-16.32	213.99
Feb-14	0.65	0.00	-0.65	-10.04	-12.35	3.03	0.98	-8.35	128.08
Mar-14	0.74	0.02	-0.73	-15.14	-17.81	13.25	1.03	-3.53	48.53
Total	8.74	0.67	-8.07	-136.40	-152.09	18.41	2.00	-131.68	163.22

Note :

- i) (-)ve indicates amount receivable by the Utility
- ii) (+)ve indicates amount payable by the Utility.
- iii) The above UI / DSM accounts are subject to change if accounts are revised by NRPC due to any reason

15.4.7 UI Transactions of RPH (DSM Accounts w.e.f. 17.02.2014)

Month	Schedule drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	UI amount as per Intrastate UI account in Rs. Lacs	Adjusted UI Amount to equivate the same with Interstate UI Issued by NRPC for the state Delhi as a whole in Rs. Lacs	Addition al UI Amount in Rs. Lacs	Difference in UI Capp Amount in Rs. Lacs	Net UI Amount in Rs. Lacs	Avg. cost in Ps/ Unit
Apr-13	69.32	68.60	-0.72	11.32	8.79	-0.03	0.02	8.79	-122.30
May-13	49.11	48.67	-0.43	7.98	6.60	0.00	0.09	6.69	-154.27
Jun-13	49.42	48.64	-0.78	11.32	11.69	-0.23	0.07	11.54	-148.35
Jul-13	26.92	25.82	-1.10	10.92	10.98	-0.09	0.02	10.92	-99.49
Aug-13	35.35	33.06	-2.29	34.17	33.76	0.01	0.55	34.33	-150.18
Sep-13	38.28	36.58	-1.70	28.54	34.90	-0.51	0.19	34.58	-203.28
Oct-13	31.92	29.73	-2.19	37.54	39.48	-0.07	0.03	39.44	-180.29
Nov-13	2.05	3.26	1.21	-22.53	-24.25	0.28	0.00	-23.97	-197.96
Dec-13	-2.23	-1.16	1.07	-19.52	-26.84	0.38	0.00	-26.47	-247.33
Jan-14	-1.49	-1.18	0.31	-5.21	-6.88	0.05	0.00	-6.83	-220.55
Feb-14	4.27	4.16	-0.11	1.39	0.13	1.63	3.68	5.44	-500.99
Mar-14	17.23	17.14	-0.10	1.38	0.61	1.70	1.17	3.47	-355.38
Total	320.14	313.32	-6.82	97.30	88.97	3.13	5.83	97.93	-143.65

Note :

- i) (-)ve indicates amount receivable by the Utility
- ii) (+)ve indicates amount payable by the Utility.
- iii) The above UI / DSM accounts are subject to change if accounts are revised by NRPC due to any reason

15.4.8 UI Transactions of GT (DSM Accounts w.e.f. 17.02.2014)

Month	Schedule drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	UI amount as per Intrastate UI account in Rs. Lacs	Adjusted UI Amount to equivate the same with Interstate UI Issued by NRPC for the state Delhi as a whole in Rs. Lacs	Addition al UI Amount in Rs. Lacs	Differe nce in UI Capp Amount in Rs. Lacs	Net UI Amount in Rs. Lacs	Avg. cost in Ps/ Unit
Apr-13	125.36	125.60	0.24	4.91	1.76	0.00	0.73	2.49	102.03
May-13	105.30	105.18	-0.12	6.78	5.04	0.00	0.40	5.45	-453.19
Jun-13	98.80	97.13	-1.68	29.60	31.12	0.00	0.54	31.66	-188.89
Jul-13	87.24	83.78	-3.46	56.27	57.78	0.00	0.07	57.86	-167.14
Aug-13	71.84	71.19	-0.65	12.29	10.52	0.00	0.44	10.96	-169.15
Sep-13	84.95	87.29	2.33	-31.68	-29.00	0.00	0.81	-28.19	-120.77
Oct-13	68.73	68.96	0.23	-5.61	-4.73	0.00	0.08	-4.65	-200.39
Nov-13	56.63	57.01	0.38	-5.81	-6.48	0.00	0.03	-6.46	-168.40
Dec-13	63.73	64.28	0.55	-7.70	-11.41	0.00	0.01	-11.40	-206.27
Jan-14	107.17	107.81	0.64	-8.32	-14.03	0.00	0.00	-14.03	-219.05
Feb-14	81.39	81.88	0.49	-7.45	-9.65	2.29	1.01	-6.35	-129.80
Mar-14	56.44	56.68	0.24	-7.70	-12.59	2.95	8.14	-1.50	-62.36
Total	1007.58	1006.79	-0.79	35.56	18.33	5.24	12.27	35.84	-454.44

Note :

- i) (-)ve indicates amount receivable by the Utility
- ii) (+)ve indicates amount payable by the Utility.
- iii) The above UI / DSM accounts are subject to change if accounts are revised by NRPC due to any reason

15.4.9 UI Transactions of PPCL (DSM Accounts w.e.f. 17.02.2014)

Month	Schedule drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	UI amount as per Intrastate UI account in Rs. Lacs	Adjusted UI Amount to equivate the same with Interstate UI Issued by NRPC for the state Delhi as a whole in Rs. Lacs	Addition al UI Amount in Rs. Lacs	Difference in UI Capp Amount in Rs. Lacs	Net UI Amount in Rs. Lacs	Avg. cost in Ps/ Unit
Apr-13	195.13	195.76	0.63	-14.27	-15.50	0.00	0.34	-15.15	-240.85
May-13	207.82	208.01	0.19	3.33	2.40	0.00	1.09	3.49	185.19
Jun-13	170.16	170.02	-0.14	6.87	6.78	0.00	0.31	7.09	-499.45
Jul-13	206.46	205.61	-0.85	12.54	12.75	0.00	0.00	12.75	-149.82
Aug-13	195.58	195.71	0.13	4.64	4.08	0.00	0.58	4.66	346.49
Sep-13	193.46	193.67	0.21	-4.09	-3.98	0.00	0.33	-3.65	-171.05
Oct-13	184.72	184.58	-0.15	5.73	6.56	0.00	0.03	6.59	-451.47
Nov-13	205.61	206.17	0.56	-10.41	-11.14	0.00	0.17	-10.96	-197.27
Dec-13	217.77	218.39	0.62	-5.93	-8.48	0.00	0.18	-8.30	-134.13
Jan-14	197.70	197.88	0.18	4.48	-0.64	0.00	0.02	-0.62	-34.98
Feb-14	191.90	191.89	0.00	-1.15	-6.58	0.03	0.00	-6.54	13127.67
Mar-14	191.41	191.43	0.02	-1.74	-4.47	1.55	3.42	0.50	326.57
Total	2357.72	2359.11	1.39	0.00	-18.21	1.59	6.47	-10.15	-72.97

Note :

- i) (-)ve indicates amount receivable by the Utility
- ii) (+)ve indicates amount payable by the Utility.
- iii) The above UI / DSM accounts are subject to change if accounts are revised by NRPC due to any reason

15.4.10 UI Transactions of BTPS (DSM Accounts w.e.f. 17.02.2014)

Month	Schedule drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	UI amount as per Intrastate UI account in Rs. Lacs	Adjusted UI Amount to equivate the same with Interstate UI Issued by NRPC for the state Delhi as a whole in Rs. Lacs	Addition al UI Amount in Rs. Lacs	Difference in UI Capp Amount in Rs. Lacs	Net UI Amount in Rs. Lacs	Avg. cost in Ps/ Unit
Apr-13	376.29	373.34	-2.95	14.44	2.22	0.34	0.93	3.49	-11.82
May-13	397.53	392.32	-5.21	80.62	53.69	0.03	45.41	99.13	190.25
Jun-13	365.81	361.49	-4.32	39.11	40.16	0.93	0.56	41.65	-96.37
Jul-13	325.28	324.19	-1.09	16.41	15.23	0.99	0.02	16.23	149.40
Aug-13	308.71	305.16	-3.55	39.22	35.75	0.04	30.65	66.44	187.35
Sep-13	313.97	310.61	-3.36	37.58	41.39	0.98	1.26	43.63	129.75
Oct-13	312.03	308.05	-3.99	58.76	61.81	0.38	0.25	62.44	156.68
Nov-13	226.91	224.79	-2.11	37.58	28.03	0.10	0.01	28.14	133.13
Dec-13	276.49	275.33	-1.16	17.45	2.75	0.02	0.16	2.93	-25.35
Jan-14	352.63	350.36	-2.27	17.36	-6.10	1.09	0.00	-5.02	22.07
Feb-14	299.65	298.46	-1.19	12.48	-2.60	3.76	1.44	2.61	-21.93
Mar-14	252.80	248.67	-4.13	85.61	76.21	-7.37	2.92	71.75	173.81
Total	3808.10	3772.77	-35.33	456.62	348.54	1.29	83.62	433.44	122.69

Note :

- i) (-)ve indicates amount receivable by the Utility
- ii) (+)ve indicates amount payable by the Utility.
- iii) The above UI / DSM accounts are subject to change if accounts are revised by NRPC due to any reason

16 REACTIVE POWER MANAGEMENT

16.1 INSTALLED CAPACITY OF CAPACITORS IN DELHI AS ON 31.03.2014

DETAILS OF THE CAPACITORS INSTALLED IN DELHI SYSTEM LUMPED TO THE NEAREST 220KV GRID SUB-STATIONS AS ON 31.03.2014 IS AS UNDER :-
(All figures in MVAR)

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
1	IP YARD			30.00		30.00
1	Kamla Market	BYPL			16.35	16.35
2	Minto Road	BYPL				0.00
3	GB Pant Hosp	BYPL			10.48	10.48
4	Delhi Gate	BYPL			10.90	10.90
5	Tilakmarg	NDMC			5.04	5.04
7	Cannaught Place	NDMC			10.08	10.08
8	Kilokri	BRPL		10.08	10.48	20.56
9	NDSE-II	BRPL				0.00
11	Nizamuddin	BRPL				0.00
12	Exhibition-I	BRPL				0.00
13	Exhibition-II	BRPL				0.00
14	Defence Colony	BRPL				0.00
15	IG Stadium	BYPL		10.08	5.45	15.53
16	Lajpat Nagar	BRPL				0.00
17	IP Estate	BYPL			10.90	10.90
			0.00	50.16	79.68	129.84
2	Electric Lane					
1	Electric Lane	NDMC			5.04	5.04
2	Scindia House	NDMC			10.44	10.44
3	Mandi House	NDMC			10.80	10.80
4	Raisina Road	NDMC			10.08	10.08
5	Raja Bazar	NDMC			10.08	10.08
			0.00	0.00	46.44	46.44
3	RPH Station			20.00		20.00
1	Lahori Gate	BYPL			10.49	10.49
2	Jama Masjid	BYPL			10.48	10.48
4	Kamla Market	BYPL				0.00
5	Minto Road	BYPL			10.90	10.90
6	GB Pant Hosp	BYPL				0.00
7	IG Stadium	BYPL				0.00
			0.00	20.00	31.87	51.87

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
4	Parkstreet S/stn		20.00	20.00		40.00
1	Shastri Park	BYPL		10.90	5.45	16.35
2	Faiz Road	BYPL			18.05	18.05
3	Motia Khan	BYPL			16.30	16.30
4	Prasad Nagar	BYPL			16.25	16.25
5	Anand Parbat	BYPL			10.80	10.80
6	Shankar Road	BYPL			0.00	0.00
7	Rama Road	TPDDL			0.00	0.00
8	Baird Road	NDMC			10.08	10.08
9	Hanuman Road	NDMC			10.08	10.08
10	Pusa	TPDDL			5.44	5.44
11	Ridge Valley	BRPL			0.00	0.00
12	B. D. Marg	NDMC			5.40	5.40
13	Nirman Bhawan	NDMC			5.04	5.04
			20.00	30.90	102.89	153.79
5	Naraina S/stn			20.00	5.04	25.04
1	DMS	BYPL			10.85	10.85
2	Mayapuri	BRPL		10.87	10.40	21.27
3	Inderpuri	TPDDL		13.26	5.04	18.30
4	Rewari line	TPDDL				0.00
5	Khyber Lane	MES		10.05		10.05
6	Kirbi Place	MES		10.05		10.05
7	Payal	TPDDL			10.08	10.08
8	A-21 Naraina	TPDDL			4.08	4.08
8	Saraswati Garden	TPDDL			10.08	10.08
			0.00	64.23	55.57	119.80
6	Mehrauli S/stn		80.00		5.04	85.04
1	Adchini	BRPL			14.61	14.61
2	Andheria Bagh	BRPL			10.85	10.85
3	IIT	BRPL			10.90	10.90
4	JNU	BRPL		10.03	10.03	20.06
5	Bijwasan	BRPL			15.47	15.47
6	DC Saket	BRPL		10.08	9.98	20.06
7	Malviya Nagar	BRPL				0.00
8	C Dot	BRPL			10.48	10.48
9	Vasant kunj B-Blk	BRPL	21.79		10.90	32.69
10	Vasant kunj C-Blk	BRPL	20.16		10.48	30.64
11	Palam	BRPL				0.00
12	IGNOU	BRPL			5.04	5.04
13	R. K. Puram-I	BRPL			10.07	10.07
14	Vasant Vihar	BRPL			19.25	19.25

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
15	Pusp Vihar	BRPL			10.44	10.44
16	Bhikaji Cama Place	BRPL		10.08	10.07	20.15
			121.95	30.19	163.61	315.75
7	Vasantkunj S/stn		40.00		5.04	45.04
1	R. K. Puram-II	BRPL			10.80	10.80
2	Vasant kunj C-Blk	BRPL				0.00
3	Vasant kunj D-Blk	BRPL			9.63	9.63
4	Ridge Valley	BRPL				0.00
			40.00	0.00	25.47	65.47
8	Okhla S/stn		60.00	10.00	5.04	75.04
1	Balaji	BRPL			10.80	10.80
2	East of Kailash	BRPL			15.89	15.89
3	Alaknanda	BRPL			16.30	16.30
4	Malviya Nagar	BRPL	21.79	20.16	10.85	52.80
5	Masjid Moth	BRPL			16.30	16.30
6	Nehru Place	BRPL			21.34	21.34
7	Okhla Ph-I	BRPL	21.79		16.30	38.09
8	Okhla Ph-II	BRPL		20.93	15.47	36.40
9	Shivalik	BRPL			10.80	10.80
10	Batra	BRPL			15.90	15.90
11	VSNL	BRPL			10.90	10.90
12	Siri Fort	BRPL			10.49	10.49
13	Tuglakabad	BRPL			10.85	10.85
			103.58	51.09	187.23	341.90
9	Lodhi Road S/stn				20.00	20.00
1	Defence Colony	BRPL			14.85	14.85
2	Hudco	BRPL			10.90	10.90
3	Lajpat Nagar	BRPL			10.90	10.90
4	Nizamuddin	BRPL			10.44	10.44
5	Vidyut Bhawan (Shahjahan Road)	NDMC			10.80	10.80
6	Ex. Gr. II	BRPL			0.00	0.00
7	IHC	BRPL			0.00	0.00
			0.00	0.00	324.06	324.06
10	Sarita Vihar S/stn		20.00		5.04	25.04
1	Sarita Vihar	BRPL			10.07	10.07
2	MCIE	BRPL			10.06	10.06
3	Mathura Road	BRPL	20.16		11.69	31.85
4	Jamia Millia	BRPL			10.89	10.89
5	Sarai Julena	BRPL		10.08	16.29	26.37
6	Jasola	BRPL			5.44	5.44
			40.16	10.08	69.48	119.72

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
11	Wazirabad					
1	Bhagirathi	BYPL		14.40	10.90	25.30
2	Ghonda	BYPL	21.79	22.56	15.94	60.29
3	Seelam Pur	BYPL		10.08	21.39	31.47
4	Dwarkapuri	BYPL			15.46	15.46
5	Nandnagri	BYPL	20.16		16.35	36.51
6	Yamuna Vihar	BYPL			14.40	14.40
7	East of Loni Road	BYPL			10.80	10.80
8	Shastri Park	BYPL			10.90	10.90
9	Karawal Nagar	BYPL			5.40	5.40
10	Sonia Vihar	BYPL			14.70	14.70
			41.95	47.04	136.24	225.23
12	Geeta Colony					
1	Geeta Colony	BYPL			10.49	10.49
2	Kanti Nagar	BYPL			10.49	10.49
3	Kailash Nagar	BYPL			15.48	15.48
4	Seelam Pur	BYPL				0.00
5	Shakar Pur	BYPL			10.80	10.80
			0.00	0.00	36.77	36.77
13	Gazipur S/stn	DTL	40.00		5.04	45.04
1	Dallupura	BYPL	28.80		10.90	39.70
2	Vivek Vihar	BYPL			9.57	9.57
3	GT Road	BYPL			10.85	10.85
4	Kondli	BYPL	20.16		10.85	31.01
5	MVR-I	BYPL			10.90	10.90
6	MVR-II	BYPL	20.16		10.90	31.06
7	PPG Ind. Area	BYPL			10.06	10.06
			109.12	0.00	79.07	188.19
14	Patparganj S/stn	DTL	40.00	20.00	5.04	65.04
1	GH-I	BYPL	19.89		10.45	30.34
2	GH-II	BYPL	20.09		10.90	30.99
3	CBD	BYPL		10.03	15.48	25.51
4	Guru Angad Nagar	BYPL			15.49	15.49
5	Karkadooma	BYPL		10.80	10.44	21.24
6	Preet Vihar	BYPL			10.07	10.07
7	CBD-II	BYPL			10.80	10.80
8	Shakarpur	BYPL				0.00
9	Jhilmil	BYPL			10.80	10.80
10	Dilshad Garden	BYPL	20.16		16.35	36.51
11	Khichripur	BYPL	21.79		10.49	32.28
12	Mother Dairy	BYPL				0.00

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
13	Scope Building	BYPL				0.00
14	Vivek Vihar	BYPL				0.00
15	Akhardham	BYPL			14.60	14.60
			121.93	40.83	140.91	303.67
15	Najafgarh S/stn		60.00		5.04	65.04
1	A4 Paschim Vihar	BRPL			10.80	10.80
2	Nangloi	BRPL	21.73		15.84	37.57
3	Nangloi WW	BRPL	20.89		10.85	31.74
4	Pankha Road	BRPL			15.88	15.88
5	Jaffarpur	BRPL			15.43	15.43
7	Inst. Area Janakpuri (Sagarpur)	BRPL			17.60	17.60
8	Paschimpuri	BRPL		10.05	15.47	25.52
9	Paschim Vihar	BRPL	41.83		15.43	57.26
10	Mukherjee Park	BRPL			20.83	20.83
11	Udyog Nagar	BRPL			10.43	10.43
12	Choukhandi	BRPL			10.07	10.07
			144.45	10.05	163.67	318.17
16	Pappankalan-I S/stn	BRPL	20.00		5.04	25.04
1	Bindapur Grid G-3 PPK	BRPL	21.73		15.85	37.58
2	Bodella-I	BRPL	20.10		16.24	36.34
3	Bodella-II	BRPL	21.73		17.64	39.37
4	DC Janakpuri	BRPL			10.03	10.03
5	G-2 PPK (Nasirpur)	BRPL			10.80	10.80
6	G-5 PPK (Matiala)	BRPL			15.51	15.51
7	G-6 PPK	BRPL			5.40	5.40
8	G-15 PPK	BRPL			10.80	10.80
9	Harinagar	BRPL	21.18		16.25	37.43
10	Rewari line	TPDDL			5.44	5.44
			104.74	0.00	129.00	233.74
17	BBMB Rohtak Road					
1	S.B. Mill	BRPL			10.07	10.07
2	Rama Road	TPDDL			10.88	10.88
3	Ram Pura	TPDDL			10.48	10.48
4	Rohtak Road	TPDDL			10.08	10.08
5	Vishal	BRPL			10.40	10.40
6	Tri Nagar	TPDDL			5.44	5.44
7	Madipur	BRPL			10.43	10.43
8	Sudershan Park	TPDDL			10.08	10.08
9	Kirti Nagar	TPDDL			5.44	5.44
			0.00	0.00	83.30	83.30

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
18	Shalimarbagh S/stn			40.00	6.00	46.00
1	S.G.T. Nagar	TPDDL			5.44	5.44
2	Wazirpur-1	TPDDL			17.18	17.18
3	Wazirpur-2	TPDDL			13.20	13.20
4	Ashok Vihar	TPDDL			7.20	7.20
5	Rani Bagh	TPDDL			10.88	10.88
6	Haiderpur	TPDDL			11.39	11.39
7	SMB FC	TPDDL			5.44	5.44
8	SMB KHOSLA	TPDDL			5.44	5.44
			0.00	40.00	82.17	122.17
19	Subzimandi S/stn				6.00	6.00
1	Shakti Nagar	TPDDL			5.04	5.04
2	Gulabibagh	TPDDL			10.88	10.88
3	Shahzadabagh	TPDDL			15.79	15.79
4	DU	TPDDL			5.44	5.44
5	Tripolia	TPDDL			10.88	10.88
6	B. G. Road	BYPL			5.40	5.40
			0.00	0.00	59.43	59.43
20	Narela S/stn		40.00		5.04	45.04
1	A-7 Narela	TPDDL			10.88	10.88
2	AIR Kham pur	TPDDL			5.95	5.95
3	Ashok vihar	TPDDL			10.60	10.60
4	Azad Pur	TPDDL			5.44	5.44
5	Tri Nagar	TPDDL			5.44	5.44
6	Badli	TPDDL	20.00		5.95	25.95
7	DSIDC Narela-1	TPDDL			5.95	5.95
8	GTK	TPDDL			5.94	5.94
9	Jahangirpuri	TPDDL	20.00	10.00	0.00	30.00
10	Bhalswa	TPDDL			4.80	4.80
11	Pitampura-I	TPDDL	20.00		5.04	25.04
12	RG-1	TPDDL			5.44	5.44
			100.00	10.00	76.47	186.47
21	Gopalpur S/stn			30.00	5.04	35.04
1	Azad Pur	TPDDL			10.88	10.88
2	Hudson Lane	TPDDL			5.95	5.95
3	Wazirabad	TPDDL			7.20	7.20
4	Indra Vihar	TPDDL			5.95	5.95
5	DIFR	TPDDL			5.44	5.44
6	GTK Road	TPDDL			5.44	5.44
7	Jahangirpuri	TPDDL		10.00	5.95	15.95
8	Civil lines	TPDDL			7.20	7.20

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
9	Pitam Pura-1	TPDDL			5.44	5.44
10	Pitam Pura-3	TPDDL			5.44	5.44
11	Air Khampur	TPDDL			5.95	5.95
12	SGT Nagar	TPDDL			5.95	5.95
13	Tiggipur	TPDDL			10.88	10.88
14	Model Town	TPDDL			0.00	0.00
			0.00	40.00	92.71	132.71
22	Rohini S/stn		40.00		6.00	46.00
1	Rohini Sec-22	TPDDL			10.88	10.88
2	Rohini Sec-24	TPDDL			5.44	5.44
3	Rohini-2	TPDDL			5.95	5.95
4	Rohini-3	TPDDL			5.95	5.95
5	Rohini-4	TPDDL			11.39	11.39
6	Rohini-5	TPDDL			11.39	11.39
7	Rohini-6	TPDDL			13.15	13.15
8	Mangolpuri-1	TPDDL			7.20	7.20
9	Mangolpuri-2	TPDDL	20.00		7.20	27.20
10	Pitam Pura-2	TPDDL			10.48	10.48
11	Rohini DC-1	TPDDL			14.40	14.40
			60.00	0.00	109.43	169.43
23	Kanjhawala S/stn		20.00		5.04	25.04
1	Bawana Clear Water	TPDDL			21.60	21.60
2	Pooth Khoord	TPDDL	20.00		5.44	25.44
3	Rohini Sec-23	TPDDL	20.00		5.44	25.44
4	Rohini -2	TPDDL			7.20	7.20
			60.00	0.00	44.72	104.72
24	BAWANA S/stn					
1	Bawana S/stn No. 6	TPDDL			10.88	10.88
2	Bawana S/stn No. 7	TPDDL				0.00
			0.00	0.00	10.88	10.88
25	Kashmeregate S/stn				5.04	5.04
1	Civil lines	TPDDL			7.20	7.20
2	Town Hall	BYPL			8.64	8.64
3	Fountain	BYPL			5.45	5.45
			0.00	0.00	26.33	26.33
26	Pappankalan-II					
1	DMRC	BRPL				0.00
2	HASTAL	BRPL			21.60	21.60
3	GGSH	BRPL			10.80	10.80
			0.00	0.00	32.40	32.40

S. No.	SUB-STATION	Name of Utility	INSTALLED CAPACITY			
			66KV	33kV	11kV	TOTAL
27	Trauma Center (AIIMS)					
1	AIIMS	NDMC		13.26	5.04	18.30
2	Trauma Center	NDMC			10.08	10.08
3	Netaji Nagar	NDMC			15.12	15.12
4	Sanjay Camp	NDMC			10.08	10.08
5	Kidwai Nagar	NDMC			10.08	10.08
6	SJ Airport	NDMC			5.04	5.04
7	Race Course	NDMC			10.44	10.44
			0.00	13.26	65.88	79.14
28	MUNDKA					
1	Mangolpuri-I	TPDDL			13.15	13.15
			0.00	0.00	13.15	13.15
29	DSIDC BAWANA					
1	DSIDC NRL-1	TPDDL	20.00			20.00
2	DSIDC NRL-2	TPDDL			16.32	16.32
			20.00	0.00	16.32	36.32
30	RIDGE VALLEY					
1	Keventry Diary	NDMC			10.08	10.08
2	Nehru Park	NDMC			5.04	5.04
3	State Guest House	NDMC			5.40	5.40
4	Bapu Dham	NDMC			15.48	15.48
			0.00	0.00	36.00	36.00
31	IP EXTN (PRAGATI)					
1	Vidyut Bhawan	NDMC			10.08	10.08
2	Dalhousie Road	NDMC			5.04	5.04
3	National Archives	NDMC			10.08	10.08
4	School Lane	NDMC			10.44	10.44
			0.00	0.00	35.64	35.64
						0.00
	TOTAL CAPACITY					
	Utility		HT	LT	Total	
	BYPL		858.39	102.00	960.39	
	BRPL		1221.29	242.00	1463.29	
	TPDDL		739.78	119.00	858.78	
	NDMC		253.74	24.00	277.74	
	DTL		753.52	0.00	753.52	
	RPH		20.00	0.00	20.00	
	MES		20.10	0.00	20.10	
	TOTAL		3866.82	487.00	4353.82	

16.2 REACTIVE ENERGY TRANSACTIONS OF DISCOMS WITH DTL

Month	TPDDPL				
	MVARh Drawal		Amount in Rs. Lacs		Net Amount in Rs. Lacs
	High Voltage	Low Voltage	High Voltage	Low Voltage	
Apr-13	1517.2	1641.1	-1.74478	1.88727	0.14249
May-13	278.8	3587.2	-0.32062	4.12528	3.80466
Jun-13	-1237.0	6546.6	1.42255	7.52859	8.95114
Jul-13	-1677.6	4963.5	1.92924	5.70803	7.63727
Aug-13	-3887.0	1733.7	4.47005	1.99376	6.46381
Sep-13	-1770.9	1654.2	2.03654	1.90233	3.93887
Oct-13	3507.3	-1111.4	-4.03340	-1.27811	-5.31151
Nov-13	5108.7	-2071.6	-5.87501	-2.38234	-8.25735
Dec-13	254.6	-2084.1	-0.29279	-2.39672	-2.68951
Jan-14	-2328.2	-2045.1	2.67743	-2.35187	0.32557
Feb-14	2080.3	-1738.1	-2.39235	-1.99882	-4.39116
Mar-14	2616.8	-2008.4	-3.00932	-2.30966	-5.31898
Total	4463.0	9067.6	-5.13245	10.42774	5.29529

Month	BRPL				
	MVARh Drawal		Amount in Rs. Lacs		Net Amount in Rs. Lacs
	High Voltage	Low Voltage	High Voltage	Low Voltage	
Apr-13	1444.6	4250.7	-1.66129	4.88831	3.22702
May-13	-4928.9	22676.2	5.66824	26.07763	31.74587
Jun-13	-2632.6	31296.8	3.02749	35.99132	39.01881
Jul-13	-6394.2	24249.4	7.35333	27.88681	35.24014
Aug-13	-7244.6	15153.5	8.33129	17.42653	25.75782
Sep-13	-4409.4	12467.8	5.07081	14.33797	19.40878
Oct-13	6902.0	1386.1	-7.93730	1.59402	-6.34329
Nov-13	3653.9	-2526.0	-4.20199	-2.90490	-7.10689
Dec-13	-6775.0	-1243.5	7.79125	-1.43003	6.36123
Jan-14	-1968.9	385.6	2.26424	0.44344	2.70768
Feb-14	-3505.2	-1665.3	4.03098	-1.91510	2.11589
Mar-14	274.4	-2685.3	-0.31556	-3.08810	-3.40366
Total	-25583.9	103746.0	29.42149	119.30790	148.72939

Month	BYPL				
	MVARh Drawal		Amount in Rs. Lacs		Net Amount in Rs. Lacs
	High Voltage	Low Voltage	High Voltage	Low Voltage	
Apr-13	3571.7	1220.0	-4.10746	1.40300	-2.70446
May-13	223.0	11059.9	-0.25645	12.71889	12.46244
Jun-13	-489.1	31443.1	0.56247	36.15957	36.72203
Jul-13	-969.7	35161.0	1.11516	40.43515	41.55031
Aug-13	1015.3	7338.0	-1.16760	8.43870	7.27111
Sep-13	-1374.0	-2310.8	1.58010	-2.65742	-1.07732
Oct-13	3580.7	-7595.7	-4.11781	-8.73506	-12.85286
Nov-13	9566.3	-10316.9	-11.00125	-11.86444	-22.86568
Dec-13	5213.4	-9080.9	-5.99541	-10.44304	-16.43845
Jan-14	2141.7	-10094.4	-2.46296	-11.60856	-14.07152
Feb-14	5107.1	-9311.5	-5.87317	-10.70823	-16.58139
Mar-14	13515.4	-9408.4	-15.54271	-10.81966	-26.36237
Total	41101.8	28103.4	-47.26707	32.31891	-14.94816

Month	NDMC				
	MVARh Drawal		Amount in Rs. Lacs		Net Amount in Rs. Lacs
	High Voltage	Low Voltage	High Voltage	Low Voltage	
Apr-13	6771.7	2450.8	-7.78746	2.81842	-4.96904
May-13	2940.6	10108.7	-3.38169	11.62501	8.24332
Jun-13	1369.3	11394.1	-1.57470	13.10322	11.52852
Jul-13	1793.7	11915.3	-2.06276	13.70260	11.63984
Aug-13	3938.4	10182.5	-4.52916	11.70988	7.18072
Sep-13	3117.3	8522.9	-3.58490	9.80134	6.21644
Oct-13	5060.0	3771.4	-5.81900	4.33711	-1.48189
Nov-13	3968.2	1395.4	-4.56343	1.60471	-2.95872
Dec-13	2817.4	2831.1	-3.24001	3.25577	0.01575
Jan-14	4140.3	3290.9	-4.76135	3.78454	-0.97681
Feb-14	3316.6	3011.3	-3.81409	3.46300	-0.35110
Mar-14	4637.6	2596.2	-5.33324	2.98563	-2.34761
Total	43871.1	71470.6	-50.45177	82.19119	31.73943

Month	MES				
	MVARh Drawal		Amount in Rs. Lacs		Net Amount in Rs. Lacs
	High Voltage	Low Voltage	High Voltage	Low Voltage	
Apr-13	553.1	457.9	-0.63607	0.52659	-0.10948
May-13	191.2	2027.3	-0.21988	2.33140	2.11152
Jun-13	178.1	3876.7	-0.20482	4.45821	4.25339
Jul-13	187.5	4164.7	-0.21563	4.78941	4.57378
Aug-13	189.8	2597.1	-0.21827	2.98667	2.76840
Sep-13	98.7	2232.5	-0.11351	2.56738	2.45387
Oct-13	328.3	425.9	-0.37755	0.48979	0.11224
Nov-13	1112.1	10.0	-1.27892	0.01150	-1.26742
Dec-13	720.8	251.6	-0.82892	0.28934	-0.53958
Jan-14	913.9	172.1	-1.05099	0.19792	-0.85307
Feb-14	794.1	-1.3	-0.91322	-0.00150	-0.91471
Mar-14	917.6	-20.5	-1.05524	-0.02358	-1.07882
Total	6185.2	16194.0	-7.11298	18.62310	11.51012

Month	TOTAL DISCOMS				
	MVARh Drawal		Amount in Rs. Lacs		Net Amount in Rs. Lacs
	High Voltage	Low Voltage	High Voltage	Low Voltage	
Apr-13	13858.3	10020.5	-15.93705	11.52358	-4.41347
May-13	-1295.3	49459.3	1.48960	56.87820	58.36779
Jun-13	-2811.3	84557.3	3.23300	97.24090	100.47389
Jul-13	-7060.3	80453.9	8.11935	92.52199	100.64133
Aug-13	-5988.1	37004.8	6.88632	42.55552	49.44184
Sep-13	-4338.3	22566.6	4.98905	25.95159	30.94064
Oct-13	19378.3	-3123.7	-22.28505	-3.59226	-25.87730
Nov-13	23409.2	-13509.1	-26.92058	-15.53547	-42.45605
Dec-13	2231.2	-9325.8	-2.56588	-10.72467	-13.29055
Jan-14	2898.8	-8290.9	-3.33362	-9.53454	-12.86816
Feb-14	7792.9	-9704.9	-8.96184	-11.16064	-20.12247
Mar-14	21961.8	-11526.4	-25.25607	-13.25536	-38.51143
Total	70037.2	228581.6	-80.54278	262.86884	182.32606

Note : (+) incase of amount is payable by the utility to DTL.

17. **TRANSMISSION SYSTEM AVAILABILITY OF DELHI TRANSCO LTD. FOR THE YEAR 2013-14**

SI. No.	Name of Elements	Availability in %age
1	AVAILABILITY OF 12NOS. 400kV, 315MVA ICTs	96.71
2	AVAILABILITY OF 10NOS. 400kV LINES	99.75
3	AVAILABILITY OF 77NOS. 220kV LINES	99.48
4	AVAILABILITY OF 54NOS. 220/66kV ICTs	97.87
5	AVAILABILITY OF 34NOS. 220/33kV ICTs	97.80
6	AVAILABILITY OF 3NOS. 66/33kV ICTs	99.72
7	AVAILABILITY OF 24NOS. 66/11kV PR. TXS	99.20
8	AVAILABILITY OF 16NOS. 33/11kV PR. TXS	99.36
9	AVAILABILITY OF 123NOS. 66kV FEEDER BAYs	99.91
10	AVAILABILITY OF 149NOS. 33kV FEEDER BAYs	99.92
11	AVAILABILITY OF 206NOS. 11kV FEEDER BAYs	100.00
12	AVAILABILITY OF 59NOS. CAP. BANKS	92.53
TOTAL AVAILABILITY OF DTL SYSTEM =		97.43

$$\frac{(96.71*12+99.75*10+99.48*77+97.87*54+97.80*34+99.72*3+99.20*24+99.36*16+99.91*123+99.92*149+100*206+92.53*59)}{(12+10+77+54+34+3+24+16+123+149+206+59)} = 97.43\%$$

18. NEW ELEMENTS COMMISSIONED IN TRANSMISSION SYSTEM

The following transmission system elements added during the year 2013-14

Sr No.	Name of the Element	Date of Commissioning
400kV SYSTEM		
1	220/33kV100MVA Transformer-1 at Electric Lane (H C Mathur Lane)	Charge on no load on 19.11.13 at 21:22 hrs. Load taken on 03.12.13 at 12:38 hrs.
2	220/66kV160MVA Transformer-1 at Pappankalan-2	Charge on no load on 24.09.13 at 15:00 hrs. Load taken on 08.10.13 at 17:20 hrs.
3	220/66kV160MVA Transformer-2 at Rohini-2	Charge on no load on 30.08.13 at 18:28 hrs. Load taken on 27.11.13 at 07:07 hrs.
4	220/66kV160MVA Transformer-1 at Mehrauli	Charge on no load on 31.10.13 at 14:40 hrs. Load taken on 07.11.13 at 13:30 hrs.
5	220/33kV100MVA Transformer-1 at Okhla	Charge on no load on 06.02.14 at 13:15 hrs. Load taken on 12.02.14 at 14:40 hrs.
6	220kVRidge Valley-Trauma Centre Ckt-2	Charge on no load on 15.04.13 at 18:15 hrs. Load taken on 19.04.13 at 13:18 hrs.
7	220kVRidge Valley-Trauma Centre Ckt-1	Charge on no load on 03.03.14 at 18:05 hrs. Load taken on 19.04.13 at 13:18 hrs.

Generating Units commissioned in Delhi Power System during FY 2013-14

S.No	Name of Generating Station	Unit	Installed capacity in MW	Date of commissioning	Date of Commercial Operation
1	CCGT	3	216	26.06.12 at 17:31 hrs	28.10.2013
2	Bawana	4	216	01.05.13 at 12:16 hrs	27.02.2014
3		STG-2	245	23.12.13 at 13:36 hrs	27.3.2014

19 TRIPPINGS / BREAK-DOWNS IN 400/220KV SYSTEM FOR THE YEAR 2013-14

19.1 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH APRIL 2013

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	02.04.13	18:10	PAPPANKALAN-I 220/66kV 100MVA Tx-I	02.04.13	18:40	TX TRIPPED ON REF,86 AND 66KV I/C-1 TRIPPED ON 86 ALONG WITH 66KV FEEDER G-6 CKT.-1
02	02.04.13	21:23	PAPPANKALAN-I 220/66kV 100MVA Tx-I	02.04.13	22:06	TX TRIPPED ON REF,86 AND 66KV I/C-1 TRIPPED ON 86 ALONG WITH 66KV REWARI LINE CKT.
03	04.04.13	11:04	GEETA COLONY 220/33kV 100MVA Tx-II	04.04.13	11:25	TX TRIPPED ON 30E,86. 33KV I/C-2 TRIPPED ON O/C,E/F.
04	04.04.13	13:25	NAJAFGARH 66/11kV, 20MVA Tx-I	04.04.13	13:48	TX TRIPPED ON 30D (HIGH OIL TEMP.)
05	05.04.13	6:55	GEETA COLONY 220/33kV 100MVA Tx-II	05.04.13	6:59	LOW GAS PRESSURE ALARM APPEARED ON TX.
06	06.04.13	0:21	220 KV I.P.- RPH CKT-I	06.04.13	18:15	CKT TRIPPED ON 195CC AND 195CB
07	06.04.13	8:26	MUNDKA 220/66kV 160MVA Tx-II	06.04.13	9:42	BUS BAR PROTECTION OPERATED
08	06.04.13	8:35	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	06.04.13	8:55	33KV I/C-1 TRIPPED ON O/C B-PH,86.
09	06.04.13	8:35	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	06.04.13	16:00	TX TRIPPED ON REF. 33KV I/C-2 TRIPPED ON O/C R-PH,86
10	06.04.13	15:44	220kV SARITA VIHAR - BTPS CKT.-I	06.04.13	16:26	AT BTPS CKT TRIPPED ON B-PH,DISTANCE PROTECTION,Z-1, DIST.-1.5 KM. NO TRIPPING AT SARITA VIHAR AS LINE CB REMAINS OFF AT SARITA VIHAR.
11	07.04.13	10:50	220KVBAWANA- ROHINI CKT-II	07.04.13	15:34	AT BAWANA CKT TRIPPED ON O/C,A-PH,86A,186 A.B. BOTTOM PH CONDUCTOR OF THE CKT FOUND BROKEN NEAR DTU NO TRIPPING AT ROHINI GRID.
12	07.04.13	15:16	220KV BAWANA- SHALIMARBAGH CKT-II	07.04.13	17:43	AT BAWANA CKT TRIPPED ON D/P. NO TRIPPING AT SHALIMARBAGH.
13	07.04.13	15:16	220KV BAWANA- SHALIMARBAGH CKT-I	07.04.13	17:42	AT BAWANA CKT TRIPPED ON D/P,186 A,B . NO TRIPPING AT SHALIMARBAGH
14	07.04.13	15:16	SHALIMAR BAGH 220/33kV 100MVA Tx-I	07.04.13	16:01	33KV I/C-1 OF TX TRIPPED ON 86.
15	08.04.13	2:28	SHALIMAR BAGH 220/33kV 100MVA Tx-I	08.04.13	3:05	33KV I/C OF TX TRIPPED ON 86.
16	08.04.13	9:45	400kV Ballabgarh- Bamnauli Ckt-I	08.04.13	10:21	CKT TRIPPED ON 130E,186 A,B
17	08.04.13	20:09	SARITA VIHAR 220/66kV 100MVA Tx-II	08.04.13	20:44	OPERATION OF BUS BAR PROTECTION. Y-PH CT OF BUS-1 DAMAGED.
18	08.04.13	20:09	SARITA VIHAR 220/66kV 100MVA Tx-I	08.04.13	20:44	OPERATION OF BUS BAR PROTECTION. Y-PH PT OF BUS-1 DAMAGED.
19	09.04.13	8:40	220kV BAMNAULI- PAPPANKALAN-I CKT-I	09.04.13	9:34	AT PPK-1 CKT TRIPPED ON D/P, A,B,C-PHASE,86. 220KV BUS-1 B-PH CT DAMAGED.
20	09.04.13	8:40	PAPPANKALAN-I 220/66kV 100MVA Tx- III	09.04.13	9:34	TX TRIPPED ON AUTO TRIP INDICATION. 220KV BUS-1 B-PH DAMAGED.
21	09.04.13	9:12	220kV BAMNAULI- PAPPANKALAN-I CKT-II	09.04.13	9:34	AT BAMNAULI CKT TRIPPED ON D/P,Z-2,186A&B,A&B-PH. NO TRIPPING AT PPK-1.
22	09.04.13	14:50	PARKSTREET 66/33kV, 30MVA Tx-I	09.04.13	17:03	TX TRIPPED ON BUCHHOLZ INDICATION,86
23	11.04.13	17:26	KANJHAWALA 220/66kV 100MVA Tx-II	11.04.13	17:52	ABNORMAL NOISE OBSERVED AT CT OF TX.
24	11.04.13	17:36	PAPPANKALAN-II 220/66kV 100MVA Tx-II	11.04.13	20:50	TX TRIPPED ON PRV & LLB.
25	12.04.13	2:45	400kV Ballabgarh- Bamnauli Ckt-I	12.04.13	2:50	AT BAMNAULI CKT TRIPPED ON 130C,186. CKT IS CHARGED UPTO TOWER NO-238.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
26	15.04.13	16:55	BAWANA 400/220kV 315MVA ICT-IV	15.04.13	17:14	ICT TRIPPED WITHOUT INDICATION
27	16.04.13	20:48	220KVBAWANA-ROHINI CKT-II	16.04.13	21:24	FLASH OBSERVED AT BUS ISOLATOR OF CKT.
28	17.04.13	23:08	OKHLA 66/11kV, 20MVA Tx-I	17.04.13	23:40	11KV I/C-1 TRIPPED ON E/F.
29	18.04.13	11:17	220kV MEHRAULI - BTPS CKT. - II	18.04.13	11:53	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,DISTANCE-14.07 KM AT BTPS CKT TRIPPED ON E/F
30	18.04.13	11:31	220kV BAMNAULI-NARAINA CKT-I	18.04.13	12:12	AT NARAYANA CKT TRIPPED ON BUS BAR PROTECTION .NO TRIPPING AT BAMNAULI.
31	20.04.13	13:18	LODHI RD 33/11kV, 20MVA Tx-I	20.04.13	13:27	TX TRIPPED ON O/C,86. 11KV I/C-1 TRIPPED WITHOUT INDICATION.
32	21.04.13	15:38	220KV BAWANA - NAJAFGARH CKT	21.04.13	16:04	AT BWN CKT TRIPPED ON D/P,B & C-PH,Z-1,DIST.-5.29 KM AT NJF CKT TRIPPED ON D/P, A,B,C-PH,
33	24.04.13	20:55	220 KV GOPALPUR-WAZIRABAD CKT	24.04.13	21:25	CKT TRIPPED WITHOUT INDICATION.
34	25.04.13	16:36	WAZIRABAD 220/66kV 100MVA Pr. Tx-II	25.04.13	17:50	TX TRIPPED WITHOUT INDICATION.
35	25.04.13	17:37	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	25.04.13	17:50	AT RIDGE VALLEY CKT TRIPPED ON D/P R,Y&B-PH. NO TRIPPING AT TRAUMA CENTER.
36	25.04.13	17:37	220kV NARAINA-RIDGE VALLEY CKT NO. -I	25.04.13	17:50	CKT TRIPPED WITHOUT INDICATION AT NARAYANA. AT RIDGE VALLEY CKT TRIPPED ON R,Y&B-PH
37	26.04.13	22:42	RIDGE VALLEY 220/66kV 160MVA Pr.Tx-I	27.04.13	11:34	TX TRIPPED ON REX,86A,86B,CB TROUBLE ALARM,E/F
38	26.04.13	22:50	220kV MAHARANIBAGH-MASJID MOTH CKT-II	27.04.13	15:28	AT M BAGH CKT TRIPPED ON D/P,Z-1,R,Y&B-PH. NO TRIPPING AT M MOTH. AT 23:06 CKT TRIED FROM M BAGH HOLD OK BUT AT M MOTH CB DIDNOT HOLD.
39	26.04.13	22:50	220kV MAHARANIBAGH-MASJID MOTH CKT-I	06.03.13	20:05	AT M BAGH CKT TRIPPED ON D/P,Z-1,R,Y&B-PH. AT M MOTH CKT TRIPPED ON 86. AT 23:08 CKT TRIED BUT TRIPPED ON SOTF. CABLE FAULTY IN DMRC EXCAVATION.
40	28.04.13	6:44	220kV NARELA - MANDOLA CKT-II	28.04.13	7:23	AT MDL CKT TRIPPED ON D/P,Z-1,B-PH. NO TRIPPING AT NRL.
41	28.04.13	15:25	220kV WAZIRABAD - KASHMERE GATE CKT-I	28.04.13	17:17	AT K GATE CKT TRIPPED D/P,Z-1. AT WZB CKT TRIPPED ON D/P, A,B&C-PH
42	28.04.13	15:25	220kV WAZIRABAD - KASHMERE GATE CKT-II	28.04.13	21:52	AT WZB CKT TRIPPED ON O/C,B-PH. NO TRIPPING AT K GATE. HOWEVER AT K GATE Y&B-PH ISOLATOR CLAMP AND B PH-CT CLAMP MELTED.
43	29.04.13	1:39	220KV WAZIRABAD - MANDOLA CKT-II	29.04.13	2:06	AT WZB CKT TRIPPED ON D/P,Z-1,DIST-0.5KM. NO TRIPPING AT MDL.

19.2 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH MAY –2013

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.05.13	5:40	OKHLA 220/66kV 100MVA Tx-I	01.05.13	6:17	TX TRIPPED ON BUCHHOLZ RELAY INDICATION. B-PH PT OF 66KV BUS-1 DAMAGED.
2	03.05.13	22:20	PATPARGANJ 220/33kV 100MVA Tx-I	03.05.13	23:05	TX TRIPPED ON 86 AND 33KV I/C-1 TRIPPED ON 86
3	04.05.13	11:54	220kV BAMNAULI-PAPPANKALAN-II CKT-II	04.05.13	12:13	AT BAMNAULI CKT TRIPPED ON D/P, A,B-PH,186 A&B. NO TRIPPING AT PPK-2.
4	04.05.13	12:47	220kV BAMNAULI - DIAL CKT-II	04.05.13	18:06	AT BAMNAULI CKT TRIPPED ON D/P,C-PH,186 A&B. AT DIAL CKT TRIPPED ON D/P,Z-1,B-PH.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
5	04.05.13	13:30	220kV MEHRAULI - BTPS CKT. - I	04.05.13	18:36	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,C-PH,186, DIST.-2.71 KM AT BTPS CKT TRIPPED ON D/P,Z-2.B-PH,E/F.
6	05.05.13	7:50	PAPPANKALAN-I 66/11kV, 20MVA Tx-I	05.05.13	13:08	REF PROT. OPERATED ON. TX
7	05.05.13	9:20	220kV BAWANA- DSIIDC BAWANA CKT NO.-I	05.05.13	13:15	AT NRL CKT TRIPPED ON O/C,R-PH,A,B&C-PH. NO TRIPPING AT DSIDC BWN GRID.
8	05.05.13	22:57	220kV MAHARANIBAGH- MASJID MOTH CKT-II	05.05.13	23:17	AT M BAGH CKT TRIPPED ON DC-I FAULT. NO TRIPPING AT M MOTH.
9	06.05.13	4:05	220kV MEHRAULI - VASANT KUNJ CKT. NO. - II	06.05.13	11:14	AT V KUNJ CKT TRIPPED ON 186 AND ITS RELAY COULD NOT BE RESET. AT MEHRAULI CKT TRIPPED ON 186A&B. LATER AT MEHRAULI S/D AVAILED ON CKT FOR TANGENTIAL TEST OF CT & CVT.
10	06.05.13	4:06	MEHRAULI 220/66kV 100MVA Tx-III	06.05.13	4:59	TX TRIPPED WITHOUT INDICATION.
11	06.05.13	4:06	220kV MEHRAULI - VASANT KUNJ CKT. NO.-I	06.05.13	4:52	AT MEHRAULI CKT TRIPPED ON 186A&B. NO TRIPPING AT VASANT KUNJ.
12	06.05.13	4:06	220kV MEHRAULI - BTPS CKT. - II	07.05.13	7:54	AT BTPS CKT TRIPPED ON D/P,Z-2,R,Y&B-PH. AT MEHRAULI CKT TRIPPED ON D/P, Z-1, B-N, 186, DIST-3.5KM. Y-PH CT DAMAGED AT MEHRAULI.
13	06.05.13	4:06	220kV DIAL- MEHRAULI CKT-I	06.05.13	4:50	AT MEHRAULI CKT TRIPPED ON 186. AT DIAL CKT TRIPPED ON REL FUSE FAIL,RYPH MAIN-2 PROTECTION TRIP
14	06.05.13	4:06	220kV MEHRAULI - BTPS CKT. - I	06.05.13	4:50	AT MEHRAULI CKT TRIPPED ON 186. NO TRIPPING AT BTPS.
15	06.05.13	4:06	220kV DIAL- MEHRAULI CKT-II	06.05.13	4:50	AT DIAL CKT TRIPPED ON RYPH MAIN-2 PROTECTION TRIP NO TRIPPING AT MEHRAULI.
16	07.05.13	11:37	220kV KANJHAWALA- NAJAFGARH CKT	07.05.13	11:48	CKT TRIPPED ON D/P,Z-1,ABC-PH,186. AT KANJHAWALA CKT DIDNOT TRIP.
17	07.05.13	16:55	220kV MEHRAULI - BTPS CKT. - I	07.05.13	17:33	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,186,DIST-8.29KM. AT BTPS CKT TRIPPED ON B-PH,E/F
18	07.05.13	22:40	KANJHAWALA 66/11kV, 20MVA Tx-I	08.05.13	16:13	TX TRIPPED ON 86,87A,87C,64RLV. Y-PH CT OF 11KV I/C BURNT.
19	08.05.13	10:55	220kV DIAL- MEHRAULI CKT-I	08.05.13	12:42	EM S/D AT MEHRAULI TO ATTEND HOT POINT AT Y-PH CT CLAMP CB SIDE.
20	11.05.13	18:30	220kV MAHARANIBAGH- MASJID MOTH CKT-II	11.05.13	19:10	AT M BAGH CKT TRIPPED ON MAIN-1,RYPH TRIPPED,TC-1 Y-PH FAULTY. NO TRIPPING AT M MOTH.
21	12.05.13	6:03	NARELA 220/66kV 100MVA Tx-I	12.05.13	6:17	TX TRIPPED ON 86.
22	12.05.13	17:33	400kV Ballabgarh- Bamnauli Ckt-II	12.05.13	18:01	AT BAMNAULI CKT TRIPPED ON D/P,C-PH,Z-1,186A&B
23	12.05.13	18:18	220kV MEHRAULI - BTPS CKT. - I	12.05.13	22:50	SUPPLY FAILED FROM BTPS DUE TO ISLANDING OF STATION. NO TRIPPING AT MEHRAULI.
24	12.05.13	18:18	220kV MEHRAULI - BTPS CKT. - II	12.05.13	22:50	SUPPLY FAILED FROM BTPS DUE TO ISLANDING OF STATION. NO TRIPPING AT MEHRAULI.
25	12.05.13	18:18	220kV OKHLA - BTPS CKT. - II	12.05.13	21:00	AT BTPS CKT TRIPPED ON RELAY 21(D/P). NO TRIPPING AT OKHLA.
26	12.05.13	18:18	220kV OKHLA - BTPS CKT. - I	12.05.13	19:35	SUPPLY FAILED FROM BTPS DUE TO ISLANDING OF STATION. NO TRIPPING AT OKHLA.
27	13.05.13	7:37	PATPARGANJ 220/66kV 100MVA Tx-II	13.05.13	17:50	TX TRIPPED ON 86.BUS BAR PROTECTION OPERATED AT PPG.
28	13.05.13	13:01	PRAGATI 220/66kV 160MVA Tx-I	13.05.13	16:48	TX TRIPPED ON OLTC BUCHHOLZ RELAY,SPRV,86,30D
29	13.05.13	13:01	PRAGATI 220/66kV 160MVA Tx-II	13.05.13	20:40	TX TRIPPED ON PRV RELAY,OLTC BUCHHOLZ,30E,30D

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
30	13.05.13	17:37	PATPARGANJ 220/66kV 100MVA Tx-I	13.05.13	17:50	TX TRIPPED ON 86.BUS BAR PROTECTION OPERATED AT PPG.
31	13.05.13	17:37	220kV GEETA COLONY- PATPARGANJ CKT -II	13.05.13	17:50	AT PPG CKT TRIPPED ON 186.NO TRIPPING AT GEETA COLONY. BUS BAR PROTECTION OPERATED AT PPG.
32	13.05.13	17:37	220 KV PATPARGANJ - I.P. CKT-II	13.05.13	17:50	AT PPG CKT TRIPPED ON 186.NO TRIPPING AT GEETA COLONY. BUS BAR PROTECTION OPERATED AT PPG.
33	15.05.13	23:07	220kV DIAL- MEHRAULI CKT-II	16.05.13	10:00	AT DIAL CKT TRIPPED ON REC.RED(LINE DIFFERENTIAL),REL(D/P). AT MEHRAULI CKT TRIPPED ON D/P,Z-1,186,DIST-1.7KM.
34	15.05.13	23:07	220kV DIAL- MEHRAULI CKT-I	16.05.13	0:29	AT DIAL CKT TRIPPED ON REC.RED(LINE DIFFERENTIAL),REL(D/P). AT MEHRAULI CKT DIDNOT TRIPPED.
35	16.05.13	1:52	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	16.05.13	2:11	AT RIDGE VALLEY CKT TRIPPED ON REL670,GEN TRIP 86 A&B, DEF RELAY OPERATED. NO TRIPPING AT TRAUMA CENTRE.
36	17.05.13	8:25	SUBZI MANDI 33/11kV, 16MVA Tx-I	17.05.13	10:40	TX. TRIPPED ON 87
37	17.05.13	9:33	SUBZI MANDI 33/11kV, 16MVA Tx-II	17.05.13	9:35	TX. TRIPPED ON O/C
38	18.05.13	16:44	220kV BAMNAULI- PAPPANKALAN-I CKT-I	18.05.13	18:15	AT BAMNAULI CKT TRIPPED ON DIST. PROT. ZONE-2, 186A&B, C-PHASE. NO TRIPPING AT PPK-I
39	18.05.13	20:59	NAJAFGARH 220/66kV 100MVA Tx-I	19.05.13	23:57	TX. TRIPPED ON 87, 186A&B. 220KV B-PHASE CT CAUGHT FIRE AND DAMAGED
40	19.05.13	13:44	220KV BAWANA - NAJAFGARH CKT	19.05.13	18:30	AT BAWANA CKT TRIPPED ON C-PHASE, 64, ZONE-I, DIST. PROT. NO TRIPPING AT NAJAFGARH
41	20.05.13	17:54	GOPALPUR 220/33kV 100MVA Tx-III	20.05.13	18:10	I/C OF TX TRIPPED ON O/C, B-PHASE
42	20.05.13	22:08	ROHINI 220/66kV 100MVA Tx-I	20.05.13	22:44	I/C OF TX. TRIPPED ON O/C
43	20.05.13	22:08	ROHINI 220/66kV 100MVA Tx-II	20.05.13	22:44	TX. TRIPPED ON REF
44	20.05.13	22:08	ROHINI 66/11kV, 20MVA Tx-II	21.05.13	19:49	TX. TRIPPED ON E/F, 86. B-PHASE CT OF 66KV SIDE BLASTED AND CAUGHT FIRE
45	20.05.13	23:44	OKHLA 220/66kV 100MVA Tx-II	21.05.13	0:34	TX TRIPPED ON 86. 51CX
46	20.05.13	23:44	OKHLA 220/66kV 100MVA Tx-I	21.05.13	0:32	TX TRIPPED ON 86, 51CX
47	21.05.13	15:15	220kV DIAL- MEHRAULI CKT-II	21.05.13	15:40	AT DIAL CKT TRIPPED ON REC GET RBFR B-PHASE MAIN-II R&Y PHASE. NO TRIPPING AT MEHRAULI
48	21.05.13	15:17	220kV OKHLA - BTPS CKT. - II	21.05.13	15:45	AT BTPS CKT TRIPPED ON Y&B PHASE E/F, ZONE-I. NO TRIPPING AT OKHLA
49	21.05.13	19:32	220kV BAMNAULI- PAPPANKALAN-II CKT-I	21.05.13	19:50	AT BAMNAULI CKT TRIPPED ON DIST. PROT. C-PHASE, 186A&B. C-PHASE CT OF 66KV BUS COUPLER BLASTED AT PAPPANKALAN END
50	21.05.13	19:32	220kV BAMNAULI- PAPPANKALAN-II CKT-II	21.05.13	19:45	AT BAMNAULI CKT TRIPPED ON DIST. PROT. C-PHASE, 186A&B. C-PHASE CT OF 66KV BUS COUPLER BLASTED AT PAPPANKALAN-II END
51	21.05.13	20:14	220kV BAMNAULI- PAPPANKALAN-II CKT-II	21.05.13	20:28	AT BAMNAULI CKT TRIPPED ON O/C, 186. NO TRIPPING AT PPK-II
52	21.05.13	23:55	220kV DIAL- MEHRAULI CKT-II	22.05.13	0:20	AT DIAL CKT TRIPPED ON O/C, GENERAL TRIP, 3-PHASE MAIN-I. NO TRIPPING AT MEHRAULI END
53	23.05.13	16:35	PAPPANKALAN-II 220/66kV 100MVA PR. Tx-II	23.05.13	16:42	TX TRIPPED ON O/C, 86

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
54	23.05.13	17:20	PAPPANKALAN-I 66/11kV, 20MVA PR. Tx-III	23.05.13	17:28	TX. TRIPPED ON O/C
55	23.05.13	23:44	PAPPANKALAN-I 66/11kV, 20MVA PR. Tx-III	23.05.13	23:52	TX TRIPPED ON 87R
56	24.05.13	13:42	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	24.05.13	14:05	I/C OF TX TRIPPED ON WITHOUT INDICATION
57	24.05.13	13:42	220kV GEETA COLONY - PATPARGANJ CKT-I	24.05.13	14:05	AT GEETA COLONY CKT TRIPPED ON DIST. PROT. ZONE-I, 3-PHASE TRIP. AT PATPARGANJ CKT TRIPPED ON 186, DIST. PROT. ZONE-2
58	24.05.13	18:39	BAMNAULI 400/220kV 315MVA ICT-I	25.05.13	16:30	ICT TRIPPED ON BUCHOLZ, 186A&B
59	25.05.13	19:20	PAPPANKALAN-II 220/66kV 100MVA PR. Tx-I	25.05.13	19:35	TX. TRIPPED ON LBB , 186 ALONG WITH 66KV I/C DUE TO BLASTING OF B-PHASE CT OF 66/11KV 20MVA TX BEING MAINTAINED BY BRPL
60	26.05.13	3:10	OKHLA 220/66kV 100MVA Tx-II	26.05.13	14:40	66KV I/C OF TX TRIPPED WITHOUT INDICATION
61	27.05.13	16:10	OKHLA 220/66kV 100MVA Tx-II	27.05.13	17:28	TX TRIPPED ON 87
62	28.05.13	14:15	MUNDKA 220/66kV 160MVA Tx-II	28.05.13	14:55	TX TRIPPED ON BUS BAR PROT.
63	28.05.13	22:35	GAZIPUR 220/66kV 100MVA Tx-II	28.05.13	22:58	TXTRIPPED ON TRIP SUPERVISION RELAY & 14
64	28.05.13	22:35	GAZIPUR 220/66kV 100MVA Tx-I	28.05.13	23:38	TXTRIPPED ON TRIP SUPERVISION RELAY,14
65	29.05.13	0:35	GAZIPUR 220/66kV 100MVA Tx-I	29.05.13	0:58	TX TRIPPED ON TRIP SUPERVISION RELAY
66	29.05.13	3:35	GAZIPUR 220/66kV 100MVA Tx-II	29.05.13	0:58	TX TRIPPED ON AUX RELAY
67	29.05.13	4:45	GAZIPUR 220/66kV 100MVA Tx-II	29.05.13	4:55	I/C OF TX TRIPPED ON O/C, B-PHASE,86
68	29.05.13	4:45	GAZIPUR 220/66kV 100MVA Tx-I	29.05.13	4:55	TXTRIPPED ON TRIP CKT SUPV RELAY
69	29.05.13	5:55	NARAINA 33/11kV, 16MVA Tx-I	29.05.13	20:55	TXTRIPPED ON 87
70	29.05.13	10:10	GAZIPUR 220/66kV 100MVA Tx-I	29.05.13	10:15	TX TRIPPED WITHOUT INDICATION
71	29.05.13	11:44	GAZIPUR 220/66kV 100MVA Tx-I	29.05.13	11:53	TX TRIPPED ON TRIP SUPERVISION RELAY
72	29.05.13	12:22	GAZIPUR 220/66kV 100MVA Tx-I	29.05.13	12:29	TX TRIPPED ON TRIP SUPV RELAY
73	30.05.13	5:45	MEHRAULI 66/11kV, 20MVA Tx-I	30.05.13	6:12	TX TRIPPED ON 86 ALONG WITH 11KV FEEDER ANDHAREA BAGH-2 CKT.
74	30.05.13	18:15	OKHLA 220/66kV 100MVA Tx-II	30.05.13	14:58	TX TRIPPED ON DIFFERENTIAL PROTECTION ON Y&B-PH HV,REF.64,186,195
75	31.05.13	13:33	RIDGE VALLEY 220/66kV 160MVA Tx-I	31.05.13	14:24	TX TRIPPED ON REC CB TROUBLE ALARM, REL 620 GEN TRIP,86 A&B,REX 581
76	31.05.13	6:12	220kV MAHARANIBAGH- MASJID MOTH CKT-II	31.05.13	6:50	AT M MOTH CKT TRIPPED ON 195,295,Ryb-PH DIFFERENTIAL RELAY OPERATED,86 ABC- PH,230AB. AT M BAGH CKT TRIPPED CKT TRIPPED ON86 A&B.
77	31.05.13	13:33	220kV MAHARANIBAGH- TRAUMA CENTER CKT-I	Still Out		AT M BAGH CKT TRIPPED ON GEN TRIP Ryb- PH,D/P,Z-1, DIST-6.35KM, NO TRIPPING AT TRAUMA CENTRE. CABLE FAULTY IN HDD DRILLING OF DELHI JAL BOARD.
78	31.05.13	13:38	220kV MAHARANIBAGH - TRAUMA CENTER CKT-II	Still Out		AT M BAGH CKT TRIPPED ON GEN TRIP Ryb- PH,D/P,Z-1, DIST-4.81KM, NO TRIPPING AT TRAUMA CENTRE. CABLE FAULTY IN HDD DRILLING OF DELHI JAL BOARD.

19.3 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH JUNE – 2013

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	03.06.13	7:25	220kV MAHARANIBAGH-MASJID MOTH CKT-II	03.06.13	8:10	AT M BAGH CKT TRIPPED ON D/P,Z-3,86A&B. NO TRIPPING AT M MOTH.
2	05.06.13	7:10	PRAGATI 220/66kV 160MVA Tx-II	05.06.13	15:23	TX TRIPPED ON DIFFERENTIAL PROTECTION,REF.86. 66KV I/C-2 TRIPPED ON INTER TRIPPING.
3	06.06.13	14:20	NAJAFGARH 66/11kV, 20MVA Tx-II	06.06.13	14:37	TX TRIPPED ON O/C,51AX.
4	06.06.13	16:41	400kV Mundka-Jhatikara Ckt-I	14.06.13	10:00	AT MUNDKA CKT TRIPPED ON DIST. PROT. ZONE-I, R-PHASE, A/R LOCKOUT. EARTH WIRE SNAPPED BETWEEN T. NO. 124 & 129 NEAR NELWAL VILLAGE AT MUNDKA. AT JHATIKRA : NOT AVAILABLE
5	06.06.13	16:47	220KVBAWANA-ROHINI CKT-I	24.06.13	14:10	AT BAWANA CKT TRIPPED ON DIST. PROT. C-PHASE, ZONE-1. TOWER NO. 27 (NEAR KHERA KALAN VILLAGE) COLLAPSED AND TOP CROSS ARM OF TOWER NO. 24 ALSO DAMAGED. NO TRIPPING AT ROHINI
6	06.06.13	16:47	220KVBAWANA-ROHINI CKT-II	09.06.13	16:04	AT BAWANA CKT TRIPPED ON DIST. PROT. C-PHASE, ZONE-1. TOWER NO. 27 (NEAR KHERA KALAN VILLAGE) COLLAPSED AND TOP CROSS ARM OF TOWER NO. 24 ALSO DAMAGED. NO TRIPPING AT ROHINI. CKT RESTORED THROUGH EMERGENCY RESTORATION SYSTEM(ERS) ON 09.06.2013.
7	06.06.13	16:55	220kV GOPALPUR-MANDOLACKT-I	06.06.13	18:05	AT MANDOLA CKT TRIPPED ON DIST. PROT. ZONE-4, C-N PHASE. NO TRIPPING AT GOPALPUR
8	06.06.13	16:55	220kV GOPALPUR-MANDOLACKT-II	06.06.13	18:05	AT GOPALPUR CKT TRIPPED ON DIST. PROT. ZONE-I, 3-PHASE TRIP. AT MANDOLA CKT TRIPPED ON DIST. PROT. ZONE-I
9	06.06.13	16:59	220KV BAWANA-SHALIMARBAGH CKT-I	07.06.13	10:00	AT SHALIMARBAGH CKT TRIPPED ON DIST. PROT. C-PHASE, 186A&B, ZONE-I. B-PHASE CONDUCTOR SNAPPED AND FELT NEAR 66KV BADLI GRID OF TPDDL.
10	06.06.13	17:17	GOPALPUR 33/11kV, 16MVA Tx-II	06.06.13	20:31	TX TRIPPED ON OLTC BUCHHOLZ
11	08.06.13	8:06	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	08.06.13	15:55	33KV I/C OF TX TRIPPED WITHOUT INDICATION
12	09.06.13	5:31	GOPALPUR 33/11kV, 16MVA Tx-I	09.06.13	5:36	TX TRIPPED ON O/C, R-PHASE
13	09.06.13	6:38	PARKSTREET 220/33kV 100MVA Tx-II	09.06.13	8:28	I/C OF TX TRIPPED ON E/F
14	09.06.13	8:14	PRAGATI 220/66kV 160MVA Tx-II	09.06.13	10:15	TX. TRIPPED ON OLTC BUCHHOLZ, 30A
15	09.06.13	8:14	PRAGATI 220/66kV 160MVA Tx-I	09.06.13	8:54	TX TRIPPED ON 30D, OLTC, 86
16	11.06.13	11:38	220kV NARELA - MANDOLA CKT-I	11.06.13	12:15	AT MANDOLA CKT TRIPPED ON DIST. PROT. ZONE-I, R-PHASE. NO TRIPPING AT NARELA
17	11.06.13	23:36	220kV GAZIPUR - BTPS CKT	31.07.13	10:10	AT BTPS CKT TRIPPED ON D/P,Z-1,Y-PH,E/F,DIST-10.8 KM. NO TRIPPING AT GAZIPUR. CABLE DAMAGED.
18	13.06.13	8:42	BAWANA 400/220kV 315MVA ICT-I	13.06.13	11:40	ICT TRIPPED ON PRV

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
19	13.06.13	8:46	GOPALPUR 220/33kV 100MVA Tx-III	13.06.13	11:40	TX. TRIPPED ON 186, AUX RELAY
20	13.06.13	9:20	PRAGATI 220/66kV 160MVA Tx-I	13.06.13	10:11	TX TRIPPED ON 195C
21	13.06.13	10:16	BAWANA 400/220kV 315MVA ICT-II	13.06.13	11:44	ICT TRIPPED ON 186A&B
22	14.06.13	12:57	220 KV PATPARGANJ - I.P. CKT-II	14.06.13	13:06	AT PATPARGANJ CKT TRIPPED ON 186, ZONE-I. NO TRIPPING AT IP. 220KV Y-PHASE LA DAMAGED
23	14.06.13	12:57	220kV GEETA COLONY- PATPARGANJ CKT -II	14.06.13	18:00	AT PATPARGANJ CKT TRIPPED ON 186, ZONE-I. AT GEETA COLONY CKT TRIPPED ON 3-PHASE TRIP, DIST. PROT. O/C, E/F
24	14.06.13	16:32	GAZIPUR 220/66kV 100MVA Tx-I	14.06.13	17:10	TX TRIPPED ON HIGH SPEED TRIPPING RELAY
25	14.06.13	21:58	220kV BAWANA- DSIIDC BAWANA CKT- II	15.06.13	8:30	AT NARELA CKT TRIPPED ON 86. NO TRIPPING AT DSIDC
26	15.06.13	14:57	220kV GOPALPUR- MANDOLA CKT-II	15.06.13	16:52	AT GOPALPUR CKT TRIPPED ON DIST. PROT. Z-1. AT MANDOLA CKT TRIPPED ON DIST. PROT. ZONE-2, 3-PHASE TRIP
27	15.06.13	17:35	OKHLA 220/33kV 100MVA Tx-III	16.06.13	12:15	TX TRIPPED ON DIFFERENTIAL DUE TO ELECTROCUTION OF MONKEY. R-PHASE CT DAMAGED
28	15.06.13	17:35	OKHLA 220/33kV 100MVA Tx-IV	15.06.13	17:55	33KV I/C OF TX TRIPPED ON 86LV, E/F DUE TO ELECTROCUTION OF MONKEY
29	15.06.13	18:50	SARITA VIHAR 220/66kV 100MVA Tx-II	16.06.13	1:36	TX TRIPPED ON 86, 64REF
30	15.06.13	23:29	MEHRAULI 220/66kV 100MVA Tx-III	16.06.13	12:25	TX TRIPPED WITHOUT INDICATION ALONG WITH 66KV I/C
31	16.06.13	13:06	PAPPANKALAN-I 220/66kV 100MVA Tx-I	16.06.13	23:30	TX TRIPPED ON HV REF, 87 DUE TO BIRDAGE
32	16.06.13	13:06	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	16.06.13	13:31	TX TRIPPED ON O/C, E/F, C-PHASE
33	16.06.13	14:13	PAPPANKALAN-I 220/66kV 100MVA Tx-I	16.06.13	18:24	TX TRIPPED ON WINDING TEMP ALARM, GROUPA, 30ABC, 30G
34	16.06.13	23:25	OKHLA 220/33kV 100MVA Tx-III	17.06.13	14:24	I/C OF TX TRIPPED ON 51A,51B,86. Y-PHASE JUMPER OF 33KV BUS SNAPPED
35	16.06.13	23:25	OKHLA 220/33kV 100MVA Tx-IV	17.06.13	14:24	I/C OF TX TRIPPED TRIPPED ON 51A, 86 LV SIDE. Y-PHASE JUMPER OF 33KV BUS SNAPPED
36	16.06.13	23:25	OKHLA 220/33kV 50MVA Tx-I	17.06.13	15:18	I/C OF TX TRIPPED ON 51A,51C,95C. Y-PHASE JUMPER OF 33KV BUS SNAPPED
37	17.06.13	8:50	RIDGE VALLEY 220/66kV 160MVA Tx-I	17.06.13	14:48	TX TRIPPED ON OLTC, CB TROUBLE ALARM, 86A&B
38	17.06.13	12:22	PRAGATI 220/66kV 160MVA Tx-I	17.06.13	12:41	TX TRIPPED ON 51CX, 86
39	17.06.13	12:22	PRAGATI 220/66kV 160MVA Tx-II	17.06.13	14:52	TX TRIPPED ON OLTC BUCHOLZ,86
40	17.06.13	12:55	WAZIRABAD 66/11kV, 20MVA Tx-III	17.06.13	14:02	TX TRIPPED ON SPR
41	17.06.13	14:42	220kV OKHLA - BTPS CKT. - II	17.06.13	15:18	AT BTPS CKT TRIPPED ON Y-PHASE, E/F. NO TRIPPING AT OKHLA
42	17.06.13	15:15	NARAINA 220/33kV 100MVA Tx-I	17.06.13	16:44	TX TRIPPED ON 30DEF, 86
43	17.06.13	17:16	SHALIMAR BAGH 220/33kV 100MVA Tx-I	25.06.13	17:15	TX TRIPPED ON OLTC BUCHOLZ. Y-PHASE 33kV BUSHING DAMAGED
44	17.06.13	17:50	NARAINA 220/33kV 100MVA Tx-I	17.06.13	22:22	TX TRIPPED ON GOUP B, 86B, 30DEF
45	17.06.13	23:42	NARAINA 220/33kV 100MVA Tx-I	18.06.13	17:05	TX TRIPPED ON 30DEF, INTERTRIP GROUP B
46	18.06.13	12:11	NARAINA 220/33kV 100MVA Tx-II	18.06.13	12:25	33KV I/C-2 TRIPPED ON O/C, E/F
47	18.06.13	14:25	220kV NARELA - MANDOLA CKT-I	18.06.13	15:07	CKT TRIPPED ON SPS AT 400KV MANDOLA.
48	18.06.13	14:25	220kV NARELA - MANDOLA CKT-II	18.06.13	14:05	CKT TRIPPED ON SPS AT 400KV MANDOLA.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
49	18.06.13	14:25	220kV GOPALPUR-MANDOLA CKT-I	18.06.13	14:58	CKT TRIPPED ON SPS AT 400KV MANDOLA.
50	18.06.13	14:25	220kV GOPALPUR-MANDOLA CKT-II	18.06.13	14:58	CKT TRIPPED ON SPS AT 400KV MANDOLA.
51	19.06.13	12:11	GEETA COLONY 220/33kV 100MVA Tx-II	19.06.13	12:24	TX TRIPPED ON 30E,86 AND 33KV I/C-1 TRIPPED ON O/C,30. BIRDAGE REPORTED IN YARD.
52	19.06.13	12:11	GEETA COLONY 220/33kV 100MVA Tx-I	19.06.13	12:24	TX TRIPPED ON 30E,86 AND 33KV I/C-1 TRIPPED ON O/C. BIRDAGE REPORTED IN YARD.
53	20.06.13	16:57	220kV PRAGATI - SARITA VIHAR CKT	20.06.13	20:13	AT PRAGATI CKT TRIPPED ON D/P,Z-1,DIST-8.729 KM AT S VIHAR CKT TRIPPED ON 195CA,195CC,D/P,Z-1,DIST-3.705 KM. Y-PH BUS-2 ISOLATOR CLAMP DAMAGED.
54	22.06.13	11:58	220KV BAWANA - NAJAFGARH CKT	22.06.13	12:06	AT BWN CKT TRIPPED ON D/P,C-PH,Z-1,DIST.-11.98KM. AT NJF CKT TRIPPED ON 186.
55	22.06.13	22:15	PATPARGANJ 220/66kV 100MVA Tx-II	22.06.13	22:20	66KV I/C-2 TRIPPED ON R-PH,O/C.
56	22.06.13	22:15	PATPARGANJ 220/66kV 100MVA Tx-I	22.06.13	22:20	66KV I/C-1 TRIPPED ON R-PH,O/C.
57	22.06.13	22:32	PATPARGANJ 220/66kV 100MVA Tx-II	22.06.13	22:35	66KV I/C-2 TRIPPED ON R-PH,O/C.
58	22.06.13	22:32	PATPARGANJ 220/66kV 100MVA Tx-I	22.06.13	22:35	66KV I/C-1 TRIPPED ON R-PH,O/C.
59	22.06.13	22:45	PATPARGANJ 220/66kV 100MVA Tx-II	22.06.13	22:54	66KV I/C-2 TRIPPED ON R-PH,O/C.
60	22.06.13	22:45	PATPARGANJ 220/66kV 100MVA Tx-I	22.06.13	22:54	66KV I/C-1 TRIPPED ON R-PH,O/C.
61	23.06.13	2:23	PATPARGANJ 220/66kV 100MVA Tx-II	23.06.13	2:45	66KV I/C-2 TRIPPED ON SPS.
62	23.06.13	2:23	GEETA COLONY 220/33kV 100MVA Tx-II	23.06.13	2:40	33KV I/C-2 TRIPPED ON SPS.
63	23.06.13	2:23	PATPARGANJ 220/66kV 100MVA Tx-I	23.06.13	2:45	66KV I/C-1 TRIPPED ON SPS.
64	23.06.13	9:40	GOPALPUR 33/11kV, 16MVA Tx-I	23.06.13	9:50	TX TRIPPED ON O/C AND 11KV I/C TRIPPED ON O/C,86
65	23.06.13	15:13	PATPARGANJ 220/66kV 100MVA Tx-I	23.06.13	15:39	TX TRIPPED ON O/C,R-PH,WINDING TEMPERATURE ALARM.
66	23.06.13	22:53	VASANT KUNJ 220/66kV 160MVA Tx-I	24.06.13	4:40	TX TRIPPED ON 96(BUS BAR PROTECTION)OPERATED.
67	23.06.13	22:53	VASANT KUNJ 220/66kV 100MVA Tx-II	24.06.13	4:40	TX TRIPPED ON 96(BUS BAR PROTECTION)OPERATED.
68	23.06.13	22:53	220kV MEHRAULI - VASANT KUNJ CKT.-I	24.06.13	0:28	CKT TRIPPED ON 186 A&B,96(BUS BAR PROTECTION)OPERATED.
69	24.06.13	9:50	SUBZI MANDI 33/11kV, 16MVA Tx-I	24.06.13	10:42	TX TRIPPED ON O/C,Y&B-PH.
70	24.06.13	12:23	220kV MAHARANI BAGH - SARITA VIHAR CKT	24.06.13	13:15	AT MAHARANI BAGH CKT TRIPPED ON D/P,B-PH. NO TRIPPING AT SARITA VIHAR.
71	24.06.13	12:24	220kV PRAGATI - SARITA VIHAR CKT	24.06.13	13:17	AT SARITA VIHAR CKT TRIPPED ON D/P,Z-1,A/R,186 A&B-PH, DIST-1.713KM.
72	25.06.13	13:45	220kV MAHARANI BAGH - SARITA VIHAR CKT	25.06.13	14:06	AT MAHARANIBAGH CKT TRIPPED ON D/P,R-PH,Z-1,DIST-2.4 KM. NO TRIPPING AT SARITA VIHAR.
73	25.06.13	19:38	220kV MAHARANI BAGH - SARITA VIHAR CKT	25.06.13	20:43	AT MAHARANI BAGH CKT TRIPPED ON D/P,Z-1. NO TRIPPING AT SARITA VIHAR.
74	26.06.13	4:22	GAZIPUR 220/66kV 100MVA Tx-I	26.06.13	5:05	TX TRIPPED ON SUPERVISION RELAY.
75	26.06.13	6:55	NARAINA 220/33kV 100MVA Tx-II	26.06.13	7:21	33KV I/C-2 TRIPPED ON O/C,B-PH,E/F,86. BIRDAGE REPORTED IN YARD. R AND B-PH OF 33KV BUS-1 ISOLATOR OF 33KV KIRBI PLACE CKT-2 DAMAGED.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
76	26.06.13	6:55	NARAINA 220/33kV 100MVA Tx-III	26.06.13	7:21	33KV I/C-3 TRIPPED ON O/C,B-PH,E/F,86. BIRDAGE REPORTED IN YARD. R AND B-PH OF 33KV BUS-1 ISOLATOR OF 33KV KIRBI PLACE CKT-2 DAMAGED.
77	26.06.13	6:55	NARAINA 220/33kV 100MVA Tx-I	26.06.13	7:21	33KV I/C-1 TRIPPED ON O/C,B-PH,E/F,86. BIRDAGE REPORTED IN YARD. R AND B-PH OF 33KV BUS-1 ISOLATOR OF 33KV KIRBI PLACE CKT-2 DAMAGED.
78	26.06.13	11:00	220KV WAZIRABAD - MANDOLA CKT-III	26.06.13	11:29	AT WZB CKT TRIPPED ON D/P,Z-1 AT MANDOLA CKT TRIPPED ON D/P,Z-1,R,Y&B-PH,DIST-12.55 KM
79	28.06.13	1:03	220kV MEHRAULI - BTPS CKT. - I	29.06.13	8:13	AT BTPS CKT TRIPPED ON R-PH,E/F,D/P,Z-1,DIST-4.6 KM. NO TRIPPING AT MEHRAULI. JUMPER SNAPPED AT TOWER NO-20. Y-PH FEMALE CONTACT OF LINE ISOLATOR DAMAGED.
80	28.06.13	7:39	400kV Mandola-Bawana Ckt-I	28.06.13	17:44	CKT MADE OFF AS SPARKING REPORTED ON CVT JUMPER AT BAWANA
81	28.06.13	12:48	220kV BAWANA-DSIDC BAWANA CKT-I	28.07.13	18:31	AT BAWANA CKT TRIPPED ON D/P,Z-1,DIST-1.15 KM. AT DSIDC CKT TRIPPED ON D/P,A-PH,86
82	29.06.13	12:40	MUNDKA 220/66kV 160MVA Tx-III	29.06.13	13:40	TX TRIPPED ON GENERAL TRIP O/C.
83	29.06.13	16:11	220kV MEHRAULI - BTPS CKT. - I	29.06.13	20:45	AT BTPS CKT TRIPPED ON D/P,Z-1,A-PH,DIST-13.5 KM AT MEHRAULI CKT TRIPPED ON D/P,Z-1,R-PH,DIST-6.8 KM.
84	29.06.13	17:12	220kV GOPALPUR-MANDOLA CKT-II	29.06.13	18:33	AT GOPALPUR CKT TRIPPED ON D/P,Z-1,Y-PH,DIST-2.91 KM. AT MDL CKT TRIPPED ON D/P,Z-1,DIST-18.12 KM.
85	29.06.13	17:23	GOPALPUR 220/33kV 100MVA Tx-III	06.07.13	17:46	TX TRIPPED ON DIFFERENTIAL,E/F & 86. R-PH BUSHING OF LV SIDE DAMAGED.
86	29.06.13	17:25	400kV Mandola-Bawana Ckt-I	29.06.13	17:42	AT BAWANA CKT TRIPPED ON D/P,B-PH,Z-1. AT MDL CKT TRIPPED ON D/P,C-N PHASE,DIST-13.34 KM
87	29.06.13	17:44	220kV WAZIRABAD-GEETA COLONY CKT-II	29.06.13	17:55	AT WZB CKT TRIPPED ON GENERAL TRIP,D/P,Z-1. AT GEETA COLONY CKT TRIPPED ON E/F,D/P,Z-2,DIST-6.749 KM
88	29.06.13	17:50	220 KV PATPARGANJ - I.P. CKT-II	29.06.13	17:55	AT IP CKT TRIPPED ON D/P,Z-1,186,R,Y&B-PHASE. NO TRIPPING AT PPG.
89	29.06.13	17:56	PAPPANKALAN-I 66/11kV, 20MVA Tx-III	29.06.13	21:05	TX TRIPPED ON 30 ABC,BUCHHOLZ(OLTC),86
90	29.06.13	18:03	220kV OKHLA - BTPS CKT. - II	29.06.13	18:23	AT BTPS CKT TRIPPED ON D/P,Z-1,Y&B-PHASE,DIST-6.91 KM. NO TRIPPING AT OKHLA.
91	29.06.13	18:16	GEETA COLONY 220/33kV 100MVA Tx-II	29.06.13	19:30	TX TRIPPED ON 30L,86,30 AUTO TRIP,PRV. 33KV I/C-2 TRIPPED WITHOUT INDICATION.

19.4 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH JULY -2013

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.07.13	18:26	220kV BAMNAULI-PAPPANKALAN-I CKT-I	01.07.13	18:45	PEACOCK ELECTROCUTED AT BAMNAULI YARD. CKT TRIPPED ON A/R,A&B-PH,186A&B AT PPK-1.
2	01.07.13	18:26	220kV BAMNAULI-PAPPANKALAN-I CKT-II	01.07.13	18:43	AT BAMNAULI CKT TRIPPED ON D/P,A-PH,Z-2,186A&B. PEACOCK ELECTROCUTED AT BAMNAULI YARD. AT PPK-1 CKT TRIPPED ON A/R,A&B-PH,186A&B.
3	01.07.13	18:26	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	01.07.13	18:47	AT RV CKT TRIPPED ON GENERAL TRIP,DEF,86A&B,RXEG,27-1 & 27-2. NO TRIPPING AT TRAUMA CENTER.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
4	01.07.13	19:46	GOPALPUR 220/33kV 100MVA Tx-II	01.07.13	20:14	33KV I/C-1 TRIPPED ON 51CX.
5	02.07.13	0:14	PATPARGANJ 220/66kV 100MVA Tx-I	02.07.13	0:19	66KV I/C-1 TRIPPED ON O/C,51AX.
6	02.07.13	12:54	220KV WAZIRABAD - MANDOLA CKT-IV	02.07.13	13:24	AT MDL: D/P,R-N PH,Z-2,DIST.-12.69KM AT WZB: D/P,R-PH,Z-2
7	02.07.13	12:54	220KV WAZIRABAD-GEETA COLONY CKT-II	02.07.13	13:24	AT GEETA COLONY CKT TRIPPED ON D/P, A,B&C-PH. NO TRIPPING AT WZB.
8	02.07.13	12:54	220KV WAZIRABAD-GEETA COLONY CKT-I	02.07.13	13:04	AT GEETA COLONY CKT TRIPPED ON D/P, A,B&C-PH. NO TRIPPING AT WZB.
9	02.07.13	17:35	WAZIRABAD 220/66kV 100MVA Tx-III	02.07.13	17:55	TX TRIPPED ON E/F. BIRDAGE REPORTED IN YARD.
10	02.07.13	17:35	220KV WAZIRABAD-GEETA COLONY CKT-II	02.07.13	17:49	AT GEETA COLONY: D/P, A,B&C-PH, DIST.- 7.952KM NO TRIPPING AT WZB.
11	02.07.13	17:35	220KV WAZIRABAD-GEETA COLONY CKT-I	02.07.13	17:49	AT GEETA COLONY: D/P, A,B&C-PH, DIST.- 7.952KM NO TRIPPING AT WZB.
12	03.07.13	11:30	RIDGE VALLEY 220/66kV 160MVA Tx-II	03.07.13	11:45	66KV I/C-2 TRIPPED ON 51N(E/F)
13	03.07.13	11:30	RIDGE VALLEY 220/66kV 160MVA Tx-I	03.07.13	12:02	TX TRIPPED ON RET 670(GEN TRIP,E/F),REC(670,CB TROUBLE ALARM,86A&B),86A&B 66KV I/C-1 TRIPPED ON 86A&B
14	03.07.13	22:03	220 KV TRAUMA CENTER- RIDGE VALLEY CKT-2	03.07.13	22:13	CKT TRIPPED ON GENERAL TRIP,86A&B AT RIDGE VALLEY. NO TRIPPING AT TRAUMA CENTER.
15	04.07.13	14:45	INDRAPRASTHA POWER 33kv DELHI GATE CKT (BAY-17)	04.07.13	15:06	33KV TIE CB NO-12 OF 33KV WEST BUS TRIPPED ON O/C,B-PH,E/F AND 33KV TIE CB NO-36 OF 33KV WEST BUS TRIPPED ON R&B- PH,E/F.
16	04.07.13	14:45	INDRAPRASTHA POWER 33kv IG STADIUM CKT-II (BAY-33)	04.07.13	15:06	33KV TIE CB NO-12 OF 33KV WEST BUS TRIPPED ON O/C,B-PH,E/F AND 33KV TIE CB NO-36 OF 33KV WEST BUS TRIPPED ON R&B- PH,E/F.
17	04.07.13	14:45	INDRAPRASTHA POWER 33kv IG STADIUM CKT-I (BAY-29)	04.07.13	15:06	33KV TIE CB NO-12 OF 33KV WEST BUS TRIPPED ON O/C,B-PH,E/F AND 33KV TIE CB NO-36 OF 33KV WEST BUS TRIPPED ON R&B- PH,E/F.
18	04.07.13	14:45	INDRAPRASTHA POWER 33kv KILOKRI CKT (BAY-25)	04.07.13	15:06	33KV TIE CB NO-12 OF 33KV WEST BUS TRIPPED ON O/C,B-PH,E/F AND 33KV TIE CB NO-36 OF 33KV WEST BUS TRIPPED ON R&B- PH,E/F.
19	04.07.13	14:45	INDRAPRASTHA POWER 33kv GB PANT CKT (BAY- 19)	04.07.13	15:06	33KV TIE CB NO-12 OF 33KV WEST BUS TRIPPED ON O/C,B-PH,E/F AND 33KV TIE CB NO-36 OF 33KV WEST BUS TRIPPED ON R&B- PH,E/F.
20	04.07.13	14:45	INDRAPRASTHA POWER 33kv NIZAMUDDIN CKT (BAY-13)	04.07.13	15:06	33KV TIE CB NO-12 OF 33KV WEST BUS TRIPPED ON O/C,B-PH,E/F AND 33KV TIE CB NO-36 OF 33KV WEST BUS TRIPPED ON R&B- PH,E/F.
21	04.07.13	14:45	INDRAPRASTHA POWER 33kv EXHIBITION GR-2 CKT (BAY-9)	04.07.13	15:06	33KV TIE CB NO-12 OF 33KV WEST BUS TRIPPED ON O/C,B-PH,E/F AND 33KV TIE CB NO-36 OF 33KV WEST BUS TRIPPED ON R&B- PH,E/F.
22	04.07.13	14:45	INDRAPRASTHA POWER 33kv EXHIBITION GR-I CKT (BAY-7)	04.07.13	15:06	33KV TIE CB NO-12 OF 33KV WEST BUS TRIPPED ON O/C,B-PH,E/F AND 33KV TIE CB NO-36 OF 33KV WEST BUS TRIPPED ON R&B- PH,E/F.
23	04.07.13	14:45	INDRAPRASTHA POWER 33kv LAJPATNAGAR CKT (BAY-5)	04.07.13	15:06	33KV TIE CB NO-12 OF 33KV WEST BUS TRIPPED ON O/C,B-PH,E/F AND 33KV TIE CB NO-36 OF 33KV WEST BUS TRIPPED ON R&B- PH,E/F.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
24	04.07.13	14:45	INDRAPRASTHA POWER 33kv KILOKRI CKT (BAY-1)	04.07.13	15:06	33KV TIE CB NO-12 OF 33KV WEST BUS TRIPPED ON O/C,B-PH,E/F AND 33KV TIE CB NO-36 OF 33KV WEST BUS TRIPPED ON R&B-PH,E/F
25	05.07.13	12:48	WAZIRABAD 66/11kv, 20MVA Tx-IV	05.07.13	15:15	TX. TRIPPED ON DIFFERENTIAL PROTECTION. BIRDAGE REPORTED IN YARD.
26	05.07.13	18:42	PAPPANKALAN-I 220/66kv 100MVA Tx-IV	05.07.13	18:58	66KV I/C-4 TRIPPED ON O/C,E/F,86
27	05.07.13	23:25	PAPPANKALAN-I 66/11kv, 20MVA Tx-III	05.07.13	23:31	TX TRIPPED ON O/C,R-PH,30ABC
28	07.07.13	13:02	NARAINA 33kv KHEBER LINE CKT-II	07.07.13	13:20	ALL PHASE PT OF 33KV BUS-2 DAMAGED. CKT CHARGED THROUGH 33KV BUS-1.
29	07.07.13	13:02	NARAINA 33kv KHEBER LINE CKT-I	07.07.13	13:20	ALL PHASE PT OF 33KV BUS-2 DAMAGED. CKT CHARGED THROUGH 33KV BUS-1.
30	07.07.13	13:02	NARAINA 33kv KIRBI PLACE CKT-II	07.07.13	13:20	ALL PHASE PT OF 33KV BUS-2 DAMAGED. CKT CHARGED THROUGH 33KV BUS-1.
31	07.07.13	13:02	NARAINA 33kv KIRBI PLACE CKT-I	07.07.13	13:20	ALL PHASE PT OF 33KV BUS-2 DAMAGED. CKT CHARGED THROUGH 33KV BUS-1.
32	07.07.13	13:02	NARAINA 220/33kv 100MVA Tx-II	08.07.13	19:10	ALL PHASE PT OF 33KV BUS-2 DAMAGED.
33	07.07.13	13:02	NARAINA 33kv SHEKHAWATI CKT	07.07.13	13:20	ALL PHASE PT OF 33KV BUS-2 DAMAGED. CKT CHARGED THROUGH 33KV BUS-1.
34	07.07.13	16:12	220kv GEETA COLONY-PATPARGANJ CKT-I	07.07.13	16:21	AT PPG CKT TRIPPED ON D/P,Z-1,DIST-2.989 KM AT GEETA COLONY CKT TRIPPED ON D/P,ABC-PH,Z-1,DIST-1.568 KM.
35	09.07.13	8:12	220kv WAZIRABAD - KASHMEREGATE CKT-II	09.07.13	8:29	AT WZB CKT TRIPPED ON D/P,Y-PH,DIST-0.7 KM NO TRIPPING AT KASHMIRIGATE.
36	09.07.13	17:43	220KV WAZIRABAD - MANDOLA CKT-III	09.07.13	18:05	AT WZB CKT TRIPPED ON D/P,RY&B-PH,Z-1 NO TRIPPING AT MANDOLA.
37	09.07.13	17:43	220KV WAZIRABAD - MANDOLA CKT-II	09.07.13	20:38	AT WZB CKT TRIPPED ON D/P,RY&B-PH,Z-1 NO TRIPPING AT MANDOLA.
38	09.07.13	17:43	WAZIRABAD 220/66kv 100MVA Tx-III	09.07.13	18:20	66KV I/C-3 TRIPPED ON E/F,O/C.
39	09.07.13	17:43	WAZIRABAD 220/66kv 100MVA Tx-I	09.07.13	18:19	66KV I/C-1 TRIPPED ON E/F,O/C.
40	09.07.13	17:43	WAZIRABAD 220/66kv 100MVA Tx-II	09.07.13	22:05	TX TRIPPED ON PRV, BUCHHOLZ INDICATION.
41	09.07.13	19:05	PARKSTREET 220/33kv 100MVA Tx-II	09.07.13	21:26	TX TRIPPED ON 51A(O/C) AND 33KV I/C-2 TRIPPED ON 51A(O/C)
42	09.07.13	19:05	PARKSTREET 220/33kv 100MVA Tx-I	09.07.13	20:05	TX TRIPPED ON 86 AND 33KV I/C-1 TRIPPED ON 51A(O/C).
43	09.07.13	20:15	MUNDKA 220/66kv 160MVA Tx-II	10.07.13	6:50	TX TRIPPED ON 186,PRV RELAY.
44	10.07.13	4:45	SARITA VIHAR 66kv 20MVAR CAP. BANK	11.07.13	11:48	CAP. BANK TRIPPED ON E/F.
45	10.07.13	7:38	DSIIDC Bawana 220/66kv 100MVA Tx-III	10.07.13	8:23	TX TRIPPED ON DIFFERENTIAL PROTECTION. BIRDAGE REPORTED IN YARD.
46	10.07.13	9:28	MEHRAULI 66/11kv, 20MVA Tx-I	10.07.13	11:40	TX TRIPPED ON 30D (OIL TEMP. TRIP)
47	10.07.13	11:26	220KV WAZIRABAD - MANDOLA CKT-III	10.07.13	11:43	AT WZB CKT TRIPPED ON 86. NO TRIPPING AT 400KV MANDOLA.
48	11.07.13	0:00	220kv DSIIDC BAWANA-NARELA CKT-I	11.07.13	0:00	AT DSIDC BWN CKT TRIPPED ON D/P,A,B&C-PH,Z-2. NO TRIPPING AT 220KV NRL.
49	11.07.13	9:25	220KV WAZIRABAD - MANDOLA CKT-IV	11.07.13	22:30	AT WZB CKT TRIPPED ON D/P,Z-1,R-PH AT MDL CKT TRIPPED ON D/P,R&B-N PHASE,DIST.-11.44KM JUMPER SNAPPED NEAR CRPF CAMP.
50	11.07.13	10:01	GOPALPUR 220/66kv 100MVA Tx-I	11.07.13	10:14	66KV I/C-1 TRIPPED ON E/F,86.
51	11.07.13	13:42	220kv DSIIDC BAWANA-NARELA CKT-II	11.07.13	14:17	AT DSIDC BWN CKT TRIPPED ON D/P,A,B&C-PH,Z-2. NO TRIPPING AT 220KV NRL.
52	11.07.13	13:42	220kv BAWANA-DSIIDC BAWANA CKT-II	11.07.13	14:17	AT DSIDC BWN CKT TRIPPED ON 86. NO TRIPPING AT 400KV BWN.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
53	11.07.13	13:42	220kV BAWANA-DSIIDC BAWANA CKT-I	11.07.13	19:55	AT BWN CKT TRIPPED ON D/P,Z-2,86,A/R,DIST-2.9KM AT DSIDC BWN CKT TRIPPED WITHOUT INDICATION. JUMPER OF B-PH LINE ISOLATOR SNAPPED AT DSIDC BWN.
54	11.07.13	23:01	220kV BAMNAULI-PAPPANKALAN-I CKT-II	12.07.13	9:57	AT BAMNAULI CKT TRIPPED ON 67N(E/F),186 A&B. NO TRIPPING AT PPK-1. R-PH JUMPER SNAPPED AT TOWER NO-21.
55	11.07.13	23:01	220kV BAMNAULI-PAPPANKALAN-I CKT-I	11.07.13	1:18	AT PPK-1 CKT TRIPPED ON O/C. NO TRIPPING AT 400KV BAMNAULI.
56	13.07.13	3:30	GEETA COLONY 220/33kV 100MVA Tx-I	13.07.13	3:43	33KV I/C-1 TRIPPED ON CB AUTO TRIP.
57	13.07.13	10:45	GEETA COLONY 220/33kV 100MVA Tx-I	13.07.13	10:47	33KV I/C-1 TRIPPED ON CB AUTO TRIP.
58	13.07.13	10:50	220kV MEHRAULI - VASANT KUNJ CKT.- II	13.07.13	11:14	AT MEHRAULI CKT TRIPPED ON 186 A&B AND 96. NO TRIPPING AT VASANTKUNJ.
59	13.07.13	10:50	220kV MEHRAULI - VASANT KUNJ CKT.-I	13.07.13	11:14	AT MEHRAULI CKT TRIPPED ON 186 A&B AND 96. NO TRIPPING AT VASANTKUNJ.
60	15.07.13	8:15	GEETA COLONY 220/33kV 100MVA Tx-II	15.07.13	9:35	33KV I/C-2 TRIPPED ON AUTO TRIP.
61	15.07.13	15:00	GEETA COLONY 220/33kV 100MVA Tx-I	15.07.13	19:16	33KV I/C-1 TRIPPED ON 30, AUTO TRIP.
62	15.07.13	22:28	PATPARGANJ 220/66kV 100MVA Tx-I	15.07.13	22:30	66KV I/C-1 TRIPPED ON OVER CURRENT.
63	16.07.13	11:44	NAJAFGARH 220/66kV 100MVA Tx-II	16.07.13	18:50	TX TRIPPED ON 86,30E(SPR).
64	17.07.13	2:20	OKHLA 220/33kV 100MVA Tx-IV	17.07.13	2:38	33KV I/C-4 TRIPPED ON E/F,86.
65	17.07.13	2:20	OKHLA 220/33kV 100MVA Tx-III	17.07.13	2:38	33KV I/C-3 TRIPPED ON E/F,86
66	17.07.13	2:20	OKHLA 33kV ALAKNANDA CKT-I	17.07.13	9:36	CKT TRIPPED ON O/C,B-PH,186,D/P,Z-2. CKT Y-PH BUS ISOLATOR JUMPER SNAPPED.
67	17.07.13	2:20	OKHLA 220/33kV 50MVA Tx-I	17.07.13	7:15	33KV TRIPPED ON E/F,86.
68	17.07.13	2:25	MASJID MOTH 33kV ALAKANANDA	17.07.13	18:50	CKT TRIPPED ON O/C,E/F AND D/P. BUS ISOLATOR DROPPER OF ALL PHASE SNAPPED.
69	17.07.13	2:25	MASJID MOTH 220/33kV 100MVA Tx-I	17.07.13	2:40	33KV I/C-1 TRIPPED ON O/C,E/F.
70	17.07.13	2:25	MASJID MOTH 220/33kV 100MVA Tx-II	17.07.13	2:40	33KV I/C-2 TRIPPED ON O/C,E/F.
71	17.07.13	20:52	220KVBAWANA- ROHINI CKT-I	17.07.13	20:57	AT BAWANA CKT TRIPPED ON 186 A&B-PH. NO TRIPPING AT ROHINI S/STN.
72	18.07.13	9:14	220KVBAWANA- ROHINI CKT-I	18.07.13	18:59	AT BAWANA CKT TRIPPED ON 186 A&B. NO TRIPPING AT ROHINI.
73	18.07.13	19:24	220KVBAWANA- ROHINI CKT-I	18.07.13	19:30	AT BAWANA CKT TRIPPED ON 186 A&B,A/R. NO TRIPPING AT ROHINI.
74	18.07.13	20:36	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	18.07.13	21:17	AT RIDGE VALLEY CKT TRIPPED ON DIFFERENTIAL,86 A&B. NO TRIPPING AT TRAUMA CENTRE.
75	18.07.13	20:35	LODHI RD 33/11kV, 16MVA Tx-iv	18.07.13	21:50	TX TRIPPED ON OLTDC BUCHHOLZ,86.
76	18.07.13	22:42	PATPARGANJ 220/66kV 100MVA Tx-I	18.07.13	22:51	66KV I/C-1 TRIPPED ON O/C ALONG WITH 66KV BUS COUPLER WHICH ALSO TRIPPED ON O/C.
77	18.07.13	22:59	PATPARGANJ 220/66kV 100MVA Tx-I	18.07.13	23:10	66KV I/C-1 TRIPPED ON O/C ALONG WITH 66KV BUS COUPLER WHICH ALSO TRIPPED ON O/C.
78	18.07.13	23:25	PATPARGANJ 220/66kV 100MVA Tx-I	18.07.13	23:32	66KV I/C-1 TRIPPED ON O/C ALONG WITH 66KV BUS COUPLER WHICH ALSO TRIPPED ON O/C.
79	19.07.13	11:40	220kV MAHARANI BAGH - SARITA VIHAR CKT	19.07.13	14:34	AT MAHARANIBAGH CKT TRIPPED ON DIST. PROTECTION, DIST-11 KM. NO TRIPPING AT SARITA VIHAR.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
80	19.07.13	11:40	220kV PRAGATI - SARITA VIHAR CKT	19.07.13	14:58	AT SARITA VIHAR CKT TRIPPED ON D/P,AB&C-PH,DIST-3.064 KM,SOTF. CKT WAS IN OFF POSITION AT PRAGATI.
81	19.07.13	14:08	220kV SARITA VIHAR - BTPS CKT.-I	19.07.13	17:44	AT SARITA VIHAR CKT TRIPPED ON D/P,B-PH,186 A&B. AT BTPS CKT TRIPPED ON D/P,Z-1,B-PH,DIST-0.5 KM & E/F. LATER IT WAS INFORMED BY BTPS THAT TREE IS TOUCHING THE CKT NEAR BTPS.
82	20.07.13	9:02	NAJAFGARH 220/66kV 100MVA Tx-IV	20.07.13	19:13	TX TRIPPED ON SPR & 86. WATER FOUND IN SPR RELAY.
83	20.07.13	14:05	SHALIMAR BAGH 220/33kV 100MVA Tx-II	20.07.13	15:42	TX TRIPPED ON 30D,OLTC BUCHHOLZ RELAY.
84	20.07.13	14:40	PATPARGANJ 33/11kV, 16MVA Tx	20.07.13	16:30	TX TRIPPED ON PRV.
85	20.07.13	14:47	LODHI RD 220/33kV 100MVA Tx-I	20.07.13	16:48	TX TRIPPED ON 30D,OLTC BUCHHOLZ RELAY,86 B&C,A/R,186.
86	20.07.13	17:30	PATPARGANJ 220/33kV 100MVA Tx-I	29.07.13	17:30	TX TRIPPED ON BUCHHOLZ,87 AND 86. 33KV I/C-1 TRIPPED WITHOUT INDICATION. 33KV I/C BUSHING DAMAGED.
87	20.07.13	22:06	GEETA COLONY 220/33kV 100MVA Tx-I	20.07.13	9:15	33KV I/C-1 TRIPPED ON 30E(AUTO TRIP).
88	21.07.13	6:42	220kV PRAGATI - SARITA VIHAR CKT	21.07.13	11:53	AT SARITA VIHAR CKT TRIPPED ON D/P,DIST-9.7 KM,E/F. CKT WAS OFF AT PRAGATI END.
89	21.07.13	6:42	220kV MAHARANI BAGH - SARITA VIHAR CKT	21.07.13	11:52	AT MAHARANI BAGH CKT TRIPPED A/R,86A&B,SOTF. NO TRIPPING AT SARITA VIHAR.
90	21.07.13	22:15	220KVBAWANA- ROHINI CKT-I	21.07.13	22:22	AT BAWANA CKT TRIPPED ON 186 A&B. NO TRIPPING AT ROHINI.
91	22.07.13	8:10	SHALIMAR BAGH 33/11kV, 16MVA Tx-I	22.07.13	12:12	TX TRIPPED ON 30E,86
92	22.07.13	9:45	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	22.07.13	12:38	TX TRIPPED ON E/F.
93	22.07.13	9:45	220kV PRAGATI - I.P.CKT - I	22.07.13	13:02	AT PRAGATI CKT TRIPPED ON D/P,Z-2,AB&C-PH,DIST-1.668 KM. NO TRIPPING AT IP.
94	22.07.13	9:45	220kV PRAGATI - SARITA VIHAR CKT	22.07.13	11:24	AT SARITA VIHAR CKT TRIPPED ON E/F,BACK UP PROTECTION, AUTO RECLOSE. NO TRIPPING AT PRAGATI.
95	22.07.13	9:45	220 KV PATPARGANJ - I.P. CKT-I	22.07.13	12:35	AT PPG CKT TRIPPED ON E/F,186. AT IP CKT TRIPPED ON DIRECTIONAL E/F.
96	22.07.13	10:05	220 KV I.P.- RPH CKT-I	22.07.13	23:05	AT IP CONDUCTOR OF B-PH WAVE TRAP BROKEN.
97	22.07.13	10:39	PRAGATI 220/66kV 160MVA Tx-II	22.07.13	11:42	TX TRIPPED ON DIFFERENTIAL,86.
98	22.07.13	10:42	220 KV PATPARGANJ - I.P. CKT-II	22.07.13	10:45	AT PPG CKT TRIPPED ON D/P,Z-2,DIST-4.604 KM. NO TRIPPING AT IP
99	22.07.13	10:42	220kV PRAGATI - I.P.CKT - II	22.07.13	15:12	AT PRAGATI CKT TRIPPED ON D/P,Z-2,DIST-311M. NO TRIPPING AT IP
100	23.07.13	15:02	220kV MEHRAULI - BTPS CKT. - I	23.07.13	20:10	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,C-PH,DIST-14.8 KM AT BTPS CKT TRIPPED ON B-PH,E/F,D/P,Z-1
101	24.07.13	9:56	DSIIDC Bawana 220/66kV 100MVA Tx-III	24.07.13	11:02	TX TRIPPED ON E/F,86.
102	24.07.13	9:56	220kV BAWANA-DSIIDC BAWANA CKT-I	24.07.13	10:32	AT DSIDC CKT TRIPPED ON 21,MAIN-1,MAIN-2,D/P,A-PH,86. AT BAWANA CKT TRIPPED ON D/P,DIST-1.3 KM,21X,
103	26.07.13	7:40	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	26.07.13	8:15	33KV I/C-2 TRIPPED ON O/C,Y-PH.
104	26.07.13	7:40	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	26.07.13	8:15	33KV I/C-1 TRIPPED ON 86.
105	27.07.13	15:15	OKHLA 220/33kV 100MVA Tx-III	27.07.13	15:40	33KV I/C-3 TRIPPED ON O/C.
106	27.07.13	15:15	OKHLA 220/33kV 100MVA Tx-IV	27.07.13	19:30	33KV I/C-4 TRIPPED ON O/C.
107	27.07.13	15:15	220kV OKHLA - BTPS CKT. - II	27.07.13	16:38	AT BTPS CKT TRIPPED ON D/P,Y&B-PH,Z-1,DIST-5.3 KM. NO TRIPPING AT OKHLA.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
108	28.07.13	11:19	DSIIDC Bawana 220/66kV 100MVA Tx-III	28.07.13	12:40	TX TRIPPED ON O/C,E/F,86.
109	28.07.13	11:19	220kV BAWANA-DSIIDC BAWANA CKT-I	28.07.13	11:58	AT DSIDC GRID CKT TRIPPED ON D/P,A-PH,86. AT BAWANA CKT TRIPPED ON D/P,Z-1,DIST-1.24KM
110	28.07.13	12:51	220kV DSIIDC BAWANA-NARELA CKT-I	28.07.13	20:40	B-PH BUS-1 ISOLATOR JUMPER AND CLAMP SNAPPED AT NARELA YARD.
111	28.07.13	23:02	PATPARGANJ 220/66kV 100MVA Tx-I	28.07.13	23:10	66KV I/C-1 TRIPPED ON O/C,86.
112	28.07.13	23:22	PATPARGANJ 220/66kV 100MVA Tx-I	28.07.13	23:30	66KV I/C-1 TRIPPED ON O/C,86 AND 66KV BUS COUPLER ALSO TRIPPED ON O/C,86.
113	28.07.13	23:35	PATPARGANJ 220/66kV 100MVA Tx-I	28.07.13	23:40	66KV I/C-1 TRIPPED ON O/C,86 AND 66KV BUS COUPLER ALSO TRIPPED ON O/C,86.
114	29.07.13	0:56	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	29.07.13	1:12	AT RIDGE VALLEY CKT TRIPPED ON DIFFERENTIAL,GENERAL TRIP,86 A&B. NO TRIPPING AT TRAUMA CENTER.
115	29.07.13	0:56	220kV BAMNAULI-PAPPANKALAN-I CKT-II	29.07.13	13:51	AT BAMNAULI CKT TRIPPED ON D/P,A-PH,Z-2,186 A&B. AT PPK-1 CKT TRIPPED ON D/P,A-PH,186. R-PH CVT OF CKT DAMAGED.
116	29.07.13	0:56	220kV BAMNAULI-PAPPANKALAN-I CKT-I	29.07.13	0:18	AT PPK-1 CKT TRIPPED ON 186. NO TRIPPING AT BAMNAULI.
117	31.07.13	9:55	PRAGATI 220/66kV 160MVA Tx-II	31.07.13	10:31	AT TX TRIPPED ON OIL TEMP. HIGH,86. 66KV I/C-2 TRIPPED WITHOUT INDICATION.
118	31.07.13	10:47	PRAGATI 220/66kV 160MVA Tx-II	31.07.13	11:15	TX TRIPPED ON OLTC BUCHHOLZ, OIL TEMP. HIGH AND WINDING TEMP. HIGH, 86.
119	31.07.13	10:47	PRAGATI 220/66kV 160MVA Tx-I	31.07.13	19:07	TX TRIPPED ON OLTC BUCHHOLZ,86. FLASH REPORTED AT 66KV I/C-1 ISOLATOR AT GT END.

19.5 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH AUGUST – 2013

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.08.13	14:43	220KVBAWANA- ROHINI CKT-I	01.08.13	15:10	CKT TRIPPED ON 86-A&B AT BAWANA. NO TRIPPING AT ROHINI.
2	01.08.13	15:42	MASJID MOTH 33 KV SIRIFORT	03.08.13	14:20	CKT TRIPPED ON D/P,C-PH,Z-1. Y-PH CB DAMAGED AT MASJID MOTH.
3	01.08.13	15:42	MASJID MOTH 220/33kV 100MVA Tx-II	01.08.13	16:15	33KV I/C-1 TRIPPED ON O/C AND E/F.
4	01.08.13	15:42	MASJID MOTH 220/33kV 100MVA Tx-I	01.08.13	16:15	33KV I/C-1 TRIPPED ON O/C AND E/F.
5	01.08.13	19:32	220kV BAWANA-DSIIDC BAWANA CKT-I	01.08.13	18:00	AT DSIDC BAWANA CKT TRIPPED ON D/P,AB&C-PH. AT BAWANA CKT TRIPPED ON D/P,Z-1,DIST-0.78 KM. CKT LINE ISOLATOR MALE & FEMALE CONTACT BURNT. Y-PH JUMPER SNAPPED AT TOWER NO-218.
6	02.08.13	1:45	KANJHAWALA 66/11kV, 20MVA Tx-I	02.08.13	19:40	TX TRIPPED ON DIFFERENTIAL ALONG WITH 11KV I/C-1.
7	02.08.13	3:54	220KVBAWANA- ROHINI CKT-I	02.08.13	4:00	AT BAWANA CKT TRIPPED ON D/P, A&B-PH, 186. NO TRIPPING AT ROHINI.
8	02.08.13	4:27	220KVBAWANA- ROHINI CKT-I	02.08.13	4:38	AT BAWANA CKT TRIPPED ON 186. NO TRIPPING AT ROHINI.
9	02.08.13	5:15	220KVBAWANA- ROHINI CKT-I	02.08.13	16:02	CKT TRIPPED ON 186. NO TRIPPING AT ROHINI. PROBLEM IN 186 RELAY.
10	02.08.13	5:38	400kV Mandola-Bawana Ckt-II	02.08.13	22:58	AT BAWANA CKT TRIPPED ON CB AUTO TRIP, B-PH OVER VOLTAGE(59B), AUXILIARY CARRIER RELAY 30 CHANNEL-1&2 186 A&B. AT MANDOLA CKT TRIPPED ON 85LO, 86 A&B.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
11	02.08.13	9:25	220kV OKHLA - BTPS CKT.- I	02.08.13	10:07	AT BTPS CKT TRIPPED ON D/P, B&Y-PH, DIST-1 KM. NO TRIPPING AT OKHLA.
12	02.08.13	17:11	220KV WAZIRABAD - MANDOLA CKT-III	02.08.13	20:18	AT WAZIRABAD CKT TRIPPED ON D/P, Z-1, AY&B-PH. AT MANDOLA CKT TRIPPED ON D/P, Z-1, DIST- 12.92 KM.
13	03.08.13	2:20	RIDGE VALLEY 220/66kV 160MVA Tx-I	03.08.13	2:52	TX TRIPPED ON E/F, 86 A&B. 66KV I/C-1 TRIPPED ON 86B.
14	03.08.13	2:20	220kV BAMNAULI-NARAINA CKT-II	03.08.13	2:51	AT BAMNAULI CKT TRIPPED ON D/P, B-PH,CB POLE DISCREPANCY 47 TX, 186 A&B. AT NARAINA CKT TRIPPED ON D/P, 210C, DIRECT V T FAIL , AB&C-PH, 186 A&B.
15	03.08.13	2:20	220kV NARAINA-RIDGE VALLEY CKT-I	03.08.13	2:51	AT NARAINA CKT TRIPPED ON TEF TRIP, COMM. FAIL, A/R, 3-PH TRIP, 186. AT RIDGE VALLEY CKT TRIPPED ON E/F, 86 A&B.
16	03.08.13	10:56	WAZIRABAD 66/11kV, 20MVA Tx-IV	03.08.13	13:13	TX TRIPPED ON LBB,96.
17	03.08.13	10:56	WAZIRABAD 66/11kV, 20MVA Tx-III	03.08.13	13:17	TX TRIPPED ON LBB.
18	03.08.13	10:56	WAZIRABAD 220/66kV 100MVA Tx-I	03.08.13	13:07	TX TRIPPED ON LBB,96.
19	03.08.13	10:56	WAZIRABAD 220/66kV 100MVA Tx-II	03.08.13	14:07	TX TRIPPED ON LBB,96.
20	03.08.13	10:56	WAZIRABAD 220/66kV 100MVA Tx-III	03.08.13	13:07	TX TRIPPED ON LBB,96.
21	03.08.13	10:56	220kV WAZIRABAD-GEETA COLONY CKT-I	03.08.13	13:25	AT WZB CKT TRIPPED ON LBB & 96. NO TRIPPING AT GEETA COLONY.
22	03.08.13	10:56	220kV WAZIRABAD-GEETA COLONY CKT-II	03.08.13	13:25	AT WZB CKT TRIPPED ON LBB & 96. NO TRIPPING AT GEETA COLONY.
23	03.08.13	10:56	220kV WAZIRABAD - MANDOLA CKT-II	03.08.13	12:20	AT WZB CKT TRIPPED ON LBB & 96. NO TRIPPING AT MANDOLA.
24	03.08.13	10:56	220kV WAZIRABAD - MANDOLA CKT-I	03.08.13	12:20	AT WZB CKT TRIPPED ON LBB & 96. NO TRIPPING AT MANDOLA.
25	03.08.13	10:56	220kV WAZIRABAD - KASHMEREGATE CKT-I	03.08.13	13:25	AT WZB CKT TRIPPED ON LBB & 96. NO TRIPPING AT KASHMERE GATE.
26	03.08.13	10:56	220kV WAZIRABAD - KASHMEREGATE CKT-II	03.08.13	13:28	AT WZB CKT TRIPPED ON LBB & 96. NO TRIPPING AT KASHMERE GATE.
27	03.08.13	10:56	220kV WAZIRABAD - MANDOLA CKT-IV	03.08.13	13:39	AT WZB CKT TRIPPED ON LBB & 96. NO TRIPPING AT MANDOLA.
28	03.08.13	14:12	NARAINA 220/33kV 100MVA Tx-II	03.08.13	14:14	WHILE NORMALIZING 33KV KHAIBER LANE CKT-2, 33KV I/C-2 TRIPPED ON O/C.
29	04.08.13	1:46	BAWANA 400/220kV 315MVA ICT-I	04.08.13	3:58	220KV I/C-1 TRIPPED ON CB AUTO TRIP.
30	04.08.13	14:35	220kV GOPALPUR-SUBZI MANDI CKT-I	04.08.13	15:10	AT GOPALPUR CKT TRIPPED ON D/P,Z-1,DIST- 2.3 KM. NO TRIPPING AT SUBZIMANDI.
31	04.08.13	16:09	220kV GEETA COLONY-PATPARGANJ CKT-I	04.08.13	16:22	AT GEETA COLONY CKT TRIPPED ON D/P,Z- 1,DIST-1.884 KM. AT PPG CKT TRIPPED ON D/P,Z-1,186,DIST-3.1 KM.
32	04.08.13	16:09	GEETA COLONY 220/33kV 100MVA Tx-II	04.08.13	16:23	33KV I/C-2 TRIPPED ON 30CB AUTO TRIP, 86.
33	04.08.13	19:55	LODHI RD 33/11kV, 20MVA Tx-I	04.08.13	19:58	TX TRIPPED ON O/C, 86 ALONG WITH 11KV DEFENSE COLONY FEEDER.
34	04.08.13	13:01	220kV OKHLA - BTPS CKT. - II	04.08.13	17:43	AT MEHRAULI CKT TRIPPED ON D/P, AB&C-PH, 186, DIST-13.3 KM. AT BTPS CKT TRIPPED ON R-PH, E/F.
35	05.08.13	10:20	220kV OKHLA - BTPS CKT. - II	05.08.13	12:32	AT BTPS CKT TRIPPED ON B-PH, E/F. NO TRIPPING AT OKHLA.
36	06.08.13	9:05	GAZIPUR 220/66kV 100MVA Tx-II	06.08.13	9:45	TX TRIPPED ON RST, RXG. 66KV I/C-2 TRIPPED ON REF, DIFFERENTIAL PROTECTION.
37	06.08.13	16:53	220kV SARITA VIHAR - BTPS CKT.-I	06.08.13	20:54	AT SARITA VIHAR CKT TRIPPED ON D/P,Z-2,B-PH,186 A&B. AT BTPS CKT TRIPPED ON D/P,Z- 1,DIST-01 KM.
38	07.08.13	4:03	PARKSTREET 33kV BAIRD ROAD CKT-II	07.08.13	7:30	WHILE NORMALIZING SHUTDOWN, THE POST INSULATOR OF BUS-1 ISOLATOR OF ALL PHASES DAMAGED AND 33KV I/C-1&2 TRIPPED ON O/C.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
39	07.08.13	4:03	PARKSTREET 220/33kv 100MVA Tx-I	07.08.13	4:40	33KV I/C-1 TRIPPED ON O/C.
40	07.08.13	4:03	PARKSTREET 220/33kv 100MVA Tx-II	07.08.13	4:40	33KV I/C-2 TRIPPED ON O/C.
41	07.08.13	7:10	SUBZI MANDI 33/11kv, 16MVA Tx-I	07.08.13	9:30	TX TRIPPED ON DIFFERENTIAL RY&B-PHASE.
42	07.08.13	10:09	KASHMIRI GATE 220/33kv 100MVA Tx-I	07.08.13	10:10	33KV I/C-1 TRIPPED ON O/C,E/F.
43	07.08.13	14:25	ELECTRIC LANE 220/33kv 100MVA Tx-I	14.08.13	14:08	TAP CHANGER DIAPHRAGM DAMAGED.
44	07.08.13	21:25	220KVBAWANA- ROHINI CKT-I	07.08.13	22:03	AT BAWANA CKT TRIPPED ON 186 A&B. NO TRIPPING AT ROHINI.
45	09.08.13	7:55	SHALIMAR BAGH 33/11kv, 16MVA Tx-I	09.08.13	12:50	TX TRIPPED ON DIFFERENTIAL.
46	09.08.13	9:56	220KVBAWANA- ROHINI CKT-I	09.08.13	10:09	AT BAWANA CKT TRIPPED ON 186. NO TRIPPING AT ROHINI
47	09.08.13	10:31	220KVBAWANA- ROHINI CKT-I	09.08.13	17:55	AT BAWANA CKT TRIPPED ON 186. NO TRIPPING AT ROHINI.
48	11.08.13	8:57	220kv GEETA COLONY- PATPARGANJ CKT-I	11.08.13	9:09	AT GEETA COLONY CKT TRIPPED ON D/P,Z-1,DIST-0.831 KM AT PPG CKT TRIPPED ON O/C, AB&C-PH, 186
49	11.08.13	12:36	220KVBAWANA- ROHINI CKT-I	11.08.13	12:44	AT BAWANA CKT TRIPPED ON 186A&B. NO TRIPPING AT ROHINI.
50	12.08.13	6:36	400kv Bamnauli-Jhatikara Ckt-II	12.08.13	7:32	AT BAMNAULI CKT TRIPPED ON 186A&B.
51	12.08.13	18:26	400kv Mandola-Bawana Ckt-II	12.08.13	18:46	AT MDL CKT TRIPPED ON POLE DISCREPANCY, D/P, Z-1,R-PH AT BWN CKT TRIPPED ON D/P, Z-1, A-N PHASE.
52	13.08.13	11:40	NARAINA 220/33kv 100MVA Tx-II	13.08.13	11:41	33KV I/C-2 TRIPPED ON O/C.
53	13.08.13	12:26	220kv PRAGATI - I.P.CKT - II	13.08.13	20:12	AT PRAGATI CKT TRIPPED D/P, Z-1, AB&C-PH. NO TRIPPING AT IP. R-PH JUMPER BROKEN NEAR WAVE TRAP AND TOP PHASE JUMPER BROKEN AT TOWER NO-8.
54	14.08.13	12:12	220KVBAWANA- ROHINI CKT-II	14.08.13	12:45	AT BWN CKT TRIPPED ON D/P, A-PH, Z-2. NO TRIPPING AT ROHINI.
55	15.08.13	10:10	220kv GEETA COLONY- PATPARGANJ CKT-I	15.08.13	10:18	AT GEETA COLONY CKT TRIPPED ON D/P, Z-1, DIST-2.741KM NO TRIPPING AT PATPARGANJ.
56	15.08.13	10:29	220kv MAHARANI BAGH - SARITA VIHAR CKT	15.08.13	10:43	AT SARITA VIHAR CKT TRIPPED ON D/P, AB&C-PH, Z-1, DIST-1.037 KM. AT MAHARANIBAGH CKT TRIPPED ON D/P, Z-2, DIST-8.5 KM.
57	15.08.13	13:22	DSIIDC Bawana 220/66kv 100MVA Tx-II	15.08.13	14:07	TX TRIPPED ON 86. 66KV I/C TRIPPED ON 96.
58	15.08.13	13:22	DSIIDC Bawana 220/66kv 100MVA Tx-III	15.08.13	14:07	TX TRIPPED ON 86. 66KV I/C-3 TRIPPED ON 86, 96, E/F.
59	15.08.13	19:05	GAZIPUR 66/11kv, 20MVA Tx-I	15.08.13	19:37	TX TRIPPED ON DIFFERENTIAL, E/F. 11KV I/C-1 TRIPPED ON 86.
60	16.08.13	0:54	LODHI RD 220/33kv 100MVA Tx-I	16.08.13	1:50	TX TRIPPED ON 86B, 186X, AUTO RE-CLOSE. 33KV I/C-1 TRIPPED ON INTER TRIPPING.
61	16.08.13	0:54	LODHI RD 220/33kv 100MVA Tx-II	16.08.13	13:03	TX TRIPPED ON O/C, C-PH, 87T, 67A, AUTO RE-CLOSE. 33KV I/C-1 TRIPPED ON INTER TRIPPING.
62	17.08.13	7:01	PAPPANKALAN-II 220/66kv 100MVA Tx-II	17.08.13	11:15	TX TRIPPED ON LBB PROTECTION, SPR, 86.
63	17.08.13	19:50	SARITA VIHAR 66/11kv, 20MVA Tx-II	17.08.13	22:40	BUCHHOLZ ALARM APPEARED ON TX.
64	18.08.13	7:26	220KV BAWANA - NAJAFGARH CKT	18.08.13	7:40	AT NAJAFGARH CKT TRIPPED ON 86. NO TRIPPING AT BAWANA.
65	18.08.13	7:26	220kv KANJHAWALA- NAJAFGARH CKT	18.08.13	7:40	AT NAJAFGARH CKT TRIPPED ON 86. NO TRIPPING AT BAWANA.
66	18.08.13	11:35	220kv GOPALPUR- MANDOLACKT-II	18.08.13	12:59	AT MDL CKT TRIPPED ON D/P, AUTO TRIP. NO TRIPPING AT GOPALPUR.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
67	18.08.13	13:12	220kV DIAL- MEHRAULI CKT-I	18.08.13	18:52	AT MEHRAULI CKT TRIPPED ON D/P, Z-1. AT DIAL CKT TRIPPED ON REC, GR, GE, TR, TFR, B-MAIN, RED, REL, B-PH TRIP, MAIN-2 PROT. TRIP, RED COMMUNICATION FAIL.
68	18.08.13	13:12	220kV DIAL- MEHRAULI CKT-II	18.08.13	18:48	AT MEHRAULI CKT TRIPPED ON D/P, Z-1, DIST-8.4 KM AT DIAL CKT TRIPPED ON DEL B-PH, REL MAIN-2, ZONE-1, REL FUSE FAIL, REL GND, GND. B-PH LINE ISOLATOR CLAMP MELTED AT MEHRAULI.
69	18.08.13	18:29	PATPARGANJ 220/33kV 100MVA Tx-III	19.08.13	11:30	33KV I/C-3 OF TX TRIPPED ON E/F.
70	18.08.13	18:29	PATPARGANJ 220/33kV 100MVA Tx-IV	18.08.13	19:01	TX TRIPPED ON 80, DC-1, 80 DC-2, 51NX, E/F, 86B. 33KV I/C-4 TRIPPED ON 86.
71	20.08.13	20:25	TRAUMA CENTER 220/33kV 100MVA Tx-II	21.08.13	0:04	OIL SURGE RELAY APPEARED ON TX SO TR MADE MADE OFF.
72	21.08.13	13:07	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	21.08.13	13:33	TX TRIPPED ALONG WITH 66KV BUDELA CKT-1 ON O/C, E/F, 86. 66KV I/C-4 TRIPPED ON INTER-TRIPPING. Y-PH CABLE EARTH LINK 66KV BUDELA CKT-1 FOUND DAMAGED.
73	21.08.13	17:13	400kV Mundka-Jhatikara Ckt-I	21.08.13	17:44	AT MUNDKA CKT TRIPPED ON DIRECT TRIP, CHANNEL-1 & 2. AT JATTIKARA CKT MADE OFF AS SPARKING REPORTED FROM LINE ISOLATOR.
74	21.08.13	19:18	PATPARGANJ 220/33kV 100MVA Tx-I	21.08.13	19:48	33KV I/C-1 TRIPPED ON O/C, R-PH. KITE THREAD FOUND IN YARD.
75	21.08.13	19:18	PATPARGANJ 220/33kV 100MVA Tx-IV	21.08.13	20:05	TX TRIPPED ON 64 RLV, 86. 33KV I/C-1 TRIPPED ON 86. KITE THREAD FOUND IN YARD.
76	21.08.13	19:18	PATPARGANJ 220/33kV 100MVA Tx-III	21.08.13	19:48	33KV I/C-3 TRIPPED ON O/C, E/F. KITE THREAD FOUND IN YARD.
77	22.08.13	0:35	220KVBAWANA- ROHINI CKT-I	22.08.13	0:39	AT BWN CKT TRIPPED ON 186 A&B. NO TRIPPING AT ROHINI.
78	22.08.13	3:14	220KVBAWANA- ROHINI CKT-I	22.08.13	3:45	AT BWN CKT TRIPPED ON 186 A&B. NO TRIPPING AT ROHINI.
79	22.08.13	16:57	220KVBAWANA- ROHINI CKT-II	22.08.13	16:58	AT BAWANA CKT TRIPPED ON 186. NO TRIPPING AT ROHINI.
80	22.08.13	16:57	ROHINI 66kV ROHINI IV CKT-II	22.08.13	17:36	CKT TRIPPED ON VT FUSE FAILURE.
81	22.08.13	17:54	220KVBAWANA- ROHINI CKT-I	22.08.13	18:45	AT BWN CKT TRIPPED ON 186 A&B. NO TRIPPING AT ROHINI.
82	23.08.13	16:36	220KVBAWANA- ROHINI CKT-I	23.08.13	19:30	AT ROHINI CKT TRIPPED ON POLE DISCREPANCY. NO TRIPPING AT BAWANA.
83	24.08.13	16:57	ROHINI 66kV ROHINI IV CKT-I	22.08.13	17:36	CKT TRIPPED ON VT FUSE FAILURE.
84	24.08.13	12:10	BAWANA 400/220kV 315MVA ICT-V	01.09.13	20:04	ICT TRIPPED ON OIL SURGE RELAY INDICATION AT Y & B-PH, 86 A&B.
85	24.08.13	22:30	LODHI RD 33/11kV, 16MVA Tx-iV	24.08.13	23:42	TX TRIPPED ON OLTC BUCHHOLZ INDICATION, 86.
86	25.08.13	11:18	SUBZI MANDI 220/33kV 100MVA Tx-II	25.08.13	12:23	TX TRIPPED ON POLE DISCREPANCY.
87	25.08.13	14:52	GOPALPUR 33kV WAZIRABAD-II	25.08.13	21:13	CKT TRIPPED ON DISTANCE PROTECTION. Y-PH LINE ISOLATOR CLAMP TOWARD CT MELTED.
88	25.08.13	14:52	GOPALPUR 33kV WAZIRABAD-I	25.08.13	22:28	CKT TRIPPED ON O/C, R&B-PH, AUTO TRIP. R AND Y-PH COMMON CLAMP OF BUS ISOLATOR MELTED.
89	26.08.13	12:13	220kV GEETA COLONY- PATPARGANJ CKT -II	26.08.13	12:33	AT GEETA COLONY CKT TRIPPED ON D/P, Z-2, DIST-7.389 KM, 186. AT PPG CKT TRIPPED ON D/P, Z-1, DIST-1.476 KM ALL. KITE THREAD ENTANGLED B/W TOWER NO-359 AND 360 NEAR SMD OFFICE GEETA COLONY.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
90	26.08.13	12:15	220kV GEETA COLONY-PATPARGANJ CKT-I	26.08.13	12:30	AT GEETA COLONY CKT TRIPPED ON D/P, Z-1, DIST-2.905 KM ALL PHASE. AT PPG CKT TRIPPED ON D/P, Z-1, DIST-0.9124 KM ALL PHASE. BIRDAGE REPORTED B/W TOWER NO-356 AND 357.
91	26.08.13	13:16	220kV PRAGATI - SARITA VIHAR CKT	26.08.13	13:22	AT PRAGATI CKT TRIPPED ON D/P, Z-1, DIST-8.146 KM, 186 AT SARITA VIHAR CKT TRIPPED ON D/P, A/R, 186 A&B
92	28.08.13	4:30	400kV Bamnauli-Jhatikara Ckt-II	28.08.13	0:00	AT BAMNAULI CKT TRIPPED ON D/P, Z-1, B-PH, 86-A&B, LA FLASH.
93	28.08.13	17:48	NAJAFGARH 66kV W/W NANGLOI CKT	28.08.13	17:22	CKT TRIPPED WITHOUT INDICATION. Y-PH JUMPER OF CKT DAMAGED. S/D AVAILED ALONG WITH 66KV BUS-2 FOR REPAIR OF CONDUCTOR. DURING S/D PERIOD 66KV NANGLOI CKT, 66KV JAFARPUR CKT-2 AND 20MVA TX-3 WAS OFF DUE TO NON AVAILABILITY OF BUS SELECTION
94	30.08.13	3:55	OKHLA 220/33kV 100MVA Tx-III	30.08.13	4:40	TX TRIPPED ON R-PH DIFFERENTIAL, 86. 33KV I/C-3 TRIPPED ON 86.
95	30.08.13	7:28	SARITA VIHAR 66/11kV, 20MVA Tx-II	30.08.13	7:35	11KV I/C-2 TRIPPED ON E/F.
96	31.08.13	18:35	220kV PRAGATI - SARITA VIHAR CKT	31.08.13	19:00	AT PRAGATI CKT TRIPPED ON D/P, Z-1, C-PH, DIST-8.265 KM, 186. AT SARITA VIHAR CKT TRIPPED ON D/P, ABC-PH, Z-1, DIST-2.488 KM, 186 A&B.
97	31.08.13	21:14	400kV Mundka-Jhatikara Ckt-II	31.08.13	22:08	AT MUNDKA CKT TRIPPED ON CB LOCK OUT.

19.6 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH SEPTEMBER -2013

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.09.12	10:51	400KV BAWANA 6 BAHADURGARH CKT.	01.09.12	11:24	BOTH CB TRIPPED ON 2/AA, CB TROUBLE AT BAWANA.
1	01.09.13	9:56	220KV BAWANA-DSI IDC BAWANA CKT-I	01.09.13	16:51	AT BAWANA CKT MADE OFF AS SMOKE REPORTED NEAR B-PH PT OF CKT AND B-PH BUS ISOLATOR DAMAGED.
2	01.09.13	11:30	220KV BAWANA-DSI IDC BAWANA CKT-II	01.09.13	12:09	AT BAWANA CKT TRIPPED ON D/P, C-PH, Z-1. NO TRIPPING AT DS IDC BAWANA.
3	01.09.13	12:07	220KV NARELA - MANDOLA CKT-II	01.09.13	19:45	AT NARELA CKT TRIPPED ON D/P, Z-1, DIST-8.409 KM, 186. AT MANDOLA CKT TRIPPED ON D/P, Z-2, B-PH, 186 A&B.
4	02.09.13	8:34	220KV WAZIRABAD - KASHMEREGATE CKT-I	02.09.13	8:49	AT WZB CKT TRIPPED ON D/P, Z-1, B-PH. NO TRIPPING AT KASHMIRIGATE.
5	02.09.13	13:01	400KV BALLABHGARH-BAMNAULI CKT-I	02.09.13	20:13	AT BAMNAULI CKT TRIPPED ON D/P, Z-3,186 A&B, 130E. AT BALLABGARH CKT TRIPPED ON DIRECT TRIP.
6	02.09.13	20:30	PATPARGANJ 220/33KV 100MVA TX-I	02.09.13	22:23	TX TRIPPED ON 86.
7	03.09.13	13:43	220KV MAHARANI BAGH - PRAGATI CKT	03.09.13	14:02	AT MAHARANI BAGH CKT TRIPPED ON D/P, Z-1, AY&B-PH. AT PRAGATI CKT TRIPPED ON D/P, Z-1, AB&C-PH, 186.
8	03.09.13	17:56	400KV MANDOLA-BAWANA CKT-II	03.09.13	18:33	AT BAWANA CKT TRIPPED WITHOUT INDICATION. NO TRIPPING AT MANDOLA.
9	04.09.13	2:48	220KV PRAGATI - SARITA VIHAR CKT	04.09.13	3:00	AT SARITA VIHAR CKT TRIPPED ON D/P, Z-1, DIST-5.332 KM, A/R, 186A&B. AT PRAGATI CKT TRIPPED ON D/P, Z-1, DIST-4.423 KM, 186A&B.
10	04.09.13	3:44	220KV MAHARANI BAGH - SARITA VIHAR CKT	04.09.13	4:15	AT MAHARANIBAGH CKT TRIPPED ON D/P, DIST-1.9 KM. NO TRIPPING AT SARITA VIHAR.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
11	04.09.13	4:19	220KV MAHARANI BAGH - SARITA VIHAR CKT	04.09.13	8:50	AT MAHARANIBAGH CKT TRIPPED ON D/P, DIST-2 KM, E/F. NO TRIPPING AT SARITA VIHAR.
12	04.09.13	10:45	220KV WAZIRABAD-GEETA COLONY CKT-I	04.09.13	16:47	AT WZB CKT TRIPPED ON F/E. NO TRIPPING AT GEETA COLONY. R-PH JUMPER SNAPPED OUT SIDE GEETA COLONY GRID.
13	04.09.13	11:25	220KV PRAGATI - I.P.CKT - I	04.09.13	17:35	AT IP CKT TRIPPED ON O/C, B-PH, DIRECTIONAL E/F, 86. B-PH LINE ISOLATOR DAMAGED AT IP END
14	04.09.13	11:25	INDRAPRASTHA POWER 220/33KV 100MVA TX-II	04.09.13	12:15	33KV I/C-2 TRIPPED ON B-PH, O/C.
15	04.09.13	11:25	INDRAPRASTHA POWER 220/33KV 100MVA TX-III	04.09.13	12:25	TX TRIPPED ON E/F, 86, BACK UP PROTECTION.
16	04.09.13	19:00	220KV GOPALPUR-MANDOLACKT-I	04.09.13	19:38	SPS OPERATED AT MANDOLA.
17	05.09.13	5:10	OKHLA 220/33KV 50MVA TX-I	05.09.13	6:35	TX TRIPPED ON 84 RLV, 95C, 87 DIFFERENTIAL PROTECTION, 86. 33KV I/C-1 TRIPPED ON 95, 86.
18	05.09.13	20:51	220KV MAHARANI BAGH - LODHI ROAD CKT-I	06.09.13	10:25	AT MAHARANI BAGH CKT TRIPPED ON D/P, DIST-2.3 KM. NO TRIPPING AT LODHI ROAD. R-PH JUMPER SNAPPED BETWEEN TOWER NO-10 & 11.
19	06.09.13	10:40	INDRAPRASTHA POWER 33KV KILOKRI CKT (BAY-25)	06.09.13	11:30	33KV BAY NO-12 & 36 OF TIE CB BETWEEN 33KV EAST AND WEST BUS TRIPPED ON O/C, B-PH RESULTED IN SUPPLY FAILURE OF 33KV BUS.
20	06.09.13	10:40	INDRAPRASTHA POWER 33KV IG STADIUM CKT-I (BAY-29)	06.09.13	11:15	33KV BAY NO-12 & 36 OF TIE CB BETWEEN 33KV EAST AND WEST BUS TRIPPED ON O/C, B-PH RESULTED IN SUPPLY FAILURE OF 33KV BUS.
21	06.09.13	10:40	INDRAPRASTHA POWER 33KV IG STADIUM CKT-II (BAY-33)	06.09.13	11:15	33KV BAY NO-12 & 36 OF TIE CB BETWEEN 33KV EAST AND WEST BUS TRIPPED ON O/C, B-PH RESULTED IN SUPPLY FAILURE OF 33KV BUS.
22	06.09.13	10:40	INDRAPRASTHA POWER 33KV NIZAMUDDIN CKT (BAY-13)	06.09.13	11:30	33KV BAY NO-12 & 36 OF TIE CB BETWEEN 33KV EAST AND WEST BUS TRIPPED ON O/C, B-PH RESULTED IN SUPPLY FAILURE OF 33KV BUS.
23	06.09.13	10:40	INDRAPRASTHA POWER 33KV KILOKRI CKT (BAY-37)	06.09.13	11:30	33KV BAY NO-12 & 36 OF TIE CB BETWEEN 33KV EAST AND WEST BUS TRIPPED ON O/C, B-PH RESULTED IN SUPPLY FAILURE OF 33KV BUS.
24	06.09.13	12:01	BAWANA 400/220KV 315MVA ICT-VI	10.09.13	18:00	ICT TRIPPED ON 426 PRV ALARM, DC FAIL, 86 A&B. MARSHALING BOX OF ICT DAMAGED IN FIRE. 220KV I/C-6 TRIPPED ON INTER TRIPPING.
25	06.09.13	14:20	220KV DIAL-MEHRAULI CKT-I	06.09.13	23:06	AT MEHRAULI CKT TRIPPED ON D/P, Z-1, A-PH, DIST-6.261 KM. AT DIAL CKT TRIPPED ON D/P, Z-1, R-PH, GENERAL TRIP, DIST-4.35 KM. PROBLEM IN R-PH CB CONTACT AT DIAL.
26	07.09.13	13:48	220KV OKHLA - BTPS CKT. - II	07.09.13	14:36	AT BTPS CKT TRIPPED ON D/P, DIST-2.0 KM. NO TRIPPING AT OKHLA.
27	07.09.13	13:48	220KV MEHRAULI - BTPS CKT. - II	07.09.13	14:40	AT BTPS CKT TRIPPED ON E/F, D/P, DIST-5.61 KM. NO TRIPPING AT MEHRAULI.
28	08.09.13	15:25	220KV WAZIRABAD - MANDOLA CKT-I	08.09.13	17:04	AT WZB CKT TRIPPED ON D/P, Z-1, R&Y-PH, DIST-1.4 KM. AT MANDOLA CKT TRIPPED ON D/P, R&Y-PH, DIST-12.15 KM.
29	08.09.13	16:09	220KV WAZIRABAD - MANDOLA CKT-II	08.09.13	18:16	AT WZB CKT TRIPPED ON D/P, Z-1&2, RY&B-PH, DIST-9.0 KM. AT MANDOLA CKT TRIPPED ON D/P, Z-2, DIST-15.34 KM.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
30	08.09.13	19:37	LODHI RD 33KV LAJPAT NAGAR CKT-I	08.09.13	22:55	CKT TRIPPED WITHOUT INDICATION AT LODHI ROAD. S/D ALONG WITH 33KV BUS-1 AVAILED TO ATTEND B-PH BUS ISOLATOR.
31	09.09.13	13:47	OKHLA 220/33KV 100MVA TX-IV	09.09.13	14:15	TR TRIPPED ON BUCHHOLZ,86.
32	09.09.13	22:52	LODHI RD 33/11KV, 16MVA TX-IV	10.09.13	0:08	TX TRIPPED ON OLT,86
33	11.09.13	15:58	LODHI RD 33KV IHC CKT-I	11.09.13	21:20	CKT TRIPPED ON E/F. S/D TAKEN TO ATTEND LINE PT AS CAT CLIMB ON LINE PT AND ELECTROCUTED.
34	12.09.13	3:42	DSI IDC BAWANA 220/66KV 100MVA TX-III	12.09.13	4:21	TX TRIPPED ON 96, LBB PROTECTION ALONG WITH 66KV I/C-3 WHICH TRIPPED ON 86.
35	12.09.13	3:42	DSI IDC BAWANA 220/66KV 100MVA TX-II	12.09.13	4:21	TX TRIPPED ON 96, LBB PROTECTION ALONG WITH 66KV I/C-2 WHICH TRIPPED ON 86.
36	12.09.13	4:20	SARITA VIHAR 66/11KV, 20MVA TX-II	12.09.13	10:30	11KV I/C-2 TRIPPED ON E/F.
37	12.09.13	7:00	400KV BAWANA-MUNDKA CKT-I	12.09.13	9:09	AT BAWANA CKT TRIPPED ON AUTO TRIP, CB DC-2 FAULTY, 85 LO (CARRIER LOCK OUT), 295 A1C AT CB NO-1552, 195 B2C AT CB NO 1652 AND 186 A&B.
38	12.09.13	14:51	WAZIRABAD 220/66KV 100MVA TX-II	12.09.13	16:57	TX TRIPPED ON SPR AND 66KV I/C-2 TRIPPED ON INTER TRIPPING
39	12.09.13	18:36	WAZIRABAD 220/66KV 100MVA TX-II	12.09.13	22:14	TX TRIPPED ON SPR AND 66KV I/C-2 TRIPPED WITHOUT INDICATION.
40	14.09.13	12:58	220 KV PATPARGANJ - I.P. CKT-I	14.09.13	19:10	AT IP CKT TRIPPED ON D/P, Z-2, AB&C-PH, 186. NO TRIPPING AT PATPARGANJ. AT IP B-PH PT CLAMP AND B-PH STRAND OF COMMON JUMPER CONDUCTOR DAMAGED.
41	14.09.13	12:58	220KV GEETA COLONY-PATPARGANJ CKT-I	14.09.13	13:06	AT GEETA COLONY CKT TRIPPED ON D/P, Z-1, DIST-3.301 KM. NO TRIPPING AT PATPARGANJ.
42	14.09.13	16:09	220KV MEHRAULI - VASANT KUNJ CKT-I	14.09.13	17:05	AT MEHRAULI CKT TRIPPED ON 67AX, A/R. NO TRIPPING AT VASANT KUNJ.
43	14.09.13	16:09	VASANT KUNJ 66KV VASANT KUNJ C-I CKT	15.09.13	20:55	AT VASANT KUNJ CKT TRIPPED ON 87P AND 186. Y-PH POLE OF CB, R-PH CT AND R-PH LINE ISOLATOR INSULATOR DAMAGED.
44	15.09.13	12:16	SARITA VIHAR 66/11KV, 20MVA TX-II	15.09.13	12:20	11KV I/C-2 TRIPPED ON E/F.
45	15.09.13	15:35	220KV BAMNAULI-PAPPANKALAN-II CKT-II	15.09.13	15:45	AT PPK-2 CKT TRIPPED ON D/P, Z-1, 207A. NO TRIPPING AT BAMNAULI END.
46	15.09.13	16:38	220KV BAMNAULI-PAPPANKALAN-II CKT-I	15.09.13	18:15	AT PPK-2 CKT TRIPPED ON 207 RELAY INDICATOR. NO TRIPPING AT BAMNAULI.
47	16.09.13	2:44	OKHLA 220/33KV 100MVA TX-IV	16.09.13	3:00	33KV I/C-3 TRIPPED ON E/F, 86.
48	16.09.13	2:44	OKHLA 220/33KV 100MVA TX-III	16.09.13	3:00	33KV I/C-3 TRIPPED ON 86, 51N LV SIDE.
49	16.09.13	8:40	DSI IDC BAWANA 220/66KV 100MVA TX-III	16.09.13	8:56	TX TRIPPED ON 86 AND 66KV I/C-2 TRIPPED ON E/F, LBB, 86.
50	16.09.13	8:40	DSI IDC BAWANA 220/66KV 100MVA TX-II	16.09.13	11:12	TX TRIPPED ON 86 AND 66KV I/C-2 TRIPPED ON LBB PROTECTION.
51	17.09.13	1:10	GAZIPUR 220/66KV 100MVA TX-II	17.09.13	1:55	66KV I/C-1 TRIPPED ON O/C,86. Y-PH CT OF BUS COUPLER DAMAGED.
52	17.09.13	1:10	GAZIPUR 220/66KV 100MVA TX-I	17.09.13	1:55	66KV I/C-1 TRIPPED ON O/C,86. Y-PH CT OF BUS COUPLER DAMAGED.
53	17.09.13	15:55	OKHLA 220/33KV 50MVA TX-I	17.09.13	16:40	33KV I/C-1 TRIPPED ON O/C,R,Y&B-PH,95,86.
54	17.09.13	15:55	OKHLA 33KV ALAKNANDA CKT-I	18.09.13	13:35	CKT TRIPPED ON O/C,E/F,186. Y&B-PH JUMPER OF 33KV ALAKNANDA CKT-I TOWARDS BUS SIDE MELTED.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
55	17.09.13	15:55	OKHLA 220/33KV 100MVA TX-IV	17.09.13	18:55	33KV I/C-1 TRIPPED ON O/C,86. Y&B-PH JUMPER OF 33KV ALAKNANDA CKT-1 TOWARDS BUS SIDE MELTED.
56	17.09.13	15:55	OKHLA 220/33KV 100MVA TX-III	17.09.13	18:55	33KV I/C-3 TRIPPED ON O/C,51A,86.
57	18.09.13	15:28	SHALIMAR BAGH 220/33KV 100MVA TX-III	18.09.13	15:38	TX TRIPPED ON O/C,E/F,86. 33KV I/C-3 TRIPPED ON R-PH O/C, E/F,86.
58	18.09.13	15:28	SHALIMAR BAGH 220/33KV 100MVA TX-II	18.09.13	15:37	33KV I/C-2 TRIPPED ON R-PH O/C,86.
59	19.09.13	9:40	220KV BAWANA - NAJAFGARH CKT	19.09.13	9:50	AT NJF CKT TRIPPED ON 86. NO TRIPPING AT BAWANA.
60	19.09.13	9:40	220KV KANJHAWALA- NAJAFGARH CKT	19.09.13	9:50	AT NJF CKT TRIPPED ON 86. NO TRIPPING AT KANJHAWALA.
61	19.09.13	13:00	ROHINI 220/66KV 100MVA TX-I	19.09.13	13:17	TX TRIPPED ON 195 ABC, 295 ABC.
62	20.09.13	9:15	ROHINI-II 220/66KV 160MVA TX-I	20.09.13	20:18	TX TRIPPED ON LOW GAS PRESSURE AND 86 A&B. 66KV I/C-1 TRIPPED ON 86.
63	20.09.13	11:30	GOPALPUR 220/33KV 100MVA TX-III	20.09.13	11:47	33KV I/C-3 TRIPPED ON O/C, B-PH.
64	20.09.13	11:30	GOPALPUR 33KV 10MVAR CAP. BANK-II	28.09.13	19:09	CAP BANK TRIPPED ON 64RT, O/C, RY&B-PH
65	20.09.13	12:10	220KV BAWANA - NAJAFGARH CKT	20.09.13	12:15	AT NJF CKT TRIPPED ON D/P, Z-2, 186. NO TRIPPING AT BAWANA.
66	20.09.13	12:11	220KVBAWANA- ROHINI CKT-II	20.09.13	17:50	AT BAWANA CKT TRIPPED ON D/P, A&B-PH, 86. NO TRIPPING AT ROHINI. Y-PH JUMPER SNAPPED AT TOWER NO-1.
67	21.09.13	1:37	400KV BAWANA- MUNDKA CKT-II	21.09.13	2:25	AT MUNDKA CKT TRIPPED ON D/P,Z-1,B-PH,A/R,186. AT BAWANA CKT TRIPPED ON D/P,Z-1,C-PH.
68	21.09.13	13:34	220KV MEHRAULI - VASANT KUNJ CKT.-I	21.09.13	15:15	AT MEHRAULI CKT TRIPPED ON D/P,A-PH,186A&B. NO TRIPPING AT VASANT KUNJ.
69	21.09.13	15:55	VASANT KUNJ 220/66KV 100MVA TX-II	21.09.13	22:25	TX TRIPPED ON HIGH OIL TEMPERATURE AND 66KV I/C-2 TRIPPED ON 86.
70	21.09.13	21:47	DSI IDC BAWANA 220/66KV 100MVA TX-II	21.09.13	22:23	TX AND 66KV I/C-2 TRIPPED ON 86.
71	22.09.13	6:13	400KV BAMNAULI- JHATIKARA CKT-I	22.09.13	7:07	AT BAMNAULI CKT TRIPPED ON D/P, C-N, Z-1, 186T, 186A&B.
72	22.09.13	15:54	DSI IDC BAWANA 220/66KV 100MVA TX-II	22.09.13	21:52	TX TRIPPED ON DIFFERENTIAL PROTECTION
73	23.09.13	9:05	INDRAPRASTHA POWER 220/33KV 100MVA TX-III	23.09.13	13:18	TX TRIPPED ON NON DIRECTIONAL O/C, E/F, 86. SNAKE ELECTROCUTED IN IN YARD.
74	24.09.13	17:20	400KV MUNDKA- JHATIKARA CKT-I	24.09.13	17:42	CKT TRIPPED ON D60 (LINE DISTANCE PROTECTION) 86A&B. NO TRIPPING AT OTHER END.
75	24.09.13	18:02	ROHINI 66KV ROHINI IV CKT-II	25.09.13	18:38	CKT TRIPPED ON D/P,Z-1,Y&B-PH,67AX,67NX,186. R-PH POLE OF CB DAMAGED.
76	24.09.13	18:02	ROHINI 220/66KV 100MVA TX-II	24.09.13	18:25	66KV I/C-1 TRIPPED ON 51A, 51C AND 86.
77	24.09.13	18:02	ROHINI 220/66KV 100MVA TX-I	24.09.13	18:25	66KV I/C-1 TRIPPED ON 51A, 51C AND 86.
78	25.09.13	15:55	OKHLA 220/33KV 100MVA TX-III	25.09.13	17:58	TX TRIPPED ON DIFFERENTIAL,86.
79	26.09.13	10:00	OKHLA 33KV MASJID MOTH CKT	26.09.13	13:50	CKT TRIPPED ON D/P,Z-2,RY&B-PH. Y-PH COMMON JUMPER BUS ISOLATOR BURNED.
80	27.09.13	17:25	PAPPANKALAN-II 220/66KV 100MVA TX-I	28.09.13	13:45	TX TRIPPED ON 86T,OSR-T,86X AND AUTO RECLOSE.
81	27.09.13	18:28	KASHMIRI GATE 33/11KV, 20MVA TX	27.09.13	19:45	TX TRIPPED ON 87 (DIFFERENTIAL PROTECTION),R&B-PH,86. MONKEY ELECTROCUTED IN YARD.
82	27.09.13	18:47	LODHI RD 33/11KV, 16MVA TX-IV	27.09.13	19:50	TX TRIPPED ON OLTTC TRIP.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
83	29.09.13	12:09	INDRAPRASTHA POWER 220/33KV 100MVA TX-I	29.09.13	13:05	33KV I/C-1 TRIPPED ON 86.
84	29.09.13	12:09	INDRAPRASTHA POWER 220/33KV 100MVA TX-II	29.09.13	13:08	33KV I/C-2 TRIPPED ON E/F.
85	29.09.13	13:45	NARAINA 220/33KV 100MVA TX-III	30.09.13	15:42	TX TRIPPED ON 87 DIFFERENTIAL AND 33KV I/C-3 TRIPPED ON INTER TRIPPING.

19.7 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH OCTOBER -2013

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	02.10.13	6:24	INDRAPRASTHA POWER 220/33kv 100MVA Tx-II	02.10.13	7:00	TX TRIPPED ON O/C,B-PH.
2	02.10.13	6:24	INDRAPRASTHA POWER 220/33kv 100MVA Tx-I	02.10.13	6:55	TX TRIPPED ON E/F.
3	02.10.13	6:24	INDRAPRASTHA POWER 33kv KILOKRI CKT (BAY-25)	07.10.13	15:35	CKT TRIPPED ON E/F. CB OF CKT DAMAGED.
4	03.10.13	6:13	SUBZI MANDI 33/11kv, 16MVA Tx-I	03.10.13	6:30	TX ALONG WITH 11KV TRIPPED ON O/C, E/F.
5	03.10.13	22:50	SUBZI MANDI 33/11kv, 16MVA Tx-I	03.10.13	23:50	TX TRIPPED ON NON DIRECTIONAL 51(O/C) R,Y&B-PH 86 A&B. 11KV I/C-1 TRIPPED ON O/C, R&B-PH.
6	05.10.13	12:21	220kv BAWANA-DSIIDC BAWANA CKT-I	05.10.13	16:31	CKT. TRIPPED ON DISTANCE PROT. , ZONE 1 AT BAWANA DSIDC, DIST. 1.6KM
7	05.10.13	21:17	220kv GEETA COLONY- PATPARGANJ CKT -II	05.10.13	21:47	CKT. TRIPPED ON DIST. PROT. ZONE -2, 86, 30E, 27, TOP PHASE JUMPER SNAPPED ON TOWER NO. 372
8	05.10.13	21:17	220kv WAZIRABAD-GEETA COLONY CKT-I	05.10.13	21:42	CKT. TRIPPED ON DISTANCE PROT. , B PHASE AT WAZIRABAD
9	06.10.13	1:03	220KV WAZIRABAD - MANDOLA CKT-II	06.10.13	1:12	CKT. TRIPPED ON 86 RELAY AT WAZIRABAD, R PHASE OF GEETA COLONY CAUGHT FIRE AND DAMAGED AT WAZIRABAD
10	06.10.13	5:21	WAZIRABAD 66kv YAMUNA VIHAR CKT-II	06.10.13	16:43	Ckt. tripped on O/C, B Phase, 86, Dist. Prot. Zone-3/4
11	06.10.13	12:45	220kv PRAGATI - SARITA VIHAR CKT	06.10.13	15:18	AT SARITA VIHAR CKT. TRIPPED ON AUTO RECLOSE LOCKOUT, 186AB, AT PARGATI SARITA VIHAR TRIPPED ON ACTIVE GTROUP -I DIST. PORT. ZONE-I
12	06.10.13	13:00	220kv MAHARANI BAGH - SARITA VIHAR CKT	06.10.13	13:12	CKT. TRIPPED ON DIST. PROT, E/F AT MAHARANI BAGH
13	06.10.13	17:08	GEETA COLONY 220/33kv 100MVA Tx-I	07.10.13	12:30	100MVA PR. TR. -I TRIPPED ALONGWITH 33KV I/C-I
14	07.10.13	9:55	PAPPANKALAN-I 66kv BINDAPUR CKT-I	07.10.13	11:20	CKT. TRIPPED ON 186, WHEN TRIED SPARKING OBSERVED ON O/C RELAY
15	07.10.13	11:40	PAPPANKALAN-I 66kv BINDAPUR CKT-I	07.10.13	13:45	CKT. TRIPPED ON 186
16	07.10.13	16:43	OKHLA 33kv MASJID MOTH CKT	07.10.13	19:02	CKT. TRIPPED ON DIST PROT. ZONE-I Y PHASE 186.
17	07.10.13	18:15	220kv GAZIPUR - BTPS CKT	28.10.13	9:27	AT BTPS CKT. TRIPPED ON DIST. PROT. ZONE-I, DIST. 10.4KM. CABLE FAULTY
18	11.10.13	6:41	220 KV PATPARGANJ - I.P. CKT-II	11.10.13	15:10	AT I.P.END :CKT. TRIPPED ON 186, 186, 86X & ABC, DISTANCE PROT. , AT PPG : CKT. TRIPPED ON 186, 186, 86X, ABC PHASAE, DISTANCE PORT
19	11.10.13	8:04	220kv GOPALPUR- MANDOLACKT-I	11.10.13	21:35	CKT. TRIPPED ON DISTANCE PROT. ZONE-I AT GOPALPUR, AT MANDOLA Y PHASE TO GROUND, ZONE -2
20	11.10.13	8:30	NAJAFGARH 66kv NANGLOI CKT	11.10.13	11:35	CKT. TRIPPED ON DISTANCE PROT. ZONE-1

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
21	11.10.13	8:35	SHALIMAR BAGH 33kV WAZIR PUR CKT-I	11.10.13	15:51	CKT. TRIPPED ON DIST. PORT. ZONE-1, 186
22	11.10.13	9:05	PARKSTREET 66/33kV, 30MVA Tx-II	11.10.13	14:22	TR. TRIPPED ON BUCH RELAY
23	11.10.13	9:20	PAPPANKALAN-I 66/11kV, 20MVA Tx-II	11.10.13	9:57	TR. TRIPPED ON O/C
24	11.10.13	16:22	GOPALPUR 33kV WAZIRABAD-I	11.10.13	19:42	CKT. TRIPPED ON O/C ALONGWITH I/C-III BUS-II, INSULATOR & PG CLAMP DAMAGED
25	11.10.13	16:22	GOPALPUR 33kV WAZIRABAD-II	11.10.13	19:42	CKT. TRIPPED ON DIST. PROT
26	13.10.13	8:06	220kV MAHARANI BAGH - LODHI ROAD CKT-I	13.10.13	11:10	WOMEN CLIMBED ON TOWER, MADE OFF FOR SECURITY REASONS
27	13.10.13	8:06	220kV MAHARANI BAGH - LODHI ROAD CKT-II	13.10.13	11:10	WOMEN CLIMBED ON TOWER, MADE OFF FOR SAFETY RESONS
28	13.10.13	10:25	RIDGE VALLEY 220/66kV 160MVA Tx-I	13.10.13	22:40	TR. TRIPPED ON 86A, 86B, DIFF. PROT.
29	13.0.13	12:36	PATPARGANJ 33kV SHAKAR PUR CKT	13.0.13	15:28	CKT. TRIPPED ON E/F, EARTH LINK DAMAGED
30	13.0.13	18:04	MEHRAULI 66kV MALVIYA NAGAR CKT-II	13.0.13	20:15	CKT. TRIPPED ON DIST. PROT.,ZONE-I
31	14.10.13	21:10	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	16.10.13	23:25	I/C-II TRIPPED ON E/F
32	14.10.13	21:10	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	16.10.13	23:25	I/C-I TRIPPED ON 86
33	15.10.13	11:37	LODHI RD 33/11kV, 16MVA Tx-III	15.10.13	14:55	TR. TRIPPED ON O/C , 86
34	15.10.13	17:28	NARAINA 33kV DMS CKT	15.10.13	22:58	CKT. TRIPPED ON DIST. PROT, E/F
35	16.10.13	21:19	220kV GOPALPUR-MANDOLACKT-II	16.10.13	21:44	CKT TRIPPED ON SPS FROM MANDOLA, NO TRIPPING AT GOPALPUR
36	16.10.13	21:19	220kV GOPALPUR-MANDOLACKT-I	16.10.13	21:42	CKT. TRIPPED ON SPS OPERATED AT MANDOLA NOT TRIPPING AT GOPALPUR
37	16.10.13	21:44	SUBZI MANDI 220/33kV 100MVA Tx-II	16.10.13	22:29	TR. TRIPPED ON O/C, E/F 186 WITH33KV I/C-II ON 86
38	17.10.13	6:46	OKHLA 66kV MALVIYA NAGAR CKT-III	17.10.13	6:58	CKT. TRIPPED ON DIST. PROT., ZONE-1
39	18.10.13	13:04	220kV BAMNAULI-PAPPANKALAN-II CKT-II	18.10.13	15:55	TRIPPED ON DIST. PROT ZONE-2
40	18.10.13	18:28	GOPALPUR 33kV 10MVAR CAP. BANK-I	19.10.13	12:45	CAPACITOR BANK TRIPPED ON INSTANTANIOUS RELAY, 86
41	20.10.13	19:08	220kV PRAGATI - SARITA VIHAR CKT	21.10.13	12:52	CRITICAL HOT POINT REPORTED AT Y-PH LINE ISOLATOR CLAMP CVT SIDE SO CKT MADE OFF AT 19:08 HRS OF 20.10.13.S/D AVAILED TO ATTEND HOT POINT AT Y-PH LINE ISOLATOR CLAMP CVT SIDE.
42	20.10.13	19:50	220kV GOPALPUR-SUBZI MANDI CKT-II	21.10.13	16:46	SPARKING REPORTED AT TOWER NO-11, CKT MADE OFF AT 19:50 HRS OF 20.10.13. LATER S/D AVAILED TO TO ATTEND THE PROBLEM.
43	21.10.13	1:35	NARELA 220/66kV 100MVA Tx-I	21.10.13	1:47	TX TRIPPED ON 86.
44	24.10.13	18:30	400kV Mandola-Bawana Ckt-II	24.10.13	18:43	AT BAWANA CKT TRIPPED ON 85,186 AND CARRIER FAIL. NO TRIPPING AT MANDOLA.
45	25.10.13	15:58	OKHLA 220/33kV 100MVA Tx-III	25.10.13	16:10	TX ALONG WITH 33KV I/C-3 TRIPPED ON E/F.
46	26.10.13	18:55	SARITA VIHAR 220/66kV 100MVA Tx-II	27.10.13	21:05	66KV I/C-2 B-PH POLE BASTED AND DAMAGED.
47	27.10.13	13:25	ROHINI 66kV ROHINI SEC-24 CKT-I	27.10.13	16:10	CKT TRIPPED ON D/P & PT FUSE FAILURE.
48	28.10.13	0:02	GOPALPUR 33kV INDRA VIHAR CKT-II	28.10.13	10:08	CKT TRIPPED WITHOUT INDICATION. PROBLEM IN CB OF LINE.
49	28.10.13	12:16	220kV NARELA - MANDOLA CKT-II	28.10.13	16:50	AT NRL CKT TRIPPED ON D/P,Z-2,DIST-19 KM,186. AT MDL CKT TRIPPED ON CB AUTO TRIP,A/R, 186
50	28.10.13	16:11	400kV Mundka-Jhatikara Ckt-II	28.10.13	16:28	CKT TRIPPED ON DIRECT TRIP COMMAND SIGNAL DURING PROTECTION TESTING OF ISLAND SCHEME AT MANDOLA

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
51	29.10.13	6:35	VASANT KUNJ 66kV VASANT KUNJ C-I CKT	29.10.13	15:30	CKT TRIPPED ON 186. PROBLEM IN CB.
52	29.10.13	10:00	KANJHAWALA 66/11kV, 20MVA Tx-II	29.10.13	13:40	11KV I/C-2 TRIPPED ON O/C.
53	29.10.13	10:01	LODHI RD 33/11kV, 16MVA Tx-III	29.10.13	13:20	TX TRIPPED ON O/C,ALL PHASE,86 AND 11KV I/C-3 TRIPPED ON O/C,R&B-PH,86.
54	29.10.13	22:53	KANJHAWALA 66/11kV, 20MVA Tx-II	14.11.13	18:35	TX-2 TRIPPED ON 195c,80,25c,64RLV,O/C,86 AND 11KV I/C-1 TRIPPED ON E/F,O/C,R&B-PH,DC FAILED. FIRE BROKE OUT IN 11KV PANEL AND SWITCH-GEAR. 11KV I/C-2 TROLLEY DAMAGED IN FIRE.
55	29.10.13	22:53	KANJHAWALA 66/11kV, 20MVA Tx-I	30.10.13	5:22	TX-1 TRIPPED ON OLTC BUCHHOLZ,30G,86 AND 11KV I/C-1 TRIPPED ON DC FAILED. FIRE BROKE OUT IN 11KV PANEL AND SWITCH-GEAR.
56	29.10.13	23:54	KANJHAWALA 220/66kV 100MVA Tx-II	30.10.13	11:48	TX CB TRIPPED ON LOW GAS PRESSURE.(LT SUPPLY FAILED DUE TO FIRE IN 11KV PANEL AND SWITCH-GEAR)
57	31.10.13	8:16	WAZIRABAD 220/66kV 100MVA Tx-III	31.10.13	8:45	66KV I/C-3 TRIPPED ON E/F,86.
58	31.10.13	8:16	WAZIRABAD 66/11kV, 20MVA Tx-IV	31.10.13	8:48	11KV I/C-4 TRIPPED WITHOUT INDICATION.
59	31.10.13	8:16	WAZIRABAD 220/66kV 100MVA Tx-I	31.10.13	13:00	66KV I/C-1 TRIPPED ON O/C,E/F.
60	31.10.13	8:16	WAZIRABAD 220/66kV 100MVA Tx-II	31.10.13	8:45	66KV I/C-2 TRIPPED ON E/F,86.
61	31.10.13	8:16	WAZIRABAD 66/11kV, 20MVA Tx-III	31.10.13	10:15	TX TRIPPED ON 30F,86 AND 11KV I/C-3 TRIPPED WITHOUT INDICATION.

19.8 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH NOVEMBER – 2013

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.11.13	13:14	220kv SARITA VIHAR - BTPS CKT.-I	01.11.13	17:00	AT SARITA VIHAR CKT TRIPPED ON D/P,B-PH,E/F. AT BTPS CKT TRIPPED ON E/F.
2	02.11.13	10:55	OKHLA 66kV OKHLA PHASE-I CKT-I	02.11.13	11:50	WHILE ARRANGING S/D CKT TRIPPED ON VT FUSE FAIL.
3	03.11.13	18:20	LODHI RD 33/11kV, 16MVA Tx-III	03.11.13	21:10	11KV I/C-3 TRIPPED ON O/C,86. SPARKING OCCURRED ON 11KV TELEPHONE EXCHANGE FEEDER.
4	04.11.13	7:17	PARKSTREET 66/33kV, 30MVA Tx-I	04.11.13	9:58	TX TRIPPED ON OLTC BUCHHOLZ INDICATION,80AB,86
5	04.11.13	15:02	SUBZI MANDI 33/11kV, 16MVA Tx-II	04.11.13	16:42	TX TRIPPED ON O/C,E/F,86. 11KV I/C-2 TRIPPED ON O/C.
6	06.11.13	9:43	LODHI RD 33/11kV, 16MVA Tx-III	06.11.13	18:15	TX TRIPPED ON O/C,E/F. O/C RELAY APPEARED ON I/C-3 BUT DID-NOT.
7	07.11.13	1:19	KANJHAWALA 66/11kV, 20MVA Tx-I	07.11.13	2:03	TR. TRIPPED ON OLTC, BUCHOLZ, 11KV I/C-I ALSO TRIPPED ON HIGH SPEED RELAY, 86, SMOKE OBSERVED ON VCB
8	07.11.13	14:00	KANJHAWALA 66/11kV, 20MVA Tx-I	07.11.13	17:53	TR. TRIPPED ON AUX, OLTC, BUCH WITH 11KV I/C-I
9	08.11.13	16:07	GOPALPUR 33kV INDRA VIHAR CKT-II	08.11.13	20:36	CKT. TRIPPED ON DIST. PROT. ZONE-I, Y PHASE 86
10	08.11.13	18:10	INDRAPRASTHA POWER 33kV EXHIBITION GR-I CKT (BAY-7)	08.11.13	18:33	CKT. TRIPPED ON O/C, R & B PHASE
11	08.11.13	23:13	NARAINA 33/11kV, 16MVA Tx-I	09.11.13	7:52	16MVA PR.TR. -I ALONGWITH 11KV/I-C-I TRIPPED ON MASTER RELAY, OLTC, BUCH RELAY

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
12	09.11.13	11:14	NAJAFGARH 66kV JAFFERPUR CKT-II	09.11.13	12:09	CKT. TRIPPED ON DIST. PROT. ZONE -1, 86
13	10.11.13	13:04	KASHMIRI GATE 33kV JAMA MASJID	10.11.13	14:28	CKT. TRIPPED ON DIST. PROT. ZONE 2&3, R&Y,EARTH FAULT, OVER CURRENT, 86 RELAY
14	12.11.13	21:15	GAZIPUR 220/66kV 100MVA Tx-I	13.11.13	20:10	COMPRESSOR TERMINAL BOX OF TR. -I BURNT. TR. MADE OFF.
15	13.11.13	10:37	220 KV PATPARGANJ - I.P. CKT-II	17.11.13	9:30	EMERGENCY SHUTDOWN FOR THREE DAYS OF CKT. DUE TO FIRE OBSERVED IN CONTROL CABLE & FOR OVERHAULING OF CKT. BREAKER
16	13.11.13	10:55	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	13.11.13	12:20	TR. PUT OFF DUE TO FIRE OBSERVED IN CONTROL CABLES AT I.P.STN.
17	13.11.13	10:57	220 KV PATPARGANJ - I.P. CKT-I	13.11.13	17:50	CKT. PUT OFF DUE TO FIRE OBSERVED IN CONTROL CABLE AT I.P.
18	13.11.13	11:25	220 KV I.P. - RPH CKT-II	13.11.13	15:25	CKT. PUT OFF DUE TO FIRE OBSERVED IN CONTROL CABLES AT I.P.STN
19	14.11.13	6:44	GOPALPUR 33/11kV, 16MVA Tx-I	14.11.13	6:53	TX TRIPPED ON O/C, R-PH AND 11KV I/C-1 TRIPPED ON O/C.
20	15.11.13	10:23	220KV BAWANA-SHALIMARBAGH CKT-II	15.11.13	10:33	AT SHALIMARBAGH CKT TRIPPED ON D/P,C-PH,AUTO RE-CLOSE. NO TRIPPING AT BAWANA.
21	16.11.13	11:33	DSIIDC Bawana 220/66kV 100MVA Tx-II	16.11.13	11:54	TX TRIPPED ON 86. 66KV I/C-2 TRIPPED ON LBB PROTECTION 96.
22	16.11.13	11:33	DSIIDC Bawana 220/66kV 100MVA Tx-III	16.11.13	11:54	TX TRIPPED ON 86. 66KV I/C-2 TRIPPED ON LBB PROTECTION 96,86.
23	18.11.13	8:17	OKHLA 220/33kV 100MVA Tx-IV	18.11.13	8:46	33KV I/C-4 TRIPPED ON E/F,86.
24	18.11.13	8:17	OKHLA 220/33kV 100MVA Tx-III	18.11.13	8:46	33KV I/C-3 TRIPPED ON E/F,86.
25	18.11.13	8:17	OKHLA 33kV NEHRU PLACE CKT-II	20.11.13	11:45	R-PH POLE OF CKT BREAKER DAMAGED AT OKHLA 220KV.
26	21.11.13	11:18	WAZIRABAD 220/66kV 100MVA Tx-II	21.11.13	15:14	TX TRIPPED ON PRV.
27	23.11.13	17:10	PAPPANKALAN-I 66kV REWARI LINE CKT	23.11.13	17:40	CKT. TRIPPED ON DISTANCE PROT. R PHASE ZONE-I
28	24.11.13	17:47	BAWANA 400/220kV 315MVA ICT-I	24.11.13	18:06	CB NO. 1352 OF 220KV I/C -I TRIPPED ON AUTO TRIP
29	26.11.13	12:16	LODHI RD 220/33kV 100MVA Tx-II	26.11.13	15:56	TR. TRIPPED ON TIMER LBB PROT. ALONGWITH 33KV I/C-II, SPARKING OBSERVED ON ON LA 220KV SIDE
30	26.11.13	12:16	220kV MAHARANI BAGH - LODHI ROAD CKT-II	26.11.13	15:46	CKT. TRIPPED AT BOTH END. AT MAHARANI BAGH : A/R LOCK OUT AT LOADHI ROAD, 86ABC, DIST. PORT, A/R, 186
31	26.11.13	23:34	ROHINI-II 220/66kV 160MVA Tx-I	27.11.13	0:12	TR. TRIPPED WITHOUT INDICATION
32	28.11.13	4:07	DSIIDC Bawana 220/66kV 100MVA Tx-III	28.11.13	4:33	TR. TRIPPED ON 86, O/C, E/F WITH 66KV I/C-III TRIPPED ON O/C, E/F, LBB, 86, 96, 50/51
33	28.11.13	4:07	DSIIDC Bawana 220/66kV 100MVA Tx-II	28.11.13	4:33	TR. TRIPPED ON 86, WITH 66KV I/C-II TRIPPED ON 96, LBB
34	28.11.13	5:25	GAZIPUR 220/66kV 100MVA Tx-I	28.11.13	5:40	66KV I/C-I TRIPPED ON TRIP CKT. SUPERVISION, 86 E/F
35	29.11.13	20:28	LODHI RD 33/11kV, 16MVA Tx-III	29.11.13	23:09	TR. TRIPPED ON O/C ON ALL PHASES WITH 11KV I/C-III. HEAVY SMOKE IN 11KV BREAKER -III
36	30.11.13	8:15	WAZIRABAD 66/11kV, 20MVA Tx-III	30.11.13	9:28	TR. TRIPPED ON LOW GAS PRESSURE IN THE BREAKER

9.9 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH DECEMBER - 2013

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.12.13	12:11	PARKSTREET 220/66kV 100MVA Tx-II	1.12.13	12:25	TR. TRIPPED ON 95B, 86, E/F 51N
2	1.12.13	16:05	WAZIRABAD 220/66kV 100MVA Tx-III	1.12.13	16:20	TR TRIPPED ON E/F
3	1.12.13	16:05	220kV WAZIRABAD-GEETA COLONY CKT-II	1.12.13	21:42	AT WAZIRABAD CKT. TRIPPED ON ZONE-I, B PHSE FAULT LOOP L-3-N, B PHASE LA DAMAGE AT GEETA COLONY CKT. TRIPPED ON ACTIVE GROUP-I, TRIP PHASE ABC, SHORT ELEMENT DISTANCE, OC, E/F, DIST PROT, ZONE-2
4	1.12.13	16:05	220KV WAZIRABAD - MANDOLA CKT-IV	1.12.13	16:27	AT WAZIRABAD NO TRIPPING AT MANDOLA CKT. TRIPPED ON DIST. PROT. ZONE-3, DIST. 22.16KM
5	5.12.13	12:39	220KV NARELA - MANDOLA CKT-II	5.12.13	17:12	AT 220KV NARELA THE CKT. TRIPPED ON Z-I, B PHASE DIST. 5.723 KMS. AT MANDOLA : DIST. PROTECTION, B PHASE ZONE-2
6	9.12.13	9:45	220KV MAHARANI BAGH - SARITA VIHAR CKT	9.12.13	10:08	CKT. TRIPPED ON DIST. PROT. DISTANCE 1.3KM. NO TRIPPING AT SARITA VIHAR
7	15.12.13	0:38	LODHI RD 33/11kV, 16MVA Tx-Iv	15.12.13	7:38	TR. TRIPPED ON DIFFERENTIAL, 86, 11KV I/C- IV TRIPPED ON INTERTRIP
8	17.12.13	3:17	LODHI RD 220/33kV 100MVA Tx-II	17.12.13	8:28	TX TRIPPED ON AUTO RE-CLOSE LOCKOUT, 186 A&B.
9	17.12.13	5:45	OKHLA 66/11kV, 20MVA Tx-I	17.12.13	6:10	11KV I/C-1 TRIPPED ON R&B-PH O/C.
10	17.12.13	7:40	220kV GAZIPUR - BTPS CKT	17.12.13	8:34	AT GAZIPUR CKT TRIPPED ON D/P,Z-C. AT BTPS CKT TRIPPED ON B-PH,E/F, DIST- 15.04KM.
11	17.12.13	8:45	220kV GAZIPUR - BTPS CKT	17.12.13	11:55	AT GAZIPUR CKT TRIPPED ON POLE DISCREPENCY. NO TRIPPING AT BTPS.
12	17.12.13	9:08	LODHI RD 220/33kV 100MVA Tx-II	17.12.13	14:35	TX TRIPPED ON LBB PROTECTION AUTO RE- CLOSE LOCKOUT, 186 A&B. 33KV I/C-2 TRIPPED ON O/C.
13	17.12.13	23:10	NAJAFGARH 66/11kV, 20MVA Tx-III	18.12.13	15:05	TX TIPPED ON OLTC BUCHHOLZ,95, 86.
14	18.12.13	1:55	INDRAPRASTHA POWER 33kV EXHIBITION GR-I CKT (BAY-7)	18.12.13	18:30	CKT. TRIPPED WITHOUT INDICATION. PTW TAKEN BY DTL MTC. STAFF
15	18.12.13	1:55	INDRAPRASTHA POWER 33kV DELHI GATE CKT (BAY-17)	19.12.13	17:10	CKT. TRIPPED WITHOUT INDICATION PTW TAKEN BY DTL MTC. STAFF
16	18.12.13	7:37	220kV KANJHAWALA- NAJAFGARH CKT	18.12.13	7:40	AT NAJAFGARH CKT. TRIPPED ON DIST. PROT. ZONE 1, B-N PHASE AT KHANJAWALA 220KV BUS COUPLER TRIPPED ON E/F
17	19.12.13	17:18	220 KV I.P.- RPH CKT-I	19.12.13	20:00	AT I.P. CKT. TRIPPED ON DIST. ZONE -1, 87, 190CC, 186X, 86ABC, 186A&B AUTO RECLOSE AT RPH CKT. TRIPPED ON 186A&B, 186X ABC CKT. CHARGED FROM RPH END.
18	21.12.13	16:37	220kV GOPALPUR- MANDOLACKT-I	21.12.13	17:37	OPERATION OF SPS RELAY AT MANDOLA
19	21.12.13	16:37	220kV NARELA - MANDOLA CKT-I	21.12.13	17:37	OPERATION OF SPS RELAY AT MANDOLA
20	21.12.13	16:37	220kV NARELA - MANDOLA CKT-II	21.12.13	17:37	OPERATION OF SPS RELAY AT MANDOLA
21	21.12.13	16:37	220kV GOPALPUR- MANDOLACKT-II	21.12.13	17:37	OPERATION OF SPS RELAY AT MANDOLA
22	22.12.13	15:20	PATPARGANJ 66kV VIVEK VIHAR CKT-II	22.12.13	18:50	CKT. TRIPPED ON 86, 86, DIST. PROT. DISTANCE 800MTS. CKT. BACK CHARGED BUT HOT POINT APPEARED ON BUS COUPLER TO BE ATTEND

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
23	23.12.13	15:40	BAMNAULI 400/220kv 315MVA ICT-II	23.12.13	16:14	ICT TRIPPED ON INTER TRIPPING AFTER BREAKER LOCKOUT APPEARS ON 220KV SIDE
24	24.12.13	11:50	GOPALPUR 33kv 10MVAR CAP. BANK-II	24.12.13	13:20	CAPACITOR BANK -II TRIPPED ON E/F
25	25.12.13	12:30	220kv ROHINI- SHALIMARBAGH CKT-I	25.12.13	12:37	CKT. TRIPPED ON O/C , 67AX, 186 A&B, BIRDAGE REPORTED, CKT. TRIED HELD OK.
26	27.12.13	15:27	220kv BAMNAULI- NARAINA CKT-I	28.12.13	18:30	AT BAMNAULI CKT. TRIPPED ON 186A&B, ZONE-1, A&B AT NARAINA NO TRIPPING ONLY SUPPLY FAIL
27	27.12.13	16:06	PRAGATI 220/66kv 160MVA Tx-I	29.12.13	20:21	TR. TRIPPED ON 87 DIFFERENTIAL, 86 86
28	28.12.13	9:35	220kv MAHARANIBAGH- MASJID MOTH CKT-II	29.12.13	12:02	CKT. TRIPPED ON O/C
29	28.12.13	10:48	GOPALPUR 33kv 10MVAR CAP. BANK-II	28.12.13	12:25	CAPACITOR BANK -II TRIPPED ON INSTANTANEOUS E/F RELAY
30	28.12.13	11:05	INDRAPRASTHA POWER 220/33kv 100MVA Tx-I	30.12.13	14:35	TR. TRIPPED ON DIFFERENTIAL RELAY ALONGWITH 33KV I/C-I TRIPPED ON 51CX, E/F
31	28.12.13	23:02	MEHRAULI 220/66kv 160MVA Tx	28.12.13	23:46	TR. TRIPPED ON O/C & E/F ALONGWITH 66KV I/C-I
32	29.12.13	8:36	PAPPANKALAN-I 66/11kv, 20MVA Tx-I	29.12.13	8:46	TR. TRIPPED ON OLTC BUCHOLZ
33	29.12.13	10:22	220kv MAHARANIBAGH- MASJID MOTH CKT-I	29.12.13	17:55	SMOKE OBSERVED ON BREAKER OF CKT. AT MASJID MOTH & MADE OFF
34	29.12.13	12:05	220kv MEHRAULI - VASANT KUNJ CKT.-I	29.12.13	12:42	CKT. TRIPPED ON DIST. PROT. ZONE A AUTO RECLOSE 186A, 186B
35	29.12.13	12:42	220kv MEHRAULI - VASANT KUNJ CKT.-I	29.12.13	13:40	CKT. TRIPPED WITH JERK AT MEHRAULI
36	30.12.13	21:40	PARKSTREET 66/33kv, 30MVA Tx-I	30.12.13	22:12	TR. TRIPPED ON 86, DIFFERENTIAL
37	30.12.13	21:57	220kv MEHRAULI - VASANT KUNJ CKT.- II	30.12.13	22:14	AT MEHRAULI CKT. TRIPED ON 186 A&B, 295CC, 295CB AT VASANT KUNJ NO TRIPPING
38	30.12.13	22:40	PARKSTREET 66/33kv, 30MVA Tx-I	31.12.13	10:57	TR. TRIPPED ON 86 DIFFERENTIAL

19.10 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH JANUARY -2014

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	2.1.14	11:15	220kv MAHARANIBAGH- MASJID MOTH CKT-I	2.1.14	17:25	CKT. TRIPPED AT MASJID MOTH CB TROUBLE ALARM, TRIP CKT. I & 2, FAULTY 195RYB, 295 RYB CKT .BREAKER DID NOT TRIP AT MAHARANI BAGH CKT. MADE OFF MANUALLY
2	2.1.14	11:30	DSIIDC Bawana 220/66kv 100MVA Tx-III	2.1.14	12:10	TR. TRIPPED ON 86, 96 RELAY
3	2.1.14	11:30	DSIIDC Bawana 220/66kv 100MVA Tx-II	2.1.14	13:10	TR. TRIPPED ON 86, 96 RELAY
4	4.1.14	10:10	PATPARGANJ 220/33kv 100MVA Tx-IV	4.1.14	10:25	TR. TRIPPED ON E/F, 64RLV, 33KV I/C-IV TRIPPED ON 86
5	5.1.14	16:02	LODHI RD 33/11kv, 16MVA Tx-iv	5.1.14	19:36	TR. TRIPPED ON DIFFERENTIAL PROT. 33KV SIDE Y PHASE BUSHING DAMAGED DUE TO ELECTROCUTION OF MONKEY
6	7.1.14	21:43	PRAGATI 220/66kv 160MVA Tx-II	7.1.14	23:42	TR. TRIPPED ON 86, 86, BUCHOLZ, HIGH OIL TEMP.
7	7.1.14	21:43	PRAGATI 220/66kv 160MVA Tx-I	7.1.14	22:25	TR. TRIPPED ON 86, 8651CX, 30B (OIL TEMP. HIGH), 30L (WINDING TEMP. HIGH)
8	11.1.14	8:35	PAPPANKALAN-I 220/66kv 100MVA Tx-IV	11.1.14	9:50	TR. TRIPPED ON O/C & E/F ALONGWITH CB AUTO TRIP
9	11.1.14	8:35	PAPPANKALAN-I 220/66kv 100MVA Tx-III	11.1.14	9:50	TR. TRIPPED ON O/C & E/F ALONGWITH CB AUTO TRIP

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
10	12.1.14	13:50	MEHRAULI 66/11kV, 20MVA Tx-I	12.1.14	14:25	TR. TRIPPED ON HIGH OIL TEMP, 30D, 86
11	12.1.14	14:13	220kV GEETA COLONY- PATPARGANJ CKT -II	12.1.14	14:25	AT PATPARGANJ CKT. TRIPPED ON PHASE A, B, C AT GEETA COLONY CKT. TRIPPED ON PHASE A, B, C, ACTIVE GROUP I, START PHASE A&B, DIST PROT, ZONE I, FAULT LOCATION 1.78KMS.
12	12.1.14	22:40	VASANT KUNJ 66/11kV, 20MVA Tx-II	17.1.14	3:55	TX TRIPPED ON 30D OIL TEMP.,86 AND 11KV I/C-2 TRIPPED ON 30D.
13	14.1.14	1:45	VASANT KUNJ 66/11kV, 20MVA Tx-I	14.1.14	2:20	TX TRIPPED ON 51A,B&C, 86. 11KV I/C-1 TRIPPED ON 51A,86
14	15.1.14	7:55	400kV Bawana-Mundka Ckt-II	15.1.14	8:09	AT BAWANA CKT TRIPPED ON AUTO RECLOSE. NO TRIPPING AT MUNDKA.
15	15.1.14	17:37	400kV Bawana-Mundka Ckt-II	15.1.14	17:57	AT BAWANA BOTH CB OF CKT TRIPPED ON 85LO, 186A&B AUTO RECLOSE. NO TRIPPING AT MUNDKA.
16	16.1.14	3:52	220kV KANJHAWALA- NAJAFGARH CKT	16.1.14	4:50	AT NJF CKT TRIPPED ON ABC-PH,186.AT KANJHAWALA 220KV BUS COUPLER TRIPPED ON O/C,E/F.
17	16.1.14	4:17	400kV Bamnauli-Jhatikara Ckt-II	16.1.14	12:56	AT BAMNAULI CB NO 1552 TRIPPED ON 186AB,O/V.TRACKING OBSERVED IN OVER VOLTAGE RELAY AT BAMNAULI. AT JHATIKARA CKT TRIPPED ON CHANNEL I&II DIRECT TRIP.
18	16.1.14	5:18	220kV KANJHAWALA- NAJAFGARH CKT	17.1.14	11:20	AT NJF CKT TRIPPED ON ABC-PH,186. NO TRIPPING AT KANJHAWALA.
19	16.1.14	6:36	220kV WAZIRABAD-GEETA COLONY CKT-I	16.1.14	6:50	AT WZB CKT TRIPPED ON E/F,86. NO TRIPPING AT GEETA COLONY.
20	16.1.14	6:36	220 KV PATPARGANJ - I.P. CKT-II	16.1.14	6:56	AT IP CKT TRIPPED ON D/P,Z-2,186.AT PATPARGANJ CKT TRIPPED ON D/P,Z-2,AB&C-PH,86.
21	16.1.14	6:36	220 KV PATPARGANJ - I.P. CKT-I	16.1.14	7:05	AT IP CKT TRIPPED ON D/P,Z-1,AB&C-PH,186.AT PATPARGANJ CKT TRIPPED ON D/P,Z-2,AB&C-PH,86,DIST-4.653 KM.
22	16.1.14	6:36	220kV GEETA COLONY- PATPARGANJ CKT-I	16.1.14	9:32	AT GEETA COLONY CKT TRIPPED ON D/P,Z-3,27RY&B, 86, E/F,DIST-8.44KM. NO TRIPPING AT PATPARGANG.
23	16.1.14	7:55	220kV WAZIRABAD-GEETA COLONY CKT-II	16.1.14	8:18	AT WZB CKT TRIPPED ON D/P,Z-1, DIST-4.7 KM.AT GEETA COLONY CKT TRIPPED ON D/P,Z-1,E/F.
24	16.1.14	10:45	SHALIMAR BAGH 220/33kV 100MVA Tx-III	16.1.14	14:01	33KV I/C-3 TRIPPED ON O/C.
25	16.1.14	11:43	LODHI RD 220/33kV 100MVA Tx-I	16.1.14	17:08	TX TRIPPED ON OLTC.
26	17.1.14	6:03	220kV BAWANA - KANJHAWALA CKT	17.1.14	20:31	CKT. TRIPPED ON DIST. PROT, DIST. 6.45KM, AUTO RECLOSE
27	19.1.14	11:15	PARKSTREET 33kV 10MVAR CAP. BANK-II	19.1.14	0:00	SHUTDOWN TO ATTEND OIL LEAKAGE IN REACTOR
28	20.1.14	11:46	400kV Mandola-Bawana Ckt-I	20.1.14	12:28	CKT. TRIPPED WITHOUT INDICATION, MASTER RELAY
29	20.1.14	12:48	ROHINI-II 220/66kV 160MVA Tx-I	20.1.14	16:12	TR. TRIPPED ON 86B, LOW GAS PRESSURE
30	21.1.14	14:06	220kV PRAGATI - SARITA VIHAR CKT	21.1.14	14:50	AT PRAGATI CKT. TRIPPED ON DIST. PROT., ZONE-2, FAULT LOCATION 12.6KMS. AT SARITA VIHAR NO TRIPPING
31	21.1.14	14:06	220kV MAHARANI BAGH - SARITA VIHAR CKT	21.1.14	14:50	AT MAHARANI BAGH CKT. TRIPPED ON DIST. PROT, ZONE 2, DIST, 8.5KM AT SARITA VIHAR NO TRIPPING
32	22.1.14	20:30	NAJAFGARH 66kV 20MVAR CAP. BANK-I	23.1.14	13:40	CAP BANK TRIPPED ON UNBALANCEING.
33	23.1.14	17:45	SARITA VIHAR 66/11kV, 20MVA Tx-II	23.1.14	18:50	TX TRIPPED ON SPR,80E,AB&C MASTER RELAY. 11KV I/C-2 TRIPPED WITHOUT INDICATION.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
34	25.1.14	9:25	MEHRAULI 220/66kV 100MVA Tx-I	25.1.14	17:45	TR. TRIPPED ON 186, REF, AUX OPERATION, 66KV I/C-I TRIPPED ON O/C , E/F
35	25.1.14	15:55	OKHLA 220/33kV 100MVA Tx-IV	25.1.14	17:53	TR. TRIPPED ON BUCH. RELAY
36	29.1.14	7:15	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	29.1.14	12:30	TX MADE OFF AS ABNORMAL NOISE OBSERVED IN R-PH CT.

19.11 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH FEBRUARY – 2014

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01/02/14	11:08	GOPALPUR 220/33kV 100MVA Tx-III	01/02/14	12:57	NEUTRAL CT BLAST TR. TRIPPED MANUALLY
2	02/02/14	20:14	220kV SARITA VIHAR - BTPS CKT.-II	03/02/14	12:20	AT BTPS NO TRIPPING AT SARITA VIHAR CKT. TRIPPED ON DIST. PROT, Y PHASE, DIST PROT, DIST. 2KMS.
3	02/02/14	20:14	220kV SARITA VIHAR - BTPS CKT.-I	03/02/14	12:20	AT BTPS END NO TRIPPING, AT SARITA VIHAR CKT. TRIPPED ON DIST. PROT, Y PHASE , 186A, 186B
4	03/02/14	2:30	ROHINI-II 220/66kV 160MVA Tx-I	03/02/14	13:07	TR. TRIPPED ON LOW GAS PRESSURE, 86B, ALONGWITH 66KV I/C-I TRIPPED ON 86B
5	07/02/14	15:17	220kV KANJHAWALA-NAJAFGARH CKT	07/02/14	19:18	CKT. TRIPPED ON Z-1, DIST. RELAY ABC, DIST. 6.1714KM
6	09/02/14	11:05	220kV Maharani Bagh- Electric Lane Ckt-II	09/02/14	15:50	AT MAHARANI BAGH : CKT. TRIPPED ON 186R, 286R, 86AB AT ELECT LANE : CKT. TRIPPED ON 86B
7	09/02/14	17:00	OKHLA 220/33kV 100MVA Tx-IV	09/02/14	21:09	TR. TRIPPED ON CTR, MASTER RELAY, 86, 86, 164LV SIDE, 33KV I/C-IV TRIPPED ON 86 LV SIDE
8	09/02/14	17:22	KANJHAWALA 220/66kV 100MVA Tx-II	09/02/14	17:31	TR. TRIPPED ON 86 RELAY
9	10/02/14	14:43	KANJHAWALA 220/66kV 100MVA Tx-I	10/02/14	15:50	TR. TRIPPED ON BUCHOLZ
10	10/02/14	15:54	KANJHAWALA 220/66kV 100MVA Tx-I	10/02/14	18:20	TR. TRIPPED ON BUCHOLZ
11	11/02/14	16:07	OKHLA 33kV NEHRU PLACE CKT-I	11/02/14	16:30	CKT. TRIPPED DUE TO TRIPPING OF 100MVA PR. TR. -V
12	11/02/14	16:07	OKHLA 33kV ALAKNANDA CKT-II	11/02/14	16:30	CKT. TRIPPED DUE TO TRIPPING OF 100MVA PR. TR. -V
13	11/02/14	16:07	OKHLA 33kV EAST OF KAILASH CKT	11/02/14	16:30	CKT. TRIPPED DUE TO TRIPPING OF 100MVA PR. TR. -V
14	11/02/14	16:07	OKHLA 220/33kV 100MVA Tx-V	12/02/14	14:40	TR. TRIPPED ON DIFFERENTIAL
15	11/02/14	16:28	220kV BAMNAULI-PAPPANKALAN-II CKT-I	11/02/14	16:36	CKT. TRIPPED ON DIST PROT. BUT CVT AVAILABLE
16	11/02/14	18:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	12/02/14	14:10	TR. MADE OFF MANUALLY DUE TO SPARKING OBSERVED IN NCT EARTHING STRIP CLAMP
17	13/02/14	4:59	220kV Maharani Bagh- Electric Lane Ckt-II	13/02/14	10:12	CKT. TRIPPED ON DC FAILURE, 86 RELAY RESET.
18	14/02/14	3:35	220kV PRAGATI - I.P.CKT - I	14/02/14	18:11	AT I.P. CKT. TRIPPED ON DIST. PROT. ZONE-2, RYB PHASE, R PHASE LA DAMAGED & RYB PHASE DISC INSULATOR BROKEN AT PRAGATI CKT. TRIPPED ON DIST PROT, ZONE-2, 1.91KM
19	14/02/14	5:33	ELECTRIC LANE 220/33kV 100MVA Tx-II	14/02/14	17:36	TR. TRIPPED ON OSR, GROUP B, 295AC, 86AB, 33KV I/C-II TRIPPED ON 86A, 86B
20	14/02/14	11:02	220KV WAZIRABAD - MANDOLA CKT-II	14/02/14	11:24	AT MANDOLA CKT. TRIPPED ON POLE DISCREPANCY ON RELAY PANEL CKT. WAS CHARGED FROM WAZIRABAD END
21	14/02/14	15:08	220kV ROHINI-SHALIMARBAGH CKT-I	14/02/14	15:25	CKT. TRIPPED ON 96A, 186A
22	14/02/14	15:08	220KVBAWANA- ROHINI CKT-I	14/02/14	15:27	AT ROHINI CKT. TRIPPED ON 96A, AUTO RECLOSE, 186A, CVT AVAILABLE

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
23	14/02/14	15:08	ROHINI 220/66kV 100MVA Tx-I	14/02/14	15:25	TR. TRIPPED ON 96
24	14/02/14	15:56	ROHINI 220/66kV 100MVA Tx-I	15/02/14	18:40	TR. TRIPPED ON 96 AUTO RECLOSE
25	14/02/14	15:56	220kV ROHINI-SHALIMARBAGH CKT-I	14/02/14	19:00	AT ROHINI CKT. TRIPPED ON 186 A&B
26	14/02/14	16:19	220KVBAWANA- ROHINI CKT-I	14/02/14	18:40	AT ROHINI CKT TRIPPED ON 96 BUS BAR PROT. RELAY
27	15/02/14	1:31	220kV Maharani Bagh-Electric Lane Ckt-I	15/02/14	1:41	AT MAHARANI BAGH CKT. TRIPPED ON OVER VOLTAGE
28	15/02/14	1:41	220kV Maharani Bagh-Electric Lane Ckt-II	15/02/14	7:32	AT MAHARANIBAGH CKT. TRIPPED ON OVER VOLTAGE AT ELECTRIC LANE CVT DISAPPEAR
29	15/02/14	1:41	220KV MAHARANIBAGH-MASJID MOTH CKT-II	15/02/14	7:32	AT MAHARANIBAGH CKT. TRIPPED ON OVER VOLTAGE AT MASJID MOTH CVT DISAPPEAR
30	15/02/14	15:06	WAZIRABAD 66/11kV, 20MVA Tx-III	15/02/14	16:00	TR. TRIPPED ON 86, REF 64, RLV, DIFFERENTIAL
31	15/02/14	15:40	220kV MEHRAULI - BTPS CKT. - I	15/02/14	15:59	AT MEHRAULI CKT. TRIPPED ON ACTIVE GROUP, ABC PHASE, DIST. PROT. ZONE-2, DIST. 15.14KMS. AT BTPS CKT. TRIPPED ON B PHASE, E/F
32	17/02/14	15:16	OKHLA 220/66kV 100MVA Tx-II	17/02/14	15:36	66KV I/C-II TRIPPED ON 51 NX
33	20/02/14	18:01	OKHLA 66/11kV, 20MVA Tx-II	21/02/14	20:00	TR. TRIPPED ON 86, R PHASE CT DAMAGE
34	20/02/14	18:30	NAJAFGARH 66/11kV, 20MVA Tx-II	20/02/14	19:18	TR. TRIPPED ON O/C, 86
35	20/02/14	19:23	MUNDKA 220/66kV 160MVA Tx-II	20/02/14	19:30	TR. TRIPPED ON 86B RELAY
36	20/02/14	20:05	220KV WAZIRABAD - MANDOLA CKT-II	20/02/14	21:47	CKT. TRIPPED ON DIST. PROT, DIST. NO DATA, FUSE FAIL
37	22/02/14	12:25	OKHLA 66kV OKHLA PHASE-I CKT-II	22/02/14	12:35	WHILE ARRANGEING S/D OF 66KV BUS-2 CKT TRIPPED ON D/P,Z-1 DUE TO PT FUSE FAILURE.
38	22/02/14	12:25	OKHLA 66kV OKHLA PHASE-I CKT-I	22/02/14	12:35	WHILE ARRANGEING S/D OF 66KV BUS-2 CKT TRIPPED ON D/P,Z-1 DUE TO PT FUSE FAILURE.
39	23/02/14	6:29	NAJAFGARH 66/11kV, 20MVA Tx-II	23/02/14	19:02	TX TRIPPED ON DIFFERENTIAL PROTECTION(87).
40	23/02/14	23:22	WAZIRABAD 66/11kV, 20MVA Tx-III	24/02/14	9:26	TX TRIPPED ON 86 ALONG WITH I/C-3.
41	24/02/14	17:38	220KV WAZIRABAD - MANDOLA CKT-II	24/02/14	18:05	AT WZB CKT TRIPPED ON D/P,RY&B-PH,Z-1,DIST-1.2KM. AT MDL CKT TRIPPED ON D/P,R&Y-PH,Z-1,DIST-1.2KM.
42	25/02/14	12:20	220kV PRAGATI - SARITA VIHAR CKT	25/02/14	14:59	AT SARITA VIHAR CKT TRIPPED ON D/P, A/R, AB&C-PH, Z-1, DIST-0.966KM. NO TRIPPING AT PRAGATI
43	25/02/14	12:27	220kV MAHARANI BAGH - SARITA VIHAR CKT	25/02/14	14:55	AT MAHARANIBAGH CKT TRIPPED D/P, R,Y&B-PH,Z-2&3, DIST-9.8KM. NO TRIPPING AT SARITA VIHAR.
44	27/02/14	11:39	220kV OKHLA - BTPS CKT.- I	27/02/14	20:16	AT OKHLA CKT TRIPPED ON 67NX,86. NO TRIPPING AT BTPS. JUMPER SNAPPED AT T NO.-20
45	27/02/14	12:06	PRAGATI 220/66kV 160MVA Tx-I	27/02/14	12:45	TX TRIPPED ON 30D(OLTC OSR),SPR,30B(OIL TEMP.HIGH),30C (WINDING TEMP. HIGH),86. 66KV I/C-1 TRIPPED ON 86.
46	27/02/14	12:06	PRAGATI 220/66kV 160MVA Tx-II	27/02/14	13:08	TX TRIPPED ON 30D(OLTC OSR),SPR,30B(OIL TEMP.HIGH),30C (WINDING TEMP. HIGH),86. 66KV I/C-1 TRIPPED ON 86.
47	28/02/14	1:58	220kV Maharani Bagh-Electric Lane Ckt-I	28/02/14	2:23	CKT TRIPPED WITHOUT INDICATION.
48	28/02/14	2:10	220kV Maharani Bagh-Electric Lane Ckt-I	28/02/14	3:04	CKT TRIPPED ON GENERAL TRIP.
49	28/02/14	2:10	220KV MAHARANIBAGH-MASJID MOTH CKT-I	28/02/14	10:15	CKT TRIPPED ON TC-1,Y&B-PH FAULTY,TC-2,Y&B-PH FAULTY

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
50	28/02/14	3:07	220kV MAHARANIBAGH-MASJID MOTH CKT-II	28/02/14	7:28	AT M BAGH CKT TRIPPED ON RY&B-PH GENERAL TRIP.
51	28/02/14	3:27	ROHINI-II 220/66kV 160MVA Tx-I	28/02/14	16:00	TX TRIPPED ON 86.
52	28/02/14	19:04	220kV BAMNAULI-PAPPANKALAN-I CKT-II	28/02/14	23:57	CKT TRIPPED WITHOUT INDICATION. CB PRESSURE LOW.

19.12 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH MARCH -2014

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01/03/14	12:36	220kV BAMNAULI-PAPPANKALAN-II CKT-I	01/03/14	13:07	WHILE ARRANGING S/D OF ICT-1 AT BAMNAULI CKT TRIPPED ON 186 A&B. NO TRIPPING AT PPK-2.
2	01/03/14	14:02	220kV GOPALPUR-SUBZI MANDI CKT-II	01/03/14	15:50	AT GOPALPUR CKT TRIPPED ON D/P,Z-1,RY&B-PH, DIST-4.2KM. NO TRIPPING AT SUBZIMANDI.
3	01/03/14	14:22	SUBZI MANDI 220/33kV 100MVA Tx-II	01/03/14	15:50	BIRADGE OCCURED ON TX.
4	02/03/14	3:48	GOPALPUR 33/11kV, 16MVA Tx-I	02/03/14	3:55	11KV I/C-1 TRIPPED ON E/F,86.
5	02/03/14	9:50	220kV PRAGATI - SARITA VIHAR CKT	02/03/14	9:59	220KV BUS COUPLER TRIPPED WITHOUT INDICATION.
6	02/03/14	9:50	SARITA VIHAR 220/66kV 100MVA Tx-II	02/03/14	10:03	TX TRIPPED ON BUS BAR PROTECTION.
7	02/03/14	12:32	GEETA COLONY 220/33kV 100MVA Tx-I	02/03/14	16:23	TX TRIPPED ON BIRDAGE.
8	04/03/14	12:35	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	04/03/14	17:50	33KV I/C-II TRIPPED ON E/F, CT TOP Y PHASE OF BAY -1 (KILOKARI) MENTED
9	05/03/14	12:33	220kV GOPALPUR-MANDOLACKT-II	05/03/14	16:53	AT MANDOLA CKT. TRIPPED ON B PHASE ZONE-I 17.9KM AT GOPALPUR GEN. TRIP, ZONE -1, 4.3KM RY PHASE
10	05/03/14	19:39	220kV GOPALPUR-MANDOLACKT-I	05/03/14	20:55	CKT. TRIPPED IN STORM AT GOPALPUR CKT. TRIPPED ON ZONE-I, LOOP-III, DIST OKMS. AT MANDOLA ZONE-II, DIST PROT., DIST. 20.16KMS.
11	06/03/14	17:59	PRAGATI 220/66kV 160MVA Tx-I	06/03/14	18:12	TR. TRIPPED ON 86, 86, 30D, OLTC TRIP, 30B OL TRIP HIGH WINDING TEMP.
12	06/03/14	17:59	PRAGATI 220/66kV 160MVA Tx-II	06/03/14	18:20	TR. TRIPPED ON OLTC, BUCHOLZ, PRV, 30E, 30D, HIGH WINDING TEMP, 86, 86
13	07/03/14	11:09	220kV Maharani Bagh-Electric Lane Ckt-II	07/03/14	14:44	AT MAHARANI BAGH CKT. TRIPPED ON 86 A&B,TRIP CKT R & B PHASE FAULTY DIFFERENTIAL RELAY AT ELECTRIC LANE NO TRIPPING
14	07/03/14	13:19	220kV OKHLA - BTPS CKT.-I	07/03/14	19:12	AT BTPS : CKT. TRIPPED ON Y PHASE E/F, DISTANCE 3.1KMS AT OKHLA RYB PHSAE DISTANCE ZONE -1, DISTANCE 2.94KMS
15	09/03/14	13:02	220kV GAZIPUR - BTPS CKT	09/03/14	13:17	AT GAZIPUR : NO TRIPPING AT BTPS : CKT. TRIPPED ON R PHASE, E/F
16	10/03/14	22:58	OKHLA 33kV BALAJI CKT-II	10/03/14	23:00	CKT. MADE OFF MANUALLY DUE TO SPARKING OBSERVED AT ISOLATOR
17	11/03/14	13:13	TRAUMA CENTER 220/33kV 100MVA Tx-I	11/03/14	18:23	TR. TRIPPED ON BUCHOLZ RELAY & OLTC ALARM
18	11/03/14	22:25	PRAGATI 220/66kV 160MVA Tx-I	11/03/14	22:35	TR. TRIPPED ON 96 BCA, 66KV I/C-I TRIPPED ON INTER TRIPPING
19	11/03/14	22:25	PRAGATI 220/66kV 160MVA Tx-II	11/03/14	22:38	TR. TRIPPED ON 96T, 66KV I/C-II TRIPPED ON INTER TRIPPING
20	11/03/14	22:25	220 KV PATPARGANJ - I.P. CKT-I	11/03/14	23:36	AT PATPARGANJ : CKT. TRIPPED ON DIRECTIONAL EARTH FAULT AT I.P.STN. : NO TRIPPING

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
21	11/03/14	22:25	220kV PRAGATI - PARK STREET CKT-I	11/03/14	23:48	AT PRAGATI : CKT. TRIPPED ON 96, 96, 295C AT : PARK STREET : NO TRIPPING
22	11/03/14	22:25	220kV PRAGATI - I.P.CKT - I	12/03/14	0:03	AT PRAGATI : CKT. TRIPPED ON DIST. PROT. ZONE-I, DISTANCE 99.74MTS. , ABC PHASE 96F, 86T, 87T, TRIP AT I.P. : CKT. TRIPPED ON E/F, 86T
23	12/03/14	14:55	GAZIPUR 220/66kV 100MVA Tx-I	12/03/14	17:55	TR. TRIPPED WHILE PROT. DEPTT CHECKING PROTECION RELAY ON TRIP CKT. SUPERVISION RELAY
24	14/03/14	15:45	220kV MEHRAULI - VASANT KUNJ CKT.- II	14/03/14	15:58	CKT. TRIPPED ON 186 A&B, 96
25	14/03/14	18:01	220KV WAZIRABAD - MANDOLA CKT-II	14/03/14	18:11	CKT. TRIPPED WITHOUT INDICATION, CVT AVAILABLE AT WAZIRABAD
26	15/03/14	14:23	220KV BAWANA-SHALIMARBAGH CKT-I	15/03/14	14:45	AT SHALIMARBAGH : CKT. TRIPPED ON DIST. PROT. ZONE -I A PHASE, 186A AT BAWANA CKT. TRIPPED ON 186A, 186B, DIST. PROT, A PHASE
27	15/03/14	18:27	220kV GOPALPUR-MANDOLACKT-II	15/03/14	22:47	AT GOPALPUR CKT. TRIPPED ON RYB PHASE, L3N, ZONE-1, 1.8KM AT MANDOLA : 86RYB PHASE, 186 RB PHSE, ZONE 1, 20KM
28	17/03/14	8:21	PARKSTREET 220/33kV 100MVA Tx-II	17/03/14	8:39	TR. TRIPPED ON 86A, 86A, DUE TO ELECTROCUTION OF MONKEY
29	17/03/14	8:21	PARKSTREET 220/33kV 100MVA Tx-I	17/03/14	8:39	TR. TRIPPED ON 86A, 86A, DUE TO ELECTROCUTION OF MONKEY
30	18/03/14	17:10	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-1	18/03/14	17:25	CKT. TRIPPED ON UNDER VOLTAGE / REF
31	19/03/14	20:17	GAZIPUR 220/66kV 100MVA Tx-II	20/03/14	1:35	66KV I/C-II TRIPPED ON O/C 86 WITH 66KV BUS COUPLER
32	21/03/14	16:58	ELECTRIC LANE 220/33kV 100MVA Tx-I	21/03/14	17:19	100MVA PR. TR. -I ALONGWITH 33KV I/C-I TRIPPED ON 86
33	22/03/14	10:48	220 KV PATPARGANJ - I.P. CKT-I	22/03/14	11:00	AT I.P. CKT. TRIPPED WITHOUT INDICATION AT PATPARGANJ NO TRIPPING
34	23/03/14	12:05	220kV BAMNAULI-PAPPANKALAN-I CKT-II	23/03/14	12:22	AT BAMNAULI CKT. TRIPPE DON DIST. PROT. B PHASE 186A&B AT PAPANKALAN -I ONLY SUPPLY FAIL
35	24/03/14	4:02	ROHINI-II 220/66kV 160MVA Tx-I	24/03/14	6:56	TR. TRIPPED ON 89A, E, LV 86B
36	24/03/14	15:03	220kV GAZIPUR - BTPS CKT	24/03/14	18:10	AT GAZIPUR CKT. TRIPPED ON DIST. PROT. ZONE A AT BTPS CKT. TRIPPED ON R PHASE , E/F , DIST. PROT. 16.6KM
37	24/03/14	19:42	MEHRAULI 220/66kV 160MVA Tx-I	24/03/14	21:12	TR. & I/C-IV TRIPPED ON REF HV OPERATED, 186, 186 RELAY ON I/C-IV O/C , E/F
38	25/03/14	3:18	PAPPANKALAN-I 66/11kV, 20MVA Tx-III	25/03/14	3:50	11KV I/C-III TRIPPED ON 86, SMOKE OBSERVED IN R PHASE O/C RELAY
39	29/03/14	1:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	29/03/14	20:50	TR. TRIPPED ON DIFFERENTIAL TRIP, R, Y, B PHASE, LOCKOUT 86
40	29/03/14	11:22	220kV PRAGATI - SARITA VIHAR CKT	29/03/14	11:35	CKT. TRIPPED ON A/R, 186A & B, ABC PHASE, ZONE-1, DISTANCE 5.469KMS.