



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

2008-09

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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.

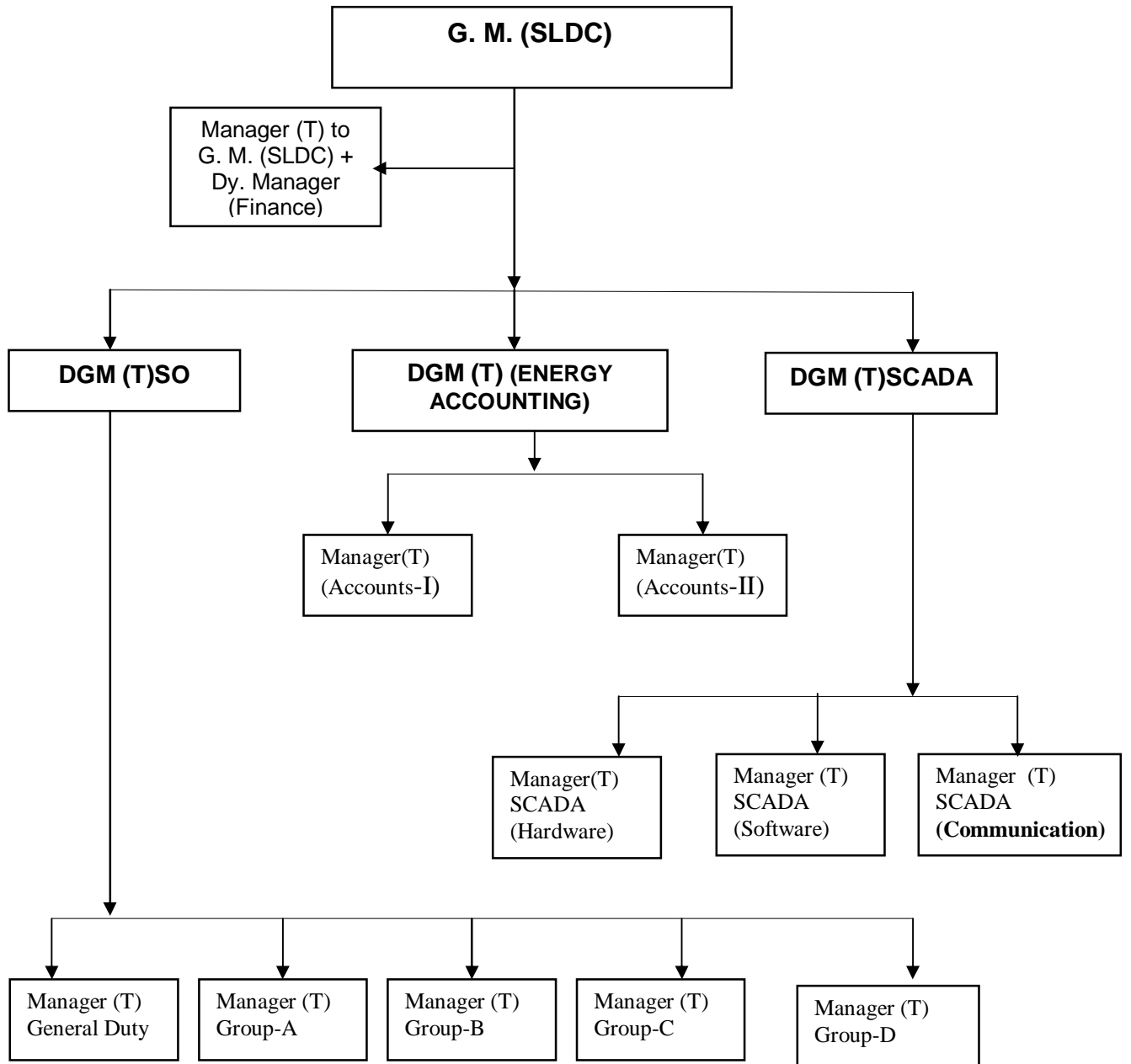
After the enactment of Electricity Act 2003, a new department under the name and style of **State Load Despatch Centre (SLDC)** under Delhi Transco Limited was created, as an Apex body to ensure integrated operation of the power system in Delhi. Earlier the department was part of O&M Department of Delhi 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.

It's mission is to facilitate intra and inter state transfer of power with Responsibility, Security and Economy on sound commercial principles.

LICENSEES OPERATING IN DELHI POWER SYSTEM

- 1) DELHI TRANSCO LTD. : TRANSMISSION LICENSEE
(STU, DELHI)
- 2) INDRAPRASTHA POWER GENERATING : GENERATING LICENSEE
COMPANY
- 3) PRAGATI POWER CORPORATION LTD. : GENERATING LICENSEE
- 4) BSES RAJDHANI POWER LTD. : DISTRIBUTION LICENSEE
- 5) BSES YAMUNA POWER LTD. : DISTRIBUTION LICENSEE
- 6) NORTH DELHI POWER LTD. : DISTRIBUTION LICENSEE
- 7) NEW DELHI MUNICIPAL COUNCIL : DEEMED DISTRIBUTION
LICENSEE
- 8) MILITARY ENGINEERING SERVICE : DEEMED DISTRIBUTION
LICENSEE

2 ORGANISATIONAL SETUP OF SLDC DEPARTMENT



3 Functions of various circles of SLDC

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

3.1 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 round the clock under the overall supervision and control of Dy.G.M.(S.O).

3.2 Supervisory Control and Data Acquisition (SCADA)

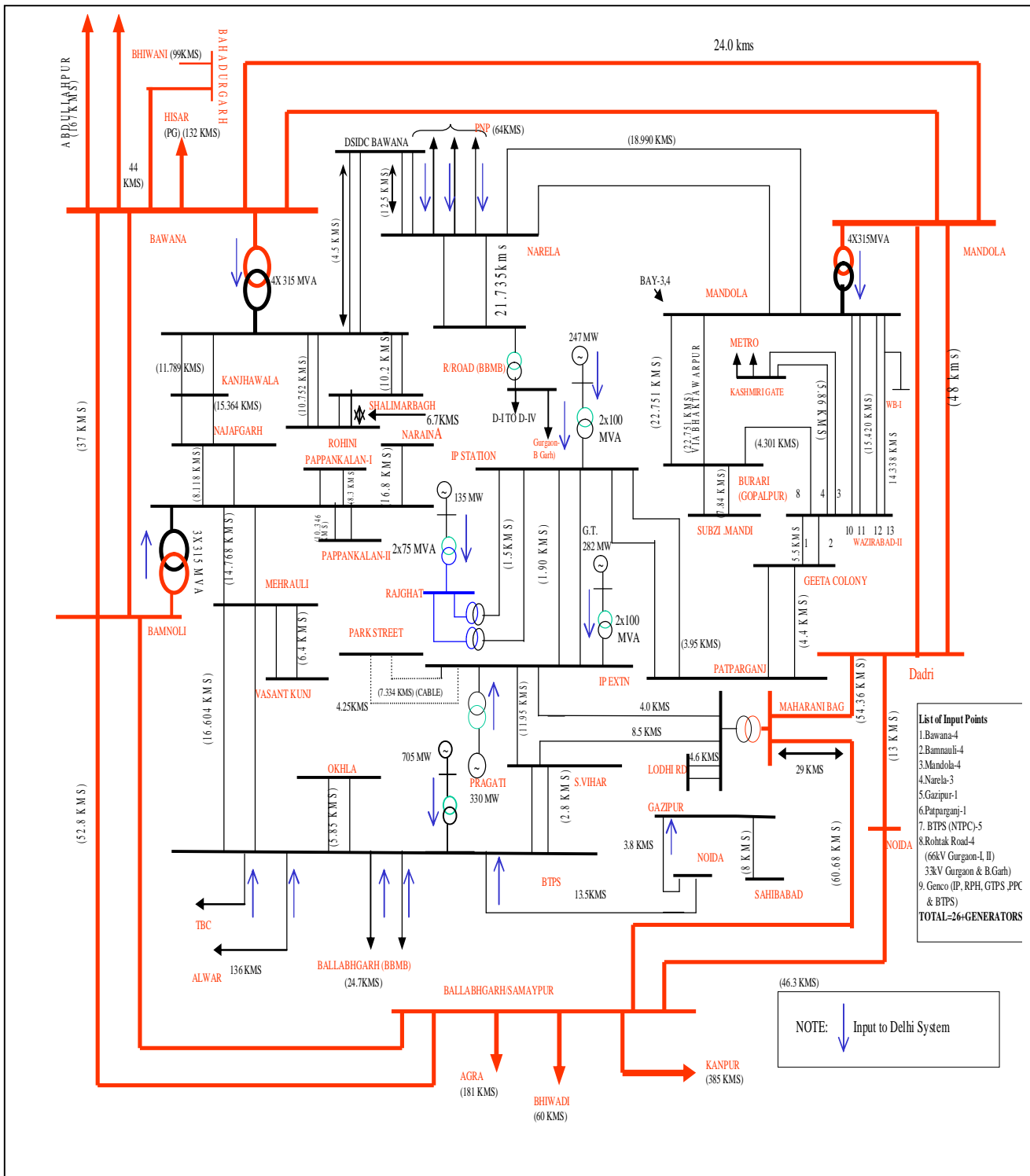
SLDC has a state of art Load despatch centre having SCADA (Supervisor Control And Data Acquisition System) for retrieving information from generating stations and grid sub stations consisting of analog data (like Mega Watt, Voltage, Current, MVar) and digital status of various elements (like Circuit 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 division of SCADA. The software sub division of SCADA has developed in-house softwares for various activities. Recently scheduling software as per ABT, energy accounting and the transmission system availability have been developed and are in use.

3.3 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 to prepare weekly UI Accounts as per Intrastate UI bills and Reactive Energy transactions. At present, this circle's responsibilities are being discharged by System Operation circle.

3.4 Single Line Diagram of Delhi Power System



- | List of Input Points | |
|----------------------------|---------------------------------------------------------------|
| 1. | Bawana-4 |
| 2. | Bamnauli-4 |
| 3. | Mandola-4 |
| 4. | Narela-3 |
| 5. | Gazipur-1 |
| 6. | Patparganj-1 |
| 7. | BTPS (NTPC)-5 |
| 8. | Rohitak Road-4
(66kV Gurgaon-I, II)
33kV Rupa & B.Garh) |
| 9. | Genco (IP, RPH, GTPS, PPC
& BTPS) |
| TOTAL=26-GENERATORS | |

NOTE: ↓ Input to Delhi System

4 MAJOR ACTIVITIES OF SLDC DURING 2008-09.

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 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**

4.1 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 generating units and 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.

4.2 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 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.

4.3 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.

4.4 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 twice 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.	12.09.08	General issues regarding finalization of conduct of Business Rules for GCC, Connectivity issues between Discoms and SLDC, Reactive Power Drawal at Inter Exchange Points, Protection Coordination needs, Integration of Status of Protection relays in SCADA system were discussed.
2.	25.11.08	Conduct of Business Rules for GCC have been finalized. Various Sub-committees of GCC have been formed. Preliminary discussions on draft Metering Procedure and Protection Plans prepared by STU have been held and decided to refer back to the respective sub-committees for further discussion and finalization. All stakeholders have been advised to work on the modalities for provision of data connectivity with SLDC as envisaged in the Connectivity Standards Regulations issued by Central Electricity Authority on 21.02.2007 and as indicated in the Delhi Grid Code notified on 22.04.2008.

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)
01	01.05.2008	The inter discom transfer of surplus power arising out capacity allocation has been decided to be done on actual basis as decided by SLDC to avoid any possible gaming etc. The methodology for apportionment of congestion charges covering the period 28.01.08 to 03.02.08 (Week-45/2007-08) among the intrastate utilities have been decided. The transmission at intrastate level was decided to be adopted as 1.36% based on the actual losses for the period April 2007 to February 2008.
02	06.05.2008	The methodology of inter discom transfer of surplus power arising out of capacity allocation has been decided to continue.
03	04.06.2008	The accounting methodology of intra discom surplus power arising out of long term allocation has been finalized. STU Charges for open access transaction for the year 2008-09 has been fixed as Rs. 18.20/MWH from 1 st October 2008.
04	19.06.2008	The intrastate transmission losses as been fixed as 1.5% from 00.00hrs on 30.06.2008 for scheduling purposes. To avoid operation difficulties and to ensure the continuous availability of IPGCL's GT Station's units converted into liquid fuel operation, it was decided to operate the units minimum two hours per day during peak hours. The reconciliation of intra state UI bills for 2007-08 has been finalized.

S. No.	Date of meeting	Discussions and Decision on the issue(s)
05	17.07.2008	<p>Strategies to be adopted by Delhi Utilities on the proposal of Power Grid Corporation to meet the expenditure for changing the porcelain insulator to Polymer Insulator to avoid the trippings during foggy weather conditions have been finalized. The view points of the stakeholders were as under :-</p> <p>The expenditure to be incurred on this account should be under R&M Expenses and hence to be capitalized. The amount capitalized should be recovered through tariff setting process under the due scrutiny by the appropriate Electricity Regulatory Commission. The 25% transmission charges collected as part of open access charges retained by Powergrid from 06.05.2004 (the date of implemented of Open Access in inter state transmission system in the country) can be utilized by Powergrid as funding for the project and for the balance amount could be recovered from depreciated cost of porcelain insulators (replaced in process) which can be used in construction of future by Power Grid Lines and can be capitalized as R&M Work so that the tariff impact due to change of porcelain insulators with Polymer insulators could be minimized.</p>
06	07.08.2008	<p>It was decided to distribute the accumulated UI Cap amount to the constituents of Intra State ABT in proportion to the UI dues of 2007-08. It was also decided UI Cap amount would be distributed to the constituents based on the outstanding dues based on 2007-08 up the week from future bills also. The interest accrued on UI account maintained by SLDC has also been decided to distribute in same way. The operational strategies to be adopted to meet the contingencies of trippings of transmission lines on 15.08.2008 (Independence Day) due to kite flying activities have been finalized.</p> <p>BTPS authorities who have proposed the phasing out of Stage-1 unit (95MW) capacity at BTPS have been requested to work out detailed proposals indicating the probable tariff and cost benefit analysis to put the same before GCC for its consideration.</p>
07	22.08.2008	<p>This meeting was hosted by BTPS. Metering Procedure documents have been analyzed. Detailed discussions on Protection Plan formulated by DTL have been analyzed. Distribution Licensees were indicated about their reactive power drawal during low voltage regime and need to curb the same was stressed. The preliminary discussions on closure of IP Units were also held. The preliminary discussions for replacing Stage-I unit (95MW) capacity at BTPS were also held.</p>
08	06.10.2008 & 10.10.2008	<p>The draft Metering Procedure prepared by DTL (STU) has been discussed thread bear and was decided to submit the finalized document to GCC for its approval.</p>
09	24.12.2008	<p>The scheduling and dispatch procedure as required vide Clause 31.1 of Delhi Grid Code has been finalized.</p>

5. SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	2007-08	2008-09
1	Effective Generation Capacity within Delhi in MW		
	Indraprastha Power Station	247.5	247.5
	Rajghat Power House	135	135
	Gas Turbine	282	270
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	700
	Total	1699.5	1682.5
2	Maximum Unrestricted Demand (MW)	4075	4034
	Date	11.06.2007	24.07.2008
	Time	16:00hrs	15:06:36
3	Peak Demand met (MW)	4030	4036
	Date	11.06.2007	24.07.2008
	Time	16:2 0hrs	15:06:36
4	Peak Availability (MW)	3782	3558
5	Shortage (-) / Surplus (+) in MW	(-)247	(-)476
6	Percentage Shortage (-) / Surplus (+)	(-)6.13	(-)11.65
7	Maximum Energy Consume in a day (Mus)	85.075	82.196
		11.06.07	
8	Energy Consumed during the year	22370	22006
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	20.283	39.227
ii)	Load Shedding by		
	NDPL	38.393	15.140
	BRPL	20.077	16.960
	BYPL	14.803	4.905
	NDMC	0.000	0.000
	MES	0.000	0.000
iii)	Due to Transmission Constraints in Central Sector System	0.213	0.709
	Total due to Grid Restriction	93.769	76.941
B)	Due to Constraints in System & in Mus		
	DTL	7.591	7.057
	NDPL	14.782	15.681
	BRPL	13.066	24.787
	BYPL	5.432	2.840
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	1.478	0.677
	Total	42.349	51.042
11	Grand Total in Mus (Load Shedding)	136.118	127.983
12	Load shedding in percentage of Energy Consumption	0.61	0.58

6. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING YEAR 2008-09

Power Station	Effective Capacity (MW)	Actual Generation In MUs	%age Availability	% PLF
IP TPS	247.5	835.810	42.64	42.45
Rajghat TPS	135	757.430	71.89	71.89
Gas Turbine	270	1242.596	70.14	52.98
PPCL	330	2336.494	85.41	82.27
BTPS	705	4953.200	94.48	91.45

7. DETAILS OF OUTAGES OF GENERATING STATIONS WITHIN DELHI FOR 2008-09

7.1 IP STATION

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	62.5	16.04.08	00:10	17.04.08	02:20	Boiler Tube Leakage
		17.04.08	06:55	17.04.08	13:05	Fire problem in turbine side
		27.04.08	10:28	30.04.08	15:27	Boiler Tube Leakage
		15.06.08	18:55	18.06.08	23:35	Boiler Tube Leakage
		19.06.08	01:35	20.06.08	06:20	Boiler Tube Leakage
		27.06.08	15:10	27.06.08	18:52	Problem in governor
		06.07.08	02:50	08.07.08	11:27	Boiler Tube Leakage
		15.07.08	11:50	15.07.08	20:12	Stopped due to no coal flow
		23.07.08	6:20	25.07.08	16:53	Boiler Tube Leakage
		28.07.08	16:15	28.07.08	17:30	System Failure
		01.09.08	0:00	02.09.08	19:30	Boiler Tube Leakage
		03.09.08	5:43	04.09.08	15:15	Boiler Tube Leakage
		16.09.08	11:45	30.09.08	24:00	Major Overhauling
		10.12.08	16:05	10.12.08	21:50	Stopped for hydrogen filling
		16.12.08	06:20	18.12.08	03:30	Boiler Tube Leakage
		21.12.08	03:36	21.12.08	07:48	Tripped due to tripping of associated transmission lines
		24.12.08	11:50	26.12.08	04:00	Boiler Tube Leakage
		05.01.09	07:40	06.01.09	08:20	Boiler Tube Leakage
		07.01.09	12:24	07.01.09	15:17	Air refilling pipe line leakage
		18.01.09	03:10	19.01.09	03:50	Boiler Tube Leakage
09.03.09	12:18	11.03.09	10:20	Boiler Tube Leakage		
15.03.09	07:38	15.03.09	08:38	Feed Pump Problem		
3	62.5	29.04.08	18:44	04.05.08	01:52	Boiler Tube Leakage
		05.06.08	16:15	05.06.08	16:42	To attend generator field grounding
		05.06.08	16:58	05.06.08	18:02	Electrical problem

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	62.5	24.06.08	06:05	27.06.08	09:05	Boiler Tube Leakage
		01.07.08	0:00	04.07.08	16:05	Boiler Tube Leakage
		28.07.08	16:15	28.07.08	18:04	System Disturbance
		05.09.08	5:45	23.09.08	13:25	Boiler casing repairing
		23.09.08	14:25	23.09.08	15:35	Electrical Fault
		23.09.08	17:50	26.09.08	11:42	Boiler Tube Leakage
		06.10.08	03:20	06.10.08	07:43	Problem in coal mill
		16.10.08	15:45	16.10.08	19:17	Due to jerk in system
		18.10.08	09:58	21.10.08	14:45	Boiler Tube Leakage
		03.11.08	20:57	06.11.08	06:10	Boiler Tube Leakage
		20.11.08	15:25	22.11.08	09:02	Boiler Tube Leakage
		23.11.08	14:08	23.11.08	21:40	Fire in boiler
		27.11.08	16:48	27.11.08	20:32	Boiler problem.
		08.12.08	21:40	11.12.08	03:02	Boiler Tube Leakage
		21.12.08	03:36	21.12.08	05:50	Tripped due to tripping of associated transmission lines
		30.12.08	21:30	31.12.08	01:15	Loss of excitation field.
		04.01.09	04:12	04.01.09	03:35	Tripped due to jerk
		16.01.09	13:42	16.01.09	21:30	To attend bottom seal
		18.01.09	22:50	19.01.09	07:05	Loss of excitation
		29.01.09	22:40	02.02.09	14:03	Boiler Tube Leakage
04.02.09	10:00	05.02.09	05:38	Electrical fault.		
17.02.09	14:32	17.02.09	16:25	Boiler Tyre Caught Fire		
26.02.09	14:25	01.03.09	13:50	DM water tank level low		
12.03.09	21:40	15.03.09	01:55	Boiler Tube Leakage		
23.03.09	14:07	23.03.09	18:52	Boiler bottom end problem		
4	62.5	19.04.08	00:40	20.04.08	13:08	Boiler Tube Leakage
		25.04.08	10:35	25.04.08	14:15	For Transformer commissioning
		26.04.08	14:32	26.04.08	19:00	Electrical problem
		27.04.08	02:20	28.04.08	02:15	Boiler Tube Leakage
		21.05.08	12:45	21.05.08	14:35	Boiler Tube Leakage
		08.06.08	10:14	08.06.08	13:10	Fire in coal mill
		24.06.08	20:37	24.06.08	22:55	Boiler Tube Leakage
		26.06.08	00:08	28.06.08	07:30	Boiler Tube Leakage
		30.06.08	11:10	30.06.08	13:10	Due to Electrical fault
		07.07.08	10:31	09.07.08	10:35	Boiler Tube Leakage
		11.07.08	18:09	11.07.08	18:57	Electrical fault
		14.07.08	09:40	14.07.08	10:18	Due to Hunting
		15.07.08	11:35	15.07.08	16:30	Fire Out
		28.07.08	16:15	28.07.08	18:50	System Disturbance
		03.09.08	1:35	05.09.08	2:30	Boiler Tube Leakage
		05.09.08	2:46	05.09.08	4:00	Electrical Fault
		30.09.08	1:40	30.09.08	24:00	Boiler Tube Leakage
		16.10.08	15:45	16.10.08	18:22	Tripped due to tripping of associated transmission lines
		23.10.08	14:07	25.10.08	04:07	Main cooling line problem
		05.11.08	08:25	05.04.08	09:45	Due to tripping of Bus-II
12.11.08	10:58	12.11.08	13:25	Loss of excitation field.		

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	62.5	21.11.08	14.30	21.11.08	16.35	Main oil leakage
		19.12.08	18.25	23.12.08	06.30	Boiler tube leakage
		03.01.09	20.35	07.01.09	03.30	Boiler Tube Leakage
		07.01.09	11.58	07.01.09	23.00	Fire in boiler
		17.01.09	00.30	18.01.09	00.25	Boiler Tube Leakage
		19.01.09	15.48	19.01.09	17.40	To attend control valve
		15.02.09	12.40	17.02.09	12.45	Boiler Tube Leakage
		08.03.09	15.30	10.03.09	04.30	Kaising Burst.
		10.03.09	08.55	14.03.09	10.07	Boiler Tube Leakage
17.03.09	02.30	18.03.09	03.00	Boiler Tube Leakage		
5	60	07.04.08	22:30	08.04.08	15:27	Condenser vacuum problem
		11.04.08	20:10	13.04.08	07:30	Boiler Tube Leakage
		17.04.08	14:28	17.04.08	19:16	Boiler Tube Leakage
		23.04.08	00:28	29.04.08	04:55	Tripped due to fire in FD
		29.04.08	16:28	29.04.08	19:25	Buchholz relay tripped
		04.05.08	07:50	04.05.08	16:00	Mill problem
		06.05.08	06:01	11.05.08	20:25	Heavy oil leakage in turbine
		13.05.08	11:20	13.05.08	15:25	Oil leakage in turbine relief valve
		16.05.08	20:20	18.05.08	02:05	Electrical problem
		22.05.08	15:20	22.05.08	16:10	Boiler feed pump problem
		24.05.08	10:03	03.06.08	00:02	Heavy oil leakage in main oil tank
		18.06.08	20:04	23.06.08	12:50	Boiler Tube Leakage
		23.06.08	14:28	23.06.08	15:15	Electrical Problem
		24.06.08	09:50	24.06.08	11:25	Electrical Problem
		24.06.08	16:37	24.06.08	17:50	Aux. supply failure
		24.06.08	20:30	11.07.08	10:02	Boiler Tube Leakage
		01.07.08	0.00	11.07.08	10.20	Boiler Tube Leakage
		11.07.08	18.10	11.07.08	20.30	Electrical Fault
		14.07.08	10.50	14.07.08	22.07	Furnace disturbance
		15.07.08	14.20	22.07.08	12.40	Steam leakage
		22.07.08	17.34	22.07.08	18.34	Electrical Fault
		28.07.08	16.15	28.07.08	21.20	System failure
		30.07.08	4.20	30.07.08	5.20	Tripping of Breaker
		31.07.08	12.35	31.07.08	20.35	Steam Leakage
		31.07.08	20.40	31.07.08	20.55	Low Vacuum
		01.08.08	20:20	09.08.08	0:35	Boiler Tube Leakage
		10.08.08	5:50	12.08.08	8:10	Boiler Tube Leakage
		13.08.08	22:50	19.08.08	5:35	Boiler Tube Leakage
		20.08.08	13:34	20.08.08	16:04	Oil pump tripped
		21.08.08	15:30	21.08.08	16:18	Electrical fault
		25.08.08	19:45	28.08.08	1:10	Boiler Tube Leakage
		28.08.08	01:20	28.08.08	1.40	Electrical supply failure
		28.08.08	14.17	30.08.08	9.1	Tripping of B F pump
03.09.08	20.10	05.09.08	10.15	Smoke observed in condensate pump 5-2 motor.		
14.09.08	23.03	15.09.08	0.50	To attend water mixing in oil of condensate pump 5-2.		
18.09.08	10.42	18.09.08	15.00			
19.09.08	0.07	20.09.08	23.59	Due to boiler furnace pressurized as ID fan 5-2 stopped.		

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	60	24.09.08	5.33	24.09.08	13.28	Due to chocking of air coolers of B.F.Pump 5-2.
		27.09.08	14.03	27.09.08	19.23	Heavy leakage in cooling water line
		28.09.08	12.50	30.09.08	24.00	Boiler Tube Leakage
		02.10.08	16.30	02.10.08	17.35	Boiler feed pump problem
		05.10.08	10.45	05.10.08	19.35	Leakage in main oil pump
		05.10.08	21.27	12.10.08	03.14	Electrical fault.
		15.10.08	11.58	15.10.08	12.20	Control supply failed.
		16.10.08	15.55	16.10.08	16.53	Tripped due to tripping of associated transmission lines
		25.10.08	09.02	26.10.08	03.40	Boiler tube leakage
		10.11.08	04.25	11.11.08	11.50	Bearing temperature high and problem in ID Fan
		12.11.08	00.25	12.11.08	19.35	Heavy water leakage in boiler feedpump.
		13.11.08	15.27	19.11.08	21.00	Due to problem in ID Fan
		23.11.08	21.05	28.11.08	02.02	Boiler tube leakage
		04.12.08	12.50	04.12.08	13.31	Due to fire
		08.12.08	04.50	08.12.08	23.25	Spark in condenser.
		13.12.08	19.00	16.12.08	04.15	Boiler tube leakage
		21.12.08	03.36	21.12.08	05.20	Due to grid disturbance
		30.12.08	18.47	03.01.09	13.30	Boiler tube leakage
		05.01.09	13.45	28.01.09	03.07	Boiler Tube Leakage
		28.01.09	11.50	28.01.09	16.10	To attend boiler feed pump
		06.02.09	19.45	13.02.09	04.00	Vapour fan bearing shaft problem
		21.02.09	10.05	25.02.09	18.28	Boiler Tube Leakage
		27.02.09	10.32	27.02.09	13.27	To attend cooler of boiler feed pump
		27.02.09	22.27	01.03.09	15.20	Condenser tube leakage
		06.03.09	04.28	09.03.09	05.30	Boiler Tube Leakage
		09.03.09	05.40	09.03.09	06.07	Problem in boiler feed pump
		11.03.09	19.02	12.03.09	01.28	Coal mill problem
		12.03.09	22.10	13.03.09	11.13	Coal mill problem
31.03.09	04.03	04.04.09	05.58	Electronic Trip Device Alarm		

7.2 RPH STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	04.04.08	16:55	04.04.08	18:25	Generator problem
		08.05.08	12:13	08.05.08	14:01	Electrical problem
		14.05.08	17:52	15.05.08	06:20	Turbine tube leakage
		30.05.08	21:44	30.05.08	23:00	Boiler flame failure
		01.06.08	10:50	01.06.08	11:38	Tripping
		13.07.08	01:55	13.07.08	03:30	Due to Flame failure
		14.07.08	13:46	14.07.08	14:50	Due to Flame failure
		15.07.08	08:41	15.07.08	09:35	Due to Flame failure
		28.07.08	16:20	28.07.08	17:57	Boiler Tube Leakage
		30.07.08	19:18	01.08.08	16:50	Drum level low
		01.08.08	17:40	01.08.08	18:14	Drum level low
		09.08.08	10:21	09.08.08	10:54	Flame failure
		11.08.08	04:22	11.08.08	05:44	Control supply problem
		25.08.08	17:42	27.08.08	16:49	High furnace pressure

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	29.08.08	17:22	29.08.08	17:57	Boiler M.C.C. Trip
		30.08.08	08:35	30.08.08	09:21	Furnace Pressure high
		30.08.08	09:27	30.08.08	09:45	Drum level low
		04.09.08	23:30	05.09.08	10:20	Condenser Tube Leakage
		04.10.08	07:20	04.10.08	08:10	Transient fault
		11.10.08	13:46	13.10.08	06:34	Boiler tube leakage
		13.10.08	23:26	14.10.08	02:45	Heater main meter problem.
		16.10.08	15:55	16.10.08	17:16	Due to jerk in system.
		19.10.08	11:15	24.10.08	03:03	Thrust bearing temp high
		08.11.08	16:42	08.11.08	17:45	Electrical fault.
		08.11.08	18:53	08.11.08	20:18	Electrical fault.
		23.11.08	10:57	23.11.08	11:38	Condenser vacuum very low
		11.12.08	16:26	11.12.08	17:29	Thrust bearing temp high
		15.12.08	16:40	16.12.08	05:42	Condenser tube leakage
		21.12.08	03:35	21.12.08	05:15	Tripped due to tripping of associated transmission lines
		02.01.09	01:59	02.01.09	03:19	Flame failure
		02.01.09	10:45	02.01.09	20:43	33kV Bus differential
		03.01.09	05:08	03.01.09	05:57	Flame failure
		04.01.09	05:28	04.01.09	06:50	Drum level low
		10.01.09	03:27	10.01.09	05:43	Electrical fault.
		11.01.09	19:26	12.01.09	05:55	Air heater main coupling
		26.01.09	14:00	26.01.09	14:45	Turbine shaft vibration
		17.02.09	09:29	17.02.09	10:15	ID Fan Problem
		27.02.09	11:15	27.02.09	12:33	33kV bus differential operation
		11.03.09	12:50	11.03.09	14:06	33kV bus differential operation
		14.03.09	09:06	14.03.09	09:58	C&I Problem
31.03.09	13:23	31.03.09	14:10	Tripped due to tripping of associated transmission lines		
2	67.5	04.04.08	08:56	04.04.08	11:17	Technical problem
		09.04.08	08:15	10.04.08	09:42	Boiler tube leakage
		19.05.08	16:06	22.05.08	03:10	Boiler tube leakage
		08.06.08	23:54	09.06.08	01:55	Condenser feed pump tripped
		12.06.08	10:29	14.06.08	19:50	Turbine shaft vibration high
		18.06.08	01:27	22.06.08	20:06	Main oil pump
		20.07.08	16:36	20.07.08	18:54	Control panel supply out
		28.07.08	16:20	28.07.08	18:15	System Disturbance
		06.09.08	20:25	06.09.08	21:35	Technical problem
		08.09.08	22:12	10.09.08	13:23	Tube leakage in Super heater
		13.09.08	10:30	13.09.08	21:15	Condenser Tube Leakage
		27.09.08	22:38	29.09.08	01:58	Boiler tube leakage
		16.10.08	15:55	16.10.08	17:37	Tripped due to tripping of associated transmission lines
		18.10.08	13:06	18.10.08	13:59	Loss of Excitation
		25.10.08	12:49	25.10.08	13:57	Tripped on jerk
		21.11.08	01:10	21.11.08	22:12	Leakage at turbine side.

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	21.12.08	03.35	21.12.08	08.01	Due to tripping of various 400/220kV lines in Northern Region due to fog
		21.12.08	08.05	21.12.08	09.55	
		27.12.08	02.08	27.12.08	03.55	Turbine trip
		02.01.09	05.44	02.01.09	07.058	Turbine trip.
		02.01.09	10.45	02.01.09	18.15	33kV Bus differential
		05.01.09	10.01	06.01.09	01.20	Boiler tube leakage
		07.01.09	06.54	07.01.09	08.19	Electrical problem
		07.01.09	10.07	07.01.09	13.30	Excitation problem.
		11.01.09	08.37	11.01.09	20.11	Condenser tube leakage
		10.02.09	07.26			Turbine shaft vibration
		27.02.09	11.15	27.02.09	12.52	33kV Bus differential
		03.03.09	18.15	03.03.09	19.06	Electrical fault
		10.03.09	17.35	11.03.09	06.44	Condenser tube leakage
		1.03.09	00.31	16.03.09	15.40	Boiler tube leakage
		19.03.09	11.27	20.03.09	08.56	Problem in oil cooler

7.3 GT STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	09.04.08	12:01	09.04.08	14:27	Hydraulic supply pressure low.
		29.04.08	15:37	29.04.08	22:10	High Lube oil temperature
		02.05.08	23:30	02.05.08	23:59	Stopped for maintenance
		17.06.08	19:32	18.06.08	18:15	Stopped due to gas restriction
		20.06.08	20:45	20.06.08	23:59	Stopped due to gas restriction
		20.07.08	07:50	20.07.08	08:25	Turbine Air Differential high
		20.07.08	09:20	20.07.08	23:03	Stopped to attend TAD
		03.08.08	14:20	03.08.08	15:32	Hydraulic trip
		03.08.08	15:35	03.08.08	17:57	Tripped on generator trip alarm
		05.08.08	10:52	05.08.08	18:15	Stopped as per system control message
		09.08.08	09:15	09.08.08	10:40	Tripped on gas fuel pressure low
		13.08.08	12:14	13.08.08	21:10	Swapping of gas to PPCL
		14.08.08	18:45	15.08.08	20:55	Gas restriction
		24.09.08	14:57	30.09.08	01:35	Tripped on Stator Earth fault
		05.10.08	19:40	05.10.08	20:22	Combined cycle tripped alarm
		17.10.08	02.50	17.10.08	03.58	LTTH High
		17.10.08	08.06	17.10.08	10.58	To attend water leakage
		07.11.08	07.25	09.11.08	03.53	Stopped as the liquid fuel generation from GT 2 is not required by SLDC
		11.11.08	02.37	18.11.08	14.40	Stopped by SLDC to avail shut down on 100 MVA Tx-I
		23.11.08	09.45	23.11.08	10.15	Tripped in the jerk due to tripping of VB-II
23.11.08	14.15	23.11.08	20.10	Stopped as the Isolation of BB-2& BB-4 required by Electrical wing to repair the damaged portion of these buses. The damage occurred due to blasting in the circuit breaker of VB-II.		
23.11.08	20.25	23.11.08	22.45	Tripped without any alarm		
03.12.08	00.05	11.12.08	23.15	To convert the GT on liquid fuel.		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	11.12.08	23:55	15.12.08	11:35	Stopped as generation on liquid fuel not required
		17.12.08	13:18	17.12.08	15:09	Fuel pressure low while changing the fuel mode from gas to liquid.
		18.12.08	00:25	18.12.08	18:30	Stopped as generation on liquid fuel is not required
		18.12.08	18:35	20.12.08	21:43	
		25.12.08	16:14	25.12.08	19:55	To avail shut down on 100 MVA Tx-I by IP Extn.
		29.12.08	00:38	29.12.08	01:10	Tripped reverse power alarm appeared on protection panel.
		07.01.09	08:25	07.01.09	13:28	Gas restriction.
		07.01.09	16:08	07.01.09	17:50	Gas restriction.
		07.01.09	18:20	07.01.09	19:20	Gas restriction.
		08.01.09	00:44	08.01.09	02:10	Tripped on LTTT high.
		10.01.09	09:15	10.01.09	21:07	To attend leakage in circulating cooling water line
		11.01.09	10:45	11.01.09	11:25	Tripped while converted to liquid fuel mode.
		14.01.09	11:20	14.01.09	11:55	Exhaust Temp. High
		22.01.09	21:46	22.01.09	23:38	Exhaust Temp. High
		26.01.09	13:18	26.01.09	13:52	came on FSNL due to Grid disturbance
		30.01.09	13:05	31.01.09	18:25	Swapping of gas to PPCL
		31.01.09	20:40	31.01.09	23:59	Swapping of gas to PPCL
		01.02.09	00:00	01.02.09	19:58	Swapping of gas to PPCL
		01.02.09	20:10	02.02.09	20:40	Swapping of gas to PPCL
		02.02.09	21:05	03.02.09	07:41	Swapping of gas to PPCL
		03.02.09	08:55	04.02.09	06:55	Swapping of gas to PPCL
		08.02.09	22:45	12.02.09	18:15	Swapping of gas to PPCL
		16.02.09	18:05	17.02.09	20:28	Swapping of gas to PPCL
		17.02.09	22:55	18.02.09	03:35	Due to tripping of 160 MVA Tx at IP Ext
		18.02.09	04:48	18.02.09	09:37	Swapping of gas to PPCL
		19.02.09	06:01	20.02.09	10:25	Swapping of gas to PPCL
		21.02.09	17:58	22.02.09	08:35	Swapping of gas to PPCL
		28.02.09	12:05	28.02.09	12:45	Tripped along with HRSG# 1 on combined cycle trip alarm.
		07.03.09	06:20	08.03.09	11:53	Swapping of gas to PPCL
		18.03.09	10:16	18.03.09	10:50	Put on FSNL to attend hot spot on STG#1
2	30	05.04.08	07:32	05.04.08	07:50	High Lube oil temperature
		07.04.08	11:52	07.04.08	12:37	High Lube oil temperature
		11.04.08	13:16	11.04.08	13:48	High Lube oil temperature
		14.04.08	11:10	14.04.08	13:18	Came on FSNL due to tripping of IBTs
		14.04.08	14:50	14.04.08	15:09	
		03.05.08	11:07	03.05.08	11:55	Stopped for C& I Maintenance
		12.05.08	02:00	12.05.08	04:26	Electrical trouble normal shut down
		01.07.08	2:45	01.07.08	5:28	Swapping of gas to PPCL
		07.07.08	2:07	07.07.08	14:20	Swapping of gas to PPCL
		08.07.08	22:25	08.07.08	23:05	Exhaust Temp. High
		09.07.08	0:15	09.07.08	0:45	High exhaust temperature spread due to choking of fuel nozzles.
		09.07.08	1:02	09.07.08	18:37	Swapping of gas to PPCL
		12.07.09	5:16	13.07.08	5:02	Swapping of gas to PPCL

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	16.07.08	1:32	16.07.08	18:15	Stopped to clean fuel nozzles
		19.07.08	6:10	19.07.08	7:42	Stopped by SLDC as the liquid fuel generation not required
		22.07.08	21:50	23.07.08	19:02	Stopped to clean fuel nozzle
		23.07.08	19:12	23.07.08	20:05	Leakage in Fuel nozzle line
		23.07.08	20:25	23.07.08	21:50	Due to leakage in the line after flow divider
		23.07.08	21:52	24.07.08	15:25	To attend leakage of HSD
		29.07.08	1:31	29.07.08	13:10	To attend NRV of fuel nozzles
		12.08.08	00:47	12.08.08	18:55	To attend leakage
		12.08.08	19:17	13.08.08	11:28	Gas restriction
		16.08.08	16:28	16.08.08	23:45	Stopped as per system operation message
		28.08.08	08:05	28.08.08	18:40	Gas restriction
		29.08.08	11:50	29.08.08	12:27	Tripped on high LTTH
		20.09.08	16:02	20.09.08	18:28	Excitation problem
		01.10.08	03:35	01.10.08	18:40	To attend leakage
		01.10.08	19:07	01.10.08	20:55	Exhaust temperature high
		01.10.08	21:07	01.10.08	21:45	Liquid fuel pressure low
		05.10.08	16:15	05.10.08	16:35	FSNL due to Grid disturbance
		16.10.08	03:03	16.10.08	20:15	To attend leakage of HSD
		23.10.08	18:10	24.10.08	08:02	To attend leakage of HSD
		26.10.08	22:02	27.10.08	14:20	To attend leakage of HSD
		04.11.08	08:32	05.11.08	13:15	Swapping of gas to PPCL
		05.11.08	13:35	07.11.08	06:20	Stopped as generation on liquid fuel not required
		13.11.08	01:24	18.11.08	07:22	Shut down on 100MVA Tx-I
		18.11.08	07:34	18.11.08	12:25	Tripped on fuel supply pressure low
		18.11.08	14:41	20.11.08	00:28	Stopped as generation on liquid fuel not required
		20.11.08	00:53	20.11.08	17:40	
		20.11.08	17:45	21.11.08	07:32	
		21.11.08	15:28	25.11.08	10:00	
		25.11.08	10:00	30.11.08	23:59	Under shut down by Mech and C&I from 10:00 hrs dated 25/11/2008
		01.12.08	00:00	02.12.08	19:15	Under shut down due to firing problem
		10.12.08	08:35	10.12.08	18:38	Stopped as generation on liquid fuel not required
		11.12.08	06:05	17.12.08	13:23	
		17.12.08	13:26	17.12.08	23:22	tripped on high exhaust temperature
		25.12.08	16:14	25.12.08	19:58	To avail shut down on 100 MVA Tx-I by IP Extn.
		31.12.08	02:15	31.12.08	16:15	Stopped due to swapping of gas to PPCL
		31.12.08	17:20	31.12.08	23:59	Stopped to attend HSD leakage.
		01.01.09	00:00	01.01.09	16:55	Stopped to attend HSD leakage but machine is available on gas.
		02.01.09	11:32	02.01.09	18:14	
		06.01.09	00:02	06.01.09	08:05	Stopped as generation on liquid fuel not required
		07.01.09	08:18	07.01.09	17:10	Gas restriction.
08.01.09	00:44	08.01.09	01:25	Tripped on LTTH high.		
10.01.09	09:05	13.01.09	20:28	To attend leakage in circulating cooling water line		
14.01.09	10:32	14.01.09	11:25	Fuel Oil supply pressure low		
23.01.09	11:20	23.01.09	20:55	Swapping of gas to PPCL		
23.01.09	21:08	26.01.09	00:05	Swapping of gas to PPCL		
27.01.09	08:32	30.01.09	12:55	Swapping of gas to PPCL		
01.02.09	12:45	01.02.09	13:20	Fuel oil supply pressure low.		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	02.02.09	08.50	12.02.09	12.10	Stopped as liquid fuel generation not required by SLDC.
		11.02.09	12.52	12.02.09	21.29	
		13.02.09	05.58	16.02.09	08.55	
		16.02.09	18.07	20.02.09	10.50	Stopped as liquid fuel generation not required by SLDC.
		21.02.09	04.45	22.02.09	09.05	
		22.02.09	10.03	25.02.09	02.50	
		25.02.09	08.05	26.02.09	01.04	
		26.02.09	02.40	26.02.09	18.45	
		27.02.09	00.05	27.02.09	05.02	
		27.02.09	13.35	27.02.09	14.20	
		09.03.09	06.40	10.03.09	05.55	Swapping of gas to PPCL
		16.03.09	18.38	18.03.09	19.45	Failure of 'T' communicator
		29.03.09	00.02	29.03.09	05.10	Stopped as open cycle generation not required by SLDC.
		29.03.09	09.32	30.03.09	06.32	
3	30	11.04.08	13:17	11.04.08	13:49	High Lube oil temperature
		11.04.08	20:35	11.04.08	23:59	Gas restriction
		15.04.08	00:29	15.04.08	05:48	Gas restriction
		16.04.08	00:15	16.04.08	05:45	Gas restriction
		26.04.08	14:31	26.04.08	16:50	Put on FSNL to shift the unit Transformer from GT#3 to GT#2
		05.05.08	19:35	05.05.08	20:25	Electrical trouble.
		28.05.08	10:12	28.05.08	12:48	MCC under Voltage alarm
		12.06.08	20:15	12.06.08	23:59	Gas restriction
		25.06.08	00:00	25.06.08	03:00	Gas restriction
		01.07.08	0:00	02.07.08	3:55	Due to swapping of gas to PPCL
		02.07.08	6:02	03.07.08	21:28	Due to swapping of gas to PPCL
		04.07.08	6:02	05.07.08	0:10	Due to swapping of gas to PPCL
		05.07.08	4:31	14.07.08	23:35	Due to swapping of gas to PPCL
		15.07.08	7:02	16.07.08	1:10	Due to swapping of gas to PPCL
		17.07.08	6:05	17.07.08	15:15	Due to swapping of gas to PPCL
		18.07.08	16:07	19.07.08	0:38	Due to swapping of gas to PPCL
		19.07.08	6:05	22.07.08	3:20	Due to swapping of gas to PPCL
		22.07.08	6:05	24.07.08	22:40	Due to swapping of gas to PPCL
		25.07.08	6:07	26.07.08	2:27	Due to swapping of gas to PPCL
		26.07.08	6:05	28.07.08	23:10	Due to swapping of gas to PPCL
		28.07.08	23:55	30.07.08	1:02	Due to swapping of gas to PPCL
		31.07.08	9:15	01.08.08	20:58	Due to swapping of gas to PPCL
		02.08.08	01:06	02.08.08	19:29	Gas Restriction
		03.08.08	00:15	03.08.08	03:55	Gas Restriction
		03.08.08	06:05	03.08.08	22:57	Gas Restriction
		04.08.08	06:05	04.08.08	20:14	Gas Restriction
		05.08.08	01:46	05.08.08	23:50	Gas Restriction
		06.08.08	02:03	07.08.08	04:00	Stopped as per system operation message
		07.08.08	05:40	09.08.08	20:35	Gas Restriction
		10.08.08	00:02	10.08.08	10:15	Gas Restriction
		10.08.08	11:35	11.08.08	21:14	Gas Restriction
		12.08.08	00:45	12.08.08	09:27	Gas Restriction
		13.08.08	03:32	17.08.08	13:55	Gas Restriction

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	18.08.08	02:37	18.08.08	11:46	Stopped as per system operation message
		22.08.08	09:02	22.08.08	22:10	Due to swapping of gas to PPCL
		23.08.08	09:10	23.08.08	09:55	Stopped as per system operation message
		23.08.08	21:33	23.08.08	22:41	Tripped due to 100MVA Xmer
		28.08.08	02:42	28.08.08	04:05	Tripped on exhaust temp high
		29.08.08	06:02	29.08.08	23:45	Due to gas swapping to PPCL
		30.08.08	06:05	31.08.08	02:56	
		31.08.08	09:05	31.08.08	23:56	
		02.10.08	17:02	04.10.08	18.10	FSNL due to Grid Disturbance
		05.10.08	16.10	05.10.08	17.10	
		06.10.08	11.54	06.10.08	12.50	
		09.10.08	08.02	10.10.08	00.02	Swapping of gas to PPCL
		10.10.08	06.05	10.10.08	11.07	Swapping of Gas to PPCL
		13.10.08	22.02	14.10.08	05.59	Gas restriction
		24.10.08	09.50	26.10.08	00.45	
		26.10.08	01.46	26.10.08	05.10	
		28.10.08	22.05	30.10.08	17.15	
		15.11.08	04.35	15.11.08	06.25	Tripped on high TAD
		23.11.08	13.10	23.11.08	20.20	Stopped as the Isolation of BB-2&4 required by Electrical wing to repair the damaged portion of these bus. The damage occurred due to blasting in the circuit of VB-II.
		27.11.08	05.20	27.11.08	06.15	Tripped on high TAD
		09.12.08	07.50	07.12.08	10.21	Tripped on high TAD
		24.1.08	06.55	29.12.08	13.10	Stopped to avoid Overloading on 100 MVA TX-II
		29.12.08	14.52	29.12.08	19.16	Swapping of gas to PPCL
		01.01.09	00.00	01.01.09	05.58	
		04.01.09	16.32	04.01.09	21.40	
		07.01.09	17.10	09.01.09	23.59	Stopped due to gas restriction.
		13.01.09	17.13	13.01.09	17.46	Tripped on LTTH high.
		18.01.09	11.56	18.01.09	12.48	Exhaust Temperature High.
		18.01.09	14.32	18.01.09	18.35	Exhaust Temperature High.
		26.01.09	13.18	26.01.09	13.52	came on FSNL due to Grid disturbance
		12.02.09	09.45	12.02.09	12.35	Came on FSNL due To tripping of 160 MVA TX at both end.
		17.02.09	22.20	17.02.09	23.25	
		22.02.09	07.32	22.02.09	12.20	Gas restriction.
01.03.09	07.50	02.03.09	16.15	Swapping of gas to PPCL		
02.03.09	16.15	18.03.09	08.45	Swapping of gas to PPCL		
18.03.09	08.45	29.03.09	17.35	Due to leakage.		
4	30	11.04.08	20:45	11.04.08	23:59	Gas restriction
		14.04.08	14:50	14.04.08	15:17	Came on FSNL due to tripping of IBTs
		15.04.08	00:29	15.04.08	05:48	Gas restriction
		16.04.08	00:15	16.04.08	05:45	Gas restriction
		13.06.08	20:15	14.06.08	02:37	Gas restriction

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	13.06.08	13:02	13.06.08	23:59	Gas restriction
		21.06.08	07:00	24.06.08	23:59	Gas restriction
		25.06.08	02:35	26.06.08	23:59	Gas restriction
		01.07.08	0:00	14.07.08	21:05	Swapping of gas to PPCL
		15.07.08	6:02	18.07.08	4:19	
		18.07.08	6:02	18.07.08	19:25	
		19.07.08	6:02	31.07.08	0:32	
		31.07.08	1:08	06.08.08	00:02	
		06.08.08	02:06	14.08.08	13:25	
		14.08.08	14:10	14.08.08	15:10	
		15.08.08	00:38	16.08.08	11:32	Gas restriction
		16.08.08	21:40	17.08.08	11:48	Gas restriction
		17.08.08	14:28	17.08.08	20:40	Gas restriction
		18.08.08	02:37	18.08.08	11:48	Stopped as per system operation message
		18.08.08	14:38	18.08.08	15:35	Combined cycle trip alarm
		18.08.08	15:48	18.08.08	21:05	Due to control system malfunctioning
		19.08.08	18:32	19.08.08	21:30	Gas restriction
		20.08.08	00:02	20.08.08	17:50	Gas restriction
		21.08.08	11:02	21.08.08	18:45	Gas restriction
		23.08.08	21:29	23.08.08	22:06	FSNL due to tripping of 100 MVA-II
		24.09.08	14:43	24.09.08	15:15	Loss of excitation
		01.10.08	00:00	01.10.08	15:25	Swapping of Gas to PPCL
		01.10.08	20:45	06.10.08	00:25	
		06.10.08	12:55	09.10.08	02:58	
		09.10.08	11:02	10.10.08	00:04	
		11.10.08	23:30	13.10.08	11:32	
		14.10.08	02:05	14.10.08	13:20	Due to high frequency.
		15.10.08	00:05	15.10.08	12:56	Gas restriction
		15.10.08	21:46	16.10.08	05:55	Gas restriction
		16.10.08	20:48	17.10.08	11:28	Gas restriction
		17.10.08	11:02	19.10.08	15:14	Gas restriction
		20.10.08	08:05	21.10.08	17:58	Gas restriction
		24.10.08	15:20	30.10.08	07:35	Swapping of gas to PPCL
		30.10.08	07:35	03.11.08	14:50	Swapping of gas to PPCL
		09.11.08	03:55	13.11.08	01:20	Swapping of gas to PPCL
		23.11.08	09:45	23.11.08	13:02	Due to tripping of VB-II
		24.11.08	21:32	27.11.08	05:35	Swapping of gas to PPCL
		27.11.08	22:40	28.11.08	05:15	
		29.11.08	00:02	29.11.08	04:59	
		30.11.08	00:10	30.11.08	05:15	
30.11.08	22:15	01.12.08	14:54			
02.12.08	02:25	02.12.08	17:25			
08.12.08	00:20	08.12.08	17:55			
15.12.08	11:36	17.12.08	13:35			
17.12.08	18:02	18.12.08	13:45			

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	18.12.08	13.50	23.12.08	12.40	Swapping of gas to PPCL
		23.12.08	16.05	23.12.08	23.59	Tripped on false alarm of condensate level high trip and reverse power alarm appeared on protection panel.
		24.12.08	00.00	29.12.08	14.47	Stopped to avoid Overloading on 100 MVA TX-II
		29.12.08	19.20	29.12.08	21.05	Swapping of gas to PPCL
		29.12.08	22.35	30.12.08	17.35	
		30.12.08	17.50	30.12.08	02.50	
		31.12.08	20.30	31.12.08	23.59	
		01.01.09	18.50	03.01.09	09.32	
		07.01.09	06.10	11.01.09	12.42	Gas restriction.
		16.01.09	11.47	16.01.09	15.50	To attend Bleed Valve by C&I
		16.01.09	16.05	20.01.09	00.02	Swapping of gas to PPCL
		20.01.09	12.02	22.01.09	00.25	Swapping of gas to PPCL
		25.01.09	01.02	25.01.09	04.25	Grid disturbance
		08.02.09	06.10	08.02.09	07.50	Swapping of gas to PPCL
		08.02.09	10.05	09.02.09	12.55	Swapping of gas to PPCL
		12.02.09	09.45	12.02.09	10.48	Came on FSNL due To tripping of 160 MVA TX at both end.
		27.02.09	08.20	27.02.09	19.20	Gas restriction.
		01.03.09	04.05	01.03.09	09.57	Stopped as liquid fuel generation not required by SLDC.
		01.03.09	11.47	02.03.09	11.05	
		5	30	08.04.08	16:32	08.04.08
14.04.08	11:10			14.04.08	11:38	Came on FSNL due to tripping of IBTs
30.04.08	03:17			30.04.08	04:40	Failure of controller
01.05.08	18:45			01.05.08	19:48	Tripped on reverse power relay.
06.07.08	1:16			10.07.08	20:05	Due to swapping of gas to PPCL
11.07.08	1:02			11.07.08	21:20	Due to swapping of gas to PPCL
21.07.08	7:47			22.07.08	20:41	Loss of Excitation
28.07.08	16:20			28.07.08	18:15	Tripped on unit Tx E/F on Prot. panel. Possible reason of tripping could be mal-functioning of alarm/enunciator cards on protection panel.
28.07.08	18:28			28.07.08	23:45	
10.08.08	00:04			10.08.08	11:28	Gas restriction
14.08.08	02:02			15.08.08	00:35	Gas restriction
17.09.08	17:31			18.09.08	00:10	Electrical Trouble
05.10.08	16.15			05.10.08	16.35	Grid disturbance
29.10.08	14.58			29.10.08	17.26	Electrical problem
04.11.08	16.05			05.11.08	08.35	Stopped to replace generator air filter and to attend hot spot.
08.11.08	02.34			08.11.08	07.45	Failure of C communicator
09.11.08	11.02			11.11.08	02.35	Stopped by SLDC to avail shut down on 100 MVA Tx-I
18.11.08	00.15			21.11.08	15.25	Swapping of gas to PPCL
23.11.08	09.45			23.11.08	10.45	Tripped in the jerk due to tripping of VB-II
25.11.08	10.02			26.11.08	11.12	Swapping of gas to PPCL
27.11.01	05.10	27.11.08	17.09	Tripped on high TAD		
27.11.08	22.55	28.11.08	00.04	Swapping of gas to PPCL		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	08.12.08	11:02	08.12.08	17:25	Stopped by SLDC to carry out the work on 100 MVA Tx-II by IP-Ext.
		09.12.08	04:17	09.12.08	10:32	Tripped on high TAD
		20.12.08	19:25	20.12.08	21:46	Stopped to avoid overloading on 100 MVA Tx-II
		20.12.08	23:42	21.12.08	20:50	
		22.12.08	21:02	23.12.08	18:58	Came on FSNL while regulating the load on Machine as per requirement of radial feeders.
		25.12.08	16:35	25.12.08	17:33	
		02.01.09	20:32	02.01.09	23:52	Tripped on high TAD
		07.01.09	06:15	10.01.09	23:20	Gas restriction.
		13.01.09	09:38	13.01.09	11:37	Loss of excitation alarm.
		14.01.09	21:45	15.01.09	08:27	Swapping of gas to PPCL
		26.01.09	13:18	26.01.09	13:52	FSNL due to Grid disturbance
		12.02.09	09:45	12.02.09	11:05	Came on FSNL due To tripping of 160 MVA TX at both end.
		17.02.09	22:20	18.02.09	18:05	Came on FSNL due to tripping of 160 MVA Tx at IP extn. End and stopped due to overloading of another 100 MVA Tx.
		22.02.09	06:04	22.02.09	12:40	Stopped due to gas restriction.
		28.02.09	13:45	28.02.09	17:15	Stopped due to gas restriction.
24.03.09	07:05	24.03.09	09:40	FSNL		
31.03.09	18:50	31.03.09	19:10	FSNL		
6	30	14.04.08	14:50	14.04.08	15:27	Came on FSNL due to tripping of IBTs
		02.05.08	04:17	02.05.08	06:29	Gas fuel hydraulic pressure low
		10.05.08	18:32	10.05.08	21:43	Gas fuel hydraulic pressure low
		14.05.08	10:25	14.05.08	14:30	Loss of flame.
		04.06.08	11:36	04.06.08	11:45	Put on FSNL to remove bird nest
		19.06.08	01:25	29.06.08	17:55	Stopped due to gas restriction
		01.07.08	0:00	01.07.08	2:22	Swapping of gas to PPCL
		01.07.08	5:35	01.07.08	15:58	Swapping of gas to PPCL
		05.07.08	17:02	05.07.08	22:58	Swapping of gas to PPCL
		08.07.08	6:07	08.07.08	22:15	Swapping of gas to PPCL
		09.07.08	9:35	09.07.08	10:45	Gas fuel hydraulic pressure low.
		09.07.08	18:10	09.07.08	18:37	Tripped due short circuit in fire detector cable due to excessive heat in turbine compartment.
		09.07.08	18:37	13.07.08	7:45	Machine was clear from C&I side but not taken on load due to shortage of gas.
		19.07.08	11:02	20.07.08	9:15	Swapping of gas to PPCL
		29.07.08	14:32	30.07.08	8:28	Swapping of gas to PPCL
		15.08.08	15:20	15.08.08	20:50	Stopped as per system operation message
		16.08.08	15:55	16.08.08	23:40	
		17.08.08	12:20	17.08.08	15:55	Gas restriction.
		18.08.08	06:10	30.09.08	23:59	Major Inspection
		30.09.08	13:05	30.09.08	15:58	Electrical Trouble
01.10.08	15:17	01.10.08	20:39	Put on FSNL as per requirement of C&I		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	09.10.08	11.10	11.10.08	01.45	Swapping of gas to PPCL
		11.10.08	00.02	11.10.08	15.30	Swapping of gas to PPCL
		17.10.08	03.15	17.10.08	05.40	Exhaust temp. high
		19.10.08	10.25	20.10.08	01.40	Due to high frequency.
		21.10.08	07.48	23.10.08	16.58	Gas restriction
		30.10.08	20.23	31.10.08	18.46	Swapping of gas to PPCL
		31.10.08	18.55	31.10.08	19.25	Loss of excitation
		09.11.08	11.05	11.11.08	19.57	Stopped by SLDC to avail shut down on 100 MVA Tx-I
		22.11.08	10.05	23.11.08	14.10	Swapping of gas to PPCL
		27.11.08	17.10	28.11.08	04.50	Swapping of gas to PPCL
		01.12.08	13.55	01.12.08	19.35	Came on FSNL
		19.12.08	11.10	19.12.08	15.10	Stopped to avail shutdown on 100 MVA Tx-I
		20.12.08	19.32	21.12.08	19.40	11 KV Ckt breaker damaged
		21.12.08	19.40	24.12.08	12.50	Not taken on Load due to shut down of 100 MVA Tx-I
		24.12.08	22.02	29.12.08	23.59	Swapping of gas to PPCL
		23.12.08	00.00	04.01.09	15.10	Machine not available due to problem in 11 KV breaker
		06.01.09	00.05	07.01.09	21.00	For retrofitting of 11 KV Breaker
		07.01.09	21.00	11.01.09	22.40	Gas restriction
		12.01.09	00.15	13.01.09	18.50	Lube oil temperature high
		13.01.09	19.20	13.01.09	20.44	Tripped on LTTH high.
		14.01.09	17.10	20.01.09	00.10	Swapping of gas to PPCL
		20.01.09	05.58	23.01.09	11.10	Swapping of gas to PPCL
		25.01.09	01.05	25.01.09	05.05	Swapping of gas to PPCL
		26.01.09	05.45	26.01.09	08.45	Swapping of gas to PPCL
		04.02.09	08.47	04.02.09	09.35	Swapping of gas to PPCL
		04.02.09	13.35	07.02.09	11.46	Swapping of gas to PPCL
		08.02.09	06.05	10.02.09	12.50	Swapping of gas to PPCL
		11.02.09	01.48	11.02.09	05.45	Swapping of gas to PPCL
		12.02.09	10.21	12.02.09	16.01	To avoid overloading on 100MVA Tx-2 as 160 MVA Tx under shutdown.
		14.02.09	21.30	15.02.09	13.50	Swapping of gas to PPCL
		19.02.09	19.15	21.02.09	00.40	Swapping of gas to PPCL
		21.02.09	06.02	23.02.09	04.35	Swapping of gas to PPCL
		23.02.09	13.20	25.02.09	06.50	Swapping of gas to PPCL
		25.02.09	10.02	26.02.09	01.03	Swapping of gas to PPCL
		26.02.09	10.55	27.02.09	12.15	Gas restriction.
		27.02.09	23.32	28.02.09	12.40	Stopped as generation from liquid fuel not required.
		28.02.09	17.20	28.02.09	23.59	
		01.03.09	00.00	01.03.09	09.35	Swapping of gas PPCL
		01.03.09	11.46	02.03.09	17.55	Swapping of gas PPCL
		03.03.09	21.32	04.03.09	12.58	Swapping of gas PPCL
05.03.09	19.32	06.03.09	05.25	Swapping of gas PPCL		
06.03.09	11.05	08.03.09	03.26	Swapping of gas PPCL		
08.03.09	13.16	13.03.09	05.58	Swapping of gas PPCL		
14.03.09	05.32	14.03.09	21.29	Swapping of gas PPCL		
26.03.09	18.55	26.03.09	21.25	Exhaust temperature spread.		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG1	34	01.04.08	22:47	01.04.08	23:18	RJB shaft vibration very high.
		04.04.08	03:05	04.04.08	04:10	RJB shaft vibration very high.
		14.04.08	03:05	14.04.08	14:32	Tripped due to tripping of IBTs
		15.04.08	08:32	15.04.08	10:44	Class A relay was operated
		21.04.08	06:31	21.04.08	07:55	Low vacuum and class A relay
		24.04.08	23:16	24.04.08	23:48	Tripping of BFP-1A
		29.04.08	15:37	29.04.08	23:42	Due to tripping of GT#1
		02.05.08	22:02	03.05.08	22:53	Stopped for maintenance
		05.05.08	06:04	05.05.08	07:04	Low vacuum
		05.05.08	13:28	05.05.08	23:17	Exhaust steam pressure very high
		12.05.08	02:00	12.05.08	05:32	Tripped due to tripping of GT#2.
		13.05.08	20:40	13.05.08	21:45	Low vacuum.
		15.05.08	14:32	15.05.08	20:32	To attend leakages
		20.05.08	14:31	20.05.08	17:40	To attend leakages
		26.05.08	07:01	26.05.08	17:05	Low vacuum.
		09.06.08	17:10	09.06.08	20:16	Main steam temp. low
		10.06.08	18:17	10.06.08	21:10	To attend the lube oil cooler
		11.06.08	10:50	11.06.08	18:57	Tribune speed very high
		15.06.08	17:02	15.06.08	17:50	Ch I & II relay operated
		19.06.08	14:28	19.06.08	14:58	Malfunctioning of PRDS system
		20.06.08	05:25	20.06.08	07:45	Hot well level very high alarm
		20.06.08	20:45	20.06.08	23:59	Gas restriction
		22.06.08	10:32	22.06.08	12:50	Hot well level very high alarm
		28.06.08	18:35	28.06.08	19:07	due to isolation of 800KVA Tx.
		30.06.08	11:23	30.06.08	12:20	Tripped on low vacuum.
		30.06.08	12:40	30.06.08	15:05	Class A relay operated
		04.07.08	14:03	04.07.08	18:55	To attend various steam leakages
		07.07.08	15:18	07.07.08	16:40	Ch-I & II relay operated
		10.07.08	12:12	10.07.08	14:50	To attend strainer of CEP-1A
		10.07.08	15:25	10.07.08	16:25	Low vacuum
		13.07.08	12:02	13.07.08	12:17	Low vacuum
		02.08.08	19:20	02.08.08	20:08	Ch-I&II relay operated
		05.08.08	14:50	05.08.08	18:55	Drum level very low
		08.08.08	11:12	08.08.08	11:52	Exhaust steam pressure very high
		08.08.08	16:25	08.08.08	20:10	Tripping of CEP 1B
		23.08.08	19:02	23.08.08	21:23	Low vacuum
		23.08.08	21:32	24.08.08	00:18	Tripped due to GT-1 came on part load and GT- 2 came on FSNL due to tripping of 100 MVA Tx-II on O/C, E/F
		29.08.08	11:50	29.08.08	14:37	Due to tripping of 7.5MVA Tx
		08.09.08	11:08	09.09.08	00:33	Tripped on low vacuum

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG1	34	12.09.08	16:55	12.09.08	19:52	Tripped on low vacuum
		24.09.08	14:35	24.09.08	18:55	Tripped due to Grid Disturbance
		05.10.08	16.20	05.10.08	16.45	Due to grid disturbance
		05.10.08	19.05	05.10.08	22.50	Due to disappearing parameters
		06.10.08	05.45	06.10.08	10.35	Due to disappearing parameters
		08.10.08	19.00	08.10.08	20.58	Channel I & II operated
		17.10.08	10.49	17.10.08	13.05	Malfunctioning of PRDS station
		18.10.08	02.05	18.10.08	04.25	Low vacuum
		18.10.08	11.40	18.10.08	13.57	Control supply failed
		24.10.08	16.40	24.10.08	17.55	Malfunctioning of PRDS station
		27.10.08	11.15	27.10.08	15.55	To attend hot spot
		29.10.08	16.03	29.10.08	16.29	Malfunctioning of PRDS station
		04.11.08	09.35	05.11.08	03.20	To attend leakage from Ejectors.
		11.11.08	03.15	11.11.08	03.52	Exhaust steam pressure very high
		11.11.08	20.25	12.11.08	20.46	Due to shut down on 100 MVA Tx-I
		12.11.08	20.46	18.11.08	18.25	Due to leakage.
		21.11.08	13.54	22.11.08	09.59	Low vacuum
		22.11.08	10.55	22.11.08	11.37	Tripped on low vacuum.
		22.11.08	16.07	22.11.08	21.28	Tripped on low vacuum.
		23.11.08	09.45	24.11.08	03.35	Due to tripping of VB-II
		24.11.08	17.05	24.11.08	17.50	Tripped on Ch-I and Ch-II
		01.12.08	11.45	01.12.08	12.58	Tripped while draining out the LLVT tank
		10.12.08	08.35	15.12.08	20.10	To attend tube leakage in HRSGs
		17.12.08	13.18	17.12.08	16.17	Tripped due to tripping of GT# 1.
		20.12.08	10.15	20.12.08	20.25	Stopped to attend leakages.
		25.12.08	16.14	25.12.08	22.02	S/D of 100MVA Tx-I at by IP Extn.
		07.01.09	08.25	10.01.09	06.00	Gas Restriction
		10.01.09	06.00	13.01.09	23.20	Leakage in Circulating cooling water line
		14.01.09	11.20	14.01.09	13.28	Tripped along with tripping of GT#1
		18.01.09	06.25	18.01.09	06.55	Malfunctioning of PRDS Station
		18.01.09	07.50	18.01.09	09.58	High vibration on Turbine.
		24.01.09	14.01	25.01.09	05.28	To attend the PRDS steam line leakages.
		25.01.09	05.55	25.01.09	08.55	Tripped on high vibration.
		25.01.09	12.53	25.01.09	15.58	Tripped on high vibration.
		25.01.09	16.35	26.02.09	17.11	Tripped on high vibration
		07.03.09	08.32	07.03.09	21.28	To attend leakage at PRDS station.
		09.03.09	10.11	09.03.09	11.33	Malfunctioning of PRDS control valve
		13.03.09	16.19	13.03.09	17.20	
		18.03.09	10.16	18.03.09	12.25	Stopped to attend hot spot

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG2	34	01.04.08	00.00	01.10.08	20.52	Under forced major O/H
		02.10.08	15.32	05.10.08	18.22	To attend leakages
		06.10.08	11.54	14.10.08	16.40	Axial shift vary high
		14.10.08	18.07	14.10.08	18.31	Hot well level high
		15.10.08	21.05	15.10.08	21.40	Channel-I & II relay operated
		16.10.08	21.05	16.10.08	22.55	Channel-I & II relay operated
		18.10.08	16.27	19.10.08	18.05	Vacuum tank level high
		22.10.08	16.40	22.10.08	17.25	Vacuum tank level high
		24.10.08	15.20	26.10.08	11.20	Swapping of gas to PPCL
		28.10.08	22.05	30.10.08	20.10	Gas restriction
		03.11.08	05.10	03.11.08	06.40	BFP-2A tripped resulting in tripping of APRDS on Auxiliary steam temperature very high due to which STG tripped on low vacuum.
		03.11.08	07.26	03.11.08	14.10	Tripped on low vacuum due to closure of APRDS control valve.
		06.11.08	15.11	06.11.08	16.15	Tripped on low vacuum due to sudden closure of APRDS control valve (MS-13)
		07.11.08	02.50	07.11.08	03.55	All of a sudden the parameters of Deaerators and Hot well level disappear. At the time of resetting the MCBs of these parameters the STG tripped.
		23.11.08	09.45	24.11.08	05.05	Tripped in the jerk due to tripping of VB-II
		26.11.08	15.35	26.11.08	16.10	Tripped due to malfunctioning of boiler and turbine parameters
		27.11.08	05.20	27.11.08	07.49	TAD high.
		27.11.08	15.50	27.11.08	16.28	Tripped as the parameters of HRSG# 3 disappeared
		27.11.08	17.38	27.11.08	18.38	Low vacuum.
		03.12.08	01.02	03.12.08	01.50	Exhaust steam pressure high
		12.12.08	17.03	12.12.08	20.16	Low vacuum.
		21.12.08	07.09	21.12.08	21.10	Tripped due to tripping of BFP-2B
		24.12.08	01.08	29.12.08	22.07	Stopped to avoid Overloading on 100 MVA TX-II
		30.12.08	11.35	30.12.08	13.07	Aux. steam temp. high.
		30.12.08	22.10	30.12.08	23.59	Tripped due to low vacuum.
		31.12.08	19.22	31.12.08	23.55	Tripped on Class 'A' 86 GA1,27GX and 40GXX.
		07.01.09	17.10	10.01.09	06.00	Gas restriction.
		10.01.09	06.00	14.01.09	05.20	Due to leakage in Circulating cooling water line.
		18.01.09	11.56	18.01.09	20.22	Tripped due to tripping of GT#3
		26.01.09	13.32	26.01.09	14.55	Tripped due to Grid disturbance
		27.01.09	12.05	27.01.09	18.05	To attend E-2 valve of HRSG#4.
		28.01.09	16.44	28.01.09	17.45	Due to malfunctioning of drum level
29.01.09	10.35	29.01.09	21.37	To attend E-2 valve of HRSG# 4		
12.02.09	09.45	12.02.09	14.15	Tripping of 160MVA Tx at IP Ext.		
01.03.09	00.10	02.03.09	18.28	To attend differential Expansion		
13.03.09	00.45	13.03.09	06.15	To attend fault of safety valve.		
25.03.09	18.30	25.03.09	19.05	Steam exhaust temperature high.		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG3	34	14.04.08	11:10	14.04.08	17:10	Tripped due to tripping of IBTs
		17.04.08	11:45	17.04.08	21:28	Stopped to attend leakages
		26.04.08	16:25	26.04.08	17:30	Exhaust steam pressure very high
		02.05.08	22:02	03.05.08	02:50	Stopped for maintenance
		04.05.08	04:35	04.05.08	06:42	Channe-I & II operated
		10.05.08	18:32	11.05.08	00:03	Tripped due to tripping of GT# 6
		13.05.08	17:55	14.05.08	16:48	Parameter on CRT as well as on desk disappear sd STG tripped.
		01.07.08	4:10	01.07.08	5:05	Low vacuum.
		01.07.08	5:15	01.07.08	5:38	Low vacuum.
		02.07.08	14:17	02.07.08	14:33	Low vacuum.
		04.07.08	0:05	04.07.08	0:28	Tripped while maintaining the hot well level during deaerator strainer cleaning
		08.07.08	6:07	09.07.08	2:25	Gas restriction
		09.07.08	9:35	09.07.08	11:44	Tripped due to tripping of GT# 6
		09.07.08	18:10	10.07.08	23:10	Gas shortage
		11.07.08	1:05	12.07.08	0:20	Gas restriction
		13.07.08	8:50	13.07.08	9:28	Low vacuum
		13.07.08	21:32	13.07.08	21:55	Tripped on low vacuum.
		23.08.08	21:29	24.08.08	03:32	Tripping of 100 MVA Tx
		27.08.08	19:57	27.08.08	20:12	Tripped on low vacuum
		29.08.08	11:50	29.08.08	15:58	Due to tripping of 7.5MVA Tx
		17.09.08	17:31	18.09.08	02:00	Tripped due to tripping of GT#5
		24.09.08	14:14	24.09.08	17:58	Tripped due to Grid disturbance
		05.10.08	16:10	05.10.08	17:40	Grid disturbance
		12.10.08	08:02	12.10.08	18:40	To attend leakages
		28.10.08	10:57	28.10.08	15:40	Low vacuum
		31.10.08	09:16	31.10.08	18:23	To attend leakage from ejector.
		09.11.08	11:02	11.11.08	15:35	S/D of 100 MVA Tx-I
		23.11.08	09:45	23.11.08	15:25	Due to tripping of VB-II
		26.11.08	12:22	28.11.08	02:55	Parameters were disappearing and appearing frequently.
		01.12.08	13:55	01.12.08	21:20	Tripped due to GT 6 came on FSNL
		10.12.08	10:02	10.12.08	20:42	Exhaust steam pressure high
		20.12.08	19:32	22.12.08	02:45	Tripped due to tripping of GT# 6
		22.12.08	18:45	23.12.08	23:24	Tripped as the parameters of HRSG# 5 disappeared and its DD closes itself.
		25.12.08	16:14	25.12.08	21:05	To avail shut down on 100 MVATx-I
		02.01.09	20:32	03.01.09	00:58	Due to high TAD.
		07.01.09	06:15	10.01.09	06:00	Stopped due to gas restriction.
		10.01.09	06:00	16.01.09	03:10	Leakage in Circulating cooling water.
		26.01.09	13:18	26.01.09	19:55	Tripped due to Grid disturbance
		02.02.09	09:26	02.02.09	10:40	Exhaust steam pressure high.
		03.02.09	09:20	04.02.09	00:45	Stopped to attend leakages.
08.02.09	13:06	08.02.09	20:20	Tripped on Class 'A' relay operated.		
12.02.09	09:45	12.02.09	13:27	Tripped due To tripping of 160 MVA TX at both end.		
17.02.09	22:20	18.02.09	20:29	Tripping of 160MVA Tx at IP Ext		
22.02.09	06:04	22.02.09	14:10	Stopped due to gas restriction.		
28.02.09	08:02	28.02.09	19:28	To attend leakages at PRDS floor		

7.4 PRAGATI STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	29.04.08	13:21	29.04.08	14:56	Due to tripping of associated transmission lines.
		01.05.08	05:34	01.05.08	05:50	FSNL
		18.07.08	06:35	18.07.08	11:35	To attend the hot spot.
		18.07.08	09:00	18.07.08	09:45	To attend hot spot
		15.08.08	15:22	17.08.08	22:00	Backing down
		22.08.08	23:52	28.08.09	20:57	Air pressure low
		01.09.08	10:02	01.09.08	12:17	Flame Scanner line leakage
		03.09.08	09:34	03.09.08	09:47	Due to tripping of associated transmission lines.
		21.09.08	02:35	21.09.08	09:00	Water leakage in cooling line
		24.09.08	14:12	24.09.08	14:47	Due to tripping of associated transmission lines.
		05.10.08	16.10	05.10.08	16.37	
		02.11.08	08.20			Planned shut-down
		10.12.08	00.52	10.12.08	06.04	Due to tripping of associated transmission lines.
		21.12.08	06.36	21.12.08	12.16	Turbine air differential
		29.12.08	02.40	29.12.08	11.58	Internal fault
		30.12.08	05.32	30.12.08	11.19	Turbine air differential
		02.01.09	05.45	02.01.09	09.12	Air differential pressure high
		03.01.09	01.30	03.01.09	13.30	Internal fault
		04.01.09	01.33	04.01.09	13.43	Air Differential Pressure high
		06.01.09	05.15	06.01.09	11.45	Air Differential Pressure high
		07.01.09	08.21	11.01.09	11.08	Shortage of gas
		26.01.09	04.48	26.01.09	09.15	Air Differential Pressure high
		26.01.09	13.20	26.01.09	14.56	Tripped due to tripping of 220kV Maharani Bagh – Pragati Ckt.
		22.02.09	10.00	26.02.09	07.05	Gas Restriction
		13.03.09	16.40	13.03.09	20.35	Electrical Maintenance Work
		2	104	14.04.08	12:10	14.04.08
22.04.08	09:02			22.04.08	09:31	Internal fault
14.05.08	10:24			14.05.08	14:31	Due to tripping of associated transmission lines.stem Disturbance
18.05.08	12:56			18.05.08	13:50	Technical problem
20.05.08	05:20			20.05.08	06:49	Due to tripping of associated transmission lines.
16.06.08	08:45			16.06.08	09:15	Technical problem
14.07.08	06:40			14.07.08	14:46	Air inlet pressure high
17.07.08	14:45			17.07.08	19:38	To attend hot spot
28.07.08	16:20			28.07.08	17:03	Due to System Disturbance
08.08.08	13:58			08.08.08	14:55	Due to tripping of associated transmission lines.
01.09.08	17:20			01.09.08	18:15	Due to tripping of associated transmission lines.
16.10.08	15.55			16.10.08	17.49	Due to jerk in system
18.10.08	09.00			18.10.08	14.29	Bleed valve problem
25.10.08	12.48			25.10.08	13.58	Due to jerk
08.11.08	00.05			08.11.08	18.40	Planned shut-down

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	10.11.08	16.12	10.11.08	16.43	Internal fault
		21.11.08	04.55	21.11.08	15.23	Differential pressure high
		07.12.08	17.35	07.12.08	18.29	Due to tripping of associated transmission lines.
		20.12.08	14.00	20.12.08	18.26	Purge ratio trouble
		21.12.08	13.35	21.12.08	04.30	Purge ratio trouble
		21.12.08	06.43	21.12.08	07.05	Due to tripping of associated transmission lines.
		21.12.08	08.07	21.12.08	09.15	
		29.12.08	04.48	29.12.08	11.58	Internal fault
		03.01.09	03.45	03.01.09	12.31	Air differential pressure high
		07.01.09	11.29	07.01.09	18.38	Shortage of gas
		08.01.09	00.10	10.01.09	11.24	Shortage of gas
		26.01.09	02.57	26.01.09	09.01	Differential low pressure
		13.02.09	08.25	13.02.09	11.27	Air differential pressure high
		26.02.09	07.00	28.02.09	20.29	Gas Restriction
		16.03.09	10.00	16.03.09	11.40	Internal fault
STG	122	14.04.08	12:10	14.04.08	14:04	Parameter disturbance
		22.04.08	09:02	22.04.08	10:02	Tripping
		18.05.08	12:56	18.05.08	15:50	Technical problem
		20.05.08	05:20	20.05.08	07:18	Due to tripping of associated transmission lines.
		17.07.08	06:36	17.07.08	11:53	To attend hot spot
		17.07.08	12:22	17.07.08	13:12	Planned shut down
		18.07.08	06:46	18.07.08	09:05	Electrical problem
		28.07.08	00:35	28.07.08	05:10	Turbine trip oil pressure high
		28.07.08	16:20	28.07.08	18:23	Due to tripping of associated transmission lines.
		08.08.08	13:58	08.08.08	15:00	
		15.08.08	18:12	15.08.08	19:43	Generator Problem
		01.09.08	17:20	01.09.08	18:45	Due to tripping of associated transmission lines.
		24.09.08	14:12	24.09.08	15:30	
		11.10.08	12:36	11.10.08	14:02	Electrical problem
		12.10.08	14:24	12.10.08	15:28	Internal fault
		16.10.08	15:55	16.10.08	17:15	Due to jerk
		22.10.08	14:20	22.10.08	14:55	Internal fault
		25.10.08	12:48	25.10.08	14:32	Due to jerk
		01.11.08	08.00	01.11.08	19.20	For replacement of CT at IP Ext
		07.12.08	17.35	07.12.08	19.35	Due to tripping of associated transmission lines.
		21.12.08	03.35	21.12.08	05.30	
		21.12.08	11.45	21.12.08	13.42	
		29.12.08	04.48	29.12.08	14.52	Internal fault
		31.12.08	13.30	01.01.09	19.10	Oil limit out of range
		03.01.09	03.46	03.01.09	14.40	Air inlet filter Differential high
		04.01.09	01.48	04.01.09	13.43	Buchloz Relay operated
		26.01.09	04.48	26.01.09	11.25	Due to tripping of 220kV Maharani Bagh – Pragati Ckt.
		02.02.09	16.47	02.02.09	17.48	Exitor Vibrator
		16.02.09	08.30	08.03.09	13.47	Internal Problem.

7.5

BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	24.06.08	03:02	24.06.08	08:35	Drum level low
		30.11.08	23:55	08.12.08	12:03	Generation backing down.
		23.12.08	12:52	23.12.08	14:30	PC failure trip
		26.01.09	07:18	26.01.09	10:27	220kV Bus-I dead at BTPS
		03.01.09	21:55	04.02.09	11:31	Leakage in Drum
		06.03.09	17:41	07.03.09	09:35	Boiler Tube Leakage
2	95	06.07.08	18:49	07.07.08	11:30	Due to problem in primary air fan
		26.07.08	10:26	26.07.08	23:18	Technical Problem
		15.08.08	17:40	15.08.08	19:46	Generator Tx. tripped due to jerk
		16.08.08	13:42	18.08.08	09:04	Shutdown
		24.08.08	11:38	24.08.08	13:02	Furnace draft
		20.09.08	13:57	22.09.08	20:07	Backing Down
		29.10.08	16:33	31.10.08	17:50	Generation backing down.
		13.02.09	03:40	13.02.09	05:40	Fire out.
		18.03.09	00:00	19.03.09	07:00	Fire out
3	95	22.05.08	11:02	27.05.08	17:02	Technical Problem
		04.07.08	22:10	05.07.08	02:30	Problem in primary air fan
		11.08.08	15:13	12.08.08	15:25	Boiler Tube Leakage
		15.08.08	17:40	16.08.08	04:00	Generator Tr. Tripped
		07.09.08	07:48	26.10.08	23:24	Capital Maintenance
		01.11.08	11:27	01.11.08	17:40	Generation backing down
		09.11.08	13:57	10.11.08	14:22	Boiler tube leakage
		03.12.08	04:12	03.12.08	07:25	Excitation problem.
		14.12.08	06:10	14.12.08	13:40	Electrical production relay trip
		26.01.09	05:53	26.01.09	08:34	Tripped on jerk due to tripping of 220kV BTPS – Alwar Ckt.
4	210	30.04.08	11:25	30.04.08	15:05	Due to high furnace pressure
		12.05.08	23:00	13.05.08	01:37	S/D due to hotspot in Tr bushing
		08.06.08	14:06	09.06.08	17:58	Due to furnace disturbance
		18.06.08	00:37	19.06.08	10:41	Boiler tube leakage
		16.07.08	12:24	16.07.08	14:05	Excitation problem
		27.07.08	04:16	27.07.08	06:47	Technical problem
		27.08.08	12:41	29.08.08	08:02	Boiler tube leakage
		28.09.08	09:24	30.09.08	15:24	Boiler tube leakage
		27.10.08	23:22	28.10.08	02:14	PA fan problem.
		20.02.09	05:35	21.02.09	10:00	Boiler Tube Leakage
		25.02.09	21:29	27.02.09	01:16	Boiler Tube Leakage
		14.03.09	16:24	15.03.09	09:30	Boiler Tube Leakage
5	210	15.08.08	16:46	18.08.08	22:50	Backing down
		05.11.08	11:42	25.11.08	21:25	Scheduled break-down.
		17.12.08	11:39	18.12.08	16:35	Boiler tube leakage
		28.12.08	23:15	30.12.08	01:51	Boiler tube leakage
		10.01.09	12:06	11.01.09	20:25	Boiler tube leakage
		26.01.09	07:18	26.01.09	10:05	220kV Bus-I dead at BTPS

8. POWER SUPPLY POSITION OF DELHI DURING 2008-09

8.1 Power supply position during the month of April 2008

All figures in MUs

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	90.812	87.213	90.637	87.046
2	RIHAND-I	74.994	72.033	74.864	71.908
3	RIHAND-II	96.003	92.213	95.835	92.052
4	UNCHAHAR-I	16.112	15.476	16.056	15.422
5	UNCHAHAR-II	21.011	20.180	20.910	20.083
6	UNCHAHAR-III	19.570	18.801	19.491	18.726
7	DADRI(TH)	423.380	406.739	418.341	401.901
8	FARAKA	38.795	37.515	37.515	36.030
9	KHELGAON	67.794	65.562	65.562	62.971
10	KHELGAON-II	0.000	0.000	0.000	0.000
11	ANTA(GT)	22.570	21.683	22.518	21.633
	ANTA(Liquid)	6.954	6.676	2.765	2.656
	ANTA(RLNG)	0.577	0.553	0.566	0.542
12	AURAIYA(GT)	27.236	26.159	27.076	26.005
	AURAIYA(Liquid)	9.971	9.574	4.788	4.601
	AURAIYA(RLNG)	0.531	0.509	0.511	0.490
13	DADRI(GT)	38.148	36.638	38.073	36.567
	DADRI(Liquid)	22.345	21.464	13.549	13.025
	DADRI (RLNG)	0.876	0.840	0.837	0.802
A	TOTAL NTPC (TOTAL 1 TO 13)	977.679	939.828	949.894	912.460
14	TANAKPUR	1.498	1.439	1.498	1.439
15	CHAMERA-I	13.240	12.721	13.240	12.721
16	CHAMERA-II	13.591	13.060	13.591	13.060
17	BAIRA SUIL	9.412	9.040	9.412	9.040
18	SALAL	26.551	25.504	26.551	25.504
19	DULASTI	19.678	18.907	19.678	18.907
20	DAULI GANGA	7.105	6.828	7.105	6.828
21	URI (HEP)	36.384	34.948	36.384	34.948
B.	TOTAL NHPC (TOTAL 14 TO 21)	127.459	122.447	127.459	122.447
22	NAPP	7.296	7.006	7.296	7.006
23	RAPP (B-4)	0.846	0.813	0.846	0.813
24	RAPP (B-3)	0.714	0.686	0.714	0.686
C	TOTAL NPC (22 TO 24)	8.856	8.505	8.856	8.505
D	NATHPA JHAKHRI	33.953	32.626	33.953	32.626
E	TEHRI HEP	15.626	15.008	15.626	15.008
F	TALA	4.387	4.242	4.242	4.076

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	UTTRANCHAL	3.443	3.319	3.443	3.319
26	KAWAS	0.248	0.236	0.236	0.226
27	DVC	3.500	3.385	3.385	3.248
28	SIKKIM (ADANI)	3.845	3.711	3.711	3.555
29	JINDAL STEEL	1.555	1.488	1.352	1.297
30	NAV BHARAT (TATA)	18.005	17.413	16.629	15.972
G.	TOTAL BILATERAL IMPORT (TOTAL 25-30)	30.596	29.552	28.756	27.617
	BILATERAL EXPORT				
31	HARYANA	1.440	1.500	1.440	1.500
32	UTTER PRADESH	6.427	6.680	6.427	6.680
33	GOA	1.797	1.894	1.894	1.975
34	PUNJAB	0.476	0.495	0.476	0.495
35	BESCO (KALYANI)	4.094	4.313	4.313	4.494
36	BESCO (TATA)	0.000	0.000	0.000	0.000
37	MADHYA PRADESH	9.203	9.690	9.690	10.092
38	RAJASTHAN	17.618	18.361	17.618	18.361
39	ANDHRA PRADESH	3.461	3.656	3.656	3.812
H	TOTAL BILATERAL EXPORT(TOTAL 31 TO 39)	44.516	46.589	45.514	47.409
	ENERGY EXCHANGE TRANSACTIONS				
40	POWER EXCHANGE –IEX	0.000	0.000	0.000	0.000
41	TO POWER EXCHANGE – IEX	0.000	0.000	0.000	0.000
42	TO POWER EXCHANGE - (PX)	0.000	0.000	0.000	0.000
I	TOTAL EXPORT (-) / IMPORT (+) THROUGH ENERGY EXCHANGES (TOTAL 40 TO 42)	0.000	0.000	0.000	0.000
J	TOTAL DRAWAL FROM THE NORTH-ERN GRID (A+B+C+D+E+F+G+H+I)	1154.037	1105.622	1123.269	1075.334
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				23.829
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				1051.505
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-99.528
	AVAILABILITY FROM OWN SOURCES				
N	IP				88.745
O	1/3rd HSEB SHARE IN IP				23.589
P	JHAZZAR SHARE IN IP				0.240
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				64.916
R	RPH				71.956
S	GT				136.063
T	PRAGATI				128.944
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				401.879
V	IMPORT FROM BTPS				433.034
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				834.913
X	GROSS CONSUMPTION (L+M+W)				1786.890
Y	LOAD SHEDDING				25.320
Z	REQUIREMENT((X+Y)				1812.210
AA	% DEPENDENCE ON N.GRID				60.18
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				27.583
AC	NET CONSUMPTION OF DELHI (X-AB)				1759.307

8.2 Power supply position during the month of May 2008

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	111.579	107.978	109.247	105.716
2	RIHAND-I	74.036	71.656	72.361	70.030
3	RIHAND-II	96.557	93.438	94.386	91.332
4	UNCHAHAR-I	18.075	17.492	16.519	15.984
5	UNCHAHAR-II	35.699	34.550	32.531	31.480
6	UNCHAHAR-III	21.241	20.556	20.018	19.370
7	DADRI(TH)	538.272	520.907	503.172	486.882
8	FARAKA	47.343	45.542	42.933	41.546
9	KHELGAON	68.906	66.285	63.266	61.229
10	KHELGAON-II	0.000	0.000	0.000	0.000
11	ANTA(GT)	23.200	22.448	22.104	21.386
	ANTA(Liquid)	3.116	3.018	1.421	1.377
	ANTA(RLNG)	0.000	0.000	0.000	0.000
12	AURAIYA(GT)	27.014	26.144	25.496	24.674
	AURAIYA(Liquid)	13.041	12.627	2.459	2.379
	AURAIYA(RLNG)	0.000	0.000	0.000	0.000
13	DADRI(GT)	45.707	44.231	42.682	41.301
	DADRI(Liquid)	19.617	18.988	7.635	7.386
	DADRI (RLNG)	0.000	0.000	0.000	0.000
A	TOTAL NTPC (TOTAL 1 TO 13)	1143.403	1105.860	1056.230	1022.072
14	TANAKPUR	3.170	3.069	3.170	3.069
15	CHAMERA-I	22.186	21.478	22.186	21.478
16	CHAMERA-II	29.401	28.460	29.401	28.460
17	BAIRA SUIL	10.560	10.220	10.560	10.220
18	SALAL	50.316	48.700	50.316	48.700
19	DULASTI	37.139	35.941	37.139	35.941
20	DAULI GANGA	14.623	14.150	14.623	14.150
21	URI (HEP)	39.550	38.274	39.550	38.274
B.	TOTAL NHPC (TOTAL 14 TO 21)	206.945	200.292	206.945	200.292
22	NAPP	8.286	8.019	8.283	8.016
23	RAPP (B-4)	1.142	1.106	1.142	1.106
24	RAPP (B-3)	1.226	1.187	1.226	1.187
C	TOTAL NPC (22 TO 24)	10.654	10.312	10.651	10.309
D	NATHPA JHAKHRI	95.420	92.365	95.420	92.365
E	TEHRI HEP	16.130	15.611	16.130	15.611
F	TALA	5.667	5.451	5.451	5.275

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	UTTRANCHAL	39.874	38.587	39.874	38.587
26	DVC	28.463	27.325	27.325	26.472
27	JINDAL STEEL	1.000	0.960	0.875	0.844
28	NAV BHARAT (TATA)	3.721	3.580	3.419	3.308
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 28)	73.058	70.452	71.493	69.211
	BILATERAL EXPORT				
29	HARYANA	0.574	0.594	0.574	0.594
30	UTTER PRADESH	8.089	8.364	8.089	8.364
31	PUNJAB	1.194	1.238	1.194	1.238
32	MADHYA PRADESH	0.273	0.287	0.287	0.297
33	RAJASTHAN	15.216	15.721	15.216	15.721
34	ANDHRA PRADESH	6.303	6.634	6.634	6.854
35	MAHARASHTRA	4.344	4.622	4.622	4.777
36	TATA POWER	3.556	3.783	3.783	3.910
37	CHHATTISGARH (TATA)	0.072	0.077	0.077	0.079
H	TOTAL BILATERAL EXPORT (TOTAL 29 TO 37)	39.621	41.320	40.476	41.834
	ENERGY EXCHANGE TRANSACTIONS				
38	POWER EXCHANGE - IEX	0.000	0.000	0.000	0.000
39	TO POWER EXCHANGE - IEX	0.000	0.000	0.000	0.000
40	TO POWER EXCHANGE - (PX)	0.000	0.000	0.000	0.000
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES (TOTAL 38 TO 40)	0.000	0.000	0.000	0.000
J	TOTAL DRAWAL FROM THE NORTHERN GRID (A+B+C+D+E+F+G+H+I)	1511.655	1459.022	1421.844	1373.298
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				27.498
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				1345.800
M	OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID				-187.702
	AVAILABILITY FROM OWN SOURCES				
N	IP				101.425
O	1/3rd HSEB SHARE IN IP				27.250
P	JHAZZAR SHARE IN IP				0.248
Q	NET GENENERTION AVAILABLE FOR DELHI IN IP (N-O-P)				73.927
R	RPH				56.851
S	GT				105.579
T	PRAGATI				224.292
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				460.649
V	IMPORT FROM BTPS				432.747
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				893.396
X	GROSS CONSUMPTION (L+M+W)				2051.494
Y	LOAD SHEDDING				7.218
Z	REQUIREMENT((X+Y)				2058.712
AA	% DEPENDENCE ON NORTHERN GRID				66.94
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				29.193
AC	NET CONSUMPTION OF DELHI (X-AB)				2022.301

8.3 Power supply position during the month of June 2008

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	114.556	110.717	114.152	110.326
2	RIHAND-I	76.092	73.528	75.832	73.276
3	RIHAND-II	91.901	88.801	91.575	88.486
4	UNCHAHAR-I	16.726	16.161	16.265	15.715
5	UNCHAHAR-II	35.803	34.591	34.887	33.706
6	UNCHAHAR-III	21.742	21.006	21.189	20.472
7	DADRI(TH)	510.930	493.624	500.711	483.740
8	FARAKA	34.887	33.527	33.192	32.069
9	KHELGAON	67.357	64.752	64.140	61.970
10	KHELGAON-II	0.000	0.000	0.000	0.000
11	ANTA(GT)	15.188	14.675	15.018	14.510
	ANTA(Liquid)	6.430	6.212	1.293	1.246
	ANTA(RLNG)	0.000	0.000	0.000	0.000
12	AURAIYA(GT)	27.755	26.824	27.359	26.440
	AURAIYA(Liquid)	24.263	23.434	4.841	4.666
	AURAIYA(RLNG)	0.000	0.000	0.000	0.000
13	DADRI(GT)	33.420	32.293	33.045	31.929
	DADRI(Liquid)	27.364	26.441	6.877	6.632
	DADRI (RLNG)	0.000	0.000	0.000	0.000
A	TOTAL NTPC (TOTAL 1 TO 13)	1104.414	1066.586	1040.376	1005.183
14	TANAKPUR	5.805	5.609	5.805	5.609
15	CHAMERA-I	28.427	27.465	28.427	27.465
16	CHAMERA-II	32.426	31.326	32.426	31.326
17	BAIRA SUIL	9.441	9.124	9.441	9.124
18	SALAL	50.361	48.651	50.361	48.651
19	DULASTI	38.751	37.438	38.751	37.438
20	DAULI GANGA	24.382	23.559	24.382	23.559
21	URI (HEP)	38.115	36.826	38.115	36.826
B.	TOTAL NHPC (TOTAL 14 TO 21)	227.708	219.998	227.708	219.998
22	NAPP	8.591	8.300	8.591	8.300
23	RAPP (B-4)	1.427	1.378	1.427	1.378
24	RAPP (B-3)	1.170	1.130	1.170	1.130
C	TOTAL NPC (22 TO 24)	11.188	10.808	11.188	10.808
D	NATHPA JHAKHRI	81.608	78.762	81.608	78.762
E	TEHRI HEP	25.812	24.935	25.812	24.935
F	TALA	16.330	15.703	15.703	15.170

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	UTTRANCHAL	93.900	90.736	93.900	90.736
26	KAWAS	1.100	1.034	1.034	1.000
27	DVC	24.770	23.802	23.801	23.011
28	NAV BHARAT (TATA)	3.603	3.464	3.308	3.196
29	NAV BHARAT (REL)	39.573	37.608	33.888	32.702
30	HIMACHAL PRADESH	44.100	42.608	44.100	42.608
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 30)	207.046	199.252	200.031	193.253
	BILATERAL EXPORT				
31	PUNJAB	20.636	21.346	20.636	21.346
32	ANDHRA PRADESH	21.937	23.332	23.332	24.178
33	MAHARASHTRA	4.717	5.019	5.019	5.197
34	TATA POWER	2.366	2.517	2.517	2.599
35	CHHATTISGARH (TATA)	0.562	0.598	0.598	0.619
H	TOTAL BILATERAL EXPORT (TOTAL 31 TO 35)	50.218	52.812	52.102	53.939
	ENERGY EXCHANGE TRANSACTIONS				
36	POWER EXCHANGE -IEX	0.000	0.000	0.000	0.000
37	TO POWER EXCHANGE - IEX	0.000	0.000	0.000	0.000
38	TO POWER EXCHANGE - (PX)	0.000	0.000	0.000	0.000
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES (TOTAL 36 TO 38)	0.000	0.000	0.000	0.000
J	TOTAL DRAWAL FROM THE NORTH-ERN GRID (A+B+C+D+E+F+G+H+I)	1623.887	1563.235	1550.323	1494.170
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				20.334
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				1473.836
M	OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID				-218.385
	AVAILABILITY FROM OWN SOURCES				
N	IP				78.613
O	1/3rd HSEB SHARE IN IP				20.094
P	JHAZZAR SHARE IN IP				0.240
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				58.279
R	RPH				70.560
S	GT				88.725
T	PRAGATI				219.211
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				436.775
V	IMPORT FROM BTPS				439.762
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				876.537
X	GROSS CONSUMPTION (L+M+W)				2131.988
Y	LOAD SHEDDING				8.909
Z	REQUIREMENT((X+Y)				2140.897
AA	% DEPENDENCE ON N.GRID				70.08
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				28.302
AC	NET CONSUMPTION OF DELHI (X-AB)				2103.686

8.4 Power supply position during the month of July 2008

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	96.447	93.073	96.447	93.073
2	RIHAND-I	68.236	65.846	68.236	65.846
3	RIHAND-II	89.006	85.899	89.006	85.899
4	UNCHAHAR-I	13.091	12.624	13.091	12.624
5	UNCHAHAR-II	36.555	35.269	36.555	35.269
6	UNCHAHAR-III	22.152	21.373	22.152	21.373
7	DADRI(TH)	515.073	496.964	514.173	496.094
8	FARAKA	29.510	28.320	28.320	27.323
9	KHELGAON	53.610	51.443	51.443	49.675
10	KHELGAON-II	0.000	0.000	0.000	0.000
11	ANTA(GT)	18.038	17.402	18.038	17.402
	ANTA(Liquid)	7.579	7.312	3.257	3.142
	ANTA(RLNG)	0.399	0.386	0.399	0.386
12	AURAIYA(GT)	27.516	26.546	27.516	26.546
	AURAIYA(Liquid)	24.592	23.724	9.633	9.293
	AURAIYA(RLNG)	0.807	0.781	0.807	0.781
13	DADRI(GT)	32.380	31.241	32.380	31.241
	DADRI(Liquid)	26.755	25.823	12.087	11.666
	DADRI (RLNG)	0.000	0.000	0.000	0.000
A	TOTAL NTPC (TOTAL 1 TO 13)	1061.746	1024.026	1023.540	987.633
14	TANAKPUR	2.646	2.560	2.646	2.560
15	CHAMERA-I	27.669	26.690	27.669	26.690
16	CHAMERA-II	33.339	32.167	33.339	32.167
17	BAIRA SUIL	9.828	9.482	9.828	9.482
18	SALAL	54.695	52.775	54.695	52.775
19	DULASTI	40.234	38.825	40.234	38.825
20	DAULI GANGA	24.551	23.686	24.551	23.686
21	URI (HEP)	35.968	34.696	35.968	34.696
B.	TOTAL NHPC (TOTAL 14 TO 21)	228.930	220.881	228.930	220.881
22	NAPP	8.430	8.134	8.430	8.134
23	RAPP (B-4)	1.394	1.345	1.387	1.338
24	RAPP (B-3)	1.146	1.106	1.140	1.100
C	TOTAL NPC (22 TO 24)	10.970	10.585	10.957	10.572
D	NATHPA JHAKHRI	113.699	109.696	113.699	109.696
E	TEHRI HEP	54.313	52.402	54.313	52.402
F	TALA	23.393	22.448	22.448	21.658

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	UTTRANCHAL	73.206	70.622	73.206	70.622
26	DVC	2.250	2.160	2.160	2.081
27	NAV BHARAT (REL)	40.907	39.281	35.558	34.312
28	MAHARASHTRA	76.263	72.068	69.135	66.703
29	MAHARASHTRA (ER)	26.616	25.493	23.488	22.638
30	MAHARASHTRA (WR)	11.313	10.859	9.845	9.488
31	HIMACHAL PRADESH	45.648	44.043	45.648	44.043
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 31)	276.203	264.526	259.040	249.887
	BILATERAL EXPORT				
32	HARYANA	50.712	52.582	50.712	52.582
33	PUNJAB	2.168	2.241	2.168	2.241
34	BESCO (TATA)	0.305	0.323	0.334	0.345
35	ANDHRA PRADESH	16.812	17.791	17.791	18.456
36	MAHARASHTRA	2.090	2.211	2.211	2.292
37	TAMINL NADU	5.175	5.395	5.395	5.600
38	CHHATTISGARH (TATA)	0.112	0.119	0.119	0.123
39	RELIANCE (REL)	0.274	0.286	0.286	0.297
H	TOTAL BILATERAL EXPORT (32 TO 39)	77.648	80.948	79.016	81.936
	ENERGY EXCHANGE TRANSACTIONS				
40	POWER EXCHANGE -IEX	0.157	0.152	0.157	0.152
41	TO POWER EXCHANGE - IEX	-1.145	-1.189	-1.145	-1.189
42	TO POWER EXCHANGE - (PX)	0.000	0.000	0.000	0.000
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES (TOTAL 40 TO 42)	-0.988	-1.037	-0.988	-1.037
J	TOTAL DRAWAL FROM THE NORTH-ERN GRID (A+B+C+D+E+F+G+H+I)	1690.615	1622.579	1632.920	1569.754
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				21.053
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				1548.701
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-73.512
	AVAILABILITY FROM OWN SOURCES				
N	IP				77.935
O	1/3rd HSEB SHARE IN IP				20.805
P	JHAZZAR SHARE IN IP				0.248
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				56.882
R	RPH				81.422
S	GT				95.106
T	PRAGATI				221.244
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				454.654
V	IMPORT FROM BTPS				455.930
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				910.584
X	GROSS CONSUMPTION (L+M+W)				2385.773
Y	LOAD SHEDDING				8.695
Z	REQUIREMENT((X+Y)				2394.468
AA	% DEPENDENCE ON N.GRID				65.80
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				29.908
AC	NET CONSUMPTION OF DELHI (X-AB)				2355.865

8.5 Power supply position during the month of August 2008

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	101.816	98.387	101.468	98.051
2	RIHAND-I	42.655	41.224	42.499	41.073
3	RIHAND-II	100.579	97.197	100.209	96.839
4	UNCHAHAR-I	9.020	8.717	8.791	8.495
5	UNCHAHAR-II	36.205	34.987	35.253	34.068
6	UNCHAHAR-III	22.356	21.603	21.769	21.037
7	DADRI(TH)	530.750	512.902	519.997	502.522
8	FARAKA	25.142	24.110	24.110	23.299
9	KHELGAON	43.637	41.852	41.852	40.444
10	KHELGAON-II	20.822	19.979	18.647	18.012
11	ANTA(GT)	18.561	17.937	18.401	17.782
	ANTA(Liquid)	14.292	13.809	4.154	4.017
	ANTA(RLNG)	0.005	0.005	0.005	0.005
12	AURAIYA(GT)	25.996	25.126	25.782	24.919
	AURAIYA(Liquid)	27.463	26.535	4.873	4.713
	AURAIYA(RLNG)	0.023	0.023	0.023	0.023
13	DADRI(GT)	35.512	34.315	35.184	33.999
	DADRI(Liquid)	23.715	22.923	9.429	9.121
	DADRI (RLNG)	0.000	0.000	0.000	0.000
A	TOTAL NTPC (TOTAL 1 TO 13)	1078.549	1041.631	1012.446	978.419
14	TANAKPUR	7.611	7.356	7.611	7.356
15	CHAMERA-I	30.046	29.034	30.046	29.034
16	CHAMERA-II	32.038	30.961	32.038	30.961
17	BAIRA SUIL	11.268	10.888	11.268	10.888
18	SALAL	51.996	50.243	51.996	50.243
19	DULASTI	40.230	38.877	40.230	38.877
20	DAULI GANGA	29.222	28.239	29.222	28.239
21	URI (HEP)	27.199	26.290	27.199	26.290
B.	TOTAL NHPC (TOTAL 14 TO 21)	229.610	221.888	229.610	221.888
22	NAPP	9.572	9.250	9.565	9.244
23	RAPP (B-4)	1.136	1.098	1.136	1.098
24	RAPP (B-3)	0.758	0.733	0.758	0.733
C	TOTAL NPC (22 TO 24)	11.466	11.081	11.459	11.075
D	NATHPA JHAKHRI	107.074	103.481	107.074	103.481
E	TEHRI HEP	74.403	71.905	74.403	71.905
F	TALA	23.495	22.533	22.533	21.775

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	DVC	0.900	0.864	0.864	0.834
26	NAV BHARAT (REL)	23.267	22.333	20.073	19.394
27	MAHARASHTRA	74.132	71.016	65.323	63.121
28	HIMACHAL PRADESH	52.922	51.151	52.922	51.151
29	UN-REQUISITIONED SURPLUS	12.770	12.355	12.770	12.355
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 29)	163.991	157.719	151.952	146.855
	BILATERAL EXPORT				
30	HARYANA	44.117	45.665	44.117	45.665
31	ANDHRA PRADESH	39.933	41.616	41.616	43.079
32	MAHARASHTRA	0.226	0.238	0.238	0.246
H	TOTAL BILATERAL EXPORT (TOTAL 30 TO 32)	84.276	87.519	85.971	88.990
	ENERGY EXCHANGE TRANSACTIONS				
33	POWER EXCHANGE - IEX	0.016	0.015	0.016	0.015
34	TO POWER EXCHANGE - IEX	-1.557	-1.613	-1.557	-1.613
35	TO POWER EXCHANGE - (PX)	0.000	0.000	0.000	0.000
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES (TOTAL 33 TO 35)	-1.541	-1.598	-1.541	-1.598
J	TOTAL DRAWAL FROM THE NORTH-ERN GRID (A+B+C+D+E+F+G+H+I)	1602.771	1541.118	1521.964	1464.808
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				17.814
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				1446.994
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-38.966
	AVAILABILITY FROM OWN SOURCES				
N	IP				66.824
O	1/3rd HSEB SHARE IN IP				17.566
P	JHAZZAR SHARE IN IP				0.248
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				49.010
R	RPH				75.360
S	GT				109.095
T	PRAGATI				195.810
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				429.275
V	IMPORT FROM BTPS				409.172
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				838.447
X	GROSS CONSUMPTION (L+M+W)				2246.475
Y	LOAD SHEDDING				8.168
Z	REQUIREMENT((X+Y)				2254.643
AA	% DEPENDENCE ON N.GRID				65.20
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				28.925
AC	NET CONSUMPTION OF DELHI (X-AB)				2217.550

8.6 Power supply position during the month of September 2007

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	112.605	108.770	112.030	108.215
2	RIHAND-I	66.410	64.131	65.900	63.640
3	RIHAND-II	97.119	93.819	96.458	93.181
4	UNCHAHAR-I	11.099	10.725	10.985	10.615
5	UNCHAHAR-II	35.524	34.315	35.125	33.931
6	UNCHAHAR-III	21.022	20.304	20.780	20.071
7	DADRI(TH)	430.470	415.777	426.157	411.619
8	FARAKA	24.800	23.812	23.338	22.540
9	KHELGAON	47.083	45.205	44.842	43.306
10	KHELGAON-II	22.252	21.367	21.127	20.396
11	ANTA(GT)	20.650	19.956	20.532	19.843
	ANTA(Liquid)	6.605	6.377	3.064	2.962
	ANTA(RLNG)	4.266	4.111	4.175	4.024
12	AURAIYA(GT)	31.694	30.616	31.474	30.404
	AURAIYA(Liquid)	13.676	13.207	6.006	5.807
	AURAIYA(RLNG)	2.728	2.629	2.724	2.625
13	DADRI(GT)	28.677	27.688	28.503	27.520
	DADRI(Liquid)	27.407	26.480	15.920	15.399
	DADRI (RLNG)	0.000	0.000	0.000	0.000
A	TOTAL NTPC (TOTAL 1 TO 13)	1004.087	969.289	969.140	936.098
14	TANAKPUR	6.860	6.628	6.860	6.628
15	CHAMERA-I	14.017	13.541	14.017	13.541
16	CHAMERA-II	20.967	20.256	20.967	20.256
17	BAIRA SUIL	5.744	5.551	5.744	5.551
18	SALAL	31.306	30.255	31.306	30.255
19	DULASTI	37.628	36.352	37.628	36.352
20	DAULI GANGA	21.682	20.938	21.682	20.938
21	URI (HEP)	21.189	20.473	21.189	20.473
B.	TOTAL NHPC (TOTAL 14 TO 21)	159.393	153.994	159.393	153.994
22	NAPP	8.288	8.008	8.288	8.008
23	RAPP (B-4)	1.005	0.971	1.005	0.971
24	RAPP (B-3)	0.000	0.000	0.000	0.000
C	TOTAL NPC (22 TO 24)	9.293	8.979	9.293	8.979
D	NATHPA JHAKHRI	78.593	75.917	78.593	75.917
E	TEHRI HEP	32.373	31.267	32.373	31.267
F	TALA	21.967	21.089	21.089	20.373

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	UTTRANCHAL	2.545	2.450	2.545	2.450
26	KAWAS	0.130	0.124	0.124	0.120
27	JINDAL POWER LTD.	2.880	2.750	2.750	2.668
28	NAV BHARAT (REL)	37.440	36.039	33.146	32.026
29	HARYANA	0.199	0.193	0.199	0.193
30	BESCO (KALYANI)	29.741	28.625	26.205	25.298
31	MADHYA PRADESH	1.160	1.113	1.102	1.066
32	MAHARASHTRA	7.200	6.876	6.654	6.421
33	HIMACHAL PRADESH	46.206	44.720	46.206	44.720
34	TISCO	1.649	1.582	1.537	1.491
35	GUJRAT	0.625	0.597	0.597	0.576
36	GANDHAR	0.245	0.234	0.234	0.226
37	WEST BENGAL	0.425	0.408	0.408	0.394
38	UN-REQUISITIONED SURPLUS	3.735	3.617	3.735	3.617
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 38)	134.180	129.328	125.442	121.266
	BILATERAL EXPORT				
39	ANDHRA PRADESH	2.469	2.572	2.572	2.660
40	MAHARASHTRA	8.031	8.410	8.410	8.732
41	TATA POWER	1.008	1.056	1.056	1.096
42	TAMINL NADU	1.197	1.246	1.246	1.293
H	TOTAL BILATERAL EXPORT (TOTAL 39 TO 42)	12.705	13.284	13.284	13.781
	ENERGY EXCHANGE TRANSACTIONS				
43	POWER EXCHANGE -IEX	1.266	1.226	1.266	1.226
44	TO POWER EXCHANGE - IEX	-1.440	-1.492	-1.440	-1.492
45	TO POWER EXCHANGE - (PX)	0.000	0.000	0.000	0.000
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES (TOTAL 44 TO 46)	-0.174	-0.266	-0.174	-0.266
J	TOTAL DRAWAL FROM THE NORTH-ERN GRID (A+B+C+D+E+F+G+H+I)	1427.004	1376.316	1381.864	1333.848
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				12.703
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				1321.145
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-11.939
	AVAILABILITY FROM OWN SOURCES				
N	IP				54.415
O	1/3rd HSEB SHARE IN IP				12.463
P	JHAZZAR SHARE IN IP				0.240
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				41.712
R	RPH				74.481
S	GT				98.145
T	PRAGATI				212.377
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				426.715
V	IMPORT FROM BTPS				373.555
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				800.270
X	GROSS CONSUMPTION (L+M+W)				2109.476
Y	LOAD SHEDDING				23.719
Z	REQUIREMENT((X+Y)				2133.195
AA	% DEPENDENCE ON N.GRID				63.23
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				28.003
AC	NET CONSUMPTION OF DELHI (X-AB)				2081.473

8.7 Power supply position during the month of October 2008

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	113.628	109.371	113.628	109.371
1	SINGRAULI	113.628	109.371	113.628	109.371
2	RIHAND-I	79.149	76.180	79.149	76.180
3	RIHAND-II	96.844	93.212	96.844	93.212
4	UNCHAHAR-I	17.185	16.540	17.166	16.522
5	UNCHAHAR-II	36.287	34.928	36.248	34.890
6	UNCHAHAR-III	20.255	19.498	20.231	19.474
7	DADRI(TH)	538.074	517.895	535.214	515.143
8	FARAKA	16.379	15.715	15.715	15.124
9	KHELGAON	37.702	36.175	36.175	34.823
10	KHELGAON-II	33.831	32.459	32.459	31.241
11	ANTA(GT)	17.063	16.426	17.031	16.393
	ANTA(Liquid)	4.631	4.457	1.081	1.040
	ANTA(RLNG)	9.900	9.534	6.504	6.264
12	AURAIYA(GT)	28.405	27.341	28.352	27.289
	AURAIYA(Liquid)	6.174	5.942	1.715	1.651
	AURAIYA(RLNG)	19.064	18.347	13.652	13.139
13	DADRI(GT)	42.109	40.530	42.059	40.482
	DADRI(Liquid)	19.394	18.666	7.828	7.536
	DADRI (RLNG)	0.000	0.000	0.000	0.000
A	TOTAL NTPC (TOTAL 1 TO 13)	1136.074	1093.216	1101.051	1059.774
14	TANAKPUR	6.903	6.644	6.903	6.644
15	CHAMERA-I	7.849	7.555	7.849	7.555
16	CHAMERA-II	14.064	13.537	14.064	13.537
17	BAIRA SUIL	3.464	3.334	3.464	3.334
18	SALAL	20.155	19.401	20.155	19.401
19	DULASTI	29.752	28.641	29.752	28.641
20	DAULI GANGA	14.814	14.259	14.814	14.259
21	URI (HEP)	12.318	11.856	12.318	11.856
B.	TOTAL NHPC (TOTAL 14 TO 21)	109.319	105.227	109.319	105.227
22	NAPP	1.856	1.786	1.856	1.786
23	RAPP (B-4)	1.051	1.012	1.051	1.012
24	RAPP (B-3)	1.036	0.997	1.036	0.997
C	TOTAL NPC (22 TO 24)	3.943	3.795	3.943	3.795
D	NATHPA JHAKHRI	51.783	49.847	51.783	49.847
E	TEHRI HEP	17.280	16.633	17.280	16.633
F	TALA	12.927	12.405	12.405	11.942

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	UTTRANCHAL	14.963	14.418	14.963	14.418
26	DVC	9.390	8.993	8.993	8.656
27	JINDAL POWER LTD.	0.350	0.334	0.334	0.323
28	HIMACHAL PRADESH	1.200	1.155	1.200	1.155
29	WEST BENGAL	3.388	3.254	3.254	3.135
30	UN-REQUISITIONED SURPLUS	1.591	1.531	1.591	1.531
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 30)	30.882	29.685	30.335	29.218
	BILATERAL EXPORT				
31	HARYANA	35.856	37.253	35.856	37.253
32	UTTRANCHAL	6.162	6.403	6.162	6.403
33	MADHYA PRADESH	21.722	22.745	22.745	23.640
34	RAJASTHAN	19.613	20.390	19.613	20.390
34	ANDHRA PRADESH	6.648	6.940	6.940	7.214
35	MAHARASHTRA	1.949	2.041	2.041	2.118
36	HIMACHAL PRADESH	35.268	36.642	35.268	36.642
H	TOTAL BILATERAL EXPORT (TOTAL 31 TO 36)	127.218	132.414	128.625	133.660
	ENERGY EXCHANGE TRANSACTIONS				
37	POWER EXCHANGE -IEX	0.280	0.270	0.280	0.270
38	TO POWER EXCHANGE - IEX	-0.300	-0.313	-0.300	-0.313
39	TO POWER EXCHANGE - (PX)	0.000	0.000	0.000	0.000
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES (TOTAL 37 TO 39)	-0.020	-0.043	-0.020	-0.043
J	TOTAL DRAWAL FROM THE NORTHERN GRID (A+B+C+D+E+F+G+H+I)	1234.965	1178.349	1197.467	1142.734
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				15.256
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				1127.478
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-53.763
	AVAILABILITY FROM OWN SOURCES				
N	IP				61.594
O	1/3rd HSEB SHARE IN IP				15.008
P	JHAZZAR SHARE IN IP				0.248
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				46.338
R	RPH				74.232
S	GT				119.837
T	PRAGATI				220.123
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				460.530
V	IMPORT FROM BTPS				402.482
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				863.012
X	GROSS CONSUMPTION (L+M+W)				1936.727
Y	LOAD SHEDDING				10.747
Z	REQUIREMENT((X+Y)				1947.474
AA	% DEPENDENCE ON N.GRID				59.00
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				28.142
AC	NET CONSUMPTION OF DELHI (X-AB)				1908.585

8.8 Power supply position during the month of November 2008

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	110.651	105.800	110.651	105.800
2	RIHAND-I	72.565	69.376	72.565	69.376
3	RIHAND-II	94.300	90.161	94.300	90.161
4	UNCHAHAR-I	17.279	16.518	17.255	16.495
5	UNCHAHAR-II	36.137	34.550	36.085	34.501
6	UNCHAHAR-III	3.280	3.132	3.247	3.100
7	DADRI(TH)	517.620	494.896	512.789	490.283
8	FARAKA	17.196	16.528	16.456	15.735
9	KHELGAON	38.031	36.553	36.401	34.804
10	KHELGAON-II	28.121	27.028	26.894	25.713
11	ANTA(GT)	22.427	21.442	22.427	21.442
	ANTA(Liquid)	6.563	6.273	0.067	0.064
	ANTA(RLNG)	5.608	5.367	0.007	0.007
12	AURAIYA(GT)	33.825	32.342	33.825	32.342
	AURAIYA(Liquid)	10.249	9.801	0.064	0.061
	AURAIYA(RLNG)	6.360	6.080	0.031	0.029
13	DADRI(GT)	38.059	36.389	38.059	36.389
	DADRI(Liquid)	23.433	22.406	0.181	0.172
	DADRI (RLNG)	0.000	0.000	0.000	0.000
A	TOTAL NTPC (TOTAL 1 TO 13)	1081.704	1034.642	1021.304	976.474
14	TANAKPUR	3.631	3.472	3.631	3.472
15	CHAMERA-I	4.689	4.484	4.689	4.484
16	CHAMERA-II	8.003	7.652	8.003	7.652
17	BAIRA SUIL	1.994	1.907	1.994	1.907
18	SALAL	11.351	10.853	11.351	10.853
19	DULASTI	17.493	16.726	17.493	16.726
20	DAULI GANGA	8.355	7.989	8.355	7.989
21	URI (HEP)	12.187	11.650	12.187	11.650
B.	TOTAL NHPC (TOTAL 14 TO 21)	67.703	64.733	67.703	64.733
22	NAPP	8.011	7.659	8.011	7.659
23	RAPP (B-4)	1.058	1.011	1.058	1.011
24	RAPP (B-3)	1.149	1.099	1.149	1.099
C	TOTAL NPC (22 TO 24)	10.218	9.769	10.218	9.769
D	NATHPA JHAKHRI	33.139	31.689	33.139	31.689
E	TEHRI HEP	17.718	16.940	17.718	16.940
F	TALA	6.341	6.093	6.093	5.827

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	UTTRANCHAL	0.000	0.000	0.000	0.000
26	UTTRANCHAL	-7.149	-7.486	-7.149	-7.486
27	KAWAS	0.000	0.000	0.000	0.000
28	DVC	11.880	11.415	11.415	10.907
29	KARNATKA	0.139	0.134	0.122	0.117
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 29)	4.870	4.063	4.388	3.538
	BILATERAL EXPORT				
30	UTTRANCHAL	7.149	7.486	7.149	7.486
31	MADHYA PRADESH	59.105	61.891	61.891	64.742
32	RAJASTHAN	80.742	84.455	80.742	84.455
33	ANDHRA PRADESH	27.312	28.465	28.465	29.743
34	MAHARASHTRA	10.050	10.523	10.523	11.007
35	TATA POWER	3.934	4.120	4.120	4.314
36	TISCO	0.189	0.198	0.198	0.207
37	HIMACHAL PRADESH	28.820	30.144	28.820	30.144
38	RELIANCE (REL)	2.268	2.375	2.375	2.487
39	GUJARAT	10.784	11.292	11.292	11.808
40	KERALA	0.452	0.470	0.470	0.493
H	TOTAL BILATERAL EXPORT (TOTAL 30 TO 40)	230.805	241.419	236.045	246.886
	ENERGY EXCHANGE TRANSACTIONS				
41	POWER EXCHANGE -IEX	0.000	0.000	0.000	0.000
42	TO POWER EXCHANGE - IEX	-13.400	-14.027	-13.400	-14.027
43	TO POWER EXCHANGE - (PX)	0.000	0.000	0.000	0.000
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES (TOTAL 41 TO 43)	-13.400	-14.027	-13.400	-14.027
J	TOTAL DRAWAL FROM THE NORTHERN GRID (A+B+C+D+E+F+G+H+I)	977.484	912.483	911.117	848.057
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				15.662
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				839.881
M	OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID				-160.713
	AVAILABILITY FROM OWN SOURCES				
N	IP				61.977
O	1/3rd HSEB SHARE IN IP				15.422
P	JHAZZAR SHARE IN IP				0.240
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				46.315
R	RPH				76.420
S	GT				103.563
T	PRAGATI				220.795
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				447.093
V	IMPORT FROM BTPS				360.191
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				807.284
X	GROSS CONSUMPTION (L+M+W)				1486.452
Y	LOAD SHEDDING				3.021
Z	REQUIREMENT((X+Y)				1489.473
AA	% DEPENDENCE ON N.GRID				57.56
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				27.060
AC	NET CONSUMPTION OF DELHI (X-AB)				1459.392

8.9 Power supply position during the month of December 2008

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	114.307	108.962	113.829	108.506
2	RIHAND-I	74.761	71.258	74.436	70.948
3	RIHAND-II	97.696	93.124	97.270	92.717
4	UNCHAHAR-I	17.609	16.786	16.943	16.152
5	UNCHAHAR-II	33.916	32.334	32.939	31.405
6	UNCHAHAR-III	21.886	20.861	21.080	20.095
7	DADRI(TH)	544.581	519.065	528.211	503.484
8	FARAKA	23.537	22.647	22.078	21.049
9	KHELGAON	44.454	42.782	42.417	40.438
10	KHELGAON-II	36.551	35.174	34.841	33.207
11	ANTA(GT)	17.705	16.881	17.639	16.818
	ANTA(Liquid)	7.271	6.930	1.066	1.016
	ANTA(RLNG)	0.647	0.618	0.000	0.000
12	AURAIYA(GT)	35.630	33.962	35.499	33.837
	AURAIYA(Liquid)	14.376	13.699	2.188	2.086
	AURAIYA(RLNG)	1.404	1.341	0.000	0.000
13	DADRI(GT)	37.862	36.097	37.373	35.631
	DADRI(Liquid)	21.661	20.649	0.732	0.699
	DADRI (RLNG)	0.000	0.000	0.000	0.000
A	TOTAL NTPC (TOTAL 1 TO 13)	1145.854	1093.170	1078.541	1028.088
14	TANAKPUR	2.192	2.090	2.192	2.090
15	CHAMERA-I	4.384	4.179	4.384	4.179
16	CHAMERA-II	6.174	5.886	6.174	5.886
17	BAIRA SUIL	1.845	1.758	1.845	1.758
18	SALAL	11.240	10.711	11.240	10.711
19	DULASTI	13.802	13.157	13.802	13.157
20	DAULI GANGA	5.882	5.608	5.882	5.608
21	URI (HEP)	20.938	19.946	20.938	19.946
B.	TOTAL NHPC (TOTAL 14 TO 21)	66.457	63.335	66.457	63.335
22	NAPP	1.209	1.155	1.209	1.155
23	RAPP (B-4)	1.234	1.176	1.234	1.176
24	RAPP (B-3)	1.460	1.391	1.459	1.390
C	TOTAL NPC (22 TO 24)	3.903	3.722	3.902	3.721
D	NATHPA JHAKHRI	25.982	24.768	25.982	24.768
E	TEHRI HEP	21.778	20.752	21.778	20.752
F	TALA	3.977	3.825	3.825	3.647

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
29	DVC	42.143	40.537	40.535	38.599
34	HARYANA	12.150	11.573	12.150	11.573
49	UN-REQUISITIONED SURPLUS	2.240	2.130	2.240	2.130
G.	TOTAL BILATERAL IMPORT	56.533	54.240	54.925	52.302
	BILATERAL EXPORT				
	UTTRANCHAL	13.704	14.363	13.704	14.363
56	MADHYA PRADESH	70.337	73.984	73.984	77.556
57	RAJASTHAN	177.604	186.311	177.604	186.311
58	ANDHRA PRADESH	1.511	1.573	1.573	1.650
59	MAHARASHTRA	8.442	8.874	8.874	9.323
60	TATA POWER	0.876	0.917	0.917	0.960
64	HIMACHAL PRADESH	23.410	24.559	23.410	24.559
66	RELIANCE (REL)	0.225	0.235	0.235	0.246
67	RELIANCE (RIL)	3.758	3.945	3.945	4.137
69	KERALA	5.796	6.015	6.015	6.318
H	TOTAL BILATERAL EXPORT	305.663	320.776	310.261	325.423
	ENERGY EXCHANGE TRANSACTIONS				
72	POWER EXCHANGE -IEX	0.000	0.000	0.000	0.000
73	TO POWER EXCHANGE - IEX	-69.231	-72.638	-69.231	-72.638
74	TO POWER EXCHANGE - (PX)	0.000	0.000	0.000	0.000
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES	-69.231	-72.638	-69.231	-72.638
J	TOTAL DRAWAL FROM THE NORTHERN GRID (A+B+C+D+E+F+G+H+I)	949.589	870.398	875.918	798.553
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				21.576
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				776.977
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-137.577
	AVAILABILITY FROM OWN SOURCES				
N	IP				85.930
O	1/3rd HSEB SHARE IN IP				21.328
P	JHAZZAR SHARE IN IP				0.248
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				64.354
R	RPH				78.036
S	GT				103.088
T	PRAGATI				229.569
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				475.047
V	IMPORT FROM BTPS				440.548
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				915.595
X	GROSS CONSUMPTION (L+M+W)				1554.995
Y	LOAD SHEDDING				6.733
Z	REQUIREMENT((X+Y)				1561.728
AA	% DEPENDENCE ON N.GRID				51.35
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				30.140
AC	NET CONSUMPTION OF DELHI (X-AB)				1524.855

8.10 Power supply position during the month of January 2009

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	97.974	92.762	97.392	92.211
2	RIHAND-I	74.698	70.728	73.968	70.038
3	RIHAND-II	94.921	89.877	94.025	89.029
4	UNCHAHAR-I	17.063	16.158	15.670	14.841
5	UNCHAHAR-II	33.865	32.065	31.138	29.486
6	UNCHAHAR-III	19.014	18.004	17.387	16.465
7	DADRI(TH)	533.356	505.016	512.744	485.521
8	FARAKA	17.074	16.515	16.368	15.498
9	KHELGAON	30.392	29.395	29.128	27.578
10	KHELGAON-II	55.460	53.630	52.898	50.090
11	ANTA(GT)	14.262	13.506	14.202	13.449
	ANTA(Liquid)	9.142	8.662	2.331	2.208
	ANTA(RLNG)	0.000	0.000	0.000	0.000
12	AURAIYA(GT)	25.406	24.054	25.256	23.915
	AURAIYA(Liquid)	15.540	14.706	2.959	2.800
	AURAIYA(RLNG)	0.024	0.023	0.000	0.000
13	DADRI(GT)	34.232	32.405	33.760	31.959
	DADRI(Liquid)	24.631	23.326	6.724	6.365
	DADRI (RLNG)	0.065	0.062	0.000	0.000
A	TOTAL NTPC (TOTAL 1 TO 13)	1097.119	1040.894	1025.950	971.453
14	TANAKPUR	2.092	1.980	2.092	1.980
15	CHAMERA-I	5.069	4.800	5.069	4.800
16	CHAMERA-II	5.627	5.328	5.627	5.328
17	BAIRA SUIL	2.530	2.396	2.530	2.396
18	SALAL	12.155	11.512	12.155	11.512
19	DULASTI	11.393	10.787	11.393	10.787
20	DAULI GANGA	4.326	4.096	4.326	4.096
21	URI (HEP)	21.094	19.985	21.094	19.985
B.	TOTAL NHPC (TOTAL 14 TO 21)	64.286	60.884	64.286	60.884
22	NAPP	0.000	0.000	0.000	0.000
23	RAPP (B-4)	1.408	1.333	1.402	1.327
24	RAPP (B-3)	1.418	1.343	1.418	1.343
C	TOTAL NPC (22 TO 24)	2.826	2.676	2.820	2.670
D	NATHPA JHAKHRI	21.555	20.411	21.555	20.411
E	TEHRI HEP	28.391	26.882	28.391	26.882
F	TALA	2.735	2.645	2.645	2.504

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	KAWAS	0.139	0.132	0.132	0.125
26	DVC	44.683	43.201	43.200	40.901
27	HARYANA	16.275	15.410	16.275	15.410
28	TPHWB	4.044	3.911	3.758	3.563
29	TATA POWER	1.423	1.374	1.319	1.244
30	WEST BENGAL	0.300	0.290	0.290	0.275
31	UN-REQUISITIONED SURPLUS	1.360	1.289	1.360	1.289
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 31)	68.224	65.607	66.334	62.807
	BILATERAL EXPORT				
32	UTTRANCHAL	28.837	30.439	28.837	30.439
33	MADHYA PRADESH	6.395	6.753	6.753	7.116
34	RAJASTHAN	123.880	130.809	123.880	130.809
35	ANDHRA PRADESH	0.154	0.162	0.162	0.172
36	MAHARASHTRA	0.089	0.093	0.093	0.099
37	HIMACHAL PRADESH	47.186	49.834	47.186	49.834
38	RELIANCE (RIL)	0.670	0.706	0.706	0.739
H	TOTAL BILATERAL EXPORT (TOTAL 32 TO 38)	207.211	218.796	207.617	219.208
	ENERGY EXCHANGE TRANSACTIONS				
39	POWER EXCHANGE - IEX	0.124	0.117	0.124	0.117
40	TO POWER EXCHANGE - IEX	-29.479	-31.099	-29.479	-31.099
41	TO POWER EXCHANGE - (PX)	-1.150	-1.211	-1.150	-1.211
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES (TOTAL 39 TO 41)	-30.505	-32.193	-30.505	-32.193
J	TOTAL DRAWAL FROM THE NORTHERN GRID (A+B+C+D+E+F+G+H+I)	1047.421	969.012	973.860	896.211
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				24.947
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				871.264
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-79.816
	AVAILABILITY FROM OWN SOURCES				
N	IP				86.602
O	1/3rd HSEB SHARE IN IP				24.699
P	JHAZZAR SHARE IN IP				0.248
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				61.655
R	RPH				73.530
S	GT				102.155
T	PRAGATI				170.818
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				408.158
V	IMPORT FROM BTPS				463.006
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				871.164
X	GROSS CONSUMPTION (L+M+W)				1662.612
Y	LOAD SHEDDING				14.953
Z	REQUIREMENT((X+Y)				1677.565
AA	% DEPENDENCE ON N.GRID				53.90
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				27.275
AC	NET CONSUMPTION OF DELHI (X-AB)				1635.337

8.11 Power supply position during the month of February 2009

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	90.771	86.524	90.610	86.370
2	RIHAND-I	67.231	64.069	67.123	63.965
3	RIHAND-II	82.549	78.661	82.408	78.528
4	UNCHAHAR-I	15.826	15.081	15.652	14.916
5	UNCHAHAR-II	31.305	29.832	30.966	29.509
6	UNCHAHAR-III	19.173	18.271	18.964	18.071
7	DADRI(TH)	477.685	455.195	474.880	452.521
8	FARAKA	16.678	16.182	16.123	15.364
9	KHELGAON	28.472	27.626	27.524	26.234
10	KHELGAON-II	47.339	45.932	45.761	43.611
11	ANTA(GT)	18.277	17.418	18.249	17.392
	ANTA(Liquid)	10.167	9.690	3.520	3.357
	ANTA(RLNG)	1.195	1.136	0.109	0.103
12	AURAIYA(GT)	25.217	24.031	25.179	23.994
	AURAIYA(Liquid)	8.791	8.380	3.024	2.885
	AURAIYA(RLNG)	0.897	0.852	0.157	0.149
13	DADRI(GT)	25.549	24.335	25.483	24.272
	DADRI(Liquid)	24.299	23.159	8.228	7.851
	DADRI (RLNG)	4.914	4.685	1.665	1.589
A	TOTAL NTPC (TOTAL 1 TO 13)	996.335	951.059	955.625	910.681
14	TANAKPUR	1.800	1.715	1.800	1.715
15	CHAMERA-I	4.778	4.554	4.778	4.554
16	CHAMERA-II	4.398	4.192	4.398	4.192
17	BAIRA SUIL	3.183	3.033	3.183	3.033
18	SALAL	13.350	12.723	13.350	12.723
19	DULASTI	9.957	9.488	9.957	9.488
20	DAULI GANGA	3.488	3.323	3.488	3.323
21	URI (HEP)	28.064	26.746	28.064	26.746
B.	TOTAL NHPC (TOTAL 14 TO 21)	69.018	65.774	69.018	65.774
22	NAPP	5.303	5.056	5.303	5.056
23	RAPP (B-4)	0.798	0.760	0.798	0.760
24	RAPP (B-3)	1.039	0.990	1.039	0.990
C	TOTAL NPC (22 TO 24)	7.140	6.806	7.140	6.806
D	NATHPA JHAKHRI	18.329	17.466	18.329	17.466
E	TEHRI HEP	23.222	22.130	23.222	22.130
F	TALA	1.669	1.619	1.619	1.543

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	DVC	42.297	41.036	41.036	39.088
26	HARYANA	11.288	10.749	11.288	10.749
27	RAJASTHAN	0.268	0.254	0.268	0.254
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 27)	53.853	52.039	52.592	50.091
	BILATERAL EXPORT				
28	UTTRANCHAL	21.217	22.273	21.217	22.273
29	UTTER PRADESH	26.187	27.432	26.187	27.432
30	MADHYA PRADESH	49.192	52.055	52.055	54.620
31	RAJASTHAN	73.640	77.275	73.640	77.275
32	MAHARASHTRA	2.726	2.882	2.885	3.029
33	HIMACHAL PRADESH	82.230	86.302	82.230	86.302
34	JAMMU & KASHMIR	1.314	1.379	1.314	1.379
35	GRIDCO	0.160	0.165	0.165	0.172
H	TOTAL BILATERAL EXPORT (TOTAL 28 TO 35)	256.666	269.763	259.693	272.482
	ENERGY EXCHANGE TRANSACTIONS				
36	POWER EXCHANGE -IEX	0.090	0.086	0.090	0.086
37	TO POWER EXCHANGE - IEX	-22.391	-23.507	-22.391	-23.507
38	TO POWER EXCHANGE - (PX)	-0.100	-0.105	-0.100	-0.105
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES (TOTAL 36 TO 38)	-22.401	-23.526	-22.401	-23.526
J	TOTAL DRAWAL FROM THE NORTHERN GRID (A+B+C+D+E+F+G+H+I)	890.495	823.601	845.447	778.483
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				24.461
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				754.022
M	OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID				-151.559
	AVAILABILITY FROM OWN SOURCES				
N	IP				90.718
O	1/3rd HSEB SHARE IN IP				24.237
P	JHAZZAR SHARE IN IP				0.224
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				66.257
R	RPH				70.188
S	GT				95.876
T	PRAGATI				160.104
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				392.425
V	IMPORT FROM BTPS				419.480
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				811.905
X	GROSS CONSUMPTION (L+M+W)				1414.368
Y	LOAD SHEDDING				8.858
Z	REQUIREMENT((X+Y)				1423.226
AA	% DEPENDENCE ON N.GRID				55.04
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				26.239
AC	NET CONSUMPTION OF DELHI (X-AB)				1388.129

8.12 Power supply position during the month of March 2009

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	109.037	104.739	108.307	104.038
2	RIHAND-I	75.013	72.055	74.412	71.478
3	RIHAND-II	94.268	90.550	93.554	89.864
4	UNCHAHAR-I	17.577	16.884	16.764	16.102
5	UNCHAHAR-II	33.355	32.044	31.734	30.485
6	UNCHAHAR-III	20.453	19.647	19.459	18.692
7	DADRI(TH)	539.933	518.651	527.770	506.952
8	FARAKA	18.488	17.958	18.181	17.330
9	KHELGAON	37.283	36.211	36.540	34.827
10	KHELGAON-II	64.959	63.092	63.804	60.817
11	ANTA(GT)	21.351	20.509	21.156	20.321
	ANTA(Liquid)	7.912	7.599	2.104	2.020
	ANTA(RLNG)	2.176	2.092	0.223	0.214
12	AURAIYA(GT)	36.609	35.165	36.364	34.930
	AURAIYA(Liquid)	8.322	7.992	2.133	2.047
	AURAIYA(RLNG)	4.990	4.798	0.945	0.910
13	DADRI(GT)	43.793	42.081	43.336	41.641
	DADRI(Liquid)	12.516	11.997	3.780	3.622
	DADRI (RLNG)	6.113	5.878	1.638	1.575
A	TOTAL NTPC (TOTAL 1 TO 13)	1154.148	1109.942	1102.204	1057.865
14	TANAKPUR	1.666	1.600	1.666	1.600
15	CHAMERA-I	6.539	6.283	6.539	6.283
16	CHAMERA-II	6.728	6.464	6.728	6.464
17	BAIRA SUIL	4.265	4.098	4.265	4.098
18	SALAL	15.707	15.091	15.707	15.091
19	DULASTI	12.982	12.474	12.982	12.474
20	DAULI GANGA	3.657	3.512	3.657	3.512
21	URI (HEP)	38.716	37.190	38.716	37.190
B.	TOTAL NHPC (TOTAL 14 TO 21)	90.260	86.712	90.260	86.712
22	NAPP	7.704	7.401	7.699	7.396
23	RAPP (B-4)	1.063	1.021	1.063	1.021
24	RAPP (B-3)	1.433	1.377	1.433	1.377
C	TOTAL NPC (22 TO 24)	10.200	9.799	10.195	9.794
D	NATHPA JHAKHRI	22.690	21.798	22.690	21.798
E	TEHRI HEP	22.217	21.339	22.217	21.339
F	TALA	1.516	1.473	1.473	1.403

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	DVC	49.816	48.390	48.391	46.485
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 25)	49.816	48.390	48.391	46.485
	BILATERAL EXPORT				
26	HARYANA	0.569	0.593	0.569	0.593
27	UTTER PRADESH	32.252	33.589	32.252	33.589
28	UTTRANCHAL	56.431	58.734	56.431	58.734
29	MADHYA PRADESH	9.739	10.297	10.297	10.732
30	RAJASTHAN	87.937	91.606	87.937	91.606
31	ANDHRA PRADESH	30.067	30.947	30.947	32.198
32	MAHARASHTRA	0.383	0.406	0.406	0.424
33	TATA POWER	0.245	0.259	0.259	0.271
34	HIMACHAL PRADESH	38.015	39.606	38.015	39.606
35	RELIANCE (RIL)	0.178	0.189	0.189	0.197
36	KERALA	0.275	0.284	0.284	0.296
37	GRIDCO	0.251	0.259	0.259	0.271
38	ORISSA	14.822	15.245	15.245	15.839
H	TOTAL BILATERAL EXPORT (TOTAL 26 TO 38)	271.164	282.014	273.090	284.356
	ENERGY EXCHANGE TRANSACTIONS				
39	POWER EXCHANGE -IEX	0.229	0.221	0.229	0.221
40	TO POWER EXCHANGE - IEX	-57.161	-59.458	-57.161	-59.458
41	TO POWER EXCHANGE - (PX)	-4.580	-4.764	-4.580	-4.764
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES (TOTAL 39 TO 41)	-61.512	-64.001	-61.512	-64.001
J	TOTAL DRAWAL FROM THE NORTHERN GRID (A+B+C+D+E+F+G+H+I)	1018.167	953.440	962.829	897.043
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				25.847
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				871.196
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-211.090
	AVAILABILITY FROM OWN SOURCES				
N	IP				100.238
O	1/3rd HSEB SHARE IN IP				25.479
P	JHAZZAR SHARE IN IP				0.368
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				74.391
R	RPH				74.038
S	GT				123.431
T	PRAGATI				197.741
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				469.601
V	IMPORT FROM BTPS				450.672
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				920.273
X	GROSS CONSUMPTION (L+M+W)				1580.379
Y	LOAD SHEDDING				1.642
Z	REQUIREMENT((X+Y)				1582.021
AA	% DEPENDENCE ON N.GRID				56.76
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				30.681
AC	NET CONSUMPTION OF DELHI (X-AB)				1549.698

8.13 Consolidated Power Supply Position for 2008-09

All figures in MUs

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
1	SINGRAULI	1264.183	1214.296	1258.398	1208.723
2	RIHAND-I	845.840	812.084	841.345	807.758
3	RIHAND-II	1131.743	1086.952	1125.870	1081.300
4	UNCHAHAR-I	186.662	179.162	181.157	173.883
5	UNCHAHAR-II	405.662	389.645	394.371	378.813
6	UNCHAHAR-III	232.144	223.056	225.767	216.946
7	DADRI(TH)	6100.124	5857.631	5974.159	5736.662
8	FARAKA	309.829	298.371	294.329	282.907
9	KHELGAON	564.721	543.841	539.290	518.299
10	KHELGAON-II	309.335	298.661	296.431	283.087
11	ANTA(GT)	229.292	220.283	227.315	218.371
	ANTA(Liquid)	90.662	87.015	26.123	25.105
	ANTA(RLNG)	24.773	23.802	11.988	11.545
12	AURAIYA(GT)	352.303	338.310	349.178	335.295
	AURAIYA(Liquid)	176.458	169.621	44.683	42.989
	AURAIYA(RLNG)	36.828	35.383	18.850	18.146
13	DADRI(GT)	435.448	418.243	429.937	412.931
	DADRI(Liquid)	273.137	262.322	92.970	89.474
	DADRI (RLNG)	11.968	11.465	4.140	3.966
A	TOTAL NTPC (TOTAL 1 TO 13)	12981.112	12470.143	12336.301	11846.200
14	TANAKPUR	45.874	44.162	45.874	44.162
15	CHAMERA-I	168.893	162.784	168.893	162.784
16	CHAMERA-II	206.756	199.289	206.756	199.289
17	BAIRA SUIL	73.534	70.831	73.534	70.831
18	SALAL	349.183	336.419	349.183	336.419
19	DULASTI	309.039	297.613	309.039	297.613
20	DAULI GANGA	162.087	156.187	162.087	156.187
21	URI (HEP)	331.722	318.880	331.722	318.880
B.	TOTAL NHPC (TOTAL 14 TO 21)	1647.088	1586.165	1647.088	1586.165
22	NAPP	74.546	71.774	74.531	71.760
23	RAPP (B-4)	13.562	13.024	13.549	13.011
24	RAPP (B-3)	12.549	12.039	12.542	12.032
C	TOTAL NPC (22 TO 24)	100.657	96.837	100.622	96.803
D	NATHPA JHAKHRI	683.825	658.826	683.825	658.826
E	TEHRI HEP	349.263	335.804	349.263	335.804
F	TALA	124.404	119.526	119.526	115.193

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
	BILATERAL IMPORT				
25	UTTRANCHAL	227.931	220.132	227.931	220.132
26	KAWAS	1.617	1.526	1.526	1.471
27	DVC	260.092	251.108	251.105	240.282
28	SIKKIM (ADANI)	3.845	3.711	3.711	3.555
29	JINDAL STEEL	2.555	2.448	2.227	2.141
30	JINDAL POWER LTD.	3.230	3.084	3.084	2.991
31	NAV BHARAT (TATA)	25.329	24.457	23.356	22.476
32	NAV BHARAT (REL)	141.187	135.261	122.665	118.434
33	HARYANA	39.912	37.925	39.912	37.925
34	BESCO (KALYANI)	29.741	28.625	26.205	25.298
35	MADHYA PRADESH	1.160	1.113	1.102	1.066
36	RAJASTHAN	0.268	0.254	0.268	0.254
37	MAHARASHTRA	157.595	149.960	141.112	136.245
38	MAHARASHTRA (ER)	26.616	25.493	23.488	22.638
39	MAHARASHTRA (WR)	11.313	10.859	9.845	9.488
40	HIMACHAL PRADESH	190.076	183.677	190.076	183.677
41	TPHWB	4.044	3.911	3.758	3.563
42	TATA POWER	1.423	1.374	1.319	1.244
43	TISCO	1.649	1.582	1.537	1.491
44	GUJRAT	0.625	0.597	0.597	0.576
45	GANDHAR	0.245	0.234	0.234	0.226
46	KARNATKA	0.139	0.134	0.122	0.117
47	WEST BENGAL	4.113	3.952	3.952	3.804
48	UN-REQUISITIONED SURPLUS	21.696	20.922	21.696	20.922
G.	TOTAL BILATERAL IMPORT (TOTAL 25 TO 48)	1156.401	1112.339	1100.828	1060.016
	BILATERAL EXPORT				
49	HARYANA	133.268	138.187	133.268	138.187
50	UTTER PRADESH	72.955	76.065	72.955	76.065
51	UTTRANCHAL	133.500	139.698	133.500	139.698
52	GOA	1.797	1.894	1.894	1.975
53	PUNJAB	24.474	25.320	24.474	25.320
54	BESCO (KALYANI)	4.094	4.313	4.313	4.494
55	BESCO (TATA)	0.305	0.323	0.334	0.345
56	MADHYA PRADESH	225.966	237.702	237.702	248.795
57	RAJASTHAN	596.250	624.928	596.250	624.928
58	ANDHRA PRADESH	156.607	163.688	163.688	170.016
59	MAHARASHTRA	43.047	45.319	45.322	47.244
60	TATA POWER	11.985	12.652	12.652	13.150
61	TAMINL NADU	6.372	6.641	6.641	6.893
62	TISCO	0.189	0.198	0.198	0.207
63	CHHATTISGARH (TATA)	0.746	0.794	0.794	0.821

Sr. NO.	DETAILS OF THE IMPORT FROM THE GRID INDICATING DIFFERENT SOURCES	Requirement at Power Plant	Requirement at Periphery	Allocation made by NRLDC at Power Plant	Allocation made by NRLDC at Periphery
64	HIMACHAL PRADESH	254.929	267.087	254.929	267.087
65	JAMMU & KASHMIR	1.314	1.379	1.314	1.379
66	RELIANCE (REL)	2.767	2.896	2.896	3.030
67	RELIANCE (RIL)	4.606	4.840	4.840	5.073
68	GUJARAT	10.784	11.292	11.292	11.808
69	KERALA	6.523	6.769	6.769	7.107
70	GRIDCO	0.411	0.424	0.424	0.443
71	ORISSA	14.822	15.245	15.245	15.839
H	TOTAL BILATERAL EXPORT (TOTAL 49 TO 71)	1707.711	1787.654	1731.694	1809.904
	ENERGY EXCHANGE TRANSACTIONS				
72	POWER EXCHANGE - IEX	2.162	2.087	2.162	2.087
73	TO POWER EXCHANGE - IEX	-196.104	-205.336	-196.104	-205.336
74	TO POWER EXCHANGE - (PX)	-5.830	-6.080	-5.830	-6.080
I	TOTAL EXPORT (-) / IMPORT (+) FROM ENERGY EXCHANGES	-199.772	-209.329	-199.772	-209.329
J	TOTAL DRAWAL FROM THE NORTHERN GRID (A+B+C+D+E+F+G+H+I)	15135.267	14382.657	14405.987	13679.774
K	HARYANA SHARE INCLUDING JHAZZAR TO BE ADJUSTED				250.980
L	TOTAL DRAWAL SCHEDULE AFTER ADJUSTMENT (J-K)				13428.794
M	OVER DRAWL(+)/UNDER DRAWAL(-) FROM THE GRID				-1424.545
	AVAILABILITY FROM OWN SOURCES				
N	IP				955.016
O	1/3rd HSEB SHARE IN IP				247.940
P	JHAZZAR SHARE IN IP				3.040
Q	NET GEN. AVAIL.FOR DTL IN IP (N-O-P)				704.036
R	RPH				877.074
S	GT				1280.663
T	PRAGATI				2401.028
U	TOTAL AVAILABILITY FROM OWN SOURCES (Q+R+S+T)				5262.801
V	IMPORT FROM BTPS				5080.579
W	TOTAL AVAILABILITY WITHIN DELHI (U+V)				10343.380
X	GROSS CONSUMPTION (L+M+W)				22347.629
Y	LOAD SHEDDING				127.983
Z	REQUIREMENT((X+Y)				22475.612
AA	% DEPENDENCE ON N.GRID				61.21
AB	AUXILIARY CONSUMPTION OF GENERATING STATIONS OF GENCO				341.451
AC	NET CONSUMPTION OF DELHI (X-AB)				22006.178

8.14 LOAD SHEDDING DETAILS FOR 2008-09

Month	No. of under Freq. trippings occurred	Shedding due to grid restriction in MUs			Shedding due to low freq./ over drawa in MUs		
		Due to Under Freq. tripping	Shedding due to low / Northern Grid Constraints	Total In Mus.	BYPL	BRPL	TOTAL BSES
		(1)	(2)	(3)	(4=2+3)	(5)	(6)
APR'08	901	17.690	0.000	17.690	0.898	0.914	1.812
MAY'08	65	0.699	0.000	0.699	0.000	0.000	0.000
JUN'08	97	2.096	0.000	2.096	0.117	0.370	0.487
JUL'08	176	3.344	0.000	3.344	0.244	0.190	0.434
AUG.'08	134	2.851	0.000	2.851	0.387	0.983	1.370
SEP.'08	412	7.277	0.000	7.277	2.066	7.423	9.489
OCT.'08	208	3.878	0.000	3.878	0.380	1.298	1.678
NOV.'08	10	0.020	0.000	0.020	0.000	0.000	0.000
DEC.'08	17	0.070	0.709	0.779	0.000	0.000	0.000
JAN.'09	33	0.787	0.000	0.787	0.125	3.763	3.888
FEB.'09	35	0.430	0.000	0.430	0.553	1.779	2.332
MAR'09	17	0.085	0.000	0.085	0.135	0.240	0.375
TOTAL	2105	39.227	0.709	39.936	4.905	16.960	21.865

MONTH	SHEDDING DUE TO LOW FREQUENCY / OVER DRAWAL IN MUs					TOTAL SHEDDING DUE TO GRID RESTRICTIONS in Mus.	
	NDPL In Mus.	MES In Mus.	NDMC In Mus.	LOAD SHEDDING CARRIED OUT BY DTL DUE TO LOW FREQ. / LOW VOLTAGE			TOTAL In Mus.
				BSES	NDPL		
(8)	(9)	(10)	(11)	(12)	(13)=(7) to (12))	(14)=(4)+(13))	
APR'08	3.087	0.000	0.000	0.000	0.000	4.899	22.589
MAY'08	0.132	0.000	0.000	0.000	0.000	0.132	0.831
JUN'08	0.597	0.000	0.000	0.000	0.000	1.084	3.180
JUL'08	0.216	0.000	0.000	0.000	0.000	0.650	3.994
AUG.'08	0.532	0.000	0.000	0.000	0.000	1.902	4.753
SEP.'08	4.359	0.000	0.000	0.000	0.000	13.848	21.125
OCT.'08	2.483	0.000	0.000	0.000	0.000	4.161	8.039
NOV.'08	0.206	0.000	0.000	0.000	0.000	0.206	0.226
DEC.'08	0.000	0.000	0.000	0.000	0.000	0.709	0.779
JAN.'09	3.045	0.000	0.000	0.000	0.000	6.933	7.720
FEB.'09	0.400	0.000	0.000	0.000	0.000	2.732	3.162
MAR'09	0.083	0.000	0.000	0.000	0.000	0.458	0.543
TOTAL	15.140	0.000	0.000	0.000	0.000	37.983	76.941

MONTH	LOAD SHEDDING DUE TO CONSTRAINTS IN DTL SYSTEM						LOAD SHEDDING DUE TO T&D CONSTRAINTS		
	BYPL	BRPL	NDPL	NMDC	MES	Total	BYPL	BRPL	NDPL
APR'08				0.000	0.000	0.695	0.215	0.952	0.700
MAY'08				0.000	0.000	1.662	0.373	3.320	0.948
JUN'08				0.000	0.000	0.597	0.391	2.241	2.416
JUL'08	0.387	0.363	0.178	0.000	0.000	0.928	0.328	2.444	0.894
AUG.'08	0.368	0.053	0.091	0.012	0.000	0.524	0.360	2.244	0.171
SEP.'08	0.260	0.159	0.020	0.007	0.000	0.446	0.097	1.858	0.187
OCT.'08	0.220	0.090	0.092	0.000	0.000	0.402	0.050	2.193	0.049
NOV.'08	0.054	0.067	0.045	0.001	0.001	0.168	0.110	0.136	0.067
DEC.'08	0.044	0.089	0.019	0.000	0.000	0.152	0.007	0.200	0.056
JAN.'09	0.101	0.431	0.508	0.000	0.000	1.040	0.071	0.067	0.061
FEB.'09	0.062	0.036	0.024	0.000	0.000	0.122	0.097	0.109	0.046
MAR'09	0.169	0.040	0.112	0.000	0.000	0.321	0.062	0.223	0.147
TOTAL	1.665	1.328	1.089	0.020	0.001	7.057	2.161	15.987	5.742

Month	Shedding due to other agencies	Load shedding in Theft Prone Areas					Total due to T&D Constraints & Theft Prone shedding	Grand Total
		BRPL	BYPL	Total BSES	NDPL			
APR'08	0.169	0.000	0.000	0.000	0.000	2.731	25.320	
MAY'08	0.084	0.000	0.000	0.000	0.000	6.387	7.218	
JUN'08	0.084	0.000	0.000	0.000	0.000	5.729	8.909	
JUL'08	0.107	0.000	0.000	0.000	0.000	4.701	8.695	
AUG.'08	0.116	0.000	0.000	0.000	0.000	3.415	8.168	
SEP.'08	0.006	0.000	0.000	0.000	0.000	2.594	23.719	
OCT.'08	0.014	0.000	0.000	0.000	0.000	2.708	10.747	
NOV.'08	0.000	0.106	2.208	2.314	0.000	2.795	3.021	
DEC.'08	0.029	0.189	2.426	2.615	2.895	5.954	6.733	
JAN.'09	0.026	0.210	2.249	2.459	3.509	7.233	14.953	
FEB.'09	0.022	0.168	1.861	2.029	3.271	5.696	8.858	
MAR'09	0.020	0.006	0.056	0.062	0.264	1.099	1.642	
TOTAL	0.677	0.679	8.800	9.479	9.939	51.042	127.983	

8.15 DEMAND - AVAILABILITY-DEMAND POSITION OF DELHI AT THE TIME OF PEAK DEMAND MET DURING 2008-09

Month	Time of peak demand	Generation within Delhi						Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		IP	RPH	GT	PPCL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (3) to (7)	(9)	(10)	(11)= (10) - (9)	(12)= (10)+ (11)	(13)	(14)= (12)+ (13)
Apr-08 30.04.08	19:57:00	119	95	193	288	619	1314	2052	1961	-91	3366	100	3466
May-08 16.05.08	16:10:00	144	47	170	288	627	1276	2308	2122	-186	3584	8	3592
Jun-08 26.06.08	15:16:33	34	100	76	291	696	1197	2635	2352	-283	3832	69	3901
Jul-08 24.07.08	15:06:36	109	101	106	297	596	1209	2825	2349	-476	4034	2	4036
Aug-08 27.08.08	22:15:13	90	98	159	138	362	847	3045	2316	-729	3892	0	3892
Sep-08 05.09.08	19:58:01	97	95	109	297	547	1145	2800	2056	-744	3945	0	3945
Oct-08 06.10.08	19:16:25	77	102	153	299	517	1148	2502	2282	-220	3650	0	3650
Nov-08 06.11.08	18:14:57	101	100	147	305	418	1071	1848	1905	57	2919	0	2919
Dec-08 31.12.08	9:14:31	99	91	138	264	624	1216	1937	1768	-169	3153	29	3182
Jan-09 14.01.09	8:00:00	127	92	194	223	632	1268	1963	1790	-173	3231	31	3262
Feb-09 13.02.09	7:47:48	147	93	169	143	626	1178	1927	1679	-248	3105	0	3105
Mar-09 19.03.09	19:21:00	105	90	166	148	649	1158	1841	1668	-173	2999	0	2999

8.16 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF OCCURRENCE OF MAXIMUM UNRESTRICTED DEMAND DURING 2008-09

Month	Time of peak demand	Generation within Delhi						Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		IP	RPH	GT	PPCL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (3) to (7)	(9)	(10)	(11)= (10) - (9)	(12)= (10)+ (11)	(13)	(14)= (12)+ (13)
Apr-08 30.04.08	19:57:00	119	95	193	288	619	1314	2052	1961	-91	3366	100	3466
May-08 16.05.08	16:10:00	144	47	170	288	627	1276	2308	2122	-186	3584	8	3592
Jun-08 26.06.08	15:16:33	34	100	76	291	696	1197	2635	2352	-283	3832	69	3901
Jul-08 24.07.08	15:06:36	109	101	106	297	596	1209	2825	2349	-476	4034	2	4036
Aug-08 27.08.08	22:15:13	90	98	159	138	362	847	3045	2316	-729	3892	0	3892
Sep-08 05.09.08	19:58:01	97	95	109	297	547	1145	2800	2056	-744	3945	0	3945
Oct-08 06.10.08	19:16:25	77	102	153	299	517	1148	2502	2282	-220	3650	0	3650
Nov-08 06.11.08	18:14:57	101	100	147	305	418	1071	1848	1905	57	2919	0	2919
Dec-08 31.12.08	9:14:31	99	91	138	264	624	1216	1937	1768	-169	3153	29	3182
Jan-09 14.01.09	8:00:00	127	92	194	223	632	1268	1963	1790	-173	3231	31	3262
Feb-09 13.02.09	7:47:48	147	93	169	143	626	1178	1927	1679	-248	3105	0	3105
Mar-09 19.03.09	19:21:00	105	90	166	148	649	1158	1841	1668	-173	2999	0	2999

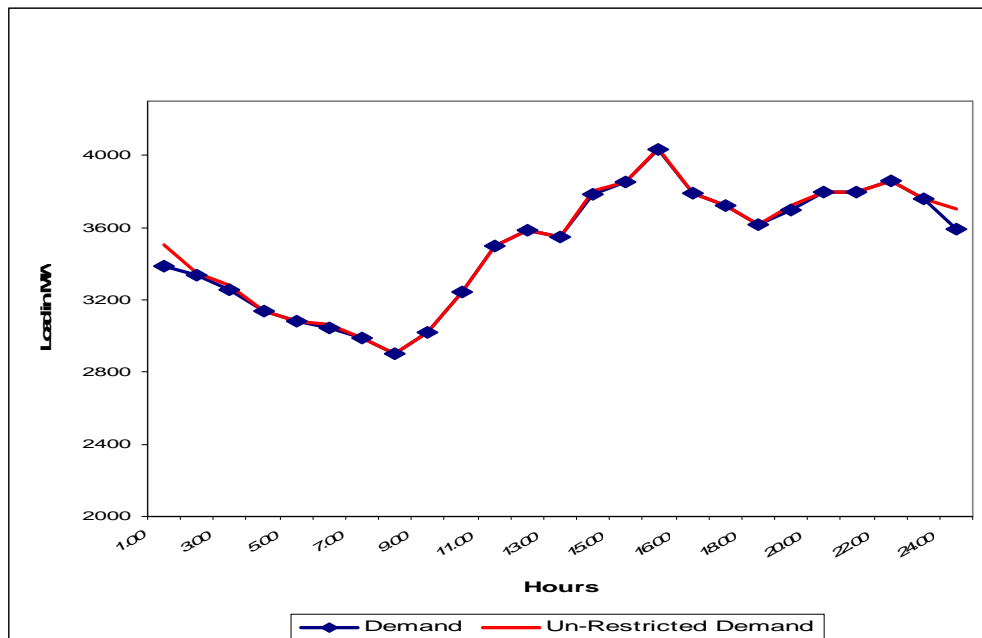
8.17 LOAD PATTERN

8.17.1 SUMMER SEASON

8.17.1.1 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM PEAK DEMAND MET DURING SUMMER 2008-09 – 24.07.2008 – 4034MW at 15:06:36Hrs.

All figures in MW

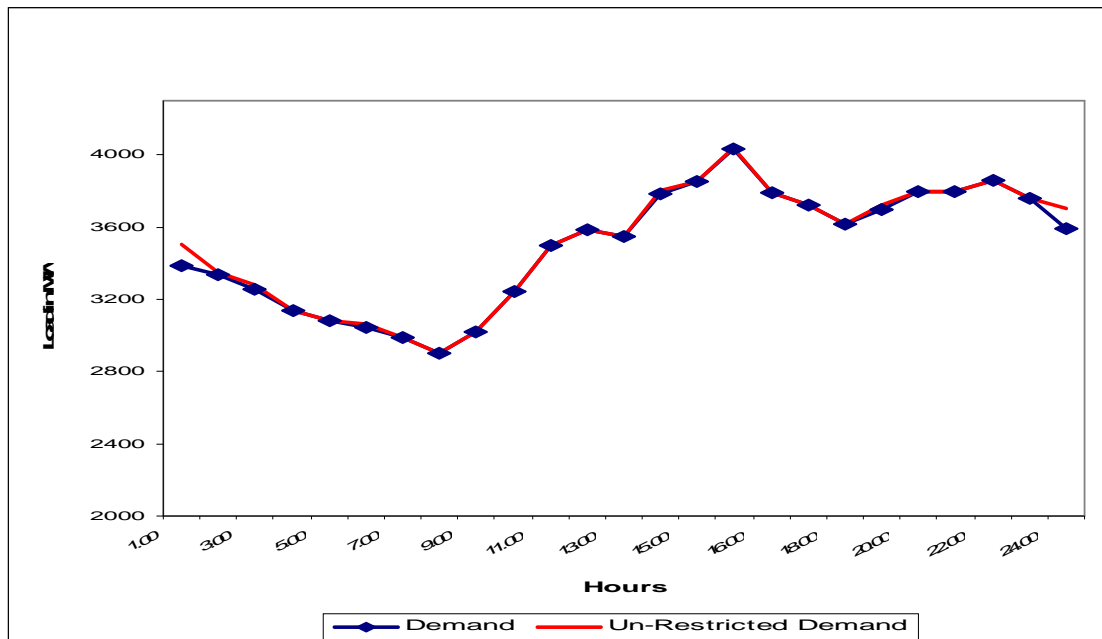
Hrs.	Demand met	Load Shedding	Un-Restricted Demand
1.00	3389	118	3507
2.00	3339	12	3351
3.00	3257	21	3278
4.00	3138	0	3138
5.00	3084	0	3084
6.00	3044	17	3061
7.00	2987	0	2987
8.00	2900	0	2900
9.00	3021	0	3021
10.00	3241	0	3241
11.00	3498	0	3498
12.00	3587	0	3587
13.00	3548	0	3548
14.00	3783	22	3805
15.00	3854	0	3854
15.06.36	4034	2	4036
16.00	3790	0	3790
17.00	3722	3	3725
18.00	3619	0	3619
19.00	3695	28	3723
20.00	3794	0	3794
21.00	3797	0	3797
22.00	3858	0	3858
23.00	3759	0	3759
24.00	3590	114	3704
ENERGY IN MUs	80.939	0.743	81.682



8.17.1.2 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED DEMAND DURING SUMMER 2008-09 – 24.07.2008 – 4036MW at 15:06:36Hrs.

All figures in MW

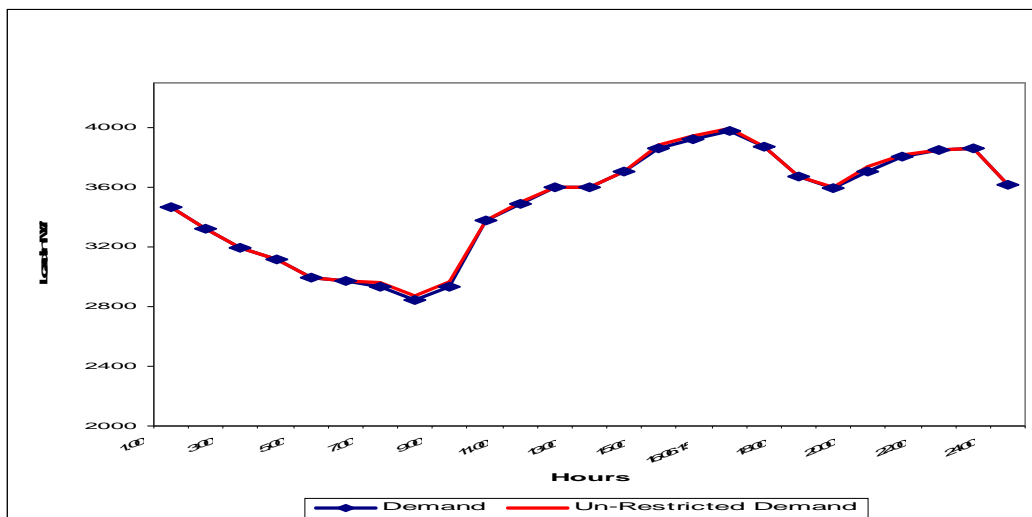
Hrs.	Demand met	Load Shedding	Un-Restricted Demand
1.00	3389	118	3507
2.00	3339	12	3351
3.00	3257	21	3278
4.00	3138	0	3138
5.00	3084	0	3084
6.00	3044	17	3061
7.00	2987	0	2987
8.00	2900	0	2900
9.00	3021	0	3021
10.00	3241	0	3241
11.00	3498	0	3498
12.00	3587	0	3587
13.00	3548	0	3548
14.00	3783	22	3805
15.00	3854	0	3854
15.06.36	4034	2	4036
16.00	3790	0	3790
17.00	3722	3	3725
18.00	3619	0	3619
19.00	3695	28	3723
20.00	3794	0	3794
21.00	3797	0	3797
22.00	3858	0	3858
23.00	3759	0	3759
24.00	3590	114	3704
ENERGY IN MUs	80.939	0.743	81.682



8.17.1.3 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING SUMMER 2008-09 – 82.196 ON 04.07.2008

All figures in MW

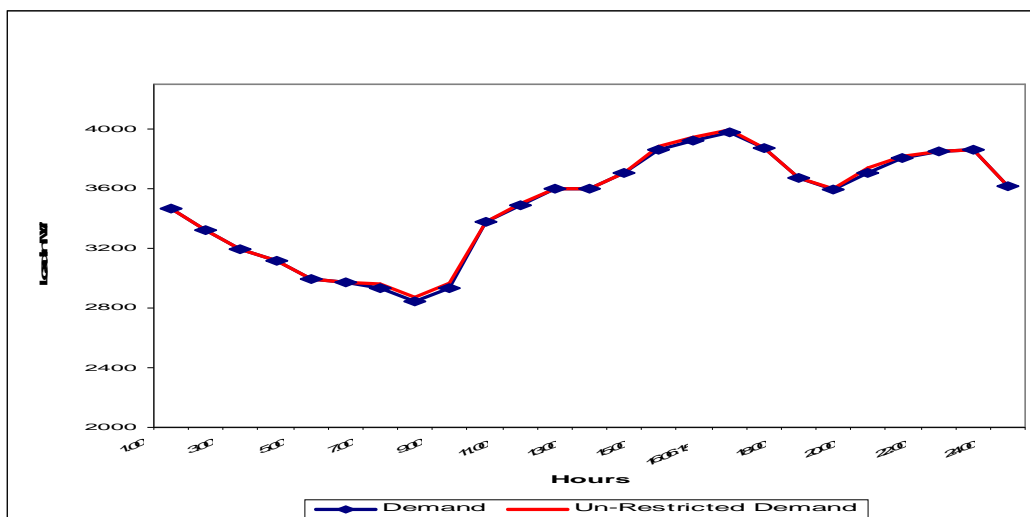
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3465	0	3465
2.00	3320	0	3320
3.00	3193	0	3193
4.00	3117	0	3117
5.00	2997	0	2997
6.00	2975	0	2975
7.00	2932	30	2962
8.00	2846	25	2871
9.00	2931	33	2964
10.00	3377	0	3377
11.00	3490	10	3500
12.00	3599	0	3599
13.00	3599	0	3599
14.00	3708	0	3708
15.00	3861	22	3883
16.00	3925	17	3942
16.06.15	3977	17	3994
17.00	3874	0	3874
18.00	3674	0	3674
19.00	3593	8	3601
20.00	3708	32	3740
21.00	3805	12	3817
22.00	3852	0	3852
23.00	3862	0	3862
24.00	3618	0	3618
ENERGY IN MUs	82.196	0.312	82.508



8.17.1.4 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING SUMMER 2008-09 – 82.508MUs ON 04.07.2008

All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3465	0	3465
2.00	3320	0	3320
3.00	3193	0	3193
4.00	3117	0	3117
5.00	2997	0	2997
6.00	2975	0	2975
7.00	2932	30	2962
8.00	2846	25	2871
9.00	2931	33	2964
10.00	3377	0	3377
11.00	3490	10	3500
12.00	3599	0	3599
13.00	3599	0	3599
14.00	3708	0	3708
15.00	3861	22	3883
16.00	3925	17	3942
16.06.15	3977	17	3994
17.00	3874	0	3874
18.00	3674	0	3674
19.00	3593	8	3601
20.00	3708	32	3740
21.00	3805	12	3817
22.00	3852	0	3852
23.00	3862	0	3862
24.00	3618	0	3618
ENERGY IN MUs	82.196	0.312	82.508

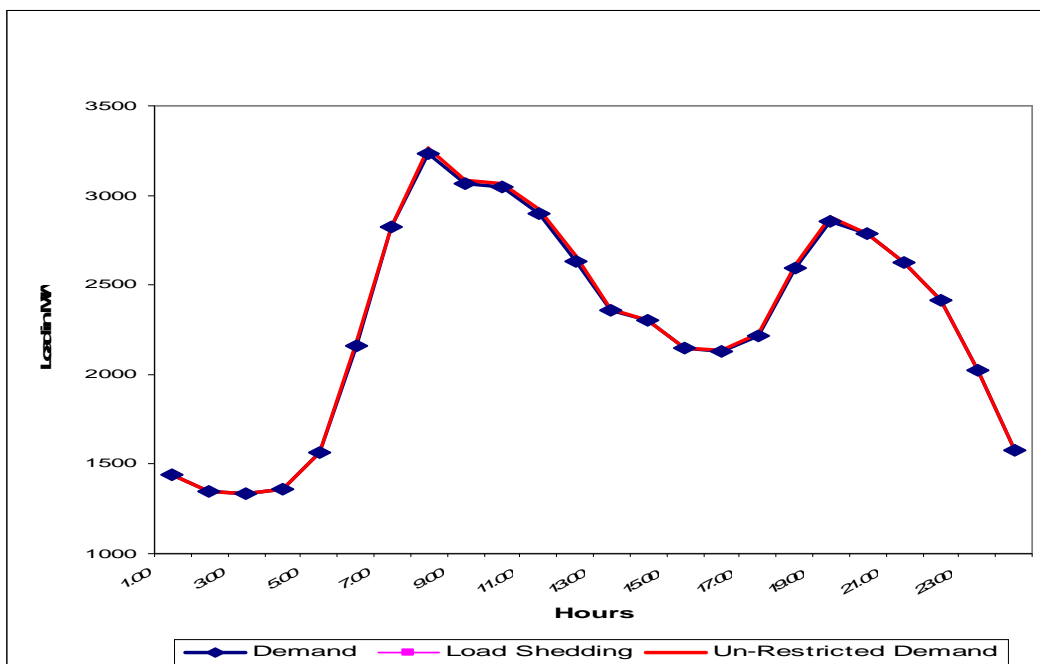


8.17.2 WINTER LOAD PATTERN

8.17.2.1 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING WINTER 2008-09 – 3231MW ON 14.01.2009 at 08:00:00Hrs.

All figures in MW

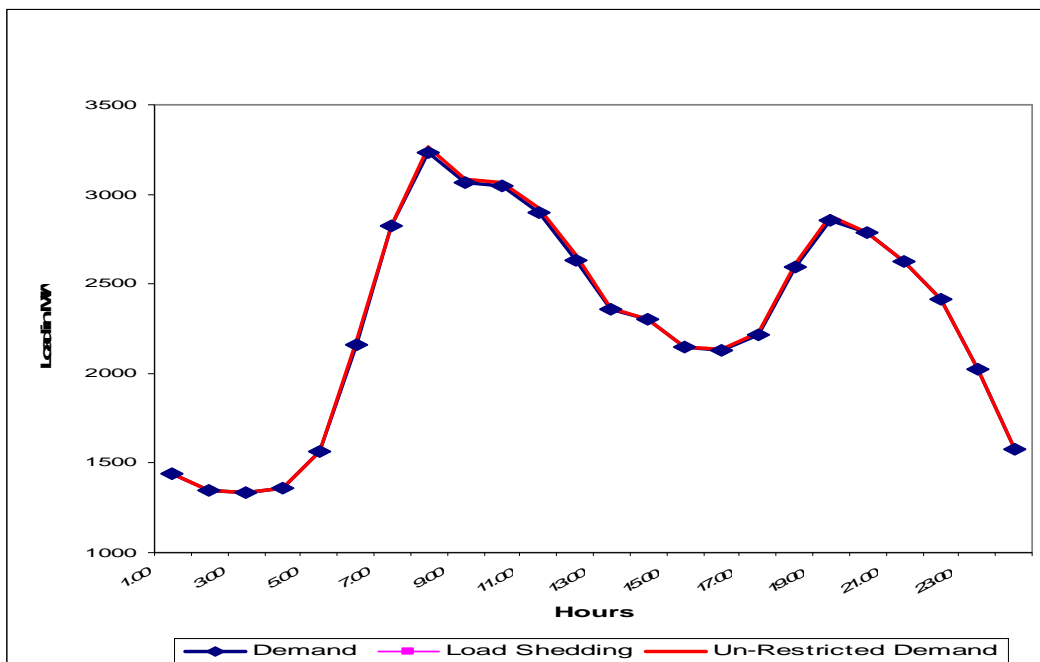
Hrs.	Demand met	Load Shedding	Un-Restricted Demand
1.00	1441	0	1441
2.00	1345	0	1345
3.00	1332	0	1332
4.00	1358	0	1358
5.00	1567	0	1567
6.00	2160	23	2183
7.00	2821	0	2821
8.00	3231	31	3262
9.00	3063	20	3083
10.00	3046	20	3066
11.00	2900	23	2923
12.00	2632	28	2660
13.00	2361	5	2366
14.00	2303	0	2303
15.00	2150	0	2150
16.00	2126	10	2136
17.00	2216	15	2231
18.00	2592	18	2610
19.00	2854	26	2880
20.00	2786	0	2786
21.00	2625	0	2625
22.00	2415	0	2415
23.00	2021	0	2021
24.00	1580	0	1580
ENERGY IN MUs	53.558	0.219	53.777



**8.17.2.2 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND
WINTER 2008-09 – 3262MW ON 14.01.2009 at 08:00:00Hrs.**

All figures in MW

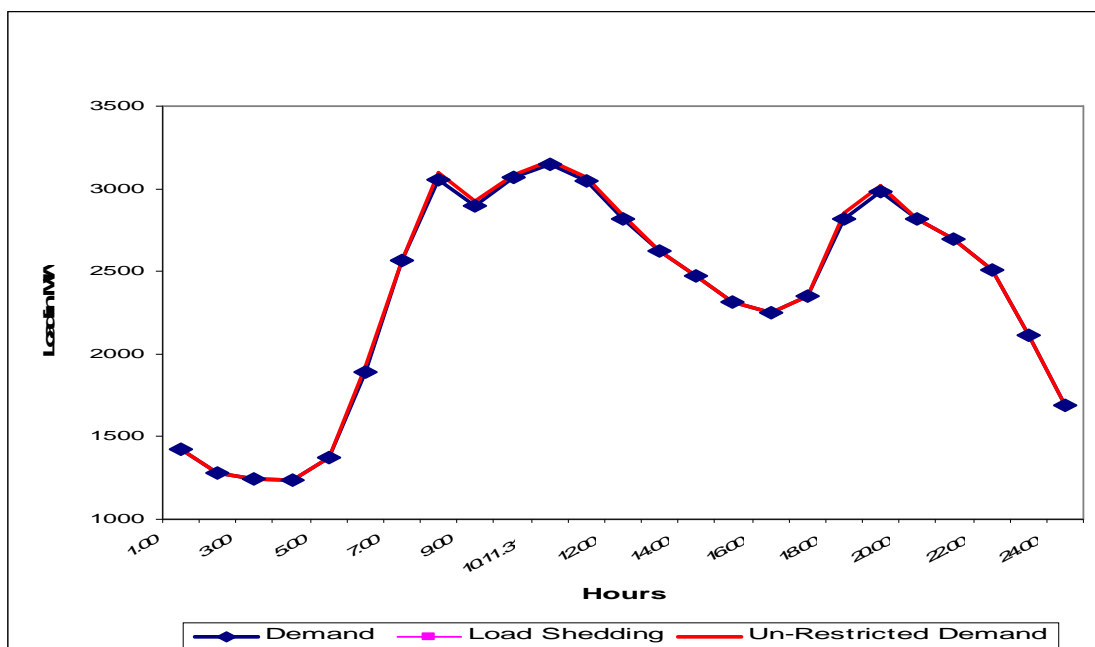
Hrs.	Demand met	Load Shedding	Un-Restricted Demand
1.00	1441	0	1441
2.00	1345	0	1345
3.00	1332	0	1332
4.00	1358	0	1358
5.00	1567	0	1567
6.00	2160	23	2183
7.00	2821	0	2821
8.00	3231	31	3262
9.00	3063	20	3083
10.00	3046	20	3066
11.00	2900	23	2923
12.00	2632	28	2660
13.00	2361	5	2366
14.00	2303	0	2303
15.00	2150	0	2150
16.00	2126	10	2136
17.00	2216	15	2231
18.00	2592	18	2610
19.00	2854	26	2880
20.00	2786	0	2786
21.00	2625	0	2625
22.00	2415	0	2415
23.00	2021	0	2021
24.00	1580	0	1580
ENERGY IN MUs	53.558	0.219	53.777



8.17.2.3 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING WINTER 2008-09 – 56.834MUs ON 06.01.2009

All figures in MW

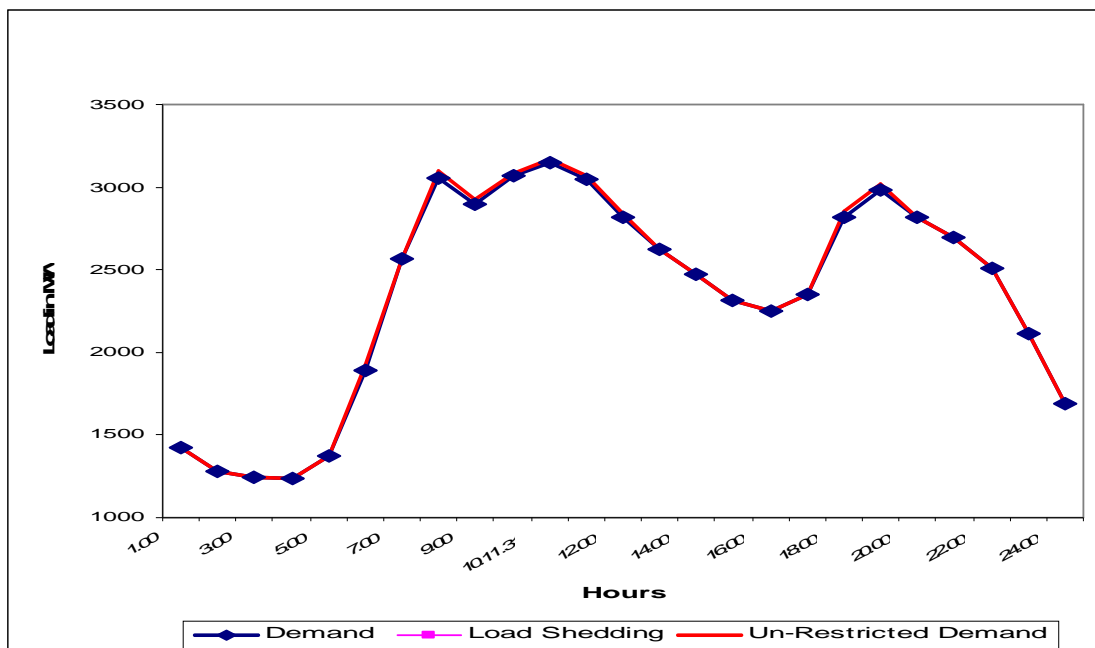
Hrs.	Demand met	Load Shedding	Un-Restricted Demand
1.00	1426	0	1426
2.00	1279	0	1279
3.00	1242	0	1242
4.00	1234	0	1234
5.00	1376	0	1376
6.00	1892	37	1929
7.00	2569	0	2569
8.00	3054	42	3096
9.00	2896	27	2923
10.00	3069	16	3085
10.11.31	3151	16	3167
11.00	3044	25	3069
12.00	2820	19	2839
13.00	2626	0	2626
14.00	2476	0	2476
15.00	2312	0	2312
16.00	2252	0	2252
17.00	2350	0	2350
18.00	2820	33	2853
19.00	2982	34	3016
20.00	2815	0	2815
21.00	2693	0	2693
22.00	2507	0	2507
23.00	2110	0	2110
24.00	1688	0	1688
ENERGY	56.834	0.240	57.074



8.17.2.4 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING WINTER 2008-09 – 57.074MU_s ON 06.01.2009

All figures in MW

Hrs.	Demand met	Load Shedding	Un-Restricted Demand
1.00	1426	0	1426
2.00	1279	0	1279
3.00	1242	0	1242
4.00	1234	0	1234
5.00	1376	0	1376
6.00	1892	37	1929
7.00	2569	0	2569
8.00	3054	42	3096
9.00	2896	27	2923
10.00	3069	16	3085
10.11.31	3151	16	3167
11.00	3044	25	3069
12.00	2820	19	2839
13.00	2626	0	2626
14.00	2476	0	2476
15.00	2312	0	2312
16.00	2252	0	2252
17.00	2350	0	2350
18.00	2820	33	2853
19.00	2982	34	3016
20.00	2815	0	2815
21.00	2693	0	2693
22.00	2507	0	2507
23.00	2110	0	2110
24.00	1688	0	1688
ENERGY	56.834	0.240	57.074



8.18 LOAD DURATION CURVE FOR 2008-09 (Based on SCADA)

LOAD REMAINED ABOVE IN MW	DURATION IN HOURS	(%) OF TIME
4200	2.25	0.03
4100	5.50	0.06
4000	12.00	0.14
3900	35.75	0.41
3800	96.25	1.10
3700	184.50	2.11
3600	345.25	3.94
3500	553.00	6.31
3400	828.50	9.46
3300	1225.75	13.99
3200	1642.50	18.75
3100	2005.25	22.89
3000	2386.00	27.24
2900	2788.25	31.83
2800	3274.25	37.38
2700	3818.75	43.59
2600	4425.25	50.52
2500	5003.75	57.12
2400	5556.50	63.43
2300	6069.25	69.28
2200	6509.00	74.30
2100	6928.00	79.09
2000	7220.75	82.43
1900	7431.00	84.83
1800	7601.50	86.78
1700	7767.00	88.66
1600	7920.50	90.42
1500	8055.75	91.96
1400	8217.00	93.80
1300	8434.25	96.28
1200	8705.75	99.38
1100	8752.75	99.92
1000	8759.25	99.99
900	8759.75	100.00
800	8759.75	100.00
700	8760.00	100.00

LOAD DURATION CURVE OF DELHI FOR 2008-09



9 FREQUENCY SPECTRUM OF NORTHERN REGION [(NORTH-EAST-WEST)(NEW)] FOR 2008-09

Month	Below 48.5Hz (% Time)	48.5 – 48.8Hz (% Time)	48.8- 49.0Hz (% Time)	49.0- 49.5 Hz (% Time)	49.5- 49.8Hz (% Time)	49.8- 50.2Hz (% Time)	50.2- 50.5Hz (% Time)	50.5- 51Hz (% Time)	Above 51.0Hz	Ave.freq. during the month	Max. freq. during the month	Min. freq. during the month
APR'08	0.04	10.28	24.18	43.25	11.43	9.59	1.23	0.00	0.00	49.22	50.50	48.39
MAY'08	0.00	0.54	3.37	33.02	27.11	28.52	6.91	0.32	0.00	49.64	50.37	48.88
JUN'08	0.00	0.46	6.20	37.98	28.50	23.11	3.71	0.04	0.00	49.56	50.67	49.29
JUL'08	0.00	1.05	12.45	62.21	18.40	5.54	0.32	0.03	0.00	49.31	50.06	48.75
AUG.'08	0.00	0.54	6.99	39.47	24.57	23.56	4.72	0.15	0.00	49.55	50.24	48.80
SEP.'08	0.00	1.94	13.41	46.24	21.79	15.32	1.31	0.00	0.00	49.40	50.10	48.76
OCT.'08	0.00	0.69	8.25	52.64	25.83	11.72	0.80	0.07	0.00	49.41	50.15	48.83
NOV.'08	0.00	0.01	1.13	46.78	36.32	14.29	1.43	0.04	0.00	49.53	50.27	48.94
DEC.'08	0.00	0.00	0.64	41.99	31.93	22.11	3.26	0.07	0.00	49.60	50.38	48.93
JAN.'09	0.00	0.02	2.09	40.30	33.79	19.69	4.01	0.10	0.00	49.58	50.34	48.94
FEB.'09	0.00	0.03	3.24	56.09	29.15	10.24	1.19	0.07	0.00	49.45	50.21	48.87
MAR'09	0.00	0.01	1.89	37.42	31.43	26.82	2.41	0.02	0.00	49.60	50.27	49.02
TOTAL 2008-09	0.00	1.30	6.99	44.78	26.69	17.54	2.61	0.08	0.00	49.49	50.30	48.87

10 DETAILS OF UNDER FREQUENCY RELAY TRIPPINGS OCCURRED IN 2008-09

MONTH	STAGE-1 (48.8Hz)	STAGE-2 (48.6Hz)	df/dt (49.9Hz with slop 0.1, 0.2, 0.3Hz/Sec)	TOTAL
APRIL 2008	893	--	6	899
MAY 2008	59	--	6	65
JUNE 2008	107	--	--	107
JULY 2008	171	5	--	176
AUGUST 20	134	--	--	134
SEPTEMBER 2008	412	4	--	416
OCTOBER 2008	208	--	--	208
NOVEMBER 2008	7	--	3	10
DECEMBER 2008	17	--	--	17
JANUARY 2009	33	--	--	33
FEBRUARY 2009	37	--	--	37
MARCH 2009	17	--	--	17
TOTAL 2008-09	2095	9	15	2119

11 INTRASTATE TRANSMISSION LOSSES

11.1 WEEK WISE INTRASTATE TRANSMISSION LOSSES FOR 2008-09 (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
			IP	RPH	GT	PRAGATI	BTPS	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(4)+(5)+(6)+(7)+(8)
1	1.65	172.2259	16.0709	10.5628	27.2871	21.2852	60.9738	159.6347
2	1.58	198.4208	19.9514	14.0941	30.6494	23.9868	107.3208	196.0024
3	1.80	224.8534	18.4909	15.1393	32.3920	23.2901	109.9096	199.2219
4	1.35	252.2017	17.4064	15.4775	30.4374	34.8046	110.1402	208.2661
5	1.77	281.4916	15.3896	14.4605	26.3968	49.0643	108.4819	213.7932
6	1.62	283.8072	19.2354	7.4362	27.5011	49.3749	108.3625	211.9102
7	1.67	287.4624	20.7475	6.9651	28.7114	48.5635	106.6082	211.5957
8	1.75	237.1663	21.4924	12.5063	12.2161	48.5722	73.8178	168.6048
9	1.76	257.9467	19.1225	15.6383	21.8205	50.3094	98.5391	205.4297
10	1.68	292.8457	19.3364	16.4482	21.4744	49.0312	104.6553	210.9456
11	1.47	316.9570	16.3452	12.8231	23.3822	49.5900	101.0673	203.2079
12	1.35	301.0234	15.1054	10.2471	18.1613	50.3145	99.8213	193.6496
13	1.38	323.3270	11.5938	16.3805	16.2528	50.0544	105.7528	200.0343
14	1.48	342.9591	12.5587	16.3755	20.6235	49.8012	106.7645	206.1234
15	1.48	314.2533	14.0961	16.0161	14.1477	50.0244	104.4380	198.7223
16	1.54	325.0119	15.3456	16.0161	24.4886	45.3311	104.0535	205.2349
17	1.44	342.0434	15.9970	16.4747	22.3312	49.6215	100.1776	204.6020
18	1.56	344.4224	16.6330	13.9063	23.6889	48.8629	102.9948	206.0859
19	1.64	298.3164	8.9872	15.5725	24.0959	50.0660	99.5926	198.3142
20	1.68	292.1833	11.5140	14.6115	21.7540	41.1859	83.4024	172.4678
21	1.51	315.4700	14.0558	15.3829	25.1191	42.6027	91.4973	188.6579
22	1.69	373.5215	14.5731	12.9406	23.6399	34.7572	91.8944	177.8052
23	1.63	341.2377	10.6239	15.1818	20.1387	48.4867	100.2382	194.6693
24	1.56	319.2197	14.0861	13.3508	22.4986	49.9889	90.4089	190.3333
25	1.51	282.4960	8.3295	15.9941	23.7805	46.7649	83.2425	178.1113
26	1.41	270.0440	9.5799	14.9665	21.8906	46.9160	83.8336	177.1865
27	1.56	310.0980	8.9830	16.1014	22.1749	49.2578	83.0649	179.5821

Week No.	Avg Trans. Loss in %age	Actual drawal from the grid in Mus	Actual Ex-bus generation with in Delhi in Mus					Total
			IP	RPH	GT	PRAGATI	BTPS	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(4)+(5)+(6)+(7)+(8)
28	1.43	282.8266	11.4508	14.8414	26.8809	48.3164	91.5993	193.0887
29	1.42	236.3702	12.4422	15.1001	27.7470	48.0895	91.9906	195.3693
30	1.51	205.6257	11.0890	11.5814	26.8988	47.6644	91.6093	188.8429
31	1.59	159.5816	14.1357	16.1976	26.6718	46.8004	95.1120	198.9174
32	1.59	166.0924	12.3730	15.8476	26.0953	48.5241	85.4873	188.3273
33	1.60	167.8584	12.0324	15.4815	20.8090	51.7838	74.2039	174.3106
34	1.51	165.4848	11.4675	14.4607	21.2470	50.3283	76.2994	173.8029
35	1.49	133.6812	12.5984	15.9180	23.6144	52.3563	96.9587	201.4458
36	1.50	136.6648	14.8875	15.9107	26.1594	52.6979	95.4948	205.1504
37	1.48	131.1916	16.7041	15.7178	23.8942	52.2575	101.5970	210.1707
38	1.69	147.4911	16.8734	14.0318	21.2452	50.0674	100.1708	202.3886
39	1.73	140.3005	16.9535	15.4337	18.6242	53.1373	105.6098	209.7585
40	2.01	186.9711	16.6663	14.1189	24.1440	30.2572	101.5304	186.7167
41	1.67	210.2707	15.7732	13.3111	14.3553	15.0210	104.0705	162.5311
42	1.81	169.5390	16.5833	14.4827	21.4550	43.8309	105.0396	201.3914
43	1.73	153.6052	17.8174	14.9888	26.5085	50.7187	106.4026	216.4361
44	1.75	135.1035	18.9550	15.0151	25.7417	49.8494	104.3718	213.9329
45	1.68	139.6999	20.0406	14.8473	21.5459	51.6990	108.7725	216.9053
46	1.78	140.8398	20.3908	15.1009	22.6408	48.9414	106.3106	213.3846
47	1.80	153.7339	20.2332	15.4500	23.0390	32.8443	103.0665	194.6330
48	1.70	160.6841	18.0353	15.4563	25.1828	19.4304	103.0868	181.1917
49	1.71	153.6260	20.8283	15.3798	24.0761	34.4883	105.3287	200.1012
50	1.73	124.8206	12.2044	13.4216	24.4855	49.2108	104.4380	203.7603
51	1.69	165.6377	21.4455	13.1694	28.0800	37.5610	102.4012	202.6570
52	1.20	148.8584	23.0549	15.5156	29.5193	52.1123	98.7282	218.9303
53	1.04	42.5060	6.4524	4.3668	9.8295	14.6262	26.8274	62.1022
Total 2008-09	1.59	12060.0705	817.1388	756.2162	1237.5452	2334.5223	5107.5615	10276.4390

Week	Total Consumption of Delhi at DTL periphery in Mus	Actual drawal of distribution licensees and deemed licensees in MUs							Trans. Loss in %
		NDPL	BRPL	BYPL	NDMC	MES	Total	Avg. Trans Loss in Mus	
(1)	(10)=(3)+(9)	(11)	(12)	(13)	(14)	(15)	(16)=(11)+(12)+(13)+(14)+(15)	(17)=(10)-(16)	(18)=(17)*100/10
1	308.4056	88.0036	122.9296	72.6275	17.1209	2.6418	359.3497	6.0162	1.65
2	394.4232	110.8617	159.4159	93.4284	21.2964	3.2018	388.2043	6.2190	1.58
3	424.0753	117.0770	173.5122	100.3594	22.2944	3.2035	416.4465	7.6288	1.80
4	460.4678	125.8951	189.0137	109.9466	25.8722	3.5192	454.2468	6.2210	1.35
5	495.2848	132.5049	204.8692	117.9529	27.4490	3.7408	486.5167	8.7681	1.77
6	495.7174	134.1768	205.3007	116.7267	27.7548	3.7097	487.6687	8.0487	1.62
7	499.0581	135.9670	203.6655	119.5454	27.8229	3.7026	490.7033	8.3548	1.67
8	405.7710	114.4953	163.1290	95.8237	22.2713	2.9322	398.6514	7.1196	1.75
9	463.3764	130.6435	185.0239	110.7323	25.4152	3.4191	455.2340	8.1424	1.76
10	503.7913	140.5479	204.2953	119.1438	27.5959	3.7321	495.3150	8.4762	1.68
11	520.1649	144.4343	211.1748	124.3801	28.6732	3.8608	512.5232	7.6418	1.47
12	494.6730	139.7599	198.3537	119.0820	27.1649	3.6401	488.0005	6.6725	1.35
13	523.3612	147.7470	210.0443	125.6635	28.6533	4.0080	516.1162	7.2450	1.38
14	549.0825	152.9032	223.8882	129.9587	30.0207	4.2037	540.9745	8.1080	1.48
15	512.9756	142.6945	208.4032	121.9703	28.3221	3.9762	505.3663	7.6093	1.48
16	530.2468	148.2173	215.0236	125.4309	29.3526	4.0701	522.0945	8.1523	1.54
17	546.6454	153.5864	220.4293	130.3969	30.1705	4.2069	538.7900	7.8555	1.44
18	550.5083	151.4079	226.1245	129.9364	30.2112	4.2602	541.9402	8.5680	1.56
19	496.6306	137.8215	200.5547	118.5842	27.5674	3.9365	488.4643	8.1663	1.64
20	464.6511	127.2232	189.8605	110.6867	25.3553	3.6990	456.8247	7.8264	1.68
21	504.1279	140.5814	204.0023	120.1548	27.8522	3.9090	496.4997	7.6282	1.51
22	551.3267	153.5319	222.2613	131.8290	30.1853	4.2273	542.0349	9.2918	1.69
23	535.9070	148.0204	216.5947	129.0269	29.4761	4.0528	527.1709	8.7361	1.63
24	509.5529	140.7237	204.7162	124.1419	28.1134	3.8974	501.5926	7.9603	1.56
25	460.6074	129.1575	183.0311	111.7386	26.1013	3.6434	453.6718	6.9356	1.51
26	447.2306	127.8244	176.2416	108.7366	24.6390	3.5036	440.9452	6.2854	1.41
27	489.6801	134.2768	197.1722	119.4963	27.4417	3.6679	482.0549	7.6252	1.56

Week	Total Consumption of Delhi at DTL periphery in Mus	Actual drawal of distribution licensees and deemed licensees in MUs							Trans. Loss in %
		NDPL	BRPL	BYPL	NDMC	MES	Total	Avg. Trans Loss in Mus	
(1)	(10)=(3)+(9)	(11)	(12)	(13)	(14)	(15)	(16)=(11)+(12)+(13)+(14)+(15)	(17)=(10)-(16)	(18)=(17)*100/10
28	475.9153	133.1304	191.3376	115.0778	26.0285	3.5165	469.0909	6.8245	1.43
29	431.7394	122.8228	170.7350	104.1047	24.5939	3.3408	425.5973	6.1422	1.42
30	394.4686	114.0178	153.5491	95.2117	22.5715	3.1618	388.5119	5.9567	1.51
31	358.4990	98.6442	145.7597	86.4699	18.9285	3.0104	352.8127	5.6864	1.59
32	354.4197	101.5075	140.7587	84.5124	19.0197	2.9914	348.7897	5.6299	1.59
33	342.1690	98.7553	136.1684	81.2470	17.6231	2.8989	336.6927	5.4764	1.60
34	339.2877	98.7591	134.9686	80.2827	17.1089	3.0522	334.1716	5.1161	1.51
35	335.1270	98.6249	133.1437	78.6003	16.5526	3.2222	330.1438	4.9832	1.49
36	341.8152	100.7362	136.2038	79.1823	17.2339	3.3449	336.7011	5.1141	1.50
37	341.3622	101.0562	136.0100	78.9487	16.9080	3.3841	336.3071	5.0551	1.48
38	349.8797	102.5252	140.2150	79.7857	17.7921	3.6553	343.9733	5.9064	1.69
39	350.0590	103.8731	139.3544	79.9995	17.0671	3.7001	343.9942	6.0648	1.73
40	373.6878	108.2216	148.4446	85.7960	19.3653	4.3653	366.1929	7.4949	2.01
41	372.8018	106.4393	149.0803	86.5762	19.9085	4.5639	366.5682	6.2336	1.67
42	370.9304	106.6502	149.2033	84.1545	19.7305	4.4959	364.2344	6.6960	1.81
43	370.0412	109.1123	147.2615	84.2423	18.7402	4.2975	363.6539	6.3874	1.73
44	349.0365	101.6817	139.9073	80.4026	17.0569	3.8767	342.9252	6.1113	1.75
45	356.6052	106.7634	140.4217	82.1442	17.6138	3.6889	350.6320	5.9732	1.68
46	354.2244	104.5891	139.9144	82.2424	17.5346	3.6537	347.9342	6.2902	1.78
47	348.3669	104.5856	136.5422	80.5140	17.0355	3.4343	342.1117	6.2552	1.80
48	341.8758	102.7014	134.3654	79.2689	16.5633	3.1623	336.0613	5.8145	1.70
49	353.7271	105.9343	138.7013	82.5516	17.3673	3.1202	347.6746	6.0525	1.71
50	328.5809	94.9939	131.7235	76.8716	16.3663	2.9275	322.8827	5.6982	1.73
51	368.2947	108.9205	144.7452	86.2746	19.0870	3.0318	362.0591	6.2355	1.69
52	367.7887	109.1304	145.3843	86.7324	19.0622	3.0633	363.3727	4.4160	1.20
53	104.6083	31.0392	41.9669	23.8945	5.7129	0.9037	103.5172	1.0910	1.04
Total	22313.0544	6325.3002	8964.8972	5282.5891	1196.7648	188.4293	22014.0069	356.0079	1.59
2008-09									

11.2 MONTH WISE TRANSMISSION LOSSES FOR 2008-09

Month	NDPL	BRPL	BYPL	NDMC	MES	Total supply to disoms
1	2	3	4	5	6	7=sum(2 to 6)
Apr'08	496.284	729.689	425.101	98.908	14.177	1764.159
May'08	575.188	852.066	496.548	115.675	15.442	2054.919
June'08	611.418	878.752	521.162	119.171	16.279	2146.781
July'08	664.261	969.461	565.300	132.135	18.376	2349.532
Aug'08	622.931	911.307	536.249	122.533	17.527	2210.547
Sept'08	584.441	837.032	508.395	116.996	16.182	2063.046
Oct'08	535.531	762.368	461.478	106.112	14.791	1880.281
Nov'08	426.293	584.776	348.774	75.089	12.987	1447.919
Dec'08	453.938	613.911	352.953	77.349	15.870	1514.021
Jan'09	472.005	652.743	374.665	84.371	19.285	1603.068
Feb'09	419.126	552.353	324.739	68.908	14.042	1379.169
Mar'09	463.885	620.438	367.225	79.517	13.473	1544.537
Total	6325.300	8964.897	5282.589	1196.765	188.429	21957.981

Month	IP	GT	RPH	PPCL	BTPS	Drawal from the Grid
1	8	9	10	11	12	13
Apr'08	76.858	131.954	61.940	124.228	434.402	963.737
May'08	88.319	101.720	48.049	217.993	434.965	1199.444
June'08	67.000	85.640	60.547	213.138	441.542	1311.049
July'08	66.050	91.869	70.381	215.057	458.191	1483.856
Aug'08	55.821	105.388	64.558	190.077	411.167	1419.825
Sept'08	44.904	94.675	63.970	206.381	375.717	1309.414
Oct'08	51.814	115.836	64.625	214.065	406.059	1056.389
Nov'08	52.474	99.937	66.428	214.831	362.272	674.813
Dec'08	73.478	99.496	67.635	223.523	443.017	632.100
Jan'09	75.282	99.036	63.216	166.695	465.601	762.216
Feb'09	78.692	92.843	60.800	156.058	421.617	593.573
Mar'09	86.447	119.151	64.067	192.474	453.012	653.655
Total	817.139	1237.545	756.216	2334.522	5107.561	12060.070

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'08	1793.118	28.959	1.61	1.52
May'08	2090.490	35.571	1.70	1.11
June'08	2178.917	32.135	1.47	0.96
July'08	2385.404	35.871	1.50	1.20
Aug'08	2246.836	36.289	1.62	1.32
Sept'08	2095.060	32.014	1.53	1.22
Oct'08	1908.788	28.507	1.49	1.61
Nov'08	1470.756	22.837	1.55	1.73
Dec'08	1539.250	25.229	1.64	1.70
Jan'09	1632.048	28.979	1.78	1.64
Feb'09	1403.582	24.413	1.74	1.81
Mar'09	1568.806	24.269	1.55	1.74
Total	22313.054	355.074	1.59	1.40

12 ALLOCATION OF POWER TO DISCOMS FOR 2008-09

12.1 ALLOCATION FROM CENTRAL SECTOR

12.1.1 Allocation from Central Sector Generating Stations to Delhi w.e.f. 01.10.2008 to 12.12.2008

A) TIME BLOCK 00.00HRS. TO 06.00HRS. & 23.00hrs. To 24.00hrs. @ 0%

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocated Quota at Delhi periphery	Total allocation at Delhi periphery
	in MW	in MW	in MW	in MW	in MW	In MW	in MW
1	2	3	4	5	6	7	(8)=(5)+(7)
<u>NTPC STATIONS</u>							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
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
Unchahaar-I TPS	420	20	24	21	0	0	21

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
	in MW	in MW	in MW	in MW	in MW	In MW	in MW
1	2	3	4	5	6	7	(8)=(5)+(7)
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
TOTAL	7802	1005	1439	1263	0	0	1263
<u>NHPC</u>							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
URI HEP	480	0	53	50	0	0	50
Dhaulti Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL	2954	154	335	318	0	0	318
<u>NPC</u>							
Narora APS	440	64	47	41	0	0	41
RAPP(B) Unit-3 APS	220	33	0	0	0	0	0
RAPP(B) Unit-4 APS	220	33	0	0	0	0	0
TOTAL	880	130	47	41	0	0	41
<u>SVJNL</u>							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
<u>THDC</u>							
Tehri Hydro	1000	99	103	89	0	0	89
Total	14136	1537	2066	1835	0	0	1835
<u>Allocation from ER and Tala HEP</u>							
Farakka	1600	0	37	31	0	0	31
Kahalgaon	840	0	79	66	0	0	66
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	0	0	0	0	0
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	500	0	54	45	0	0	45
Total ER	5210	153	200	167	0	0	167
Grand Total	19346	1690	2265	2001	0	0	2001

B) TIME BLOCK 00.00HRS. TO 12.00HRS. & 19.00hrs. To 24.00hrs. @ 20%

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
	in MW	in MW	in MW	in MW	in MW	in MW	in MW
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	60	52	182
Rihand	1000	150	100	87	30	26	113
Rihand Stage -II	1000	150	126	109	30	26	136
ANTA GPS	419	63	44	41	13	12	53
Auriya GPS	663.36	99	72	67	14	13	80
Dadri GPS	829.78	129	91	85	12	11	96
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Unchahaar-I TPS	420	20	24	21	4	4	24
Unchahaar-II TPS	420	63	47	41	13	11	52
Unchahaar-III TPS	210	31	29	25	6	5	31
TOTAL	7802	1005	1439	1263	181	159	1422
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	11	10	48
URI HEP	480	0	53	50	0	0	50
Dhauri Ganga HEP	280	42	37	35	8	8	43
Dulhasti HEP	390	58	50	48	12	11	59
TOTAL	2954	154	335	318	31	29	347
NPC							
Narora APS	440	64	47	41	13	11	52
RAPP(B) Unit-3 APS	220	33	0	0	6	5	5
RAPP(B) Unit-4 APS	220	33	0	0	6	5	5
TOTAL	880	130	47	41	24	21	62
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	30	28	152

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
	in MW	in MW	in MW	in MW	in MW	in MW	in MW
1	2	3	4	5	6	7	(8)=(5)+(7)
THDC							
Tehri Hydro	1000	99	103	89	20	19	108
Total	14136	1537	2066	1835	285	257	2091
Allocation from ER and Tala HEP							
Farakka	1600	0	37	31	0	0	31
Kahalgaon	840	0	79	66	0	0	66
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	0	0	0	0	0
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	500	0	54	45	0	0	45
Total ER	5210	153	200	167	0	0	167
Grand Total	19346	1690	2265	2001	285	257	2258

C) TIME BLOCK 19.00HRS. TO 23.00HRS @ 22%

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
	in MW	in MW	in MW	in MW	in MW	in MW	in MW
1	2	3	4	5	6	7	(8)=(5)+(7)
<u>NTPC STATIONS</u>							
Singrauli STPS	2000	300	150	130	66	57	188
Rihand	1000	150	100	87	33	28	115
Rihand Stage -II	1000	150	126	109	33	29	138
ANTA GPS	419	63	44	41	14	13	54
Auriya GPS	663.36	99	72	67	15	14	81
Dadri GPS	829.78	129	91	85	13	12	97
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Unchahaar-I TPS	420	20	24	21	4	4	25
Unchahaar-II TPS	420	63	47	41	14	12	53
Unchahaar-III TPS	210	31	29	25	7	6	31
TOTAL	7802	1005	1439	1263	199	175	1438

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
	in MW	in MW	in MW	in MW	in MW	in MW	in MW
1	2	3	4	5	6	7	(8)=(5)+(7)
<u>NHPC</u>							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	12	11	49
URI HEP	480	0	53	50	0	0	50
Dhaulti Ganga HEP	280	42	37	35	9	9	44
Dulhasti HEP	390	58	50	48	13	12	60
TOTAL	2954	154	335	318	34	32	350
<u>NPC</u>							
Narora APS	440	64	47	41	14	12	53
RAPP(B) Unit-3 APS	220	33	0	0	7	6	6
RAPP(B) Unit-4 APS	220	33	0	0	7	6	6
TOTAL	880	130	47	41	28	24	65
<u>SVJNL</u>							
Nathpa Jhakri HEP	1500	149	142	123	33	31	154
<u>THDC</u>							
Tehri Hydro	1000	99	103	89	22	21	110
Total	14136	1537	2066	1835	315	284	2119
<u>Allocation from ER and Tala HEP</u>							
Farakka	1600	0	37	31	0	0	31
Kahalgaon	840	0	79	66	0	0	66
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	0	0	0	0	0
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	500	0	54	45	0	0	45
Total ER	5210	153	200	167	0	0	167
Grand Total	19346	1690	2265	2001	315	284	2285

12.1.2 Allocation from Central Sector Generating Stations to Delhi w.e.f. 12.12.08 to 31.03.09

A) TIME BLOCK 00.00HRS. TO 06.00HRS. & 23.00hrs. To 24.00hrs. and 10.00-18.00hrs @ 0%

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
	in MW	in MW	in MW	in MW	in MW	in MW	in MW
1	2	3	4	5	6	7	(8)=(5)+(7)
<u>NTPC STATIONS</u>							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
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
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	7802	1005	1439	1263	0	0	1263
<u>NHPC</u>							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
URI HEP	480	0	53	50	0	0	50
Dhauri Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL	2954	154	335	318	0	0	318
<u>NPC</u>							
Narora APS	440	64	47	41	0	0	41
RAPP(B) Unit-3 APS	220	33	0	0	0	0	0
RAPP(B) Unit-4 APS	220	33	0	0	0	0	0
TOTAL	880	130	47	41	0	0	41
<u>SVJNL</u>							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123

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
	in MW	in MW	in MW	in MW	in MW	in MW	in MW
1	2	3	4	5	6	7	(8)=(5)+(7)
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Total	14136	1537	2066	1835	0	0	1835
Allocation from ER and Tala HEP							
Farakka	1600	0	37	31	0	0	31
Kahalgaon	840	0	79	66	0	0	66
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	0	0	0	0	0
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1000	0	109	91	0	0	91
Total ER	5710	153	254	212	0	0	212
Grand Total	19846	1690	2320	2047	0	0	2047

B) Time Block 06.00-10.00HRS. and 18.00-23.00hrs. WITH 6%

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
	in MW	in MW	in MW	in MW	in MW	in MW	in MW
1	2	3	4	5	6	7	(8)=(5)+(7)
Singrauli STPS	2000	300	150	130	18	16	146
Rihand	1000	150	100	87	9	8	95
Rihand Stage -II	1000	150	126	109	9	8	117
ANTA GPS	419	63	44	41	4	4	44
Auriya GPS	663.36	99	72	67	4	4	71
Dadri GPS	829.78	129	91	85	3	3	88
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Unchahaar-I TPS	420	20	24	21	1	1	22
Unchahaar-II TPS	420	63	47	41	1	1	42
Unchahaar-III TPS	210	31	29	25	2	2	27
TOTAL	7802	1005	1439	1263	52	46	1309

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
	in MW	in MW	in MW	in MW	in MW	in MW	in MW
1	2	3	4	5	6	7	(8)=(5)+(7)
<u>NHPC</u>							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	3	3	41
URI HEP	480	0	53	50	0	0	50
Dhauri Ganga HEP	280	42	37	35	3	2	38
Dulhasti HEP	390	58	50	48	4	3	51
TOTAL	2954	154	335	318	9	9	327
<u>NPC</u>							
Narora APS	440	64	47	41	4	3	44
RAPP(B) Unit-3 APS	220	33	0	0	6	5	5
RAPP(B) Unit-4 APS	220	33	0	0	6	5	5
TOTAL	880	130	47	41	15	13	54
<u>SVJNL</u>							
Nathpa Jhakri HEP	1500	149	142	123	9	8	132
<u>THDC</u>							
Tehri Hydro	1000	99	103	89	6	6	95
Total	14136	1537	2066	1835	90	81	1916
<u>Allocation from ER and Tala HEP</u>							
Farakka	1600	0	37	31	0	0	31
Kahalgaon	840	0	79	66	0	0	66
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	0	0	0	0	0
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1000	0	109	91	4	3	94
Total ER	5710	153	254	212	4	3	215
Grand Total	19846	1690	2320	2047	94	84	2131

12.2 ALLOCATION OF POWER TO DELHI DISCOMS FROM VARIOUS SOURCES

12.2.1 ALLOCATION OF POWER TO VARIOUS LICENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (DADRI THERMAL AND BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f. 01.04.2008 TO 31.12.2008. ALLOCATION OF 0.9MW HAS BEEN ALLOCATED TO UPCOMING JHAJJHAR PLAT FROM IP STATION.

(Allocation In %)

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0.00	0.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.05	0.00	25.09	34.65	26.21	100.00
3. BTPS	15.07	7.09	22.59	31.64	23.61	100.00
4. IP	0.00	0.00	30.03	38.68	31.29	100.00
5. RPH	0.00	0.00	30.05	38.54	31.41	100.00
6. GT	0.00	0.00	30.05	38.54	31.41	100.00
7. Pragati	25.76	0.00	20.95	31.41	21.80	100.00
8. DVC	0.00	0.00	29.18	43.58	27.24	100.00

12.2.2 ALLOCATION OF POWER TO VARIOUS LICENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (DADRI THERMAL AND BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f. 01.01.2009 TO 31.03.2009. ALLOCATION OF JHAJJHAR PLANT FROM IP STATION HAS BEEN REVISED TO 1.5MW FROM 0.9MW W.E.F. 01.01.09.

(Allocation In %)

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0.00	0.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.05	0.00	25.09	34.65	26.21	100.00
3. BTPS	15.07	7.09	22.59	31.64	23.61	100.00
4. IP	0.00	0.00	30.01	38.78	31.21	100.00
5. RPH	0.00	0.00	30.05	38.54	31.41	100.00
6. GT	0.00	0.00	30.05	38.54	31.41	100.00
7. Pragati	25.76	0.00	20.95	31.41	21.80	100.00
8. DVC	0.00	0.00	29.18	43.58	27.24	100.00

13 Inter Discome transfer of power

As per the order of Delhi Electricity Regulatory Commission (DERC) dated 14.08.2007, surplus power by virtue of allocation of the licensees should be distributed to the needy distribution licensees to the ratio of the allocation of the sources to the extent of requirement. SLDC started such scheduling from 19.08.2007. Upto 19.02.2008, the scheduling was done on the basis of requirement and availability assessed by the licensees involved. From 20.02.2008 for better management of inter discom surplus, the same has been done on actual basis. As per the order of commission dated 14.08.2007, *for the settlement rate, Commission orders that the fixed cost of Badarpur Power Station, the variable charge for BTPS and a mark up of 10 paise over and above the two charges towards income tax and any other item which is unforeseen at this stage shall be added. As per the current indications, the fixed charge for BTPS is Rs. 0.53 per kwhr and the variable charge is Rs. 2.11 per Kwhr as of 30-6-07. Adding 10 paise per kwhr for all other adjustments, the single settlement rate between the Discom for such transaction is fixed at Rs. 2.75 per kwhr. Any fuel price adjustment to Rs. 2.11 per kwhr beyond 30.06.07 shall be added at actuals to the prescribed rate of 2.75 kwhr.*

As per the above order, the inter discom transfer rates for 2008-09 has been as under :-

All figures in Ps/Unit

Month	Basic variable charges	Actual variable charges	Difference	Rate for inter discom transfer (275Ps + Difference of basic and actual variable charges)
Apr'08	165.28	228.99	63.71	338.71
May'08	165.28	220.28	55.00	330.00
June'08	165.28	235.73	70.45	345.45
July'08	165.28	254.91	89.63	364.63
Aug'08	165.28	253.44	88.16	363.16
Sept'08	165.28	235.76	70.48	345.48
Oct'08	165.28	227.69	62.41	337.41
Nov'08	165.28	247.03	81.75	356.75
Dec'08	165.28	249.51	84.23	359.23
Jan'09	165.28	257.41	92.13	367.13
Feb'09	165.28	242.08	76.80	351.80
Mar'09	165.28	193.34	28.06	303.06

The details of inter discom surplus power for the year

13.1 Military Engineering Services (MES)

All figures in MUs

MONTH	BRPL	BYPL	NDPL	NDMC	Total
Apr'08	3.695963	0.262938	1.867200	0.015826	5.841927
May'08	3.521808	0.170176	1.788765	0.034304	5.515052
June'08	4.327129	0.537395	2.971568	0.054472	7.890564
July'08	5.372823	1.030317	3.602996	0.108496	10.114632
Aug'08	3.586829	0.492597	2.394828	0.052036	6.526289
Sept'08	3.575869	1.093939	2.596263	0.061718	7.327789
Oct'08	2.229372	0.271686	1.639877	0.024132	4.165067
Nov'08	0.481068	0.003759	0.411777	0.000000	0.896603
Dec'08	0.484515	0.005917	0.362571	0.000001	0.853004
Jan'09	1.440094	0.164363	0.980144	0.000000	2.584601
Feb'09	0.537453	0.002088	0.444986	0.000000	0.984528
Mar'09	0.222436	0.136631	0.210282	0.000000	0.569349
Total	29.475359	4.171804	19.271256	0.350984	53.269403

13.2 New Delhi Municipal Council (NDMC)

All figures in MUs

MONTH	BRPL	BYPL	NDPL	MES	Total
Apr'08	9.452332	0.391924	3.815575	0.006667	13.666499
May'08	15.343659	0.680899	7.183500	0.001393	23.209451
June'08	18.305655	1.906130	12.292002	0.000030	32.503816
July'08	22.804130	3.442433	14.988971	0.000000	41.235534
Aug'08	17.017583	2.112491	10.925609	0.012076	30.067759
Sept'08	17.830294	4.392575	12.906470	0.007156	35.136495
Oct'08	10.396136	1.026081	7.566084	0.000000	18.988301
Nov'08	4.224972	0.044802	3.339609	0.000000	7.609383
Dec'08	3.759104	0.079106	2.568391	0.003757	6.410358
Jan'09	10.661810	1.122393	6.847579	0.013519	18.645302
Feb'09	4.202285	0.046305	3.268817	0.000907	7.518314
Mar'09	0.802460	0.448531	0.884274	0.000000	2.135264
Total	134.800419	15.693672	86.586880	0.045506	237.126477

13.3 BSES Rajdhani Power Ltd. (BRPL)

All figures in MUs

MONTH	BYPL	NDPL	NDMC	MES	Total
Apr'08	0.000000	0.372926	0.006084	0.003879	0.382890
May'08	0.001211	0.413171	0.087892	0.000297	0.502571
June'08	0.009471	0.688349	0.022698	0.000000	0.720518
July'08	0.000000	0.434648	0.000000	0.000000	0.434648
Aug'08	0.001705	0.402578	0.003719	0.000915	0.408917
Sept'08	0.010529	0.629166	0.038880	0.000433	0.679007
Oct'08	0.000000	0.852147	0.000005	0.000000	0.852152
Nov'08	0.000000	1.047060	0.000000	0.000000	1.047060
Dec'08	0.000000	1.579053	0.000000	0.000000	1.579053
Jan'09	0.001206	1.618030	0.000000	0.000000	1.619236
Feb'09	0.000000	2.215353	0.000000	0.000539	2.215892
Mar'09	0.000000	1.099898	0.000000	0.000000	1.099898
Total	0.024123	11.352378	0.159277	0.006064	11.541843

13.4 BSES Yamuna Power Ltd. (BYPL)

All figures in MUs

MONTH	BRPL	NDPL	NDMC	MES	Total
Apr'08	14.372928	6.136082	0.116406	0.021740	20.6472
May'08	15.382975	6.446391	0.163326	0.003499	21.9962
June'08	12.796907	8.710142	0.147290	0.000541	21.6549
July'08	11.903806	7.106137	0.212624	0.000000	19.2226
Aug'08	12.792864	6.886227	0.190588	0.016734	19.8864
Sept'08	5.080807	4.356240	0.106984	0.002922	9.5470
Oct'08	7.600497	6.198490	0.034197	0.000000	13.8332
Nov'08	3.766644	3.884279	0.000000	0.000000	7.6509
Dec'08	5.531865	4.848230	0.000025	0.003317	10.3834
Jan'09	7.456153	6.124172	0.000000	0.002595	13.5829
Feb'09	4.260003	4.978019	0.000000	0.001037	9.2391
Mar'09	0.514372	1.454809	0.000000	0.000000	1.9692
Total	101.459819	67.129216	0.971440	0.052386	169.6129

13.5 North Delhi Power Ltd. (NDPL)

All figures in MUs

MONTH	BRPL	BYPL	NDMC	MES	Total
Apr'08	2.497898	0.027932	0.021418	0.005839	2.553086
May'08	1.484574	0.000123	0.064050	0.000130	1.548876
June'08	0.710761	0.001093	0.000156	0.000017	0.712027
July'08	0.362420	0.001149	0.000359	0.000000	0.363928
Aug'08	0.828026	0.000000	0.015845	0.004077	0.847947
Sept'08	0.029548	0.000213	0.001416	0.000000	0.031178
Oct'08	0.534181	0.013820	0.004034	0.000000	0.552035
Nov'08	0.161683	0.000000	0.000000	0.000000	0.161683
Dec'08	0.761653	0.000000	0.000000	0.000369	0.762022
Jan'09	0.864556	0.002981	0.000000	0.001103	0.868640
Feb'09	0.287611	0.000000	0.000000	0.000016	0.287628
Mar'09	0.032557	0.000000	0.000000	0.000000	0.032557
Total	8.555468	0.047310	0.107278	0.011550	8.721606

14 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 :

A) For Intrastate (Meters provided by DTL)

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 Total
	Discom	220/66/33KV	11/6.6KV	TOTAL		220/66/33KV	11/6.6KV	TOTAL		
1)	NDPL	41	45	86	79	38	0	38	32	111
2)	BRPL	57	44	101	64	67	0	67	44	108
3)	BYPL	58	29	87	55	56	1	57	45	100
4)	NDMC	25	4	29	29	25	4	29	29	58
5)	MES	6	8	14	13	6	7	13	13	26
	TOTAL	187	130	317	240	192	12	204	163	403
	GRAND TOTAL			521	403					

B) 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	IP Station	27	2	2
02	RPH	14	2	2
03	G.T.	8	2	2
04	Pragati	3	3	--
05	BTPS	11	6	5
	TOTAL	63	15	11

- a) No. of Meters involved for Intrastate ABT billing with DISCOMs = 240
b) No of Meters involved for UI billing of Genco = 15
c) Overall meters dealt by DTL = 419

C) 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	31	23
	Total		54

The details of the UI Transactions for 2008-09 at Intrastate Level are as under :

14.1 UI Transactions of NDPL

Month	Scheduled drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	Amount as per Intrastate UI account in Rs. Lacs	Adjusted UI amount to equate the same wih Inter state UI accounts issued by NRPC for the state of Delhi as a whole in Rs Lacs	Avg Rate in Ps/unit
Apr-08	516.145	496.550	-19.596	-1474.81	-1478.07	754.29
May-08	589.542	575.188	-14.354	-334.36	-353.68	246.40
Jun-08	627.462	611.418	-16.045	-557.10	-584.54	364.32
Jul-08	679.609	664.261	-15.349	-942.32	-918.50	598.43
Aug-08	651.161	622.931	-28.230	-1303.63	-1292.04	457.68
Sep-08	590.560	584.441	-6.120	67.00	103.17	-168.59
Oct-08	513.923	535.531	21.608	1910.81	1916.27	886.82
Nov-08	426.673	426.293	-0.380	245.11	68.16	-1793.53
Dec-08	414.830	453.938	39.108	1777.28	1605.42	410.51
Jan-09	452.886	472.005	19.119	761.32	699.41	365.83
Feb-09	414.666	419.126	4.460	321.15	153.61	344.41
Mar-09	457.153	463.885	6.731	294.60	105.89	157.30
Total	6334.611	6325.566	-9.045	765.05	25.11	-27.76

Note :

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

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

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

14.2 UI Transactions of BRPL

Month	Scheduled drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	Amount as per Intrastate UI account in Rs. Lacs	Adjusted UI amount to equate the same with Inter state UI accounts issued by NRPC for the state of Delhi as a whole in Rs Lacs	Avg Rate in Ps/unit
Apr-08	726.325	729.689	3.364	838.44	864.43	2569.67
May-08	893.904	852.066	-41.839	-895.55	-915.40	218.79
Jun-08	979.082	878.752	-100.329	-4393.31	-4543.43	452.85
Jul-08	1004.020	969.461	-34.559	-1707.18	-1682.29	486.79
Aug-08	884.503	911.307	26.805	2139.75	2163.06	806.97
Sep-08	818.300	837.032	18.732	2429.25	2552.57	1362.67
Oct-08	770.327	762.368	-7.959	-70.58	-22.91	28.79
Nov-08	634.178	584.776	-49.402	-2101.59	-2208.46	447.04
Dec-08	656.593	613.911	-42.682	-1490.91	-1556.80	364.74
Jan-09	647.429	652.743	5.314	1604.41	1541.96	2901.70
Feb-09	562.364	552.353	-10.010	-123.11	-274.09	273.81
Mar-09	634.838	620.438	-14.400	-444.08	-570.16	395.95
Total	9211.862	8964.897	-246.965	-4214.47	-4651.51	188.35

Note :

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

14.3 UI Transactions of BYPL

Month	Scheduled drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	Amount as per Intrastate UI account in Rs. Lacs	Adjusted UI amount to equate the same with Inter state UI accounts issued by NRPC for the state of Delhi as a whole in Rs Lacs	Avg Rate in Ps/unit
Apr-08	450.342	424.836	-25.507	-1320.07	-1339.48	525.15
May-08	528.937	496.548	-32.389	-982.12	-1008.07	311.24
Jun-08	539.171	521.162	-18.010	-546.46	-602.87	334.75
Jul-08	556.678	565.300	8.622	732.62	801.19	929.29
Aug-08	545.633	536.249	-9.384	57.43	56.82	-60.55
Sep-08	504.574	508.395	3.821	875.33	918.24	2403.16
Oct-08	477.694	461.478	-16.216	-432.38	-383.49	236.49
Nov-08	393.478	348.774	-44.704	-2018.82	-2131.91	476.89
Dec-08	400.543	352.953	-47.590	-2113.23	-2202.46	462.80
Jan-09	417.798	374.665	-43.133	-1354.51	-1419.14	329.02
Feb-09	379.039	324.739	-54.300	-2869.25	-3004.28	553.28
Mar-09	440.132	367.225	-72.907	-3100.93	-3223.84	442.19
Total	5634.020	5282.323	-351.697	-13072.38	-13539.30	384.97

Note :

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

14.4 UI Transactions of NDMC

Month	Scheduled drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	Amount as per Intrastate UI account in Rs. Lacs	Adjusted UI amount to equate the same with Inter state UI accounts issued by NRPC for the state of Delhi as a whole in Rs Lacs	Avg Rate in Ps/unit
Apr-08	122.203	98.908	-23.294	-1811.52	-1794.77	770.48
May-08	146.638	115.675	-30.963	-1318.41	-1309.74	423.00
Jun-08	128.524	119.171	-9.353	-419.99	-443.79	474.50
Jul-08	139.974	132.135	-7.839	-342.31	-328.86	419.50
Aug-08	124.326	122.533	-1.793	-30.79	-34.45	192.09
Sep-08	128.823	116.996	-11.826	-364.83	-363.13	307.06
Oct-08	150.002	106.112	-43.890	-2605.53	-2526.92	575.74
Nov-08	116.538	75.089	-41.449	-2234.49	-2356.10	568.43
Dec-08	130.524	77.349	-53.174	-2868.32	-2969.64	558.47
Jan-09	147.458	84.371	-63.087	-2617.80	-2693.07	426.88
Feb-09	141.339	68.908	-72.430	-4079.67	-4262.26	588.46
Mar-09	170.124	79.517	-90.608	-4160.55	-4326.69	477.52
Total	1646.472	1196.765	-449.707	-22854.21	-23409.44	520.55

Note :

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

14.5 UI Transactions of MES

Month	Scheduled drawal in Mus	Actual drawal in MUs in Mus	UI Energy in Mus	Amount as per Intrastate UI account in Rs. Lacs	Adjusted UI amount to equate the same with Inter state UI accounts issued by NRPC for the state of Delhi as a whole in Rs Lacs	Avg Rate in Ps/unit
Apr-08	24.158	14.177	-9.982	-773.41	-788.75	790.20
May-08	24.299	15.442	-8.857	-377.03	-374.86	423.24
Jun-08	22.571	16.279	-6.292	-276.26	-286.95	456.05
Jul-08	21.529	18.376	-3.154	-179.10	-175.90	557.78
Aug-08	21.860	17.527	-4.333	-173.39	-171.86	396.63
Sep-08	18.479	16.182	-2.297	-93.68	-91.76	399.50
Oct-08	23.740	14.791	-8.949	-520.36	-508.94	568.71
Nov-08	23.937	13.014	-10.923	-528.04	-554.23	507.38
Dec-08	29.488	15.870	-13.619	-617.07	-637.73	468.28
Jan-09	29.288	19.285	-10.003	-413.96	-424.70	424.57
Feb-09	28.031	14.042	-13.989	-801.60	-832.92	595.40
Mar-09	30.366	13.473	-16.893	-846.56	-880.30	521.12
Total	297.747	188.456	-109.291	-5600.46	-5728.93	524.19

Note :

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

14.6 UI Transactions of IP

Month	Scheduled Ex-bus generation in Mus	Actual Ex-bus generation in Mus	UI Energy in Mus	Amount as per Intrastate UI account in Rs. Lacs	Adjusted UI amount to equate the same with Inter state UI accounts issued by NRPC for the state of Delhi as a whole in Rs Lacs	Avg Rate in Ps/unit
Apr-08	51.791	53.407	1.617	-9.85	-45.84	-283.50
May-08	59.675	60.747	1.071	-14.67	-7.35	68.56
Jun-08	47.264	46.302	-0.962	57.37	-67.12	697.88
Jul-08	44.745	44.445	-0.300	43.02	10.44	347.79
Aug-08	38.139	37.349	-0.790	49.88	50.51	639.27
Sep-08	31.526	31.577	0.050	4.04	16.81	3343.69
Oct-08	35.695	36.045	0.350	-17.81	-0.80	-22.79
Nov-08	35.773	35.801	0.028	40.28	-102.76	- 36880.81
Dec-08	51.165	51.652	0.487	-9.81	-32.72	671.90
Jan-09	49.818	49.949	0.131	-7.73	-37.51	2856.01
Feb-09	53.710	53.833	0.123	0.26	-59.85	4852.10
Mar-09	60.122	61.385	1.263	-0.35	-112.69	891.95
Total	559.423	562.493	3.069	134.61	-388.87	-1266.91

Note :

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

14.7 UI Transactions of RPH

Month	Scheduled Ex-bus generation in Mus	Actual Ex-bus generation in Mus	UI Energy in Mus	Amount as per Intrastate UI account in Rs. Lacs	Adjusted UI amount to equate the same with Inter state UI accounts issued by NRPC for the state of Delhi as a whole in Rs Lacs	Avg Rate in Ps/unit
Apr-08	60.871	61.940	1.069	-29.07	-39.91	-373.27
May-08	47.672	48.049	0.377	-1.09	-34.37	910.99
Jun-08	59.724	60.547	0.823	-22.44	-25.41	-308.61
Jul-08	69.437	70.381	0.943	-23.60	-29.31	310.72
Aug-08	64.596	64.558	-0.037	9.80	21.16	5675.63
Sep-08	63.467	63.970	0.503	-14.38	-5.71	-113.42
Oct-08	63.222	64.625	1.403	-11.81	-3.41	-24.33
Nov-08	66.422	66.428	0.007	0.98	-80.10	-118025.97
Dec-08	67.786	67.635	-0.151	0.89	-57.73	-3827.67
Jan-09	63.997	63.216	-0.781	32.46	22.12	283.31
Feb-09	60.814	60.800	-0.014	-3.32	-92.12	-64826.98
Mar-09	64.301	64.067	-0.234	13.34	2.93	125.15
Total	752.307	756.216	3.909	-48.23	-321.85	-823.41

Note :

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

14.8 UI Transactions of GT

Month	Scheduled Ex-bus generation in Mus	Actual Ex-bus generation in Mus	UI Energy in Mus	Amount as per Intrastate UI account in Rs. Lacs	Adjusted UI amount to equate the same with Inter state UI accounts issued by NRPC for the state of Delhi as a whole in Rs Lacs	Avg Rate in Ps/unit
Apr-08	128.471	131.954	3.483	-225.27	-223.75	-642.42
May-08	100.760	101.720	0.960	-34.17	-108.60	1131.19
Jun-08	85.008	85.640	0.632	-33.32	-64.04	- 1013.37
Jul-08	89.746	91.869	2.123	-118.19	-112.46	529.58
Aug-08	104.270	105.388	1.118	-80.61	-78.87	705.77
Sep-08	92.232	94.675	2.443	-156.94	-142.62	-583.85
Oct-08	114.085	115.836	1.751	-139.87	-165.04	-942.63
Nov-08	99.059	99.937	0.878	-56.51	-62.24	-709.14
Dec-08	98.368	99.496	1.128	-56.71	-49.71	440.92
Jan-09	98.438	99.036	0.598	-27.32	-41.92	700.79
Feb-09	92.051	92.843	0.792	-72.92	-80.08	1010.72
Mar-09	118.334	119.151	0.817	-64.16	-88.17	1078.59
Total	1220.822	1237.545	16.723	-1066.00	-1217.50	-728.05

Note :

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

14.9 UI Transactions of PPCL

Month	Scheduled Ex-bus generation in Mus	Actual Ex-bus generation in Mus	UI Energy in Mus	Amount as per Intrastate UI account in Rs. Lacs	Adjusted UI amount to equate the same with Inter state UI accounts issued by NRPC for the state of Delhi as a whole in Rs Lacs	Avg Rate in Ps/unit
Apr-08	121.246	124.228	2.982	-263.49	-250.10	-838.68
May-08	214.694	217.993	3.299	-197.32	-197.63	598.96
Jun-08	209.444	213.138	3.695	-226.55	-230.40	-623.61
Jul-08	209.940	215.057	5.117	-389.90	-361.20	705.84
Aug-08	186.519	190.077	3.558	-195.34	-192.88	542.04
Sep-08	204.540	206.381	1.841	-254.10	-187.89	-1020.45
Oct-08	209.316	214.065	4.749	-360.53	-346.17	-728.94
Nov-08	209.055	214.831	5.776	-311.35	-330.12	-571.50
Dec-08	217.269	223.523	6.254	-331.48	-345.31	552.10
Jan-09	162.575	166.695	4.121	-205.36	-220.86	535.98
Feb-09	152.894	156.058	3.163	-201.44	-210.31	664.80
Mar-09	185.002	192.474	7.472	-288.43	-300.49	402.15
Total	2282.493	2334.522	52.029	-3225.28	-3173.35	-609.92

Note :

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

14.10 UI Transactions of BTPS

Month	Scheduled Ex-bus generation in Mus	Actual Ex-bus generation in Mus	UI Energy in Mus	Amount as per Intrastate UI account in Rs. Lacs	Adjusted UI amount to equate the same with Inter state UI accounts issued by NRPC for the state of Delhi as a whole in Rs Lacs	Avg Rate in Ps/unit
Apr-08	428.973	434.633	5.660	-372.88	-164.90	-291.35
May-08	427.414	434.965	7.551	-362.82	-263.95	349.57
Jun-08	435.750	441.542	5.792	-285.90	-188.09	-324.73
Jul-08	398.872	458.191	4.905	-313.39	-153.39	312.72
Aug-08	453.117	411.167	5.073	-311.80	-124.54	245.47
Sep-08	369.376	375.717	6.341	-346.68	-132.23	-208.53
Oct-08	399.634	406.059	6.425	-313.72	-191.44	-297.96
Nov-08	357.497	362.272	4.776	-224.45	-158.59	-332.09
Dec-08	434.356	443.017	8.661	-457.68	-315.83	364.67
Jan-09	456.140	465.601	9.461	-466.78	-333.77	352.79
Feb-09	415.508	421.617	6.109	-320.53	-186.54	305.34
Mar-09	442.964	453.012	10.048	-386.73	-295.13	293.72
Total	5019.601	5107.792	80.802	-4163.36	-2508.41	-310.44

Note :

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

15 CAPACITOR REQUIREMENT IN DELHI

15.1 CAPACITOR REQUIREMENT AND INSTALLED CAPACITY OF CAPACITORS IN DELHI AS PER NRPC STUDY FOR 2007-08 AND 2008-09

(All figures in MVAR)

Requirement		Installed Capacity		Working Capacity in MVAR	
2007-08	2008-09	2007-08	2008-09	2007-08	2008-09
3750	2097	3456	3456	3410	3360

[The above does not include LT Capacitors]

15.2 DETAILS OF THE CAPACITORS INSTALLED IN DELHI SYSTEM LUMPED TO THE NEAREST 220KV GRID SUB-STATIONS AS ON 31.03.2009 IS AS UNDER :-

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	TOTAL
1	IP STATION		30		30
1	Kamla Market			9.65	9.65
2	Minto Road			5.45	5.45
3	GB Pant Hosp			5.45	5.45
4	Delhi Gate			10.9	10.9
5	Tilakmarg			5.04	5.04
6	Electric Lane			5.04	5.04
7	Cannaught Place			5.04	5.04
8	Kilokri		10.08	10.48	20.56
9	NDSE				
10	AIIMS		13.26	5.04	18.3
11	Nizamuddin			5.04	5.04
12	Exhibition-I		10		10
13	Exhibition-II				
14	Defence Colony			10.9	10.9
15	IG Stadium		10.08		10.08
16	Lajpat Nagar			5.04	5.04
					156.49
2	IP Extn.				
1	School Lane			5.04	5.04
2	Scindia House			5.04	5.04
3	Vidyut Bhawan			10.08	10.08
4	Nirman Bhawan			5.04	5.04
5	Dalhousie Road			5.04	5.04
					30.24
3	RPH Station		20	5.04	25.04
1	Lahori Gate			10.45	10.45
2	Jama Masjid			5.03	5.03
3	Kamla Market			5.45	5.45
4	Minto Road			5.45	5.45
5	GB Pant Hosp			5.03	5.03
6	IG Stadium			5.45	5.45
					61.9

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	TOTAL
4	Park Street S/stn	20	20		40
1	Shastri Park		10.896	5.45	16.346
2	Faiz Road			10.9	10.9
3	Motia Khan			16.3	16.3
4	Parshad Nagar			16.3	16.3
5	Anand Parbat			10.8	10.8
6	Shankar Road			5.04	5.04
7	Rama Road			14.4	14.4
8	Baird Road			10.08	10.08
9	Hanuman Road			5.04	5.04
10	Pusa			7.2	7.2
11	Ridge Valley				
12	SJ Airport			5.04	5.04
13	B. D. Marg				
					157.446
5	Naraina S/stn		20	5.04	25.04
1	DMS			10.45	10.45
2	Mayapuri		10.87	5	15.87
3	Inderpuri		13.27	5.04	18.31
4	Rewari line			7.2	7.2
5	Khyber Lane		10		10
6	Kirbi Place			5	5
					91.87
6	Mehrauli S/stn	80		5.04	85.04
1	Adchini			15.12	15.12
2	Andheria Bagh			10.85	10.85
3	IIT			10.9	10.9
4	JNU		10.03	10.08	20.11
5	Bijwasan			10.08	10.08
6	DC Saket		10.08	4.54	14.62
7	Malviya Nagar	21.79			21.79
8	C Dot				
9	Vasant kunj B-Blk	21.79		10.9	32.69
10	Vasant kunj C-Blk		5.45	5.45	5.45
11	Palam				
12	IGNOU				
13	R. K. Puram-I			10.08	10.08
14	Vasant Vihar			10.08	10.08
15	Bhikaji Cama Place	10	10.08	20.08	20.08
7	Vasantkunj S/stn	40		5.04	45.04
1	R. K. Puram-II			3.6	3.6
2	Vasant kunj C-Blk		5.04	5.04	5.04
3	Vasant kunj D-Blk	20.16		10.25	30.41
4	Race Course			5.04	5.04
5	Bapu Dhaam			5.04	5.04
6	Nehru Park			5.04	5.04
7	Ridge Valley				
					99.21

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	TOTAL
8	Okhla S/stn	60	10	5.04	75.04
1	Balaji			7.2	7.2
2	East of Kailash			10	10
3	Alaknanda			10.85	10.85
4	Malviya Nagar		20	10.49	30.49
5	Masjid Moth			15.94	15.94
6	Nehru Place			21.35	21.35
7	Okhla Ph-I	21.79		10.9	32.69
8	Okhla Ph-II		20.93	10.49	31.42
9	Shivalik			10.9	10.9
10	Batra			15.8	15.8
11	VSNL			10.8	10.8
12	Siri Fort			10.49	10.49
13	Tuglakabad			10.8	10.8
					293.77
9	Lodhi Road S/stn	20		20	20
1	Defence Colony				
2	Hudco			10.9	10.9
3	Lajpat Nagar			5.04	5.04
4	Nizamuddin			5.45	5.45
5	Vidyut Bhawan			10.08	10.08
6	Kidwai Nagar			5.04	5.04
7	Ex. Gr. II				
8	IHC				
					56.51
10	Sarita Vihar S/stn	20		5.04	25.04
1	Sarita Vihar			10.08	10.08
2	MCIE			10.06	10.06
3	Mathura Road	20.16		10.08	30.24
4	Jamia Millia			5.4	5.4
5	Sarai Julena			10.9	10.9
					91.72
11	South of Wazirabad				
1	Bhagirathi		10.03	10.9	20.93
2	Ghonda	21.79	22.56	15.94	60.29
3	Seelam Pur		10.08	21.39	31.47
4	Dwarkapuri			10.06	10.06
5	Nandnagri	20.16		16.35	36.51
6	Yamuna Vihar			10.8	10.8
7	East of Loni Road			10.8	10.8
8	Shastri Park			10.9	10.9
9	Karawal Nagar			5.4	5.4
					197.16

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY MVAR			
		66KV	33kV	11kV	TOTAL
12	Geeta Colony				
1	Geeta Colony			10.49	10.49
2	Kanti Nagar			10.9	10.9
3	Kailash Nagar			15.48	15.48
4	Seelam Pur				
5	Shakar Pur				
					36.87
13	Gazipur S/stn	40		5.04	45.04
1	Dallupura	21.79		10.9	32.69
2	Vivek Vihar			9.57	9.57
3	GT Road			10.85	10.85
4	Kondli	20.16		10.45	30.61
5	MVR-I			10.9	10.9
6	MVR-II	20.16		10.9	31.06
7	PPG Ind. Area			10.06	10.06
					180.78
14	Patparganj S/stn	40	20	5.04	65.04
1	GH-I	19.89		10.45	30.34
2	GH-II	20.09		10.9	30.99
3	CBD		10.03	14.94	24.97
4	Guru Angad Nagar			15.49	15.49
5	Karkadooma		10.8	10.44	21.24
6	Preet Vihar			10.07	10.07
7	CBD-II			10.8	10.8
8	Shakarpur			5.4	5.4
9	Jhilmil			10.8	10.8
10	Dilshad Garden	20.16		16.35	36.51
11	Khichripur	21.79		10.49	32.28
12	Mother Dairy				
13	Scope Building				
14	Vivek Vihar				
					293.93
15	Najafgarh S/stn	60		5.04	65.04
1	A4 Paschim Vihar			10.9	10.9
2	Nangloi	21.73		15.85	37.58
3	Nangloi W/W	20.89		5.45	26.34
4	Pankha Road			15.69	15.69
5	Jaffarpur			15.49	15.49
6	Inst. Area Janakpuri			15.9	15.9
7	Paschimpuri		10.05	15.53	25.58
8	Paschim Vihar	41.83		15.44	57.27
9	Mukherjee Park			15.49	15.49
10	Udyog Nagar			5.04	5.04
11	Choukhandi			10.08	10.08
					300.4

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
16	Pappankalan-I S/stn	20		5.04	25.04
1	Bindapur Grid G-3 PPK	21.73		15.9	37.63
2	Bodella-I	20.1		15.9	36
3	Bodella-II	21.73		14.53	36.26
4	DC Janakpuri			10.04	10.04
5	G-2 PPK			10.9	10.9
6	G-5 PPK			15.53	15.53
7	G-6 PPK			5.45	5.45
8	Harinagar	21.18		10.49	31.67
					208.52
17	BBMB Rohtak Road				
1	S.B. Mill			10.08	10.08
2	GTK Road			12.64	12.64
3	Ram Pura			12.25	12.25
4	Rohtak Road			10.08	10.08
5	Vishal		10.05	5	15.05
6	Madipur			10.43	10.43
7	Sudershan Park			10.99	10.99
					81.52
18	Shalimarbagh S/stn		40	6	46
1	S.G.T. Nagar			13.15	13.15
2	Wazirpur-1			18.8	18.8
3	Wazirpur-2			14.4	14.4
4	Shalimarbagh			5.44	5.44
5	Ashok Vihar			20.47	20.47
6	Rani Bagh			14.4	14.4
7	Haiderpur			5.95	5.95
					138.61
19	Subzimandi S/stn			6	6
1	Shakti Nagar			5.04	5.04
2	Gulabibagh			7.32	7.32
3	Shahzadabagh			18.19	18.19
4	Tripolia			14.4	14.4
5	B. G. Road				
					50.95
20	Narela S/stn	40		5.04	45.04
1	A-7 Narela			14.4	14.4
2	AIR Kham pur			13.15	13.15
3	Badli	20		5.95	25.95
4	DSIDC Narela	26.64		5.95	32.59
5	DSIDC Narela-2			14.4	14.4
6	Jahangirpuri				
					145.53

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	TOTAL
21	Gopalpur S/stn		30	5.04	35.04
1	Azad Pur			22.8	22.8
2	Hudson Lane			5.95	5.95
3	Wazirabad			7.2	7.2
4	Indra Vihar			5.95	5.95
5	Tri Nagar			14.4	14.4
6	GTK Road			12.64	12.64
7	Jahangirpuri	26.64	20	5.95	52.59
8	Civil lines				
					156.57
22	Rohini S/stn	40		6	46
1	Rohini Sec-24 Ckt-I			14.4	14.4
2	Rohini Sec-24 Ckt-II	26.64		5.95	32.59
3	Rohini-1			5.95	5.95
4	Rohini-2			13.15	13.15
5	Rohini-3			5.95	5.95
6	Rohini-4			11.9	11.9
7	Rohini-5			13.15	13.15
8	Rohini-6	26.64		5.95	32.59
9	Mangolpuri-1			20.35	20.35
10	Mangolpuri-2	26.64		6	32.64
11	Saraswati Garden			11.9	11.9
12	Pitam Pura-1	20	20	12.6	52.6
13	Pitam Pura-2			5.95	5.95
14	Pitam Pura-3			7.32	7.32
					306.44
23	Kanjhawala S/stn	20		5.04	25.04
1	Bawana Clear Water				
2	Pooth Khoord				
					25.04
24	BAWANA S/stn				
1	Bawana S/stn No. 6			14.64	14.64
2	Bawana S/stn No. 7			7.2	7.2
					21.84
25	Kashmeregata S/stn			5.04	5.04
1	Civil lines			12	12
2	Town Hall			10.49	10.49
3	Fountain			5.45	5.45
					32.98
26	Pappankalan-II				
1	DMRC-I				
2	DMRC-II				
					3483.186

16. **AVAILABILITY OF DELHI TRANSCO LTD. SYSTEM FOR THE YEAR 2008-09**

Sl. No.	Name of Elements	Availability in %age
1	AVAILABILITY OF 8NOS. 400kV, 315MVA ICTs	80.02
2	AVAILABILITY OF 6NOS. 400kV LINES	98.70
3	AVAILABILITY OF 67NOS. 220kV LINES	99.03
4	AVAILABILITY OF 44NOS. 220/66kV ICTs	97.99
5	AVAILABILITY OF 25NOS. 220/33kV ICTs	89.28
6	AVAILABILITY OF 3NOS. 66/33kV ICTs	99.38
7	AVAILABILITY OF 26NOS. 66/11kV PR. TXS	99.75
8	AVAILABILITY OF 16NOS. 33/11kV PR. TXS	99.63
9	AVAILABILITY OF 88NOS. 66kV FEEDER BAYs	99.76
10	AVAILABILITY OF 94NOS. 33kV FEEDER BAYs	99.90
11	AVAILABILITY OF 204NOS. 11kV SYSTEM	99.99
12	AVAILABILITY OF 56NOS. CAP. BANKS	97.46
TOTAL AVAILABILITY OF DTL SYSTEM =		98.78

The following elements added during the year

1. 33kV Shekhawati Ckt. At Naraiona on 10.05.2008 at 17.12hrs.
2. 220kV Sarita Vihar – Maharani Bagh Ckt.on 12.05.2008 at 12.45hrs.
3. 220kV Pragati – Maharani Bagh Ckt. on 12.05.2008 at 12.45hrs.
4. 220/66kV 160MVA Pr. Tr.-IV at Pragati S/Stn. on 29.12.2008 at 12.28hrs.
5. 220/66kV 100MVA Pr. Tr.-IV at 220kV Wazirabad S/Stn. on 07.01.2009 at 17.35hrs.
6. 220kV Bawana – Bawana DSIDC Ckt-I on 07.03.2009 at 11.25hrs.
7. 220kV Bawana – Bawana DSIDC Ckt-II on 07.03.2009 at 11.25hrs.
8. 220kV Bawana DSIDC – Narela Ckt-I on 07.03.2009 at 11.25hrs.
9. 220kV Bawana DSIDC – Narela Ckt-II on 07.03.2009 at 11.25hrs.
10. 220/66kV 100MVA Pr. Tr-III at 220kV Bawana DSIDC S/Stn. on 07.03.2009 at 12.05hrs.
11. 66/11kV 20MVA Pr. Tr.-II at 220kV Bawana DSIDC S/Stn. on 07.03.2009 at 13.32hrs.

17 TRIPPINGS / BREAK-DOWNS IN 400/220KV SYSTEM FOR THE YEAR 2008-09

17.1 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH APRIL 2008

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.04.08	04.06	400KV BAMNAULI – BAWANA CKT-I & II	01.04.08	04.29	CKT. TRIPPED FOLLOWING INDICATIONS : AT BAWANA : 400KV BAMNAULI CKT-I : MAIN-I, ANZ-1, 30CH2, MAIN-II, ANZ-1, 186A, 186B, 400KV BAMNAULI CKT-II : MAIN-I BNZ, MAIN-II : BNZ AT BAMNAULI 400KV BAWANA CKT-I : DIST PROT, MAIN-I BNZ, MAIN-II ABNZ-1, AUTO RECLOSE, 186A, 186B 400KV BAWANA CKT-II : NO TRIPPING
02	01.04.08	13.45	220/33KV 100MVA PR. TR.-I AT LODHI ROAD	01.04.08	14.00	TR. TRIPPED ON AUTO RECLOSE LOCK OUT, PROT. OPERATED, TR. TROUBLE RELAY, 30 SUDDEN PRESSURE RELAY, 2/50, ZONE, 86B, 186A, 186B.
03	02.04.08	12.25	220KV BTPS – MEHRAULI CKT-II	02.04.08	12.41	CKT. TRIPPED ON DIST. PROT ZONE-I, 30C AT BTPS. NO TRIPPING AT MEHRAULI.
04	03.04.08	03.40	220KV BAMNAULI – NAJAFGARH CKT-I	02.04.08	14.07	CKT. TRIPPED ON 186A, 186B, AUTO RECLOSE, POLE DISCREPANCY AT BAMNAULI.
05	03.04.08	04.15	220/66KV 100MVA PR. TR.-II AT PATPARGANJ	03.04.08	08.00	TR. TRIPPED ON 30F, 86, 86 ALONG WITH 66KV I/C-II WHICH TRIPPED 86, 86.
06	03.04.08	04.45	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	03.04.08	15.50	TR. TRIPPED ON AUXILIARY RELAY, 30ABCDEF, 86.
07	03.04.08	21.47	220/66KV 100MVA PR. TR.-I AT PATPARGANJ	04.04.08	08.15	TR. TRIPPED ON 86, 86 ALONG WITH 66KV I/C-I WHICH TRIPPED ON 86, 6.
08	04.04.08	02.40	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	04.04.08	05.40	TR. TRIPPED ON OLTC BUCHZ.
09	04.04.08	15.50	220KV BAWANA – SHALIMAR BAGH CKT - II	04.04.08	15.52	CKT. TRIPPED AT BAWANA WITHOUT INDICATION.
10	04.04.08	16.01	220/66KV 100MVA PR. TR.-I AT NAJAFGARH	04.04.08	19.30	TR. TRIPPED ON 86, 86, DIFFERENTIAL ALONGWITH 66KV I/C-I WHICH TRIPPED ON E/F, 64. `R' PH. LA 100MVA PR. TR.DAMAGED.
11	04.04.08	18.15	220/33KV 100MVA PR. TR.-I AT PATPARGANJ	04.04.08	18.15	TR. TRIPPED ON BUCHZ, 86, 86
12	04.04.08	17.20	220/33KV 100MVA PR. TR.-II AT SUBZI MANDI	04.04.08	19.13	TR. TRIPPED ON 30F, PRV, 86 ALONG WITH 33KV I/C-II WHICH TRIPPED ON 86.
13	04.04.08	20.00	220KV PRAGATI – PARK STREET CKT-I	04.04.08	20.07	CKT. TRIPPED ON 67N, 86B AT PARK STREET. NO TRIPPING AT PRAGATI.
14	04.04.08	23.40	220/33KV 100MVA PR. TR.-III AT NARAINA	05.04.08	11.30	TR. TRIPPED ON 195C.
15	05.04.08	02.55	400KV BAWANA – ABDULLAPUR CKT-I	05.04.08	19.05	CKT. TRIPPED ON HIGH VOLTAGE

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
16	06.04.08	01.39	220KV MEHRAULI – VASANT KUNJ CKT-I	06.04.08	11.52	CKT. TRIPPED ON DIST PROT `A` PHASE, 86A, 86B AT BOTH ENDS.
17	06.04.08	02.35	220/66KV 100MVA PR. TR.-II AT GAZIPUR	06.04.08	12.05	TR. TRIPPED WITHOUT INDICATION.
18	06.04.08	14.10	220/66KV 100MVA PR. TR.-II AT GAZIPUR	06.04.08	21.30	TR. TRIPPED WITHOUT INDICATION.
19	06.04.08	17.22	220KV IP – RPH CKT-I	06.04.08	21.07	CKT. TRIPPED ON DIST.PROT ZONE-I AT IP AND ON 86A, 86B, 86T, 186X, AUTO RECLOSE, 186A, 186B, MAIN PROT. TRIP, START PH AB, TRIP PH ABC AT RPH.
20	10.04.08	16.45	220KV MANDOLA – WAZIRABAD CKT-IV	10.04.08	17.28	CKT. TRIPPED ON DIST PROT ZONE-I `R` PH. AT MANDOLA AND ON RXME18, DIST PROT ZONE-I, RYB PH AT WAZIRABAD.
21	12.04.08	05.46	220KV IP – PATPAR GANJ CKT-II	12.04.08	06.30	CKT. TRIPPED WITHOUT INDICATION AT BOTH ENDS.
22	13.04.08	01.23	220KV BAWANA – SHALIMARBAGH CKT-I	14.04.08	00.55	CKT. TRIPPED ON DIST PROT. `A` PH, 186 AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.
23	13.04.08	15.52	220KV GOPALPUR – SUBZI MANDI CKT-II	13.04.08	16.10	CKT. TRIPPED ON DIST PROT ZONE-I `RYB` PHASE AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
24	14.04.08	11.16	220/66KV 100MVA PR. TR.-I & II AT PRAGATI	14.04.08	15.30	100MVA PR. TR.-I&II TRIPPED ON WITHOUT INDICATION AT 66KV SIDE. DUE TO THE TRIPPING, ALL RUNNING UNITS AT GT ALSO TRIPPED. GT-2, 3, 4, 5 & STG-1 SYNCHRONIZED AT 13.05HRS, 15.28HRS, 11.59HRS, 11.38HRS & 14.32HRS RESPECTIVELY. UNIT-3 & 4 WAS UNDER SHUT-DOWN. 100MVA PR. TR.-I & II SYNCHRONIZED AT 15.30HRS. AND 14.56HRS. RESPECTIVELY.
25	14.04.08	22.25	33/11KV 16MVA PR. TR.-IV AT LODHI ROAD	15.04.08	02.05	TR. TRIPPED ON O/C, 86 ALONG WITH 11KV I/C-IV WHICH TRIPPED ON E/F, 86.
26	15.04.08	00.23	220KV IP EXT – SARITA VIHAR CKT-I	15.04.08	01.30	CKT. TRIPPED ON DIST PROT ZONE-I `C` PHASE, ACTIVE GROUP-I AT IP EXT AND ON DIST PROT ZONE-I `ABC` PHASE, 86A, 186B AT SARITA VIHAR.
27	16.04.08	01.05	400KV BAWANA – BAHADURGARH CKT	16.04.08	14.02	CKT. TRIPPED ON 195A, 195B, 195C, 186A, 186B, CB AUTO TRIP, CB POLE DISCREPANCY A BAWANA. CKT. TRIED TO CLOSE BUT AGAIN TRIPPED ON AUOT RECLOSE LOCK OUT, 186A&B.
28	16.04.08	18.05	220/669KV 100MVA PR. TR.-II AT PATPARGANJ	16.04.08	18.44	TR. TRIPPED ON 86, 86, 51AX.
29	17.04.08	05.15	400KV BAWANA – BAHADURGARH CKT	16.04.08	05.43	CKT. TRIPPED ON AUTO TRIP, CB POLE DISCREPANCY, 195AC, 195BC, 195CC, 295AC, 295BC, 295CC, 186A, 186B. CKT. TRIED TO CLOSE AT 05.38HRS. BUT DID NOT HOLD. CKT. FINALLY CHARGED AT 05.43HRS. THROUGH CB NO.652
30	19.04.08	11.03	220KV MAHARANI BAGH – LODHI ROAD CKT-II	19.04.08	11.37	CKT. TRIPPED ON MAIN-II PROTECTION. NO TRIPPING AT LODHI ROAD.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	19.04.08	11.03	220/33KV 100MVA PR. TR.-II AT LODHI ROAD	19.04.08	11.45	TR. TRIPPED ON OLTC BUCHZ.
32	20.04.08	01.15	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	20.04.08	12.50	TR. TRIPPED ON DIFFERENTIAL, 87, Y&B, 86 ALONG WITH 11KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
33	20.04.08	14.32	220KV BTPS – OKHLA CKT-II	20.04.08	14.46	CKT. TRIPPED ON 30BC, 30G, 186 AT BTPS. NO TRIPPING AT OKHLA.
34	20.04.08	17.33	220KV WAZIRABAD – KASHMIRI GATE CKT- II	20.04.08	17.47	CKT. TRIPPED ON RXME18, DIST PROT RH PHASE, GENERAL TRIP, GCC-STFWL- 123, ZM-I TRIP, ZM-II START, ZM-III START AT WAZIRABAD. NO TRIPPING KASHMIRI GATE.
35	20.04.08	17.51	220/33KV 100MVA PR. TR.-I AT NARAINA	20.04.09	19.35	TR. TRIPPED ON O/C, E/F, 86B, 80DC-I ALONG WITH 33KV I/C-I WHICH TRIPPED ON 86, O/C, 51R, `R&B` PHASE.
36	21.04.08	04.31	400BAWANA – BAHADURAGARH CKT.	21.04.08	17.20	CKT. TRIPPED ON CB POLE DISCREPANCY, AUTO TRIP, 186A&B, 2/88 TIMER RELAY AT BAWANA.
37	21.04.08	13.29	220KV BTPS – OKHLA CKT-II	21.04.08	13.42	CKT. TRIPPED ON 30BC, 30G AT BTPS. NO INDICATION AT OKHLA.
38	21.04.08	17.22	400BAWANA – BAHADURAGARH CKT.	21.04.08	19.04	CKT. TRIPPED ON CB AUTO TRIP, POLE DISCREPANCY, 186A, 186B AT BAWANA.
39	22.04.08	10.38	220KV BTPS – MEHRAULI CKT-I	22.04.08	11.17	CKT. TRIPPED ON 30C, 30G, 186 AT BTPS. NO TRIPPING AT MEHRAULI.
40	22.04.08	14.54	220KV BAWANA – NARELA CKT-I	22.04.08	18.42	CKT. TRIPPED ON DIST PROT `A` PHASE ZONE-I AT BAWANA. NO TRIPPING AT NARELA.
41	22.04.08	18.42	220KV MANDOLA - WAZIRABAD CKT-IV	22.04.08	19.55	CKT. TRIPPED ON DIST PROT ZONE-I `RYB` PH. AT WAZIRABAD, AND `Y&B` PHASE, 86RYB, 186A&B AT MANDOLA.
42	23.04.08	07.40	33/11KV 16MVA PR. TR. AT KASHMIRI GATE	23.04.08	08.40	TR. TRIPPED ON DIFFERENTIAL `R` PHASE, 87, 86, WINDING TEMP. ALARM.
43	23.04.08	08.40	66/11KV 20MVA PR. TR.-I AT ROHINI	23.04.08	16.45	TR. TRIPPED ON O/C, E/F ALONG WITH 11KV I/C-I WHICH ALSO TRIPPED ON O/C & E/F.
44	24.04.08	15.22	220KV PRAGATI – SARITA VIHAR CKT-I	24.04.08	15.54	CKT. TRIPPED ON DIST PROT ZONE-I `C` PHASE, 186A, 186B AT SARITA VIHAR AND ON 186, 186 AT PRAGATI.
45	25.04.08	12.19	220/66KV 100MVA PR. TR.-II AT GAZIPUR	25.04.08	17.30	TR. TRIPPED ON TRIP CKT FAULTY.
46	26.04.08	12.05	220KV MANDOLA – GOPALPUR CKT-II	26.04.08	12.30	CKT. TRIPPEDON ON DIST PROT ZONE-I `B` PH., 86RYB, 186A&B AT MANDOLA AND ON DIST PROT ZONE-I, RYB PHASE AT GOPALPUR
47	26.04.08	12.56	220KV MANDOLA – GOPALPUR CKT-II	26.04.08	17.38	CKT. TRIPPEDON ON DIST PROT ZONE-I, RYB PHASE AT GOPALPUR. NO TRIPPING AT MANDOLA.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
48	26.04.08	15.59	220KV MANDOLA – WAZIRABAD CKT-IV	26.04.08	16.25	CKT. TRIPPED WITHOUT INDICATION AT WAZIRABAD. DUE TO THE TRIPPING, 220/66KV 100MVA TR.-II & III ALSO TRIPPED AT WAZIRABAD. 100MVA PR. TR.-II TRIPPED WITHOUT INDICATION WHILE 100MVA PR. TR.-III TRIPPED ON E/F. 100MVA PR. TR.-II & III CHARGED AT 16.13HRS AND 16.15HRS RESPECTIVELY.
49	26.04.08	15.50	220KV MANDOLA – NARELA CKT-I	26.04.08	17.49	CKT. TRIPPED ON CBA/T, AUTO RECLOSE LOCK OUT, DIRECT TRIP, SIGNAL NORMAL BACK TRIP, 86, AUX RELAY AT MANDOLA. NO TRIPPING AT NARELA.
50	27.04.08	06.06	220KV PRAGATI – PARK STREET CKT-I	27.04.08	06.20	CKT. TRIPPED ON E/F AT PARK STREET. NO TRIPPING AT PRAGATI.
51	28.04.08	08.22	220KV MANDOLA – NARELA CKT-I	28.04.08	09.53	CKT. TRIPPED ON BACK UP PROT. AT MANDOLA. NO TRIPPING AT NARELA.
52	28.04.08	13.28	220KV BTPS – MEHRAULI CKT-II	28.04.08	14.05	CKT. TRIPPED ON 186, 30A, 86X1, 6X2 T BTPS AND ON ACTIVE GROUP-I, DIST PROT ZONE-I `A` PHASE AT MEHRAULI
53	29.04.08	10.05	220/33KV 100MVA PR. TR.-III AT GOPALPUR	28.04.08	11.02	TR. TRIPPED ON 30B, 30H, 95C AND 86.
54	29.04.08	13.22	220KV BTPS – NOIDA – GAZIPUR CKT.	29.04.08	14.28	CKT. TRIPPED ON DIST PROT `A` PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR.
55	29.04.08	17.00	220KV MAHARANI BAGH – LODHI ROAD CKT-I & II	29.04.08	17.24	NO TRIPPING AT LODHI ROAD & MAHARANI BAGH. IT WAS INFORMED BY NRLDC THAT 400KV BALLABH GARH & DADRI CKTS TO MAHARANI BAGH TRIPPED ON DIST. PROT.
56	29.04.08	21.03	220/66KV 100MVA PR. TR.-II AT NARELA	30.04.08	00.23	TR. TRIPPED ON BIAS DIFFERENTIAL, A&C PHASE, 86.
57	29.04.08	23.45	220/66KV 100MVA PR. TR-I WAZIRABAD	30.04.08	02.20	TR. TRIPPED ON 86
58	30.04.08	15.21	220KV MAHARANI BAGH – LODHI ROAD CKT.-II	30.04.08	16.18	NO TRIPPING AT MAHARANI BAGH. CKT. TRIPPED AT LODHI ROAD DUE TO DAMAGE OF CT OF 33KV BUS-I OF 16MVA PR. TR.-IV AT LODHI ROAD.

17.2 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH MAY - 2008

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.05.08	05.35	220KV SARITA VIHAR – PRAGATI CKT-II	01.05.08	05.52	CKT. TRIPPED ON DIST PROT `A` PHASE, ZONE-I, 186 AT PRAGATI AND ON DIST PROT `A` PH ZONE-I, 186A, 186B, AUTO RECLOSE LOCK OUT AT SARITA VIHAR.
02	01.05.08	11.00	400/220KV 315MVA ICT-I AT BAWANA	01.05.08	14.51	ICT TRIPPED ON 186AB, 186AC, 295AC, 30E, 30F, 86A, 167C, 167N, ALONG WITH 220KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
03	01.05.08	11.10	220KV BAWANA – NARELA CKT-II	01.05.08	14.51	CKT. TRIPPED ON DIST PROT BC PHASE ZONE-I AT BAWANA. NO TRIPPING AT NARELA.
04	01.05.08	11.40	220KV BTPS – NOIDA – GAZIPUR CKT.	01.05.08	12.17	CKT. TRIPPED ON 186 AT BTPS. NO TRIPPING AT GAZIPUR
05	01.05.08	18.44	220KV BTPS – NOIDA – GAZIPUR CKT.	01.05.08	19.30	CKT. TRIPPED ON `C` PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR
06	03.05.08	15.04	220KV MANDOLA – GOPALPUR CKT-II	03.05.08	19.24	CKT. TRIPPED ON DIST PROT `B` PHASE ZONE-I AT MANDOLA AND ON DIST PROT ZONE-I RYB PHASE AT GOPALPUR.
07	03.05.08	18.19	33KV I/C-I AT SHALIMAR BAGH	03.08.08	18.32	33KV I/C-I TRIPPED ON 51N, 86. `B` PH. CT OF THE CAPACITOR BANK-II DAMAGED.
08	03.05.08	22.46	220/66KV 100MVA PR. TR.-III AT WAZIRABAD	04.05.08	00.24	100MVA PR. TR.-III TRIPPED ON THREE PHASE TRIPPING, O/C, 50/51R ALONG WITH 66KV I/C-II AND III WHICH TRIPPED ON 86, O/C, 51A AND 86, O/C, E/F RESPECTIVELY. 66KV I/C-II CHARGED AT 23.05HRS. AND 66KV I/C-III CHARGED AT 00.15HRS. ON 04.05.08
09	04.05.08	16.20	220/66KV 100MVA PR. TR.-I AT GAZIPUR	04.05.08	20.00	TR. TRIPPED ON OLTC BUCHZ. ALONG WITH ITS 66KV I/C-I WHICH TRIPPED ON INTER TRIPPING.
10	04.05.08	17.03	220KV SARITA VIHAR – PRAGATI CKT-II	04.05.08	17.14	CKT. TRIPPED ON DIST PROT RYB PH. ZONE-I, AUTO RECLOSE LOCK OUT AT PRAGATI AND ON 186, DIST PROT ZONE-I ABC PHASE AT SARITA VIHAR.
11	04.05.08	17.44	220/66KV 100MVA PR. TR.-II AT PAPPANKALAN-II	04.05.08	20.30	TR. TRIPPED ON LBB PROT. PRV RELAY.
12	04.05.08	17.50	220KV BAMNAULI – NARAINA CKT-I	04.05.08	18.30	CKT. TRIPPED ON AUTO RECLOSE LOCK OUT, 186A&B, DIST PROT ZONE-I `C` PHASE AT BAMNAULI. NO TRIPPING AT NARAINA.
13	04.05.08	18.35	220KV BAMNAULI – NAJAFGARH CKT.-II	04.05.08	18.58	CKT. TRIPPED ON DIST PROT `C` PHASE, AUTO RECLOSE LOCK OUT, 186A&B AT BAMNAULI. NO TRIPPING AT NAJAFGARH.
14	04.05.08	18.35	220/33KV 100MVA PR. TR.-I AT KASHMIRI GATE	05.05.08	02.55	TR. TRIPPED ON O/C. E/F.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
15	04.05.08	19.35	220KV WAZIRABA – KASHMIRI GATE CKT-I	04.05.08	19.50	CKT. TRIPPED ON RXME18, REL511, DIST PROT. ZONE-I, GENERAL TRIP AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE
16	05.05.08	19.30	33KV I/C AT NARELA	06.05.08	09.05	33KV I/C OF 66/33KV 30MVA PR. TR. TRIPPED ON E/F.
17	06.05.08	15.35	220KV MAHARANI BAGH – LODHI ROAD CKT-II	06.05.08	16.26	SUPPLY FAILED FROM MAHARANI BAGH.
18	07.05.08	02.17	220KV BAWANA – SHALIMAR BAGH CKT-II	07.05.08	17.45	CKT. TRIPPED ON AUOT RECLOSE LOCK OUT, DIST PROT `C` PHASE, 186A&B, AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.
19	08.05.08	13.25	220KV MEHRAULI – VASANT KUNJ CKT-I	08.05.08	16.30	CKT. TRIPPED ON 295CA, 295CB, 295CC AT VASANT KUNJ.
20	08.05.08	16.48	220KV MANDOLA – WAZIRABAD CKT-II & III	08.05.08	17.16	CKT-II TRIPPED ON DIST PROT `R` PH. ZONE-III, 86RYB, 186A&B AND CKT-II TRIPPED ON DIST PROT `R` PH. ZONE-I, 86RYB, 186A&B AT MANDOLA. NO TRIPPING AT WAZIRABAD. CKT.-II & II CHARGED AT 17.10HRS. AND 17.16HRS. RESPECTIVELY FROM MANDOLA .
21	08.05.08	16.48	220KV IP – PATPARGANJ CKT-I	08.05.08	17.06	CKT. TRIPPED ON DIRECTIONAL E/F AT IP. NO TRIPPING AT PATPARGANJ.
22	08.05.08	18.15	220KV MANDOLA – WAZIRABAD CKT-I & IV	09.05.08	00.45	THE FOLLOWING TRIPPINGS OCCURRED : AT MANDOLA WAZIRABAD CKT-I : CB AUTO TRIP, AUTO RECLOSE LOCK OUT. WAZIRABAD CKT -IV : CB AUTO TRIP, AUTO RECLOSE LOCK OUT, DIST PROT `Y` PHASE ZONE-I, 86RYB, 186A&B. AT WAZIRABAD : MANDOLA CKT-I : GENERAL TRIP, DIST PROT RYB PHASE, ZONE-I. MANDOLA CKT-IV : NO TRIPPING
23	08.05.08	22.01	220KV BAWANA - SHALIMAR BAGH CKT-II	08.05.08	22.23	CKT TRIPPED ON E/F AT SHALIMAR BAGH
24	08.05.08	22.08	220KV BAMNAULI – MEHRAULI CKT-I	08.05.08	23.16	CKT. TRIPPED ON DIST PROT `A` PHASE ZONE-I AT MEHRAULI. NO TRIPPING AT BAMNAULI.
25	11.05.08	09.23	66/11KV 20MVA PR.TR-I AT NAJAFGARH	11.05.08	09.25	TR. TRIPPED ON 86 ALONG WITH 11KV I/C-I WHICH TRIPPED ON E/F.
26	11.05.08	18.39	220KV MANDOLA – GOPALPUR CKT-II	11.05.08	19.30	CKT. TRIPPED ON DIST PROT `YB` PHASE ZONE-II AT MANDOLA. NO TRIPPING AT GOPALPUR.
27	11.05.08	20.48	400KV BAWANA – ABDULLAPUR CKT-II	11.05.08	21.06	CKT. TRIPPED ON DIT PROT MAIN-2, 186A, 186B AT BAWANA
28	12.05.08	03.37	220KV BAWANA – SHALIMARBAGH CKT-I	12.05.08	03.52	CKT. TRIPPED ON DIST PROT `A` PHASE, 186A&B AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.
29	12.05.08	04.02	220KV BAWANA – SHALIMARBAGH CKT-I	12.05.07	04.07	CKT. TRIPPED ON DIST PROT `A` PHASE, 186A&B AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
30	12.05.08	06.42	220KV BAWANA – SHALIMARBAGH CKT-I	12.05.07	06.44	CKT. TRIPPED ON DIST PROT `A` PHASE, 186A&B AT BAWANA. NO TRIPPING AT SHALIMAR BAGH
31	12.05.08	16.55	220KV BAWANA – NAJAFGARH CKT-II	12.05.08	17.31	CKT. TRIPPED ON DIST PROT `C` PHASE ZONE-I AT BAWANA AND ON 186 AT NAJAFGARH.
32	13.05.08	04.19	400/220KV 315MVA ICT-II AT BAWANA	13.05.08	13.05	400KV BREAKER OF 400/220KV 315MVA ICT-II TRIPPED ON MAIN CBTC1 FAULTY DCFAIL, MAIN CB TC2 FAULTY DC2 FAIL, MAIN CB OPERATION LOCK OUT, 195AC, 195BC, 195CC, 295AC, 30E. ICT CHARGED THROUGH TIE BREAKER.
33	13.05.08	19.11	220/66KV 100MVA PR. TR.-II AT NAELA	13.05.08	21.44	TR. TRIPPD ON DIFFERENTIAL A&C PHASE ALONG WITH 66KV I/C-II WHICH TRIPPED WITHOUT INDICATION.
34	13.05.08	21.03	220/33KV 100MVA PR. TR-I & IV AND 220/33KV 50MVA PR. TR.-II & III AT PATPARGANJ	13.05.08	22.25	220/33KV 100MVA PR.TR-I & IV AND 50MVA PR. TR.-II & III TRIPPED ON 86. 220KV BUS BAR PROT OPERATED ON 220KV BUS-I, 87A, 87CH, 87CH, 96A, 96B, 96E, 96A, 96K, 96L RELAY OPERATED ON 220KV BUS-I. 100MVA PR. TR.-I & IV CHARGED AT 21.28HRS AND 22.23HRS. WHILE 50MVA PR. TR.-II & III CHARGED AT 21.34HRS. AND 22.25HRS.
35	13.05.08	21.03	220KV PATPARGANJ – IP CKT-I	13.05.08	22.21	CKT. TRIPPED ON 186 AT PATPARGANJ AND ON DIST PROT. ZONE-I AT IP.
36	13.05.08	21.03	220KV GEETA COLONY – PATPARGANJ CKT-I	13.05.08	22.22	CKT-I TRIPPED ON 186 AT PATPARGANJ. 220KV BUS BAR PROT. OPERATED ON 220KV BUS-I AT PATPARGANJ. NO TRIPPING AT GEETA COLONY.
37	14.05.08	09.50	VARIOUS 400/220KV TRIPPINGS IN DTL SYSTEM	14.05.08		DETAILED REPORT IS AVAILABLE AT SR. NO.18 A
38	16.05.08	17.55	220KV BTPS – NOIDA – GAZIPUR CKT.	16.05.08	18.20	CKT. TRIPPED ON `R` PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR
39	16.05.08	19.36	220KV BAWANA – NAJAFGARH CKT-II	16.05.08	19.50	CKT. TRIPPD ON DIRECTIONAL E/F, 67N, 86 AT BAWANA. 66KV BODELLA-II CKT-II TRIPPED ON DIST PROT ZONE-III `C` PHASE AT NAJAFGARH.
40	17.05.08	06.45	66/11KV 20MVA PR. TR. AT PAPPANKALAN-II	17.05.08	13.05	TR. TRIPPED ON 67, DIFFERENTIAL, LBB PROTECTION, PRV RELAY, 86.
41	18.05.08	01.07	400KV BAWANA – ABDULLAPUR CKT-I	18.05.08	01.25	CKT. TRIPPED ON MAIN--I DIST PROT ZONE-I BC PHASE, 85X1, MAIN-II DIST PROT ZONE-1 BC PHASE, 186A&B, BOTH CB AT BAWANA.
42	18.05.08	12.58	VARIOUS TRIPPINGS IN DELHI SYSTEM	18.05.08		DETAILED REPORT IS AVAILABLE AT AT SR. NO. 18 B
43	19.05.08	00.36	220KV WAZIRABAD – KASHMIRI GATE CKT-II	19.05.08	03.59	CKT. TRIPPED ON RXME18, `R&B` PH, REL511, GENERAL TRIP AT WAZIRABAD. NO TRIPPING AT KASHMIRIGATE.
44	21.05.08	00.15	220/66KV 100MVA PR. TR.-I AT NARELA	21.05.08	16.10	TR. TRIPPED ON 30A, BUCHZ.
45	21.05.08	01.16	VARIOUS TRIPPINGS IN DELHI SYSTEM	21.05.08		DETAILED REPORT IS AVAILABLE AT SR. NO. 18 C

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
46	22.05.08	10.25	220KV PRAGATI – SARITA VIHAR CKT-I	22.05.08	16.50	CKT. TRIPPED ON POLE DISCREPANCY AT SARITA VIHAR. NO TRIPPING AT PRAGATI S/STN.
47	24.05.08	18.51	220KV GEETA COLONY – PATPARGANJ CKT-II	24.05.08	22.12	CKT. TRIPPED ON DIST PROT ZONE-1, 'C' PH AT PATPARGANJ. CKT TRIPPED ON MAIN-I ON DIST PROT ZONE-I ABC PH, MAIN-II DIST PROT ZONE-1 ABC PH, 86. CKT. TRIED TO CHARGE AT 19.08HRS BUT AGAIN TRIPPED ON SAME INDICATIONS.
48	25.05.08	16.48	220KV PRAGATI – SARITA VIHAR CKT-I	25.05.08	19.15	CKT. TRIPPED ON 186A, 186B AT SARITA VIHAR AND ON 186, DIST PROT ZONE-1, B PHASE AT PRAGATI, 'Y' PHASE LA DAMAGED AT SARITA VIHAR.
49	26.05.08	10.04	220KV PRAGATI – IP CKT-II	26.05.08	12.58	CKT. TRIPPED ON 86T, 86D, DIST PROT ZONE-I 'A' PHAS AT PRAGATI AND ON 86A, 86B, 86T, DIST PROT ZONE-I AT IP STATION.
50	26.05.08	14.10	220KV PANIPAT – NARELA CKT-III	26.05.08	15.31	CKT. TRIPPED ON DIST PROT 'C' PHASE, 30B, 30G, 30H, 186 AT NARELA.
51	26.05.08	14.12	66/11KV 20MVA PR. TR.-I AT KANJHAWALA	26.05.08	14.50	TR. TRIPPED ON 86, 30G, OLTC.
52	27.05.08	14.45	220/33KV 100MVA PR. TR.-II AT LODHI ROAD	27.05.08	17.15	TR. TRIPPED ON TRANSFORMER TROUBLE RELAY, 30F, SUDDEN PRESSURE RELAY.
53	29.05.08	13.05	220KV BAMNAULI – PAPPANKALAN-II CKT-II	29.05.08	14.48	CKT. TRIPPED WITHOUT INDICATION AT PAPPANKALAN-II
54	29.05.08	13.05	220/66KV 100MVA PR. TR.-II AT PAPPANKALAN-II	29.05.08	13.45	TR. TRIPPED ON LBB RELAY, PRV ALONG WITH 66KV I/C-II WHICH TRIPPED WITHOUT INDICATION.
55	31.05.08	03.14	220KV BAWANA – NAJAFGARH CKT-II	31.05.08	16.43	CKT. TRIPPED ON DIST PROT 'C' PHASE ZONE-1, 21XR1, 21XR2, AUTO RECLOSE LOCK OUT AT BAWANA AND ON 186, DIST PROT ZONE-2, 'C' PHASE AT NAJAFGARH.

17.3 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH JUNE 2008

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	03.06.08	12.39	220KV BTPS – NOIDA – GAZIPUR CKT.	03.06.08	13.59	CKT. TRIPPED ON `C` PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR.
02	04.06.08	21.06	220KV BAMNAULI – NARAINA CKT-II	05.06.08	14.50	CKT.TRIPPED ON DIST PROT`B` PH AUTO RECLOSE LOCKOUT AT BAMNAULI. NO TRIPPING AT NARAINA. CKT. TRIED TO CLOSE AT 22.40HRS. BUT DID NOT HOLD AND TRIPPED ON AUTO RECLOSE LOCKOUT, 186A&B, SOFT.
03	04.06.08	21.25	220/66KV 100MVA PR. TR.-II AT NARELA	05.06.08	05.10	TR. TRIPPED ON PX, 86 ALONG WITH 66KV I/C-II WHICH TRIPPED ON INTER TRIPPING.
04	04.06.08	22.45	66/11KV 20MVA PR. TR.-I AT NARELA	05.06.08	01.01	TR. TRIPPED ON BUCHZ ALONG WITH 11KV I/C-I
05	04.06.08	23.30	66/11KV 20MVA PR. TR.-II AT NARELA	05.06.08	03.45	TR. TRIPPED ON `R&B` PHASE E/F ALONG WITH 11KV I/C-II WHICH TRIPPED ON O/C `R` PHASE.
06	06.06.08	09.12	220/66KV 100MVA PR. TR.-IV AT PAPPANKALAN-I	06.06.08	09.55	TR. TRIPPED ON 86, O/C, E/F, ALONG WITH 66KV I/C-III & IV WHICH TRIPPED ON E/F, 86 AND O/C, E/F RESPECTIVELY. 100MVA PR. TR.-IV CHARGED AT 09.55HRS. AND 66KV I/C-III & IV CHARGED AT 09.30HRS. AND 09.55HRS RESPECTIVELY.
07	06.06.08	14.56	220KV BTPS – MEHRAULI CKT-II	06.06.08	15.20	CKT. TRIPPED ON DIST PROT ZONE-I, 30C, 30G AT BTPS. NO TRIPPING AT MEHRAULI.
08	06.06.08	15.22	400/220KV 315MVA ICT-II AT BAWANA.	06.06.08	15.51	ICT-II TRIPPED ON 86A1, 30Q, 52, 53.
09	08.06.08	17.20	220KV MAHARANI BAGH – LODHI ROAD CKT.-II	08.06.08	17.36	CKT TRIPPED WITHOUT INDICATION AT MAHARANI BAGH AND LODHI ROAD.
10	09.06.08	20.13	220KV MANDOLA – BAWANA CKT-II	09.06.08	20.25	CKT. TRIPPED ON DIRECT TRIP AT MANDOLA. NO TRIPPING AT BAWANA.
11	09.06.08	20.13	220KV BAMNAULI – BAWANA CKT-I	09.06.08	23.29	CKT. TRIPPED ON FOLLOWING INDICAITONS AT BAMNAULI : CB-1852 : CARRIER LOCK OUT, 85LO, 195AC, 195BC, 195CC 295AC, 295BC, 295CC, AUTO RECLOSE LOCK OUT, 186A&B. CB-1752 : 195BC, 295BC, 130A, AUTO RECLOSE LOCK OUT 186A&B NO TRIPPING AT BAWANA.
12	10.06.08	02.05	220KV BAWANA – SHALIMAR BAGH CKT-I	10.06.08	21.16	CKT. TRIPPED ON DIST PROT `A` PHASE, 186A & 186B AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.
13	10.06.08	17.35	220KV BTPS – NOIDA – GAZIPUR CKT.	10.06.08	18.03	CKT. TRIPPED ON `B` PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR.
14	12.06.08	01.35	220KV BAMNAULI – PAPPANKALAN-I CKT-I	12.06.08	18.10	CKT. TRIPPED ON DIST PROT `C` PHASE, AUTO RECLOSE LOCK OUT AT BAMNAULI. NO TRIPPING AT PAPPANKALAN-I.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
15	12.06.08	01.33	220/66KV 100MVA PR. TR.-II AT PAPPANKALAN-II	12.06.08	02.27	TR. TRIPPED ON LBB PROTECTION RELAY.
16	12.06.08	08.12	220KV MANDOLA – WAZIRABAD CKT-I	12.06.08	08.50	CKT. TRIPPED ON RXME18, MAIN-I, MAIN-II RYB, REL511, DIST PROT `RYB` PHASE, ZONE-I AT WAZIRABAD-II AND ON DIST PROT `R` PHASE ZONE-II AT MANDOLA.
17	12.06.08	17.50	220KV BTPS – NOIDA – GAZIPUR CKT.	12.06.08	18.40	CKT. TRIPPED AT DIST PROT. `AB` PHASE, ZONE-III, 186ABC, 86 AT BTPS. NO TRIPPING AT GAZIPUR
18	13.06.08	11.57	220KV MAHARANI BAGH – LODHI ROAD CKT.-II	13.06.08	12.15	NO TRIPPING AT LODHI ROAD.
19	15.06.08	12.25	33/11KV 16MVA PR. TR.-II AT NARAINA	15.06.08	15.15	TR. TRIPPED ON OLTC BUCHZ.
20	15.06.08	14.55	220KV MAHARANI BAGH – PRAGATI CKT	15.06.08	16.25	CKT. TRIPPED ON O/C, E/F AT PRAGATI. NO TRIPPING AT MAHARANI BAGH.
21	15.06.08	19.11	220KV MANDOLA – WAZIRABAD CKT-III	15.06.08	19.35	CKT. TRIPPED ON DIST PROT `Y&B` PHASE, 86R, 86Y, 186A&B AT MANDOLA AND ON DIST PROT ZONE-I, THREE PHASE TRIP, RXME18, REL511 AT WAZIRABAD.
22	16.06.08	08.53	220/33KV 100MVA PR. TR.-I AT SHALIMAR BAGH	16.06.08	11.24	TR. TRIPPED ON 195CA.
23	16.06.08	10.12	220KV MAHARANI BAGH – LODHI ROAD CKT.-II	16.06.08	10.40	SUPPLY FAILED FROM MAHARANI BAGH. NO TRIPPING AT LODHI ROAD.
24	16.06.08	10.22	220KV BAMNAULI – NARAINA CKT-I	16.06.08	10.23	CKT. TRIPPED ON DIST PROT AT NARAINA.
25	16.06.08	10.55	220KV BAMNAULI – NARAINA CKT-I	16.06.08	10.56	CKT. TRIPPED ON DIST PROT
26	16.06.08	12.19	220KV BAMNAULI – NARAINA CKT-I	16.06.08	12.20	CKT. TRIPPED ON DIST PROT
27	18.06.08	05.59	33/11KV 20MVA PR. TR. AT KASHMIRI GATE	18.06.08	22.35	TR. TRIPPED ON O/C, E/F, 51R&B, 86 ALONG WITH 11KV I/C-I WHICH TRIPPED ON 51A, 51C, 64, 86
28	18.06.08	05.17	220KV BAMNAULI – PAPPANKALAN-II CKT- II	18.06.08	05.27	CKT. TRIPPED ON DIST PROT `A` PH, AUTO RECLOSE LOCKOUT, 186A&B AT BAMNAULI AND ON MASTER TRIP, DIST PROT ZONE-I ABC PH. AT PAPPANKALAN-II
29	18.06.08	05.55	220KV BAMNAULI – NAJAFGARH CKT-I	18.06.08	09.20	CKT. TRIPPED ON 186, O/C, `R` PHASE AT NAJAFGARH. NO TRIPPING AT BAMNAULI.
30	19.06.08	06.08	220KV MANDOLA – NARELA CKT-I	19.06.08	06.28	CKT. TRIPPED ON 186A, 186B, CB AUTO TRIP, BACK UP PROTECTION AT MANDOLA. NO TRIPPING AT NARELA.
31	19.06.08	06.56	220KV MANDOLA – NARELA CKT-I	19.06.08	07.39	CKT. TRIPPED ON 186A, 186B, CB AUTO TRIP, BACKUP PROT., 85LO AT MANDOLA. NO TRIPPING AT NARELA.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
32	19.06.08	11.58	220KV MEHRAULI – VASANT KUNJ CKT-II	19.06.08	12.05	CKT. TRIPPED ON 186A, 186B, DIST PROT ZONE-I `C` PHASE AT MEHRAULI. NO TRIPPING AT VASANT KUNJ.
33	19.06.08	15.02	220/66KV 100MVA PR. TR.-II AT MEHRAULI	19.06.08	17.30	TR. TRIPPED ON 86, OLTC ALONG WITH 66KV I/C-II WHICH TRIPPED WITHOUT INDICATION.
34	21.06.08	05.38	220KV MANDOLA – WAZIRABAD CKT-II	21.06.08	05.47	CKT. TRIPPED ON MAIN-I & II DIST PROT ALL PHASE AT WAZIRABAD AND DIST PROT ZONE-I, `R` PHASE, 86RYB, 186A&B AT MANDOLA.
35	21.06.08	21.38	220/66KV 100MVA PR. TR-I AT WAZIRABAD	21.06.08	21.55	TR. TRIPPED ON E/F, 51NX, 86.
36	22.06.08	15.30	220KV WAZIRABAD – KASHMIRI GATE CKT- II	22.06.08	17.40	CKT. TRIPPED ON REL511, RXME18, DIST PROT, RYB PH. AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE.
37	23.06.08	18.45	220KV MANDOLA – GOPALPUR CKT-I	23.06.08	19.09	CKT. TRIPPED ON DIST PROT ZONE-II `RY` PH., 186A&B, 86RYB AT MANDOLA AND ON DIST PROT ZONE-I `R` PHASE AT GOPALPUR.
38	24.06.08	05.54	220KV PATPARGANJ – IP CKT-I	24.06.08	06.30	CKT. TRIPPED ON 86 AT IP END ALONG WITH 220/33KV 100MVA PR. TR.-I WHICH TRIPPED ON 86. 220KV BUS COUPLER AT IP ALSO TRIPPED ON DIRECTIONAL O/C AND E/F. CKT. CHARGED AT 06.30HRS. AND 100MVA PR. TR.-I CHARGED AT 06.32HRS.
39	24.06.08	07.28	220KV WAZIRABAD – KASHMIRI GATE CKT- II	24.06.08	07.39	CKT. TRIPPED ON RXME18, DIST PROT `RYB` PHASE, REL511 AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE.
40	24.06.08	11.45	33/11KV 16MVA PR. TR.-I AT NARAINA	24.06.08	12.00	TR. TRIPPED ON DIFFERENTIAL `R&Y` PHASE, MASTER RELAY ALONG WITH 11KV I/C-I WHICH TRIPPED ON 86.
41	25.06.08	15.42	220KV MAHARANI BAGH – LODHI ROAD CKT-II	25.06.08	16.12	CKT. TRIPPED ON PT FUSE FAIL INDICATION AT MAHARANI BAGH. NO TRIPPING AT LODHI ROAD.
42	26.06.08	12.35	33KV I/C AT NARELA	26.06.08	12.45	33KV I/C TRIPPED ON E/F.
43	26.06.08	19.15	220KV PANIPAT – NARELA CKT-I	26.06.08	19.25	CKT. TRIPPED ON DIST PROT ZONE-I, 186A, 186B AT NARELA.
44	27.06.08	09.32	220/33KV 100MVA PR. TR.-I AT GEETA COLONY	27.06.08	11.20	TR. TRIPPED ON 86, 30E, 30G, 30B ALONG WITH 33KV I/C-I WHICH TRIPPED ON
45	27.06.08	18.24	220KV GEETA COLONY – PATPARGANJ CKT-II	27.06.08	18.41	CKT. TRIPPED ON MAIN-I DIST. PROT. ZONE-I ABC PHASE, 27RYB, 86, 30E AT GEETA COLONY AND ON DIST PROT ZONE-I ABC PHASE AT PATPARGANJ
46	27.06.08	19.32	220KV GEETA COLONY – PATPARGANJ CKT-II	27.06.08	21.38	CKT. TRIPPED ON MAIN-I DIST. PROT. ZONE-I, ABC PHASE, O/C, 86, 30E, 27RYB, MAIN-II CN PHASE, TRIP PHASE ABC AT GEETA COLONY AND ON DIST PROT ZONE-I, 85X2, 186 AT PATPARGANJ.
47	28.06.08	18.31	220/66KV 100MVA PR. TR.-I AT PRAGATI	28.06.08	22.00	TR. TRIPPED ON 86, 30E.
48	28.06.08	16.30	33/11KV 20MVA PR. TR.-I AT LODHI ROAD	28.06.08	18.58	TR. DUE TO BREAK-DOWN OF 11KV ½ BUS BAR OF 20MVA PR. TR.-I

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
49	29.06.08	13.45	220/66KV 100MVA PR. TR.-II AT GAZIPUR	29.06.08	17.10	66KV I/C-II OF 100MVA PR. TR. TRIPPED ON E/F, 51N, 86 & 'Y' PHASE POLE DISCREPANCY TRIP.
50	29.06.08	13.57	220KV BTPS – OKHLA CKT-II	29.06.08	14.08	CKT. TRIPPED ON 'C' PHASE E/F AT BTPS. NO TRIPPING AT OKHLA.
51	29.06.08	14.27	220KV MANDOLA – WAZIRABAD CKT-I	29.06.08	14.52	CKT. TRIPPED ON AUTO RECLOSE LOCK OUT, 186A, 186B, 86R, 86Y, 86B AT MANDOLA AND ON RXME-18, 'RYB' PHASE AT WAZIRABAD.
52	29.06.08	18.29	220KV GEETA COLONY – PATPARGANJ CKT-I	29.06.08	18.47	CKT. TRIPPED ON DIST PROT ZONE-I, ABC PHASE, 27RYB, 30E, 86

17.4 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH JULY - 2008

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.07.08	01.27	220KV BAMNAULI – NAJAFGARH CKT-II	01.07.08	20.27	CKT. TRIPPED ON DIST PROT `C` PHASE ZONE-I, AUTO RECLOSE LOCK OUT, 186A&B AT BAMNAULI AND ON DIST PROT `C` PH, 186, 186 AT NAJAFGARH. CKT. TRIED AT 01.48HRS. BUT COULD NOT HOLD AND AGAIN TRIPPED ON DIST PROT, SOFT, AUTO RECLOSE LOCK OUT, 186A&B
02	01.07.08	01.48	400/220KV 315MVA ICT-III AT BAMNAULI	01.07.08	16.27	TR. TRIPPED ON 30A, 30U, 86-1 TRIP RELAY GROUP-A, AUTO RECLOSE LOCK OUT, 186A&B ALONG WITH ITS 220KV I/C WHICH TRIPPED ON INTER TRIPPING.
03	01.07.08	01.48	220KV BAMNAULI – NAJAFGARH CKT-I	01.07.08	02.00	CKT. TRIPPED ON DIST PROT `C` PHASE, 186 AT NAJAFGARH.
04	01.07.08	12.45	220KV BAMNAULI – NARAINA CKT-II	01.07.08	13.02	CKT. TRIPPED ON DIST PROT `B` PHASE, CB AUTO TRIP AT BAMNAULI AND ON DIST PROT ABC PHASE, ZONE-I AT NARAINA.
05	01.07.08	19.28	220KV WAZIRABAD – GEETA COLONY CKT-II	01.07.08	19.43	CKT. TRIPPED ON MAIN-I - ACTIVE GROUP-1, DIST PROT `ABC` PH, ZONE-I, 27RYB, 86, MAIN-II : DIST PROT `AB` PH, ZONE-I, 72X AT GEETA COLONY AND ON REL511, DIST PROT `ABC` PHASE, ZONE-I, RXME18 AT WAZIRABAD.
06	01.07.08	19.15	220/66KV 100MVA PR. TR.-II & IV AT NAJAFGARH	01.07.08	20.45	220/66KV 100MVA PR. TR-II TRIPPED ON 87T, 186 MASTER RELAY ALONG WITH 66KV I/C-II WHICH TRIPPED WITHOUT INDICATION. 100MVA PR. TR.-IV TRIPPED ON 295CB, 87T, 86 ALONG WITH 66KV I/C-IV WHICH TRIPPED ON 95C. 100MVA PR. TR.-III & IV CHARGED AT 20.40HRS. WHILE 66KV I/C-II & IV CHARGED AT 20.45HRS.
07	01.07.08	19.15	66/11KV 20MVA PR. TR.-I AT NAJAFGARH	01.07.08	19.15	TR. TRIPPED ON DIFFERENTIAL, 86
08	02.07.08	20.14	66/11KV 20MVA PR. TR.-I AT NAJAFGARH	01.07.08	23.50	TR. TRIPPED ON 64RHV, 86 ALONG WITH 11KV I/C-I WHICH TRIPPED ON INTERTRIPPING.
09	03.07.08	18.00	220/33KV 100MVA PR.TR.-IV AT OKHLA	03.07.08	19.365	TR. TRIPPED ON 86, E/F, DIFFERENTIAL R&B PHASE ALONG WITH 33KV I/C-IV WHICH TRIPPED ON 86.
10	04.07.08	17.30	220/66KV 100MVA PR. TR.-IV A NAJAFGARH	04.07.08	17.40	TR. TRIPPED ON 86, 86, 295BC, 30A, TRANSFORMER TROUBLE TRIP ALONG WITH 66KV I/C-IV WHICH TRIPPED ON INTER TRIPPING.
11	04.07.08	19.15	220/66KV 100MVA PR. TR.-I AT NARELA	04.07.08	19.50	TR. TRIPPED WITHOUT INDICATION ALONG WITH 66KV I/C-I WHICH TRIPPED ON INTERTRIPPING.
12	05.07.08	15.52	220KV MANDOLA - GOPALPUR CKT.-II	05.07.08	16.50	CKT. TRIPPED ON DIST. PROT `YB` PHASE ZONE-I, 86RYB, 186A, 186B AT MANDOLA. NO TRIPPING AT GOPALPUR.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
13	06.07.08	20.45	220KV MANDOLA – BAWANA CKT-II	06.07.08	21.18	CKT. TRIPPED ON MAIN-I & II : ANZ-I AT BAWANA AND ON CB-I & II AUTO TRIP, MAIN-I CARRIER SIGNAL RECEIVED, DIST PROT `R` PHASE ZONE-I AT MANDOLA.
14	08.07.08	07.29	220KV PANIPAT – NARELA CKT-I, II & III	08.07.08	12.07	CKTS TRIPPED AT PANIPAT END. DETAILS ARE NOT AVAILABLE. NO TRIPPING AT NARELA END.
15	08.07.08	12.05	220KV BTPS – OKHLA CKT.	08.07.08	12.17	CKT TRIPPED ON E/F `C` PHASE AT BTPS AND NO TRIPPING AT OKHLA.
16	08.07.08	17.40	220/33KV 100MVA PR. TR.-III AT LODHI ROAD	08.07.08	17.58	TR. TRIPPED ON BUCHZ, TR. TROUBLE ALARM, LBB PROTECTION, AUTO RECLOSE LOCK OUT ALONG WITH 33KV I/C-II WHICH TRIPPED WITHOUT INDICATION.
17	09.07.08	10.45	220/66KV 100MVA PR. TR.-II AT MEHRAULI	09.07.08	14.45	TR. TRIPPED ON SUDDEN PRESSURE RELAY ALONG WITH 66KV I/C-II WHICH TRIPPED WITHOUT INDICATION.
18	09.07.08	11.39	220/33KV 50MVA PR. TR.-II AT PATPARGANJ	09.07.08	20.05	TR. TRIPPED ON REF, 86
19	09.07.08	11.45	220/33KV 100MVA PR. TR.-II AT PARK STREET	09.07.08	15.15	TR. TRIPPED ON 87TB, 87TC, DIFFERENTIAL, REF 64RYB.
20	10.07.08	19.53	220/33KV 100MVA PR. TR.-I AT GEETA COLONY	10.07.08	22.40	TR. TRIPPED ON 30J, 30G, 86, 30E ALONG WITH 33KV I/C-I WHICH TRIPPED ON 30E.
21	13.07.08	11.59	220KV PANIPAT – NARELA CKT-II	13.07.08	22.36	CKT. TRIPPED ON DIST PROT `B` PHASE ZONE-II, 186, 186., 30G, 30H, 85H2, 85YY AT NARELA. `Y` PHASE LA BLAST AT PANIPAT END.
22	14.07.08	16.15	220KV PANIPAT – NARELA CKT-II	14.07.08	16.52	CKT. TRIPPED ON DIST PROT `C` PHASE ZONE-I, 186, 186, 30G, 85X2, 85YY AT NARELA.
23	14.07.08	17.43	220KV MAHARANI BAGH – SARITA VIHAR CKT	14.07.08	18.04	CKT. TRIPPED ON DIST PROT `A` PHASE, ZONE-I, 186A, 186B AT SARITA VIHAR AND ON DIST PROT `R` PHASE AT MAHARANI BAGH.
24	15.07.08	02.50	220/66KV 100MVA PR. TR.-II AT GAZIPUR	16.07.08	16.30	TR. TRIPPED ON SUDDEN PRESSURE RELAY ALONG WITH 66KV I/C-II WHICH TRIPPED WITHOUT INDICATION.
25	15.07.08	06.07	220KV MAHARANI BAGH – LODHI ROAD CKT-II	15.07.08	18.43	CKT. TRIPPED ON DIST PROT ZONE-I AT MAHARANI BAGH. NO TRIPPING AT LODHI ROAD.
26	15.07.08	12.35	220KV BTPS – MEHRAULI CKT-I	15.07.08	13.08	CKT. TRIPPED ON DIST PROT `C` PHASE ZONE-I AT MEHRAULI AND ON 30CA 30C, 30G, 186 AT BTPS.
27	15.07.08	14.30	220KV BTPS – NOIDA – GAZIPUR CKT.	15.07.08	15.40	CKT. TRIPPED WITHOUT INDICATION.
28	16.07.08	12.50	220KV BTPS – MEHRAULI CKT-I	16.07.08	18.35	CKT. TRIPPED ON 30CA, 30C, 30G, 186 AT BTPS AND ON DIST PROT `C` PHASE ZONE-I, 186 AT MEHRAULI
29	16.07.08	19.16	220KV PANIPAT – NARELA CKT-I	16.07.08	19.25	CKT. TRIPPED ON DIST. PROT `B` PHASE, 30G, 30C, 85X2 AT NARELA.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
30	18.07.08	14.26	220KV BTPS – GAZIPUR CKT.	18.07.08	14.49	CKT. TRIPPED ON 'B' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR
31	19.07.08	15.20	220/66KV 100MV APR. TR.-II AT SARITA VIHAR	19.07.08	15.35	TR. TRIPPED ON 96 BUS BAR PROT. RELAY. DURING THE TIME OF INCIDENT, AUTO RECLOSE RELAY OPERATED AT SARITA VIHAR ON 220KV MAHARANI BAGH CKT AND ON 220KV PRAGATI CKT
32	21.07.08	18.08	220KV BAMNAULI – NARAINA CKT-II	21.07.08	18.21	CKT. TRIPPED ON DIST PROT 'RY' PHASE, AUTO RECLOSE LOCK OUT 186A&B.
33	21.07.08	22.00	220/33KV 100MVA PR. TR.-I AT GEETA COLONY	21.07.08	23.12	TR. TRIPPED ON 86, 30G, BUCHZ, 30J, 30E, TR. TROUBLE ALONG WITH 33KV I/C-I WHICH TRIPPED ON 30 AUTO TRIP.
34	23.07.08	07.04	220/33KV 50MVA PR. TR.-I & II AND 220/33KV 100MVA PR. TR.-III & IV AT OKHLA	23.07.08	07.35	THE FOLLOWING TRIPPINGS OPERATED : 220/33KV 50MVA PR. TR.-I : 95C, 51CX, 86 33KV I/C-I : 86, 95 220/33KV 50MVA PR. TR.-II : 86, 86, 51CX, 33KV I/C-II : O/C 220/33KV 100MVA PR. TR.-III : E/F 33KV I/C-III : 86 220/33KV 100MVA PR. TR.-IV : 86, 86, INSTANTENOUS E/F 33KV I/C-IV : 86LV JUMPER OF 33KV O/G OKHLA PHASE CKT-I DAMAGED. 50MVA PR. TR.-I & II CHARGED AT 07.20HRS AND 100MVA PR. TR.-III & IV CHARGED AT 07.35HRS.
35	23.07.08	21.05	66/11KV 20MVA PR. TR.-III AT NAJAFGARH	24.07.08	01.40	TR. TRIPPED ON 51A, 51, 86 ALONG WITH 11KV I/C-III WHICH TRIPPED ON O/C R&B PHASE.
36	25.07.08	11.32	220KV BTPS – NOIDA – GAZIPUR CKT.	25.07.08	16.45	CKT. TRIPPED ON 'B' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR
37	27.07.08	08.55	220KV MANDOLA – WAZIRABAD CKT-IV	27.07.08	11.10	CKT. TRIPPED ON
38	27.07.08	08.25	400/220KV 315MVA ICT-IV AT BAMNAULI	27.07.08	13.30	TR. TRIPPED ON 30W, OIL LEVEL ALARM, AUXILIARY BUCHZ, OIL TEMP HIGH, LO AL, 30UVV.
39	28.07.08	11.45	220KV BTPS – NOIDA – GAZIPUR CKT.	28.07.08	13.05	CKT. TRIPPED ON 85N, 86A, 186A, 186B AT BTPS. NO TRIPPING AT GAZIPUR.
40	28.07.08	16.20	VARIOUS TRIPPINGS IN DELHI SYSTEM	28.07.08		DETAILED REPORT IS AVAILABLE AT SR. NO.18 'D'
41	28.07.08	18.55	220/66KV 100MVA PR. TR.-I AT ROHINI	28.07.08	19.20	100MVA PR. TR.-I TRIPPED ON O/C, 86 ALONG WITH 66KV I/C-I, II, III & IV. ALL 66KV I/CS TRIPPED ON O/C, 86. 66KV I/C-I, I, III & IV CHARGED AT 19.20HRS, 19.10HRS, 19.12HRS AND 19.12HRS RESPECTIVELY.
42	29.07.08	13.55	66/11KV 20MVA PR. TR.-I AT KANJHAWALA	29.07.08	16.00	TR. TRIPPED ON REFHVLB, PROT, RLB86 ALONG WITH 11KV I/C-I WHICH TRIPPED ON HIGH SPEED RELAY.
43	30.07.08	10.23	220KV BTPS – NOIDA – GAZIPUR CKT.	30.07.08	11.05	CKT. TRIPPED ON 'B' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
44	31.07.08	11.50	220/33KV 100MVA PR. TR.-II AT IP STN.	31.07.08	12.12	TR. TRIPPED ON
45	31.07.08	13.30	220KV MANDOLA - WAZIRABAD CKT.-I & III	31.07.08	14.08	CKT-I TRIPPED ON AT DIST PROT `RYB` PHASE ZONE-I AND CKT-III TRIPPED ON DIST PROT `YB` PHASE ZONE-I AT WAZIRABAD.
46	31.07.08	18.31	220KV GEETA COLONY - PATPARGANJ CKT-II	31.07.08	18.52	CKT. TRIPPED ON DIST PROT `ABC` PHASE ZONE-I AT PATPARGANJ AND ON ACTIVE GROUP-I, DIST PROT `ABC` PHASE ZONE-I, O/C AT GEETA COLONY.
49	31.07.08	18.31	220KV PATPARGANJ - IP CKT-I	31.07.08	18.55	CKT. TRIPPED ON DIST PROT `RYB` PHASE ZONE-I, MASTER RELAY AT IP.

17.5 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH AUGUST - 2008

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.08.08	18.01	220KV NARELA – ROHTAK ROAD CKT-II	01.08.08	18.24	CKT. TRIPPED ON DIST PROT `ABC` PHASE ZONE-I AT NARELA AND ON 30C, DIST PROT ZONE-I, 86 AT ROHTAK ROAD.
02	02.08.08	15.25	220/33KV 50MVA PR. TR.-II AT PARGARGANJ	24.09.08	16.30	TR. TRIPPED ON 86, DIFFERENTIAL, BUCH TRIP, BUCH ALARM, 49F. TR. IS STILL UNDER BREAK-DOWN.
03	03.08.08	09.18	220KV GOPALPUR – SUBZI MANDI CKT-I	03.08.08	09.48	CKT. TRIPPED ON DIST PROT ZONE-I `Y&B` PHASE AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
04	05.08.08	07.45	220KV PANIPAT – NARELA CKT-II	05.08.08	08.47	CKT. TRIPPED ON DIST PROT `C` PHASE ZONE-I, 30G, 186A, 186B AT NARELA.
05	05.08.08	12.40	220KV BTPS – NOIDA – GAZIPUR CKT.	05.08.08	13.17	CKT. TRIPPED ON 186A, 186B, 86B, DIST PROT BAN AT BTPS. NO TRIPPING AT GAZIPUR
06	05.08.08	12.55	220KV BTPS – MEHRAULI CKT.-I	05.08.08	13.17	CKT. TRIPPED ON DIST PROT `C` PHASE ZONE-I, 186, 186, ACTIVE GROUP-I AT MEHRAULI AND ON 30G, 30C, 86, 86II, 186 AT BTPS.
07	06.08.08	17.55	220KV PANIPAT – NARELA CKT-I	06.08.08	18.15	CKT. TRIPPED ON 30G, 30A, ANZ-I AT NARELA.
08	07.08.08	14.55	220KV MAHARAN BAGH – SARITA VIHAR CKT.	07.08.08	15.08	CKT. TRIPPED ON DIST PROT. `AB` PHASE, ZONE-I, AUTO RECLOSE LOCK OUT, 186A, 186 AT SARITA VIHAR AND ON DIST PROT `B` PHASE AT MAHARANI BAGH.
09	07.08.08	15.10	220KV IP EXT – SARITA VIHAR CKT	07.08.08	15.17	CKT. TRIPPED ON DIST PROT `ABC` PHASE, ZONE-I AT IP EXT AND ON DIST PROT `A` PHASE ZONE-I, AUTO RECLOSE LOCK OUT, 186A, 186B AT SARITA VIHAR.
10	07.08.08	15.20	220KV IP EXT – SARITA VIHAR CKT	07.08.08	15.45	CKT. TRIPPED ON DIST PROT `ABC` PHASE, ZONE-I AT IP EXT AND ON DIST PROT `A` PHASE ZONE-I, AUTO RECLOSE LOCK OUT, 186A, 186B AT SARITA VIHAR.
11	07.08.08	20.44	220KV BAMNAULI – NAJAFGARH CKT-II	07.08.08	21.55	CKT. TRIPPED ON DIST PROT `A` PHASE ZONE-I, AUTO RECLOSE LOCK OUT, 186A, 186B AT BAMNAULI AND ON DIST PROT `A` PHASE, 86, 186, 186 AT NAJAFGARH.
12	07.08.08	20.44	400/220KV 315MVA ICT-II AT BAMNAULI	07.08.08	23.20	ICT TRIPPED ON 86B-I, AUTO RECLOSE LOCK OUT, 186A&B ALONG WITH 220KV I/C-II WHICH TRIPPED ON INTER TRIPPING.
13	08.08.08	08.30	33/11KV 20MVA PR. TR.-I & II AT IP STN	08.08.08		33/11KV 20MVA PR. TR.-I & II TRIPPED ON DIFFERENTIAL, E/F,
14	08.08.08	14.00	220KV PRAGATI – PARK STREET CKT-II	08.08.08	14.45	CKT. TRIPPED ON 96, 96, BUS BAR PROTECTION AT PRATATI.
15	08.08.08	14.01	220KV PRAGATI – IP CKT-I	08.08.08	14.28	CKT. TRIPPED ON 96E AT PRAGATI.
16	08.08.08	14.38	220KV MANDOLA – GOPALPUR CKT-I	08.08.08	14.50	CKT. TRIPPED ON DIRECT TRIP SIGNAL, BACK UP PROTECTION AT MANDOLA. NO TRIPPING AT GOPALPUR
17	09.08.08	07.12	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	09.08.08	10.31	TR. TRIPPED ON BUCHZ AND 86 ALONG WITH 11KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
18	09.08.08	11.20	220KV NARELA – ROHTAK ROAD CKT-I & II	09.08.08	12.25	220KV ROHTAK ROAD CKT.-II TRIPPED ON DIST PROT `ABC` PHASE ZONE-I, 186 AT NARELA. NO INDICATION OBSERVED ON 220KV ROHTAK ROAD CKT-I

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
19	09.08.08	11.41	220KV BTPS – NOIDA – GAZIPUR CKT	09.08.08	12.15	CKT. TRIPPED ON E/F AT BTPS END.
20	09.08.08	11.45	220KV MAHARANI BAGH – SARITA VIHAR CKT.	09.08.08	11.56	CKT. TRIPPED ON L-E FAULT, ZONE C AT MAHARANI BAGH. NO TRIPPING AT SARITA VIHAR.
21	09.08.08	13.25	220KV MANDOLA – GOPALPUR CKT-I	09.08.08	13.32	CKT. TRIPPED ON MAIN-I 'RYB' PHASE AT GOPALPUR.
22	09.08.08	13.38	220KV BTPS – NOIDA – GAZIPUR CKT	09.08.08	18.04	CKT. TRIPPED ON E/F, MASTER RELAY, 86 AT BTPS END.
23	09.08.08	13.34	220KV MANDOLA – GOPALPUR CKT.	09.08.08	15.12	CKT. TRIPPED ON GENERAL TRIPPING RYB PHASE AT GOPALPUR.
24	09.08.08	21.05	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	09.08.08	23.30	TR. TRIPPED ON BUCHZ, 30, 86 ALONG WITH 11KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
25	11.08.08	12.20	220/33KV 100MVA PR. TR.-I AT PARK STREET	11.08.08	12.40	TR. TRIPPED ON 86 ALONG WITH 33KV I/C-I WHICH TRIPPED ON E/F, 86.
26	11.08.08	19.07	220KV BTPS – NOIDA – GAZIPUR CKT	11.08.08	19.30	CKT. TRIPPED ON C-A, 186X1 AT BTPS. NO TRIPPING AT GAZIPUR.
27	11.08.08	19.28	220KV WAZIRABAD – GEETA COLONY CKT-I	11.08.08	19.35	CKT. TRIPPED ON RXME-18, DIST PROT 'RYB' PHASE, ZONE-I, REL511 AT WAZIRABAD AND ON MAIN-I ACTIVE GROUP-I, DIST PROT 'ABC' PHASE ZONE-I, MAIN-II, DIST PROT 'ABC' PHASE, 86, 30B AT GEETA COLONY.
28	12.08.08	07.00	220/33KV 100MVA PR. TR.-I & IV, 50MVA PR. TR-III AT PATPARGANJ	12.08.08	07.20	THE TRANSFORMERS TRIPPED ON FOLLOWING INDICATIONS :- 220/33KV 100MVA PR. TR.-I : O/C, 'B' PHASE, 86, 86 220/33KV 100MVA PR. TR.-IV: E/F, 86 220/33KV 50MVA PR. TR.-III : BUCHZ, 186, DIFFRENTIAL. 100MVA PR. TR.-I & IV CHARGED AT 07.20HRS. 50MVA PR. TR.-III IS STILL OUT.
29	12.08.08	13.59	220KV MAHARANI BAGH – LODHI ROAD CKT.-I	12.08.08	19.13	CKT. TRIPPED ON DIST PROT ZONE-I AT MAHARANI BAGH. NO TRIPPING AT LODHI ROAD
30	13.08.08	05.45	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	13.08.08	10.30	TR. TRIPPED ON BUCHZ, 30ABCDE, AUX GHIJKL, 86
31	13.08.08	16.35	220KV BTPS – MEHRAULI CKT-II	13.08.08	16.55	CKT. TRIPPED ON 30BC. NO TRIPPING AT MEHRAULI.
32	13.08.08	16.46	220KV WAZIRABAD – KASHMIRI GATE CKT-I	13.08.08	17.12	CKT. TRIPPED ON RXME-18, DIST PROT 'RYB' PHASE AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE
33	13.08.08	18.18	220KV BTPS – OKHLA CKT-II	13.08.08	18.33	CKT. TRIPPED ON 30AB AT BTPS. NO TRIPPING AT OKHLA.
34	14.08.08	04.05	220KV WAZIRABAD – KASHMIRI GATE CKT-II	14.08.08	07.02	CKT. TRIPPED ON DIST PROT 'ABC' PHASE, AUTO RECLOSE LOCK OUT AT KASHMIRI GATE.
35	15.08.08	08.50	220KV GOPALPUR – SUBZI MANDI CKT-II	15.08.08	15.23	CKT. TRIPPED ON MAIN-I MAIN-II 'RYB' PHASE AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
36	15.08.08	08.55	220KV WAZIRABAD – GEETA COLONY CKT-I	15.08.08	09.05	CKT. TRIPPED ON DIST PROT 'RYB' PHASE ZONE-II AT WAZIRABAD. NO TRIPPING AT GEETA COLONY
37	15.08.08	09.50	220KV MANDOLA – GOPALPUR CKT-I	15.08.08	09.59	CKT. TRIPPED ON DIST PROT 'RY' PHASE, ZONE-I, 186AB AT MANDOLA. NO TRIPPING AT GOPALPUR
38	15.08.08	10.18	220KV GEETA COLONY – PATPARGANJ CKT-I	15.08.08	10.21	CKT. TRIPPED ON O/C, DIST PROT ZONE-I AT GEETA COLONY.
39	15.08.08	10.45	220KV NARELA – ROHTAK ROAD CKT-I	15.08.08	11.01	CKT. TRIPPED ON DIST PROT ABC PHASE ZONE-I, 195AC, 195CC, 82X2 AT NARELA.
40	15.08.08	11.18	220KV PATPARGANJ – IP CKT-I	15.08.08	15.43	CKT. TRIPPED ON DIST PROT ZONE-I, 186 AT IP.
41	15.08.08	11.37	220KV BTPS – NOIDA – GAZIPUR CKT.	15.08.08	11.53	CKT. TRIPPED ON PHASE TO PHASE AB AT BTPS

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
42	15.08.08	12.00	220KV NARELA – ROHTAK ROAD CKT-II	15.08.08	12.02	CKT. TRIPPED ON DIST PROT ABC PHASE ZONE-I AT NARELA.
43	15.08.08	12.48	220KV MANDOLA – WAZIRABAD-I CKT.	15.08.08	13.01	CKT. TRIPPED ON RXME18, DIST PROT 'RYB' PHASE AT WAZIRABAD.
44	15.08.08	12.48	220/66KV 100MVA PR. TR.-III AT WAZIRABAD	15.08.08	12.57	TR. TRIPPED ON E/F, 50N, 51N ALONG WITH 66KV I/C-III WHICH TRIPPED ON 86
45	15.08.08	12.48	220/66KV 100MVA PR. TR.-I AT WAZIRABAD	15.08.08	15.44	TR. TRIPPED ON E/F
46	15.08.08	13.10	220KV MEHRAULI – VASANT KUNJ CKT-II	15.08.08	13.37	CKT. TRIPPED ON 186 AT MEHRAULI. NO TRIPPING AT VASANT KUNJ.
47	15.08.08	12.45	220KV BAWANA – SHALIMAR BAGH CKT-II	15.08.08	13.22	CKT. TRIPPED ON DIST PROT 'BC' PHASE ZONE-II, 186, 186 AT BAWANA. NO TRIPPING AT SHALIMAR BAGH
48	15.08.08	12.45	400/220KV 315MVA ICT-III AT BAWANA	15.08.08	13.20	315MVA ICT-III TRIPPED ON 86B1, 85B1, TRIP SUPERVISOR ELAY, 186B, O/C ALONG WITH 220KV I/C-III WHICH TRIPPED ON INTER TRIPPING.
49	15.08.08	13.48	220KV MEHRAULI – VASANT KUNJ CKT-I	15.08.08	13.48	CKT. TRIPPED ON 186, DIST PROT 'B' PHASE ZONE-I AT MEHRAULI.
50	15.08.08	13.45	220KV BAWANA – SHALIMAR BAGH CKT-II	15.08.08	13.22	CKT. TRIPPED ON DIST PROT 'BC' PHASE ZONE-II, 186, 186 AT BAWANA. NO TRIPPING AT SHALIMAR BAGH
51	15.08.08	13.45	400/220KV 315MVA ICT-III AT BAWANA	15.08.08	13.20	315MVA ICT-III TRIPPED ON 86B1, 85B1, TRIP SUPERVISOR ELAY, 186B, O/C ALONG WITH 220KV I/C-III WHICH TRIPPED ON INTER TRIPPING.
52	15.08.08	13.54	220KV NARELA – ROHTAK ROAD CKT-II	15.08.08	14.20	CKT. TRIPPED ON DIST PROT. 'ABC' PHASE ZONE-I, 195 AT NARELA.
53	15.08.08	16.04	220KV NARELA – ROHTAK ROAD CKT-II	15.08.08	16.12	CKT. TRIPPED ON DIST PROT. 'ABC' PHASE ZONE-I, 195 AT NARELA.
54	15.08.08	17.48	220KV BTPS – OKHLA CKT-I	15.08.08	18.04	CKT. TRIPPED ON 86I, 86II, 30BC, 30CA AT BTPS. NO TRIPPING AT OKHL
55	15.08.08	17.48	220KV BTPS – NOIDA – GAZIPUR CKT.	15.08.08	18.25	CKT. TRIPPED ON 86, 186A, 186B, 86A, 86B AT BTPS.
56	15.08.08	18.10	220KV IP – PRAGATI CKT-II	15.08.08	22.05	CKT. TRIPPED ON DIST PROT ABC PHASE ZONE-I AT PRAGATI AND ON DIST PROT ZONE-I, 86A, 86C, 86T, AT IP.
57	15.08.08	18.28	220KV BAWANA – ROHINI CKT-I	15.08.08	18.36	CKT. TRIPPED ON DIST PROT 'AB' PHASE ZONE-II, AUTO RECLOSE LOCK OUT, 186A, 186B AT BAWANA. NO TRIPPING AT ROHINI
58	15.08.08	18.38	220KV GOPALPUR – SUBZI MANDI CKT-I	15.08.08	24.00	CKT. TRIPPED ON DIST PROT 'YB' PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
59	15.08.08	18.59	220KV NARELA – ROHTAK ROAD CKT-II	15.08.08	19.10	CKT. TRIPPED ON DIST. PROT 'ABC' PHASE, ZONE-I AT NARELA.
60	15.08.08	19.10	220KV BAMNAULI – NARAINA CKT-I	15.08.08	19.30	CKT. TRIPPED ON DIST PROT 'AB' PHASE, AUTO RECLOSE LOCK OUT, 186A, 186B AT BAMNAULI.
61	16.08.08	10.27	220KV BAMNAULI – MEHRAULI CKT-II	16.08.08	10.35	CKT. TRIPPED ON DIST PROT 'C' PHASE ZONE-I AT MEHRAULI AND ON DIST PROT 'C' PHASE ZONE-I AT BAMNAULI.
62	16.08.08	15.28	220KV WAZIRABAD – GEETA COLONY CKT-I	16.08.08	15.34	CKT. TRIPPED ON RXME-18, DIST PROT 'RYB' PHASE ZONE-I AT WAZIRABAD AND ON ACTIVE GROUP-I, DIST PROT 'ABC' PHASE ZONE-I AT GEETA COLONY.
63	16.08.08	15.28	220/33KV 100MV APR. TR.-II AT GEETA COLONY	16.08.08	17.09	TR. TRIPPED ON 86, 30E, AUTO TRIP.
64	17.08.08	12.35	400/220KV 315MVA ICT-IV AT BAWANA	21.08.08	16.52	ICT-IV TRIPPED ON 866 GROUP, 30A, BUCHZ, 2452X, 186A, 186B, AUTO RECLOSE LOCK OUT, TE CB AUTO LOCK OUT, TR. BUCHZ, OIL TEMP, LOW OIL ALARM, BUSHING PRV/OIL / WINDING TEMP. 'R' PHASE BUSHING CLAMP OF 400KV SIDE DAMAGED.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
65	17.08.08	13.00	220KV BTPS – NOIDA – GAZIPUR CKT.	17.08.08	17.28	CKT. TRIPPED ON E/F AT BTPS.
66	17.08.08	15.55	220/66KV 100MVA PR. TR.-IV AT ROHINI	17.08.08	17.08	TR. TRIPPED ON E/F, O/C, 86B ALONG WITH 66KV I/C-IV WHICH TRIPPED ON E/F. 66KV I/C-III ALSO TRIPPED ON E/F. 66KV I/C-III & IV CHARGED AT 17.00HRS.
67	18.08.08	14.32	400KV BAMNAULI – BAWANA CKT-II	18.08.08	14.35	CKT. TRIPPED WITHOUT INDICATION AT BAWANA. NO TRIPPING AT BAMNAULI.
68	21.08.08	11.40	220/33KV 100MVA PR. TR.-I & II AT GEETA COLONY	21.08.8	12.51	100MVA PR. TR.-I TRIPPED ON 86, 30B, 30E ALONG WITH 33KV I/C-I WHICH TRIPPED ON CB AUTO TRIP. 100MVA PR. TR.-II TRIPPED ON 86, 30B, 30E ALONG WITH 33KV I/C-II WHICH TRIPPED ON CB AUTO TRIP. 100MVA PR. TR.-I & II CHARGED AT 12.51HRS. AND 12.50HRS RESPECTIVELY.
69	21.08.08	22.55	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	21.08.08	23.25	TR. TRIPPED ON 51, NON DIRECTIONAL O/C 'RYB' PHASE ALONG WITH 11KV I/C-II WHICH TRIPPED ON 'B' PHASE O/C.
70	22.08.08	04.19	220KV PANIPAT – NARELA CKT-II	22.08.08	04.55	CKT. TRIPPED ON CNZ-I, MICRO MHO SCHEME, 30G, 30C, 186A, 186B, MASTER RELAY AT NARELA.
71	23.08.08	22.08	220/33KV 100MVA PR. TR.-I AT GEETA COLONY	27.08.08	10.45	TR. TRIPPED ON BUCHZ.
72	23.08.08	21.28	220/66KV 100MVA PR. TR.-II AT PRAGATI	23.08.08	21.57	TR. TRIPPED ON 86, 86, 30F
73	24.08.08	04.30	220KV WAZIRABAD – KASHMIRI GATE CKT-II	24.08.08	15.46	CKT. TRIPPED ON RXME-18, REL-511, DIST PROT 'RYB' PHASE A WAZIRA BAD. CKT. TRIED TO CLOSE ON LOAD AT BUT COULD NOT HOLD. CKT. FINALLY CHARGED AT 15.46HRS.
74	24.08.08	13.24	220KV BTPS – NOIDA – GAZIPUR CKT.	24.08.08	13.48	CKT. TRIPPED ON E/F, 'B' PHASE ZONE-II AT BTPS. NO TRIPPING AT GAZIPUR
75	25.08.08	09.49	400KV BAMNAULI – BAWANA CKT-I	25.08.08	10.17	CKT. TRIPPED ON MAIN-I CNZ-I, MAIN-II CNZ-II, 186A, 186B AT BAWANA. CKT. TRIPPED ON MAIN-I CNZ-I, MAIN-II CNZ-II, 195B1C, 295B1C ON CB-I, 195A2C, 195C2C ON CB-2 AT BAMNAULI.
76	25.08.08	15.05	220/33KV 100MVA PR. TR.-II AT PARK STREET	25.08.08	17.35	TR. TRIPPED ON SUDDEN PRESSURE, 86.
77	25.08.08	18.05	220KV GOPALPUR – SUBZI MANDI CKT-II	25.08.08	20.30	CKT. TRIPPED ON DIST PROT 'R' PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
78	26.08.08	12.30	220KV BTPS – OKHLA CKT-I & II	26.08.08	12.43	CKT.-I TRIPPED ON 64EX, 186, 186X1, 186X2 AT BTPS. NO TRIPPING ON CKT-II AT BTPS. 220KV BTPS CKT-I & II TRIPPED ON E/F AND BACK UP PROTECTION AT OKHLA. CKT.-I CHARGED AT 12.43HRS. WHILE CKT-II COULD BE CHARGED AT 18.24HRS.
79	27.08.08	11.40	220KV BTPS – NOIDA – GAZIPUR CKT.	27.08.08	12.16	CKT. TRIPPED ON 'Y' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR
80	27.08.08	11.50	220KV BAWANA – NAJAFGARH CKT-II	27.08.08	12.21	CKT. TRIPPED ON DIST PROT 'C' PHASE ZONE-I, 21X, 21Y1, 21B1, 21X2, 21Y2, 21Z2 AT BAWANA AND ON DIST PROT 'C' PHASE, 186, 186 AT NAJAFGARH.
81	27.08.08	13.59	220KV BTPS – NOIDA – GAZIPUR CKT.	27.08.08	15.30	CKT. TRIPPED ON 'Y' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR
82	27.08.08	18.30	220KV GOPALPUR – SUBZI MANDI CKT-I	27.08.08	18.38	CKT. TRIPPED ON DIST PROT 'YB' PHASE, ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
83	27.08.08	21.54	220KV BAMNAULI – NARAINA CKT-II	28.08.08	16.10	CKT. TRIPPED ON DIST PROT `B` PHASE AT BAMNAULI AND ON DIST PROT, 86A, 86B, 86C, AUTO RECLOSE LOCK OUT, 186A, 186B, 186XABC AT NARAINA.
84	29.08.08	10.42	220KV BTPS – MEHRAULI CKT-II	29.08.08	10.58	CKT. TRIPPED ON DIST PROT, 30A AT BTPS AND ON DIST PROT `A` PH, ZONE-I 186, ACTIVE GROUP-I AT MEHRAULI.
85	29.08.08	17.38	220KV GOPALPUR – SUBZI MANDI CKT-II	29.08.08	17.48	CKT. TRIPPED ON DIST PROT ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
86	30.08.08	02.45	66/11KV 20MVA PR. TR. AT PATPARGANJ	30.08.08	08.40	TR. TRIPPED ON E/F
87	30.08.08	17.05	220/33KV 100MVA PR. TR.-I & II AT PARK STREET	30.08.08	17.19	100MVA PR. TR.-I & II TRIPPED ON E/F, 86 ALONG WITH 33KV I/C-I & II WHICH TRIPPED ON E/F, 86
88	31.08.08	12.17	66/11KV 20MVA PR. TR-I AT WAZIRABAD	31.08.08	20.55	TR. TRIPPED ON BUCHZ, 86, OLTC BUCHZ ALONG WITH 11KV I/C-I WHICH TRIPPED ON INTER TRIPPING.
89	31.08.08	14.01	220KV BTPS – NOIDA – GAZIPUR CKT.	31.08.08	14.27	CKT. TRIPPED ON DIRECTIONAL E/F AT GAZIPUR AND ON 186A, 186B, E/F, AN `R` PHASE, 23, 186X AT BTPS.

17.6 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH SEPTEMBER – 2008

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.09.08	17.21	220KV IP – IP EXT CKT-I & II	01.09.08	17.35	THE FOLLOWING TRIPPINGS OCCURRED : AT IP EXT. IP CKT-I : NO TRIPPING IP CKT-II : 86T, 86F, DIST PROT `ABC` PHASE, ZONE-I, ACTIVE GROUP-I, AT IP IP EXT CKT-I : 86A, 86B, 86C, 86T, 86T, DIST PROT ZONE-I IP EXT CKT-II: 86A, 86B, 86C, 86T, DIST PROT ZONE-I. CKT-I & II CHARGED AT 17.34HRS. AND 17.35HRS RESPECTIVELY.
02	02.09.08	05.31	400KV BAMNAULI – BAWANA CKT-II	02.09.08	05.34	CKT. TRIPPED ON DIST PROT MAIN-I, ANZ-I, MAIN-II ANZ-I AT BAMNAULI AND ON MAIN-I ANZ-I, 97X MAIN-II : ANZ-I AT BAWANA
03	02.09.08	8.25	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	02.09.08	08.30	TR. TRIPPED ON O/C `Y` PHASE ALONG WITH 11KV I/C-II WHICH TRIPPED ON O/C, E/F
04	02.09.08	15.48	220KV BTPS – MEHRAULI CKT-I	02.09.08	16.00	CKT. TRIPPED ON `C` PHASE E/F AT BTPS AND ON DIST PROT `C` PHASE ZONE-I AT MEHRAULI
05	03.09.08	09.35	220KV BTPS – OKHLA CKT-II	03.09.08	09.45	CKT. TRIPPED ON O/C, E/F AT OKHLA. NO TRIPPING AT BTPS.
06	04.09.08	10.42	220KV BTPS – MEHRAULI CKT-I & II	04.09.08	10.45	220KV BTPS CKT-I & II TRIPPED ON 186, 186 AT MEHRAULI.
07	04.09.08	10.42	220KV MEHRAULI – BAMNAULI CKT-I & II	04.09.08	10.58	220KV BAMNAULI & II TRIPPED ON 186, 186, UNDER FREQUENCY RELAY (CODE-8 MODE) AT MEHRAULI.
08	04.09.08	12.23	220KV MEHRAULI – BAMNAULI CKT-II	04.09.08	12.31	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT `ABC` PHASE ZONE-II, 186, 186 AT MEHRAULI. NO TRIPPING AT BAMNAULI.
09	05.09.08	15.40	220KV GEETA COLONY – PATPARGANJ CKT-I	05.09.08	21.45	CKT. DID NOT TRIPP BUT 30B, OIL PRESSURE LOW, BREAKER PROBLEM RELAY INDICATION APPEARED AT GEETA COLONY. CKT. TRIPPED MANNUALLY AT PATPARGANJ END.
10	05.09.08	22.05	66/11KV 20MVA PR. TR. AT PAPPANKALAN-II	06.09.08	01.35	TR. TRIPPED ON E/F `RYB` PHASE, LBB PROBLEM, BACK UP PROTECTION.
11	05.09.08	22.54	220KV BAWANA – NARELA CKT-I	06.09.08	16.27	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT 86R, 21XY1, 21YB1, 21XR2, 21Y2B2 AT BAWANA.
12	05.09.08	23.32	220/33KV 50MVA PR. TR.-I & II AND 220/33KV 100MVA PR. TR.-IV AT OKHLA	06.09.09	00.25	50MVA PR. TR.-I TRIPPED ON 95C, 86, 51AX, 51CX ALONG WITH 33KV I/C-I WHICH TRIPPED ON 86, 95, 51. 50MVA PR. TR.-II TRIPPED ON 86, 86, 51AX, 51CX ALONG WITH 33KV I/C-II WHICH TRIPPED ON 86LB, O/C, E/F 220/33KV 100MVA PR. TR.-IV TRIPPED ON 51CX, 86, 86 ALONG WITH 33KV I/C-III & IV WHICH TRIPPED ON 51A, O/C, 86 AND 86LB RESPECTIVELY. 33KV I/C-I & II CHARGED AT 01.40HRS AND 33KV I/C-III & IV CHARGED AT 00.25HRS. ON 06.09.2008

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
13	06.09.08	00.20	220KV BAWNA – NAJAFGARH CKT-I	06.09.08	0022	CKT. TRIPPED ON 186, 186 AT NAJAFGARH. NO TRIPPING AT BAWANA.
14	06.09.08	13.15	220KV BAMNAULI – MEHRAULI CKT-II	06.09.08	24.00	CKT. TRIPPED ON DIST PROT 'BC' PHASE ZONE-II, 186 AT BAMNAULI. NO TRIPPING MEHRAULI.
15	08.09.08	04.25	220/33KV 100MVA PR. TR.-II AT LODHI ROAD	08.09.08	12.16	TR. TRIPPED ON TX TROUBLEM, AUTO RECLOSE LOCK, LBB PROTECTION, 50FTR, VL, 86B
16	09.09.08	11.35	220KV PRAGATI – IP CKT.-II	09.09.08	12.40	CKT. TRIPPED WITHOUT INDICATION AT IP. NO TRIPPING AT PRAGATI.
17	09.09.08	12.55	220/33KV 100MVA PR. TR.-I & II AT PARK STREET	09.09.08	13.30	220/33KV 100MVA PR. TR-I TRIPPED ON 87A,87B ALONG WITH 33KV I/C-I WHICH TRIPPED WITHOUT INDICATION. 220/33KV 100MVA PR. TR.-II TRIPPED ON 86 ALONGWITH 33KV I/C-II WHICH TRIPPED ON 51C, O/C. 100MVA PR. TR.-I & II CHARGED AT 13.30HRS. AND 13.05HRS. RESPECTIVELY.
18	09.09.08	14.13	220KV BTPS – MEHRAULI CKT-I	09.09.08	14.30	CKT. TRIPPED ON 'C' PHASE E/F AT BTPS AND ON DIST PROT 'ABC' PHASE ZONE-I AT MEHRAULI.
19	09.09.08	16.35	66/11KV 20MVA PR. TR.-II AT NAJAFGARH	09.09.08	18.30	TR. TRIPPED ON 86, 51AX, 51DX, 51CX ALNG WITH 11KV I/C-II WHICH TRIPPED ON O/C 'R&B' PHASE.
20	10.09.08	16.42	220KV PATPARGANJ – IP CKT-I	10.09.08	17.05	CKT. TRIPPED ON DIST PROT 'ABC' PH. ZONE-I AT PATPARGANJ AND ON DIST PROT 'ABC' PHASE, 86X, 186 AT IP.
21	12.09.08	13.10	220KV BTPS – MEHRAULI CKT-I	12.09.08	13.30	CKT. TRIPPED ON 'C' PH. E/F AT BTPS AND ON ACTIVE GROUP-I, DIST PROT 'C' PH, ZONE-I, 186, 186 AT MEHRAULI.
22	13.09.08	11.34	220KV BTPS – MEHRAULI CKT-I	13.09.08	12.40	CKT. TRIPPED ON 30C, 30G, 186'C' PHASE E/F AT BTPS AND ON DIST PROT 'C' PHASE, ZONE-I AT MEHRAULI.
23	13.09.08	11.36	220KV BTPS – MEHRAULI CKT-II	13.09.08	20.18	CKT. TRIPPED ON 30A, 30G, 186'R' PHASE E/F AT BTPS. NO TRIPPING AT MEHRAULI.
24	13.09.08	14.42	220KV BTPS – MEHRAULI CKT-I	13.09.08	19.36	CKT. TRIPPED ON 30C, 30G, 186 AT BTPS AND ON DIST PROT 'C' PHASE, ZONE-I, 186 AT MEHRAULI.
25	14.09.08	01.20	33/11KV 16MVA PR. TR. AT PATPARGANJ	14.09.08	01.30	TR. TRIPPED ON E/F, O/C 'R' PHASE.
26	14.09.08	11.55	220KV BTPS – MEHRAULI CKT-II	14.09.08	12.08	CKT. TRIPPED ON 'R' PHASE E/F AT BTPS. NO TRIPPING AT MEHRAULI.
27	14.09.08	18.25	220KV PATPARGANJ – GEETA COLONY CKT-II	14.09.08	19.38	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT 'ABC' PHASE ZONE-I AT PATPARGANJ AND ON MAIN-I : ACTIVE GROUP-I, DIST PROT 'ABC' PH ZONE-I MAIN-II DIST PROT 'ABC' PHASE ZONE-I AT GEETA COLONY. CKT. TRIED TO CHARGE AT 18.37HRS FROM GEETA COLONY BUT DID NOT HOLD. CKT. FINALLY CHARGED AT 19.38HRS.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
28	14.09.08	19.55	220KV GOPALPUR – SUBZI MANDI CKT-I	14.09.08	20.15	CKT. TRIPPED ON DIST PROT `RYB` PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
29	18.09.08	11.20	220/66KV 100MVA PR. TR.-II AT WAZIRABAD	18.09.08	11.30	TR. TRIPPED WITHOUT INDICATION.
30	19.09.08	14.52	220KV BTPS – MEHRAULI CKT-II	19.09.08	15.00	CKT. TRIPPED ON `B` PHASE E/F AT BTPS AND ON ACTIVE GROUP- DIST PROT `B` PHASE ZONE-I AT MEHRAULI.
31	20.09.08	00.02	66/11KV 20MVA PR. TR.-II AT PAPPANKALAN-I	20.09.08	10.10	TR. TRIPPED ON BUCHZ, TX TROUBLE RELAY, 30, DIFFERENTIAL, 86, 27 PT FUSE FAILURE AONG WITH 11KV I/C-II WHICH TRIPPED ON
32	20.09.08	02.45	400KV BALLABHGARH – BAMNAULI CKT-I	20.09.08	06.40	CKT. TRIPPED ON CB-I & II : AUTO TRIP, O/V PROTECTION, TRIP OV 86A AND 86B, AUXILIARY VOLTAGE 86OBX.
33	20.09.08	12.22	220/33KV 100MVA PR. TR.-I AT PATPARGANJ	20.09.08	14.10	TR. TRIPPED ON SPR.
34	20.09.08	12.35	220KV RPH – IP CKT--	20.09.08	15.25	CKT. TRIPPED ON AUTO RECLOSE CLOK OUT AT RPH. NO TRIPPING AT IP.
35	21.09.08	17.21	220KV PATPARGANJ – GEETA COLONY CKT-I	21.09.08	23.25	CKT. TRIPPED ON DIST PROT `ABC` PHASE, ZONE-I AT PATPARGANJ AND ON ACTIVE GROUP-I, DIST PROT `ABC` PHASE, ZONE-I AT GEETA COLONY
36	21.09.08	19.17	220KV BTPS – OKHLA CKT-I	21.09.08	19.33	CKT. TRIPPED ON `R` PHASE O/C AT BTPS. CKT DID NOT TRIP AT OKHLA. DUE TO TRIPPING 220/33KV 50MVA PR-I & II ALSO TRIPPED. 50MVA PR. TR.-I TRIPPED ON 95C, 51AX ALONG WITH 33KV I/C-I WHICH TRIPPED ON 86, 95, 51A. 50MVA PR. TR.-II TRIPPED ON 86, 86, 51AX ALONG WITH 33KV I/C-II WHICH TRIPPED ON O/C `R` PH, 86LV.
37	22.09.08	02.00	220KV PANIPAT – NARELA CKT-II	22.09.08	03.55	SUPPLY FAILED FROM PANIPAT. NO TRIPPING AT NARELA.
38	22.09.08	02.00	220KV MANDOLA – NARELA CKT-II	22.09.08	03.32	SUPPLY FAILED FROM MANDOLA. NO TRIPPING AT NARELA.
39	23.09.08	15.00	400KV MANDOLA – BAWANA CKT-II	23.09.08	17.36	CKT. TRIPPED ON SOTF, CB-1852 : 1952 TRIP SUPERVISION ON PC2, CB-1 AUTO TRIP, ON 1852 CB-2 TC-1 FAULTY. NO TRIPPING AT MANDOLA.
40	24.09.08	12.17	400KV MANDOLA – BAWANA CKT-II	24.09.08	13.03	CKT. TRIPPED ON MAIN-I DIST PROT `ABC` PHASE, ZONE-III, SOFT AT BAWANA. NO TRIPPING AT MANDOLA.
41	24.09.08	14.13	220KV MAHARANI BAGH –PRAGATI CKT.	24.09.08	14.35	CKT. TRIPPED ON DIST PROT `RY` PHASE ZONE-C AT MAHARANI BAGH. NO TRIPPING AT PRAGATI.
42	24.09.08	14.13	220KV PRAGATI – SARITA VIHAR CKT	24.09.08	14.27	CKT. TRIPPED ON DIST PROT `AB` PHASE ZONE-I AT SARITA VIHAR. NO TRIPPING AT PRAGATI.
43	24.09.08	14.13	220KV PRAGATI – PARK STREET CKT-I	24.09.08	14.45	CKT. TRIPPED ON E/F AT PARK STREET. NO TRIPPING AT PRAGATI.
43	24.09.08	14.13	220/66KV 100MVA PR. TR.-I & II AT GT	24.09.08	14.40	TR-I & II TRIPPED ON 51, 64. TR.-I & II CHARGED AT 23.42HRS. AND 14.40HRS RESPECTIVELY.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
44	24.09.08	14.13	220/66KV 100MVA PR. TR.-II AT PRAGATI	24.09.08	14.40	TR. TRIPPED ON INTER TRIPPED FROM GT, 30F, 86, 86
45	25.09.08	15.10	220/66KV 100MVA PR. TR.-III AT WAZIRABAD	25.09.08	15.45	TR. TRIPPED ON NON DIRECTIONAL O/C 50/51B ALONG WITH 66KV I/C-III WHICH TRIPPED ON MASTER RELAY, 86, NON DIRECTIONAL ID MTL `B` PHASE 2 O/C, E/F, 50LBB PROTECTION, 50/51 R&B.
46	28.09.08	18.25	220KV PATPARGANJ – GEETA COLONY CKT-I	28.09.08	18.48	CKT. TRIPPED ON DIST PROT `ABC` PH. ZONE-I AT GEETA COLONY AND ON DIST PROT `C` PHASE ZONE-I, 86, SOTF AT PATPARGANJ.
47	28.09.08	18.25	220KV PATPARGANJ – IP CKT-I	28.09.08	19.00	CKT. TRIPPED ON DIST PROT `ABC` PHASE, ZONE-I, 186 AT IP STATION.
48	29.09.08	02.27	220KV GOPALPUR – SUBZI MANDI CKT-I	29.09.08	02.35	CKT. TRIPPED ON DIST PROT `RYB` PHASE, ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
49	29.09.08	13.07	220KV BAMNAULI – MEHRAULI CKT-I	29.09.08	13.24	CKT. TRIPPED ON DIST PROT `A` PHASE ZONE-I, AUTO RECLOSE LOCK OUT, 186A&B AT BAMNAULI AND ON ACTIVE GROUP-I, DIST PROT `A` PHASE ZONE-I AT MEHRAULI.
50	30.09.08	07.48	220KV BAWANA – NAJAFGARH CKT-I & II	29.09.08	07.58	220KV BAWANA CKT-I & II TRIPPED ON 186, 186, MASTER RELAY AT NAJAFGARH DUE TO FAULT IN O/G 66KV BODELLA-II CKT-II

17.7 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH OCTOBER – 2008

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	02.10.08	08.29	220KV BAWANA – ROHINI CKT-II	02.10.08	08.37	CKT. TRIPPED ON O/C, 'R&Y' PHASE, 186A&B AT BAWANA. NO TRIPPING AT ROHINI
02	02.10.08	13.43	220KV PRAGATI – SARITA VIHAR CKT.	02.10.08	13.55	CKT TRIPPED ON DIST PROT ZONE-I, 'C' PH. ACTIVE GROUP-I AT PRAGATI AND ON DIST PROT ZONE-I AT SARITA VIHAR
03	02.10.08	19.59	220/33KV 100MVA PR. TR.-III AT NARAINA	03.10.08	16.35	TR. TRIPPED ON 86, 86B ALONG WITH 33KV I/C WHICH TRIPPED ON INTER TRIPPING.
04	04.10.08	00.33	400KV BAMNAULI – BAWANA CKT-I	04.10.08	15.05	CKT TRIPPED ON MAIN-I & II:CNZ-I, 186A&B AT BAWANA AND ON MAIN-I & II : CNZ-I, AUTO RECLOSE LOCK OUT, 195, 295B1C, 295B2C AT BAMNAULI.
05	04.10.08	04.55	220KV PANIPAT – NARELA CKT-II	04.10.08	10.20	CKT. TRIPPED WITHOUT INDICATION AT NARELA.
06	04.10.08	14.26	220KV MANDOLA – NARELA CKT-I	04.10.08	14.26	CKT. TRIPPED ON DIST PROT ZONE-I 'R' PH. AT MANDOLA AND ON DIST PROT 'A' PH. 186 AT NARELA.
07	05.10.08	06.25	66/11KV 20MVA PR. TR. AT PAPPANKALAN-II	05.10.08	07.10	TR. TRIPPED ON O/C, LBB PROTECTION, BACK UP PROTECTION.
08	05.10.08	07.56	220KV PANIPAT – NARELA CKT-II	05.10.08	08.02	CKT. TRIPPED WITHOUT INDICATION AT NARELA.
09	05.10.08	16.06	220KV PRAGATI – SARITA VIHAR CKT.	05.10.08	16.14	CKT. TRIPPED ON DIST PROT ZONE-I 'ABC, PHASE AT SARITA VIHAR AND ON 186, 195AC, 195BC, 195CC AT PRAGATI S/STN.
10	05.10.08	16.16	220KV MAHARANI BAGH – PRAGATI CKT.	05.10.08	16.32	CKT. TRIPPED ON L1, L2 AT MAHARANI BAGH.
11	07.10.08	15.15	220/33KV 100MVA PR. TR.-III AT NARAINA	07.10.08	15.55	TR. TRIPPED ON 64RLV, 86B ALONG WITH ITS 33KV I/C WHICH TRIPPED ON INTER TRIPPING.
12	08.10.08	10.50	220KV PANIPAT – NARELA CKT-II	08.10.08	10.52	CKT. TRIPPED WITHOUT INDICATION AT NARELA.
13	09.10.08	01.48	220KV PRAGATI – SARITA VIHAR CKT.	09.10.08	01.57	CKT. TRIPPED ON DIST PROT ZONE-I 'C' PHASE. AT PRAGATI AND ON DIST PROT ZONE-I 'C' PH., 186 AT SARITA VIHAR.
14	10.10.08	13.46	220KV MANDOLA – WAZIRABAD CKT-I	10.10.08	16.28	CKT. TRIPPED ON DIST PROT ZONE-I RYB PHASE AT WAZIRABAD AND ON DIST PROT ZONE-II 'R' PHASE AT MANDOLA.
15	10.10.08	16.48	220KV MAHARANI BAGH – SARITA VIHAR CKT.	10.10.08	17.01	CKT. TRIPPED ON 'B' PHASE L1, L2 AT MAHARANI BAGH AND ON DIST PROT ZONE-I 'ABC' PHASE, AUTO RECLOSE LOCK OUT 186A&B AT SARITA VIHAR.
16	10.10.08	16.50	220KV BTPS – SARITA VIHAR CKT-II	10.10.08	17.20	CKT. TRIPPED ON 67NX, 186, 186A&B AT BTPS. NO TRIPPING AT SARITA VIHAR.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
17	12.10.08	17.12	220KV PRAGATI – SARITA VIHAR CKT.	12.10.08	17.23	CKT. TRIPPED ON DIST PROT ZONE-I `C` PHASE AT PRAGATI AND ON DIST PROT ZONE-I `C` PHASE, 186A, 186B AT SARITA VIHAR.
18	13.10.08	15.40	220KV PANIPAT – NARELA CKT-II	13.10.08	15.51	CKT. TRIPPED WITHOUT INDICATION AT NARELA.
19	13.10.08	19.50	33/11KV 16MVA PR. TR.-III AT LODHI ROAD	15.10.08	22.05	TR. TRIPPED ON O/C ALONG WITH 11KV I/C-III.
20	13.10.08	22.55	220/33KV 100MVA PR. TR.-III AT NARAINA	14.10.08	10.35	TR. TRIPPED ON 86B, 64RLV, REF ALONG WITH ITS 33KV I/C WHICH TRIPPED WITHOUT INDICATION.
21	14.10.08	09.02	220/33KV 100MVA PR. TR.-II AT NARAINA	14.10.08	12.42	TR. TRIPPED ON E/F, 51N, 86B ALONG WITH ITS 33KV I/C WHICH TRIPPED ON 86.
22	14.10.08	13.56	220KV MAHARANI BAGH – PRAGATI CKT.	14.10.08	14.14	CKT. TRIPPED ON DIST PROT ZONE-I `R` PH AT MAHARANI BAGH AND ON DIST PROT ZONE-I `A` PH, 186 AT PRAGATI.
23	14.10.08	15.45	220/33KV 100MVA PR. TR.-II AT NARAINA	14.10.08	17.40	TR. TRIPPED ON E/F, 51N, 86B, O/C, E/F, OLTC BUCHZ. ALONG WITH ITS 33KV I/C WHICH TRIPPED ON 86.
24	16.10.08	15.15	220KV WAZIRABAD – KASHMIRI GATE CKT- II	16.10.08	16.10	CKT. TRIPPED ON RXME18, DIST PROT ZONE-I AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE.
25	16.10.08	15.56	220KV GEETA COLONY – WAZIRABAD CKT-I	16.10.08	16.15	CKT TRIPPED ON RXME18, DIST PROT ZONE-I, `R&Y` PHASE AT WAZIRABAD AND ON MAIN-I, DIST PROT ZONE-I, ABC PHASE, 86, 27RYB, MAIN-II DIST PROT ZONE-I ABC PHASE AT GEETA COLONY. DUE TO THE TRIPPING, ALL RUNNING UNITS AT IP, RPH AND PRAGATI (UNIT-2 & STG) ISLANDED FROM THE GRID AND COLLAPSED. THE DETAILS OF SYNCHRONIZATION OF GENERATING UNITS ARE AS UNDER : RPH UNIT-I & II SYNCHRONIZED AT 17.16HRS. AND 17.37HRS. PRAGATI UNIT-II&STG SYNCHRONIZED AT 17.49HRS. AND 17.15HRS. RESPECTIVELY AND IP UNIT-III, IV & V SYNCHRONIZED AT 19.17HRS, 18.22HRS 16.53HRS RESPECTIVELY.
26	18.10.08	13.02	220KV WAZIRABAD – GEETA COLONY CKT-I	18.10.08	13.07	CKT. TRIPPED ON DIST PROT RYB` PHASE ZONE-I, GENERAL TRIP AT WAZIRABAD. NO TRIPPING AT GEETA COLONY.
27	18.10.08	13.02	220KV PATPARGANJ – GEETA COLONY CKT-I	18.10.08	13.15	CKT. TRIPPED ON DIST PROT ABC` PHASE ZONE-I, 30E, 27RYB, 86 AT GEETA COLONY AND ON DIST PROT `A` PHASE ZONE-I, 186 AT PATPARGANJ
28	22.10.08	13.23	220KV PANIPAT – NARELA CKT-I, II & III	22.10.08	13.38	220KV PANIPAT – NARELA CKT-I, II & III TRIPPED WITHOUT INDICATION AT NARELA.
29	22.10.08	13.23	220KV MANDOLA – NARELA CKT-I & II	22.10.08	15.12	220KV MANDOLA CKT-I & II TRIPPED ON 86, 186 AT NARELA.
30	22.10.08	17.15	33/11KV 16MVA PR. TR. AT PATPARGANJ	22.10.08	21.35	TR. TRIPPED ON DIFFERENTIAL, 87BX AND 86.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	24.10.08	13.15	220KV BTPS – SARITA VIHAR CKT-II	24.10.08	13.35	CKT. TRIPPED ON 195CC, 186, DIST PROT 'A' PHASE AT SARITA VIHAR AND ON E/F AT BTPS.
32	24.10.08	22.35	66/11KV 20MVA PR. TR.-III AT WAZIRABAD	25.10.08	00.55	TR. TRIPPED ON 86, REF ALONG WITH ITS 11KV I/C-III WHICH TRIPPED ON O/C 'R' PHASE.
33	25.10.08	12.38	33/11KV 16MVA PR. TR.-III AT LODHI ROAD	25.10.08	22.16	TR. TRIPPED ON O/C ALONG WITH ITS 11KV I/C-III WHICH TRIPPED ON O/C.
34	25.10.08	12.47	220KV WAZIRABAD – GEETA COLONY CKT-I	25.10.08	12.55	CKT. TRIPPED ON RXME18, GENERAL TRIP, DIST PROT 'R&B' PHASE ZONE-I AT WAZIRABAD.
35	25.10.08	12.48	220KV PATPARGANJ – GEETA COLONY CKT-I	25.10.08	12.58	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT 'ABC' PHASE, 86, 30E AT GEETA COLONY AND ON DIST PROT 'A' PHASE ZONE-I, 186, 86X AT PATPARGANJ.
36	25.10.08	12.47	220KV IP – PATPAR GANJ CKT-II	25.10.08	13.50	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT 'A' PHASE ZONE-I, 186, 86X AT PATPARGANJ.
37	25.10.08	21.05	33/11KV 16MVA PR. TR. AT PATPARGANJ	26.10.08	18.10	TR. TRIPPED ON E/F, O/C.
38	29.10.08	12.25	220KV PANIPAT – NARELA CKT-I	29.10.08	13.05	CKT. TRIPPED ON 186, 30G, 85X2 AT NARELA.
39	30.10.08	12.50	66/11KV 20MVA PR. TR.-II AT PAPPANKALAN-I	30.10.08	17.40	TR. TRIPPED ON DIFFERENTIAL, 86 ALONG WITH 11KV I/C-II. 11KV 'Y' PHASE LA DAMAGED.
40	30.10.08	17.10	220KV PATPARGANJ – GEETA COLONY CKT-I	30.10.08	17.23	CKT. TRIPPED ON 86 AT PATPARGANJ.
41	30.10.08	17.10	220KV IP – PATPAR GANJ CKT-I	30.10.08	17.46	CKT. TRIPPED ON 186 AT PATPARGANJ.
42	30.10.08	17.10	220/33KV 100MVA PR. TR.-I & IV AND 220/33KV 50MVA PR. TR.-II AT PATPARGANJ	30.10.08	17.30	220/33KV 100MVA PR. TR.-I TRIPPED ON 86, 86 ALONG WITH ITS 33KV I/C WHICH TRIPPED ON INTER TRIPPING 220/33KV 100MVA PR. TR.-IV TRIPPED ON 96, 96 ALONG WITH ITS 33KV I/C WHICH TRIPPED ON INTER TRIPPING. 220/33KV 50MVA PR. TR.-II TRIPPED WITHOUT INDICATION. 100MVA PR. TR.-I AND IV CHARGED AT 17.25HRS. AND 17.27HRS. AND 50MVA PR. TR.-II CHARGED AT 17.30HRS.
43	30.10.08	18.07	220/66KV 100MVA PR. TR.-III AT NARELA	30.10.08	18.13	TR. TRIPPED ON LOW OIL PRESSURE INDICATION.
44	31.10.08	14.55	220KV BTPS – MEHRAULI CKT-I	31.10.08	15.50	CKT. TRIPPED ON DIST PROT 'C' PHASE ZONE-I AT MEHRAULI AND ON 30C, 30G, 186 AT BTPS. 95A, 95B, 95AX, 95BX AND BUS BAR PROTECTION ALSO OPERATED AT MEHRAULI.

17.8 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH NOVEMBER – 2008

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.11.08	05.50	220kV GEETA COLONY – PATPARGANJ CKT-II	01.11.08	07.50	CKT. TRIPPED ON CBTC ½, D ½ FAIL, BROKEN TROUBLE, CB GENERAL LOCK OUT, 30A, 30B, 195RYB, 295RUB AT GEETA COLONY.
02	02.11.08	23.45	33/11KV 16MVA PR. TR. AT SUBZI MANDI	02.11.08	23.59	TR. TRIPPED ON NON DIRECTIONAL E/F, O/C, 86 ALONG WITH 11KV I/C WHICH TRIPPED ON O/C & E/F.
03	04.11.08	02.20	220KV BTPS – NOIDA – GAZIPUR CKT.	04.11.08	02.35	CKT. TRIPPED ON DIRECTIONAL O/C, 87V, THREE PHASE PROTECTION AT GAZIPUR.
04	04.11.08	12.45	220/33KV 100MVA PR. TR.-II AT SHALIMAR BAGH	04.11.08	12.52	TR.. TRIPPED ON `R` PHASE, 51A ALONG WITH 11KV I/C-II WHICH TRIPPED ON `R&B` PHASE 86.
05	04.11.08	15.28	220KV BAWANA – ROHINI CKT-II	04.11.08	15.35	CKT. TRIPPED ON DIST PROT `A` PHASE, 186 AT BAWANA. NO TRIPPING AT ROHINI
06	10.11.08	20.30	66/11KV 20MVA PR. TR.-II AT VASANT KUNJ	11.11.08	00.40	TR. TRIPPED ON E/F, O/C, 51A, 51B, 51C, 86 ALONG WITH 11KV I/C-II WHICH TRIPPED ON 51A, 51C, 86
07	12.11.08	01.26	220KV BAWANA – SHALIMAR BAGH CKT-I	12.11.08	18.42	CKT. TRIPPED ON DIST PROT `A` PHASE, 186A, 186B, 21Q AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.
08	14.11.08	02.57	66/11KV 20MVA PR. TR.-II AT WAZIRABAD-II	14.11.08	14.30	TR. TRIPPED ON O/C, INSTANTEOUS TIME RELAY ALONG WITH 11KV I/C-II WHICH TRIPPED ON 51C, O/C, 67C, DIRECTIONAL O/C.
09	15.11.08	12.00	220/66KV 100MVA PR. TR.-II A GT	15.11.08	12.13	TR. TRIPPED ON 51, 64.
10	17.11.08	12.00	220KV MANDOLA – NARELA CKT-I & II	17.11.08	12.28	CKT-I & II TRIPPED ON BACK UP PROTECTION, DIRECT TRIP, AUTO RECLOSE LOCK OUT AT MANDOLA. NO TRIPPING AT NARELA.
11	18.11.08	07.57	220/66KV 100MVAP R. TR.-II AT PRAGATI	18.11.08	11.28	TR. TRIPPED ON 30D, OLTC BUCHLOZ, 86, 86.
12	21.11.08	00.41	220KV BAMNAULI – BAWANA CKT-II	21.11.08	00.54	CKT. TRIPPED ON MAIN-I & II DIST PROT `CN` PHASE ZONE-I AT BAWANA AND ON CB-I : DIST PROT ZONE-I, CB-II DIST PROT `C` PHASE ZONE-I, 186A&B AT BAMNAULI.
13	21.11.08	01.38	220KV BAMNAULI – BAWANA CKT-II	21.11.08	00.54	CKT. TRIPPED ON MAIN-I & II DIST PROT `CN` PHASE ZONE-I AT BAWANA AND ON CB-I : DIST PROT ZONE-I, CB-II DIST PROT `C` PHASE ZONE-I, 186A&B AT BAMNAULI.
14	21.11.08	01.40	220KV BAMNAULI – BAWANA CKT-I	21.11.08	06.53	CKT. TRIPPED ON CB-I : ANZ-I, CB-II : DIST PROT ANZ-I, AUTO RECLOSE LOC OUT 186A&B AT BAMNAULI AND ON MAIN-I : ANZ-I, MAIN-II : ANZ-I, 186A&B BOTH CB AT BAWANA.
15	21.11.08	17.15	33/11KV 20MVA PR. TR.-I AT SHALIMAR BAGH	21.11.08	21.25	TR. TRIPPED ON DIFFERENTIAL ALONG WITH 11KV I/C-I WHICH TRIPPED ON INTER TRIPPING.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
16	23.11.08	09.36	220/66KV 100MVA PR. TR.-II AT PRAGATI	23.11.08	19.50	TR. TRIPPED ON 86, 86, 30F.
17	23.11.08	11.07	220/33KV 100MVA PR. TR.-I AT PARK STREET	23.11.08	12.50	TR. TRIPPED ON 87A, 87B, 86A, 86A, DIFFERENTIAL ALONG WITH 33KV I/C-I WHICH TRIPPED ON INTER TRIPPING.
18	24..11.08	06.45	220KV MANDOLA- WAZIRABAD CKT-II & II	24..11.08	08.02	THE FOLLOWING TRIPPING OBSERVED : AT WAZIRABAD : SUPPLY FAILED FROM MANDOLA ON CKT-II & III AT MANDOLA WAZIRABAD CKT-II & III : DIST PROT 'YB' PH, ZONE-II, 86RYB, 186AB
19	24..11.08	06.45	220KV WAZIRABAD – GEETA COLONY CKT-I	24..11.08	08.05	CKT. TRIPPED ON MAIN-I: ACTIVE GROUP-I, DIST PROT 'ABC' PH, ZONE-II AND ACTIVE GROUP-I, DIST PROT ABC PHASE, ZONE-I, 86, 30B, RYB AT GEETA COLONY. NO TRIPPING AT WAZIRABAD.
20	24..11.08	06.45	220KV WAZIRABAD – KASHMIRI GATE CKT- II	24..11.08	07.03	CKT. TRIPPED ON RXME-18, 3 PHASE, AUXILIARY RELAY, REL, GENERAL TRIP AT KASHMIRI GATE. NO TRIPPING AT WAZIRABAD.
21	25.11.08	15.58	220KV WAZIRABAD – KASHMIRI GATE CKT- II	25.11.08	16.10	CKT. TRIPPED ON RXME18, AUX RELAY, DIST PROT 'RYB' PH. AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE.
22	26.11.08	01.17	220KV BAWANA – HISSAR CKT.	26.11.08	01.37	CKT. TRIPPED ON MAIN-I BNZ-I, AIDED TRIP, MAIN-II : 86A2, 86B2, 86C2, 186A, 186B AT BAWANA.
23	28.11.08	15.58	220KV BTPS – NOIDA – GAZIPUR CKT.	28.11.08	16.35	CKT. TRIPPED ON 'B' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR
24	29.11.08	06.27	220/33KV 100MVA PR. TR.-I AT PARK STREET	29.11.08	11.30	TR. TRIPPED ON DIFFERENTIAL, 'B' PHASE, 87B, 86.
25	29.11.08	15.55	33/11KV 20MVA PR. TR. AT KASHMIRI GATE	29.11.08	17.45	TR. TRIPPED ON DIFFERENTIAL, 87RYB, 86 ALONG WITH ITS 11KV I/C-II WHICH TRIPPED

17.9 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH DECEMBER – 2008

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.12.08	04.15	220KV PATPARGANJ – IP CKT-II	01.12.08	04.33	CKT. TRIPPED WITHOUT INDICATION AT IP STATION.
02	01.12.08	10.00	220KV BTPS – MEHRAULI CKT-I	01.12.08	10.36	CKT TRIPPED ON 186, 30G, 30C AT BTPS AND ON DIST PROT `C` PHASE ZONE-I AT MEHRAULI.
03	01.12.08	23.01	220KV BAWANA – NAJAFGARH CKT-I & II	03.12.08	05.12	220KV BAWANA CKT-I & II TRIPPED ON 186, 186 AT NAJAFGARH. 220KV NAJAFGARH CKT-II TRIPPED ON DIST PROT `C` PH. ZONE-IM 21XR1, Y1, B1 AT BAWANA. NO TRIPPING ON NAJAFGARH CKT-I AT BAWANA.
04	05.12.08	14.46	220KV PATPARGANJ – IP CKT-I	05.12.08	17.10	CKT. TRIPPED ON E/F, 186, 186 AT PATPARGANJ AND ON DIST PROT ZONE-I, RYB PHASE, 186 AT IP STATION.
05	06.12.08	21.04	220KV MANDOLA – WAZIRABAD CKT-I	06.12.08	21.35	CKT. TRIPPED WITHOUT INDICATION AT WAZIRABAD.
06	06.12.08	21.04	220KV WAZIRABAD – GEETA COLONY CKT-II	06.12.08	21.35	CKT. TRIPPED WITHOUT INDICATION AT WAZIRABAD.
07	06.12.08	21.04	220KV WAZIRABAD – KASHMIRI GATE CKT-II	07.12.08	08.25	CKT. TRIPPED ON GENERAL TRIP, GFC STF WL-1, GFCSTF WL2, ZM-1 TRIP, ZM-2 START, ZM-3 START, L1L2 AT KASHMIRI GATE. CKT. AGAIN TRIED AT 21.53HRS. BUT AGAIN TRIPPED ON DIST PROT `A` PH, 21Q, 86A, `C` PH, 86C, AUTO RECLOSE AA, 186A, 186B, THREE PHASE TRIP, 186X. CKT. FINALLY CHARGED AT 08.25HRS. ON 07.12.2008
08	06.12.08	21.04	220/66KV 100MVA PR. TR.-I AT WAZIRABAD	06.12.08	21.35	TR. TRIPPED WITHOUT INDICATION.
09	07.12.08	17.33	220KV PATPARGANJ – IP CKT-II	07.12.08	18.06	CKT. TRIPPED ON 186 AT PATPARGANJ. 220KV BUS BAR PROTECTION OPERATED AT PATPARGANJ ON BUS-II. 220KV BUS-II CHARGED AT 18.04HRS.
10	07.12.08	17.34	220KV PATPARGANJ – IP CKT-I	07.12.08	18.03	CKT. TRIPPED ON 186 AT PATPARGANJ AND ON DIST PROT. `RYB` PHASE ZONE-I AT IP. 220KV BUS BAR PROT. OPERATED AT PATPARGANJ ON BUS-I. 220KV BUS-I CHARGED AT 18.03HRS.
11	07.12.08	17.33	220KV PATPARGANJ – GEETA COLONY CKT-II	07.12.08	18.05	CKT. TRIPPED ON 186 AT PATPARGANJ. 220KV BUS BAR PROTECTION OPERATED AT PATPARGANJ ON BUS-II. 220KV BUS-II CHARGED AT 18.04HRS.
12	07.12.08	17.34	220KV PATPARGANJ – GEETA COLONY CKT-I	07.12.08	18.03	CKT. TRIPPED ON 186 AT PATPARGANJ. 220KV BUS BAR PROTECTION OPERATED AT PATPARGANJ ON BUS-I. 220KV BUS-I CHARGED AT 18.03HRS.
13	07.12.08	17.33	220/33KV 100MVA PR. TR.-I, 50MVA PR. TR.-II AND 100MVA PR. TR.-IV AT PATPARGANJ	07.12.08	18.33	220/33KV 100MVA PR. TR.-I AND 50MVA PR. TR.-II TRIPPED ON 86. 220/33KV 100MVA PR. TR.-IV TRIPPED ON 86A, 86B, 96, 64E/F, 87T, DIFFERENTIAL. 100MVA PR. TR.-I & IV CHARGED AT 18.07HRS. AND 18.33HRS. AND 50MVA PR. TR.-II CHARGED AT 18.11HRS.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
14	10.12.08	00.52	220KV BTPS – OKHLA CKT-II	10.12.08	00.57	CKT. TRIPPED ON AUTO RECLOSE LOCK OUT, 86T, 86T. NO TRIPPING AT OKHLA.
15	10.12.08	00.51	220KV SARITA VIHAR – PRAGATI CKT	10.12.08	09.03	CKT. TRIPPED ON DIST PROT AB PHASE ZONE-II, AUTO RECLOSE LOCK OUT, 186A, 186B AT SARITA VIHAR AND ON DIST PROT `C` PHASE ZONE-I AT PRAGATI.
16	10.12.08	00.51	220KV BTPS – SARITA VIHAR CKT-I	10.12.08	09.03	CKT. TRIPPED ON `B` PHASE E/F AT BTPS. NO TRIPPING AT SARITA VIHAR.
17	10.12.08	01.04	220/66KV 100MVA PR. TR.-I AT SARITA VIHAR	10.12.08	07.50	TR. TRIPPED ON 51N, IDTM, 86, 195A, 195B.
18	11.12.08	17.50	220KV MANDOLA – WAZIRABAD CKT-IV	11.12.08	18.27	TRIP CKT SUPERVISION RELAY OPERATED ON MANDOLA CKT-IV AT WAZIRABAD.
19	11.12.08	13.28	220KV PRAGATI – SARITA VIHAR CKT.	11.12.08	13.38	CKT. TRIPPED ON 186, 186, DIST PROT `ABC` PHASE ZONE-I AT PRAGATI AND ON DIST PROT `ABC` PHASE ZONE-I AT SARITA VIHAR.
20	12.12.08	17.25	220KV PATPARGANJ – IP CKT-I	12.12.08	17.48	CKT. TRIPPED ON DIST PROT `ABC` PHASE ZONE-I AT PATPARGANJ AND ON DIST PROT `ABC` PHASE ZONE-I, 186, 86Y AT IP STATION.
21	15.12.08	13.46	220KV MANDOLA – WAZIRABAD CKT-IV	15.12.08	14.30	CKT. TRIPPED ON DIST PROT `Y` PHASE ZONE-I AT MANDOLA AND ON RXME18, DIST PROT `RYB` PHASE, ZONE-I AT WAZIRABAD.
22	15.12.08	20.58	400KV BAWANA – HISSAR CKT	15.12.08	21.14	CKT. TRIPPED ON MAIN-I : DIST PROT `B` PHASE ZONE-I, ADDED TRIP, MAIN- II : DIST PROT ABC PHASE ZONE-II, 186A, 186B, 2/AA AT BAWANA.
23	16.12.08	04.38	220KV PATPARGANJ – IP CKT-I	16.12.08	06.48	CKT. TRIPPED ON 86 AT IP STATION.
24	18.12.08	15.35	220KV MANDOLA – WAZIRABAD CKT-I	18.12.08	17.58	CKT. TRIPPED WITHOUT INDICATION AT WAZIRABAD.
25	18.12.08	15.35	220KV WAZIRABAD – GEETA COLONY CKT-II	18.12.08	19.20	CKT. TRIPPED WITHOUT INDICATION AT WAZIRABAD.
26	18.12.08	15.35	220/66KV 100MVA PR. TR.-II AT WAZIRABAD	18.12.08	17.50	TR. TRIPPED WITHOUT INDICATION.
27	18.12.08	15.35	220KV WAZIRABAD – KASHMIRI GATE CKT- II	18.12.08	17.45	CKT. TRIPPED ON RXME-18 GENERAL TRIPPING, GSCHTF, WL-1, WL-2, WL-3 AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE.
28	19.12.08	14.07	220KV WAZIRABAD – GEETA COLONY CKT-II	19.12.08	15.15	CKT. TRIPPED WITHOUT INDICATION AT WAZIRABAD.
29	20.12.08	09.38	220KV BAMNAULI – NARAINA CKT-II	20.12.08	18.42	CKT. TRIPPED ON DIST PROT `B` PHASE ZONE-I AT BAMNAULI.
30	21.12.08	00.23	VARIOUS 400/220KV TRIPPINGS IN DELHI	21.12.08		DETAILED REPORT ENCLOSED AT SR. NO. 'E'

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	21.12.08	08.25	220/66KV 100MVA PR. TR.-III AT MEHRAULI	21.12.08	08.45	TR. TRIPPED ON E/F, O/C, 51AX, 64X ALONG WITH 66KV I/C-I & III WHICH TRIPPED ON 64X, E/F, 51AX AND 51BX, O/C, AND E/F RESPECTIVELY. 66KV I/C- I & III CHARGED AT 08.45HRS.
32	21.12.08	16.15	220KV GEETA COLONY - PATPARGANJ CKT-II	21.12.08	16.35	CKT. TRIPPED ON DIST PROT `ABC` PH, ZONE-II, 85X, 186 AT PATPARGANJ AND ON MAIN-I : DIST PROT ZONE-I, MAIN-II: DIST PROT ZONE-I AT GEETA COLONY.
33	22.12.08	23.35	220/33KV 100MVA PR. TR.-III AT OKHLA	23.12.08	19.17	TR. TRIPPED WITHOUT INDICATION.
34	24.12.08	15.55	220KV PATPARGANJ - GEETA COLONY CKT-II	24.12.08	17.07	CKT. TRIPPED ON DIST PROT `ABC` PHASE, ZONE-I AT PATPARGANJ AND ON ACTIVE GROUP-I, DIST PROT ABC PHASE, ZONE-II, 86, 27RYB, 30E AT GEETA COLONY.
35	25.12.08	06.10	220KV PANIPAT - NARELA CKT-III	25.12.08	06.39	CKT. TRIPPED ON 30G, 85X2, MASTER, 186 AT NARELA.
36	25.12.08	07.07	220KV PANIPAT - NARELA CKT-III	25.12.08	16.36	CKT. TRIPPED ON 30G, 85X2, MASTER, 186 AT NARELA.
37	26.12.08	01.30	220KV PANIPAT - NARELA CKT-II	26.12.08	20.07	CKT. TRIPPED ON 186A, 186B, 85YY, 30G, 8X2, 30G AT NARELA.
38	26.12.08	02.07	220KV PANIPAT - NARELA CKT-III	26.12.08	20.07	CKT. TRIPPED ON 30G, 186, 85X2 AT NARELA.
39	26.12.08	03.53	400KV BAWANA - ABDULLAPUR CKT-I	26.12.08	04.20	CKT. TRIPPED ON MAIN-I : DIST PROT `B` PHASE ZONE-I, MAIN-II : DIST PROT `B` PHASE ZONE-II, 85X, 85Y, 186A&B, BOTH CB, 2/AA, 295BC1, (CB-1), FACIA : 1152CB TC-1 & 2 FAULTY, 1152 CB AUTO TRIP, 1152CB AUTO RECLOSE.
40	26.12.08	04.13	400KV BAWANA - ABDULLAPUR CKT-II	26.12.08	04.33	BREAKER NO.1452 OF 400KV BAWANA - ABDULLAPUR CKT-II TRIPPED WHILE AUTO RECLOSED OPERATED ON BREAKER NO.1352.
41	26.12.08	05.00	400KV BAWANA - ABDULLAPUR CKT-I	26.12.08	05.45	THE FOLLOWING RELAY OCCURRED AT BAWANA END MAIN-I : DIST PROT `ABC` ZONE-I MAIN-II : DIST PROT `C` PH ZONE-I, 85Y, TIME RELAY: 2/AA, 186AB ON BOTH CB. CKT. TRIED TO CLOSE AT 05.08HRS. BUT COULD NOT HOLD AT ABDULLA PUR. CKT. FINALLY CHARGED AT 05.45HRS.
42	26.12.08	07.00	400KV BAWANA - ABDULLAPUR CKT-II	26.12.08	07.15	CKT. TRIPPED ON DIST PROT `A` PHASE ZONE-I ON MAIN-I & II, 186A&B, 2/AA, 85Y AT BAWANA.
43	26.12.08	08.16	400KV BAWANA - ABDULLAPUR CKT-II	26.12.08	08.23	THE FOLLOWING RELAY OCCURRED AT BAWANA END MAIN-I : 85Y MAIN-II : DIST PROT `A` PHASE ZONE-I, 85Y, 186A&B, 2/AA BOTH CB.
44	26.12.08	06.18	400KV BAWANA - ABDULLAPUR CKT-I	26.12.08	07.14	CKT. TRIPPED ON MAIN-I : DIST PROT `C` PH. ZONE-I, 85X MAIN-II : DIST PROT `C` PHASE ZONE-I, 85Y, 186A&B, 2/AA BOTH CB.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
45	29.12.08	00.13	400KV BAWANA – ABDULLAPUR CKT-I	29.12.08	00.45	CKT. TRIPPED ON MAIN-I & II : CNZ-I, 186A, 186B AT BAWANA END.
46	29.12.08	01.42	220/66KV 100MVA PR. TR.-I AT WAZIRABAD	29.12.08	17.56	TR. TRIPPED ON 86, 64RLV, INSTANTANEOUS E/F ALONG WITH 66KV I/C-I WHICH TRIPPED ON E/F
47	29.12.08	02.48	400KV BAWANA – ABDULLAPUR CKT-I	29.12.08	03.13	CKT. TRIPPED ON MAIN-I : CNZ-I, MAIN-I CNZ-I, 85Y, 186A, 186B, 295BC1, 195AC1 ON CB-1152 2/AB, 2/AA2 AT BAWANA.
48	29.12.08	03.17	220KV BAWANA – SHALIMAR BAGH CKT-II	29.12.08	11.36	CKT. TRIPPED ON DIST PROT `C` PHASE, 186A&B AT SHALIMAR AND ON DIST PROT `C` PHASE, 186A&B AT BAWANA.
49	29.12.08	03.17	220KV MANDOLA – WAZIRABAD CKT-I	29.12.08	16.02	CKT. TRIPPED ON DIST PROT `B` PHASE ZONE-I, 86RYB, 186A&B AT MANDOLA AND ON RXME18, GENERAL TRIP, DIST PROT `RYB` PHASE ZONE-II, AUTO RECLOSE LOCK OUT AT WAZIRABAD.
50	29.12.08	03.32	220KV BAWANA – NAJAFGARH CKT-II	29.12.08	18.02	CKT. TRIPPED ON DIST PROT `A` PHASE, 186, 186 AT NAJAFGARH AND ON DIST PROT `A` PHASE ZONE-I AT BAWANA.
51	29.12.08	03.48	220KV MANDOLA – WAZIABAD CKT-IV	29.12.08	04.01	CKT. TRIPPED ON DIST ROT `Y` PHASE ZONE-II AT MANDOLA AND ON RXME18, DIST PROT `RYB` PHASE ZONE-II, AUTO RECLOSE LOCK OUT AT WAZIRABAD.
52	29.12.08	04.15	220KV MANDOLA – GOPALPUR CKT-II	29.12.08	21.53	CKT. TRIPPED ON DIST PROT `Y` PHASE ZONE-I AT MANDOLA AND ON DIST PROT `RYB` PH. ZONE-I AT GOPALPUR. CKT. TRIED TO CLOSE AT 04.17HRS BUT COULD NOT HOLD AND TRIPPED AGAIN ON SAME FAULT AT GOPALPUR. CKT. FINALLY CHARGED AT 21.53HRS.
53	29.12.08	04.32	220KV BAWANA – BAMNAULI CKT-II	29.12.08	04.43	CKT. TRIPPED ON MAIN-I : CNZ-I, MAIN-II CNZ-I, 186A, 186B AT BAWANA. NO TRIPPING AT BAMNAULI.
54	29.12.08	05.14	220KV PANIPAT – NARELA CKT-III	29.12.08	15.20	CKT. TRIPPED ON 30C, 30G, 30, 85X2, 186 AT NARELA.
55	29.12.08	06.00	220KV BTPS – MEHRAULI CKT-I	29.12.08	06.08	CKT. TRIPPED ON 186, 186, E/F AT MEHRAULI.
56	29.12.08	06.00	220/66KV 100MVA PR. TR.-III AT MEHRAULI	29.12.08	06.10	TR. TRIPPED ON E/F ALONG WITH 66KV I/C-I & III WHICH TRIPPED ON 51BX, 64X AND 51B, O/C, BX RESPECTIVELY.
57	29.12.08	08.05	220KV MANDOLA – NARELA CKT-I	29.12.08	09.35	CKT. TRIPPED ON DIST PROT `B` PHASE ZONE-I AT MANDOLA AND ON DIST PROT `C` PHASE AT NARELA
58	30.12.08	04.50	220KV BAWANA – ROHINI CKT-I	30.12.08	17.45	CKT. TRIPPED ON DIST PROT `A` PHASE ZONE-II, AUTO RECLOSE LOCK OUT AT BAWANA. NO TRIPPING AT ROHINI.
59	30.12.08	05.45	220KV PANIPAT – NARELA CKT-II	30.12.08	07.20	CKT. TRIPPED ON 30G, 186A&B AT NARELA.
60	30.12.08	16.18	66/11KV 20MVA PR. TR. AT PAPPANKALAN-II	30.12.08	19.10	TR.T RIPPED ON L-8 `R` PHASE, L-9 `Y` PHASE, LV PROTECTION, MASTER 86, BACK UP PROTECTION, DIFFERENTIAL.

**17.10 DETAILS OF TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH
JANUARY 2009**

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.01.09	01.42	220KV PANIPAT – NARELA CKT-II	12.02.09	17.38	CKT. TRIPPED ON 30G AT NARELA. CONTROL CABLE DAMAGED AT NARELA.
02	01.01.09	02.18	220KV PANIPAT – NARELA CKT-III	01.01.09	03.39	CKT. TRIPPED ON 30G, MASTER RELAY, 85X2 AT NARELA.
03	01.01.09	09.16	220KV NAJAFGARH – BAWANA CKT-I	01.01.09	09.30	CKT. TRIPPED ON DIST PROT `C` PHASE ZONE-II AT BAWANA. NO TRIPPING AT NAJAFGARH.
04	02.01.09	10.45	220KV RPH – IP CKT-I	02.01.09	11.47	CKT. TRIPPED DUE TO MOVEMENT OF MONKEY ON THE 33KV BAY-18 WHICH WAS CONNECTED WITH 75MVA PR. TR. 100MVA PR. TR. WAS UNDER PLANNED SHUT-DOWN AT RPH. ALL THE RUNNING UNITS AT RPH ALSO TRIPPED.
05	02.01.09	15.16	220KV RPH – IP CKT-II	02.01.09	16.04	CKT. TRIPPED WITHOUT INDICATION AT IP. CKT. TRIED TO CLOSE AT 15.55HRS. BUT COULD NOT HOLD.
06	04.01.09	04.12	220KV PATPARGANJ – GEETA COLONY CKT-II	04.01.09	04.34	CKT. TRIPPED ON E/F, 86 AT PATPARGANJ.
07	04.01.09	04.12	220KV PATPARGANJ – IP CKT-I & II	04.01.09	04.44	THE FOLLOWING TRIPPING OCCURRED: AT PATPARGANJ IP CKT-I & II : E/F, 86 AT IP PATPARGANJ CKT-I & II : DIST PROT ZONE-I, 86X, 186 CKT-I & II CHARGED AT 04.24HRS. AND 04.43HRS. AT PATPARGANJ.
08	04.01.09	04.50	220KV PATPARGANJ – IP CKT-II	04.01.09	17.54	CKT. TRIPPED ON DIST PROT ZONE-II ALL PHASE, 86 AT IP AND ON DIST PROT `C` PHASE ZONE-I AT PATPARGANJ.
09	05.01.09	06.30	33/11KV 20MVA PR. TR.-I AT SHALIMAR BAGH	05.01.09	15.07	TR. TRIPPED ON DIFFERENTIAL, 86
10	07.01.09	11.05	66/11KV 20MA PR. TR. AT PAPPANKALAN-II	07.01.09	12.05	TR. TRIPPED ON L-3M `R` PHASE, L-4 `Y` PHASE, L-5 `B` PHASE, L-7 TRIP, LBB PROTECTION, MASTER RELAY, BACK UP PROTECTION.
11	10.01.09	00.25	220KV MAHARANI BAGH – LODHI ROAD CKT-I	10.01.09	00.58	CKT. TRIPPED ON DIST PROT ZONE-I AT MAHARANI BAGH. NO TRIPPING AT LODHI ROAD.
12	10.01.09	07.47	220KV BAWANA – ROHINI CKT-I	10.01.09	16.10	CKT. TRIPPED N DIST PROT `B` PH. 21Q, 186A, 186B AT BAWANA. NO TRIPPING AT ROHINI. CKT. TRIED TO CLOSE AT 08.10HRS BUT CKT DID NOT HOLD.
13	10.01.09	09.02	220KV BTPS – OKHLA CKT-I	10.01.09	14.05	CKT. TRIPPED ON 86T, 86T, 67NX, E/F, AUTO RECLOSE LOCK OUT, 195AC, 195BC, 195CC AT OKHLA. CKT. TRIED TO CLOSE AT 09.05HRS. BUT AGAIN TRIPPED ON SAME INDICATIONS. CKT. FINALLY CHARGED AT 14.05HRS.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
14	11.01.09	11.45	220KV BTPS – MEHRAULI CKT-I	11.01.09	15.25	CKT. TRIPPED ON 75, 75B, E/F AT MEHRAULI. CKT. TRIED TO CLOSE AT 14.57HRS. BUT DID NOT HOLD. CKT. FINALLY CHARGED AT 15.25HRS.
15	11.01.09	16.37	220KV SHALIMAR BAGH – ROHINI CKT-I	11.01.09	16.50	CKT. TRIPPED ON DIST PROT `AB` PHASE AT ROHINI
16	11.01.09	17.38	220KV WAZIRABAD – GEETA COLONY CKT-II	11.01.09	17.55	CKT. TRIPPED ON RXME18, DIST PROT `RYB` PHASE AT WAZIRABAD AND ON ACTIVE GROUP-I, DIST PROT ABC` PHASE ZONE-I AT GEETA COLONY
17	13.01.09	16.55	220/66KV 100MVA PR. TR.-III AT NARELA	13.01.09	17.04	TR. TRIPPED ON LOW AIR PRESSURE.
18	13.01.09	16.55	220KV MAHARANI BAGH – SARITA VIHAR CKT	13.01.09	17.19	CKT. TRIPPED ON DIST PROT `BC` PHASE, ZONE-I AT SARITA VIHAR. CKT. TRIPPED ON DIST PROT `Y&B` PHASE, 86A, 86B, AUTO RECLOSE LOCK OUT, 85 AT MAHARANI BAGH.
19	13.01.09	16.55	220KV MAHARANI BAGH – PRAGATI CKT.	13.01.09	17.08	CKT. TRIPPED ON O/C AT MAHARANI BAGH.
20	14.01.09	15.14	220KV WAZIRABAD – GEETA COLONY CKT-II	14.01.09	15.28	CKT. TRIPPED ON RXME18, REL511, GENERALT RIP, AT WAZIRABAT AND ON DIST PROT ABC` PHASE, ZONE-I AT KASHMIRI GATE
21	15.01.09	11.26	220/66KV 100MVA PR. TR.-IV AT PAPPANKALAN-I	15.01.09	18.50	TR. TRIPPED ON O/C, E/F, 86A, 86B ALONG WITH 66KV I/C-IV WHICH TRIPPED ON INTER TRIPPING. 66KV I/C- III ALSO TRIPPED ON E/F.
22	15.01.09	20.24	400KV BAWANA – SHALIMAR BAGH CKT- I	15.01.09	21.00	CKT. TRIPPED ON DIST PROT `BC` PHASE ZONE-II, 86A, 86B AT BAWANA. NO TRIPPING AT SHALIMAR BAGH
23	16.01.09	11.30	220KV SHALIMAR BAGH – ROHINI CKT-II	16.01.09	11.45	CKT. TRIPPED WITHOUT INDICATION AT ROHINI.
24	16.01.09	11.30	220/66KV 100MVA PR. TR.-III AT ROHINI	16.01.09	11.45	TR. TRIPPED ON 96, BUS BAR PROT, 186A&B.
25	16.01.09	16.05	220/33KV 100MVA PR. TR.-II AT SUBZI MANDI	16.01.09	17.15	TR. TRIPPED ON 86 ALONG WITH 33KV I/C-II.
26	17.01.09	07.00	220KV MANDOLA – GOPALPUR CKT-I	17.01.09	07.39	CKT. TRIPPED ON DIST PROT `A` PHASE ZONE-I AT MANDOLA. NO TRIPPING AT GOPALPUR
27	17.01.09	08.05	220KV BTPS – OKHLA CKT-I	17.01.09	08.10	CKT. TRIPPED ON O/C, E/F, 86 AT OKHLA.
28	18.01.09	00.04	VARIOUS TRIPPINGS IN DTL SYSTEM	18.01.09		DETAILED REPORT IS ENCLOSED AT SR. NO. `F`
29	18.01.09	12.04	220KV BTPS – OKHLA CKT-I	18.01.09	12.45	CKT. TRIPPED ON 86T, 86T, 67NX, E/F AT OKHLA.
28	18.01.09	12.04	66/11KV 20MVA PR. TR.-II AT OKHLA	18.01.09	13.45	TR. TRIPPED ON 51NX, E/F.

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
29	19.01.09	00.01	220/33KV 100MVA PR. TR.-I & IV AT PATPARGANJ	19.01.09	00.25	100MVA PR. TR.-I TRIPPED ON E/F, 86, 86 ALONG WITH 33KV I/C-I WHICH TRIPPED ON E/F. 220/33KV 100MVA PR. TR.-IV TRIPPED ON 86B, 51N, E/F ALONG WITH 33KV I/C-IV WHICH TRIPPED ON E/F. 33KV I/C-I & IV CHARGED AT 00.22HRS. AND 00.25HRS. 33KV CB OF 33KV GEETA COLONY CKT FLASHED.
30	19.01.09	00.01	220KV PATPARGANJ – IP CKT-I	19.01.09	00.22	CKT. TRIPPED ON E/F, 186 AT IP.
31	19.01.09	10.18	220KV SHALIMAR BAGH – BAWANA CKT-II	19.01.09	10.25	CKT. TRIPPED ON DIST PROT `A` PHASE AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.
32	20.01.09	05.10	66/11KV 20MVA PR. TR-I AT VASANT KUNJ	19.01.09	14.04	TR. TRIPPED ON BUCHLOZ.
33	20.01.09	17.08	220KV GOPALPUR – SUBZI MANDI CKT-II	20.01.09	17.20	CKT. TRIPPED ON DIST PROT `RYB` PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
34	21.01.09	11.35	220KV BTPS –NOIDA - GAZIPUR CKT	21.01.09	16.55	CKT. TRIPPED ON E/F AT GAZIPUR.
35	21.01.09	11.35	220/66KV 100MVA PR. TR.-I & II AT GAZIPUR	21.01.09	16.55	TR-I TRIPPED ALONG WITH 66KV I/C-I & II WHICH TRIPPED ON 51N, 86 AND 51A, 51N, 86 RESPECTIVELY. 66KV I/C-I & II CHARGED AT 16.35HRS. AND 12.20HRS. RESPECTIVELY.
36	21.01.09	14.35	220KV BTPS –NOIDA - GAZIPUR CKT	21.01.09	15.03	CKT. TRIPPED ON E/F AT BTPS.
39	22.01.09	14.19	400/220KV 315MVA ICT-IV AT BAWANA	31.01.09	15.20	ICT-IV TRIPPED ON 86A, GROUP-`A`, 30F, OLTC BUCHLOZ, `C` PHASE TRIP.
40	23.01.09	04.35	220/66KV 100MVA PR. TR.-I AT WAZIRABAD	23.01.09	06.00	TR. TRIPPED ON 64REF, E/F, 51, 86.
41	25.01.09	14.48	220KV WAZIRABA – KASHMIRI GATE CKT-II	25.01.09	19.18	CKT. TRIPPED ON RXME18, DIST PROT `RYB` PHASE AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE
42	26.01.09	13.18	220KV MAHARANI BAGH – PRAGATI CKT.	26.01.09	13.36	CKT. TRIPPED ON DIST PROT `RYB` PHASE ZONE-I AT MAHARANI BAGH AND ON DIST PROT `A` PHASE ZONE-I AT PRAGATI.
43	26.01.09	13.18	220/66KV 160MVA PR. TR. AT PRAGATI (GT)	26.01.09	13.50	TR. TRIPPED AT 66KV SIDE.
44	30.01.09	14.00	220/33KV 100MVA PR. TR.-I & II AT PARK STREET	30.01.09	14.35	100MVA PR. TR.-I TRIPPED ON DIFFERENTIAL AND 100MVA PR. TR.-II TRIPPED ON 86. TR.-I & II CHARGED AT 14.30HRS. AND 14.35HRS.
45	30.01.09	15.07	220/66KV 100MVA PR. TR.-I AT WAZIRABAD	30.01.09	22.00	TR. TRIPPED ON RESTRICTED E/F, ALONG WITH 66KV I/C-I WHICH TRIPPED ON E/F, 86.
46	31.01.09	13.55	400KV BAWANA – ABDULLAPUR CKT-I	31.01.09	14.14	CKT. TRIPPED ON MAIN-I ACZ-1, MAIN-II, CAZ-I, 186A&B ON BOTH CB AT BAWANA.

17.11 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH FERUARY 2009

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.02.09	15.13	220KV WAZIRABAD-KASHMIRI GATE CKT-II	01.02.09	19.30	CKT. TRIPPED ON RXME18, AUXILIARY RELAY 'RYB' PHASE GENERAL TRIP GFC-STFW L1L2L3 AT WAZIRABAD
02	01.02.09	17:20	220KV MANDOLA-SOW CKT-IV	01.02.09	17:50	AT SOW CKT TRIPPED ON DIST. PROT. ZONE-I, RXME-18, 3-Φ TRIP. AT MANDOLA CKT TRIPPED ON Φ TO Φ FAULT, Y&B-Φ
03	02.02.09	08.13	66/11KV 20MVA PR. TR.-I AT WAZIRABAD	02.02.09	21.10	TR. TRIPPED ON DIFFERENTIAL ALONG WITH 11KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
04	02.02.09	10:15	220KV BTPS-NOIDA-GAZIPUR CKT	02.02.09	16:35	AT GAZIPUR CKT TRIPPED ON O/C, E/F NO TRIPPING AT BTPS
05	05.02.09	07:10	22KV OKHLA-BTPS CKT-I	05.02.09	07:16	AT OKHLA CKT TRIPPED ON E/F NO TRIPPING AT BTPS
06	08.02.09	14:44	220KV BTPS-NOIDA-GAZIPUR CKT	08.02.09	15:11	AT GAZIPUR CKT TRIPPED ON DIRECTIONAL E/F ALONG WITH 66KV I/C-I&II AND KONDLI CKT NO TRIPPING AT BTPS
07	09.02.09	08:01	400KV BAWANA – HISSAR CKT	09.02.09	19:25	AT BAWANA CKT TRIPPED ON INTER TRIPPING
08	10.02.09	14:27	220KV MANDOLA – GOPALPUR CKT-I	10.02.09	15:02	AT MANDOLA CKT TRIPPED ON DIST. PROT. ZONE-2, Y&B-Φ, 186A&B
09	10.02.09	15.47	220KV GOPALPUR – SUBZI MANDI CKT-I	10.02.09	15.52	CKT. TRIPPED ON DIST PROT ZONE-I 'RYB' PHASE AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
10	11.02.09	02:52	400KV BAWANA – BAMNAULI CKT-I	11.02.09	04:09	AT BAMNAULI CKT TRIPPED ON DIST. PROT. MAIN-I, BN ZONE-I, AUTO RECLOSE LOCK OUT. AT BAWANA CKT TRIPPED ON DIST. PROT. ZONE-I, BNZ-I
11	11.02.09	03:50	400KV BAWANA – BAMNAULI CKT-II	11.02.09	04:09	AT BAMNAULI CKT TRIPPED ON MAIN-I, II, DIST. PROT. C-Φ ZONE-I, 186A&B
12	11.02.09	12:40	400KV BAWANA – ABDULLAPUR CKT -II	11.02.09	15:51	AT BAWANA CKT TRIPPED ON MAIN-I, 3-Φ TRIP, ZONE-2, 85X, MAIN-II, 3-Φ TRIP, BOTH BREAKER, 186A&B
13	11.02.09	04.15	220/66KV 100MVA PR TR.-I & II AND 220/33KV 100MVA PR. TR.-I & II AT PARK STREET	11.02.09	05.05	ALL TRANSFORMERS TRIPPED ON 86. 220/66KV 100MVA PR. TR.-I & II CHARGED AT 05.05HRS AND 04.50HRS RESPECTIVELY. 220/33KV TR-I & II CHARGED AT 08.30 HRS. AND 04.50HRS RESPECTIVELY.
14	11.02.09	12:40	400KV BAWANA – ABDULLAPUR CKT -II	11.02.09	15:51	AT BAWANA CKT TRIPPED ON MAIN-I, 3-Φ TRIP, ZONE-2, 85X, MAIN-II, 3-Φ TRIP, BOTH BREAKER, 186A&B
15	12.02.09	09.55	220/66KV 160MVA PR. TR. AT PRAGATI	12.02.09	15.30	TR. TRIPPED ON 30A, 86.
16	12.02.09	22.24	220KV BAMNAULI – MEHRAULI CKT-II	13.02.09	06.32	CKT. TRIPPED ON 186, 86 AT BAMNAULI AND ON 186 AT MEHRAULI END.
17	14.02.09	10:56	220KV OKHLA-BTPS CKT-I	14.02.09	10:58	AT OKHLA CKT TRIPPED ON 67NX, 86A&B. NO TRIPPING AT BTPS

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
18	14.02.09	18.00	220KV PATPARGANJ – GEETA COLONY CKT-I	14.02.09	18.13	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT 'ABC' PH ZONE-I AT GEETA COLONY AND ON ACTIVE GROUP, DIST PROT ABC' PH ZONE-I AT PATPARGANJ.
19	15.02.09	05:12	220KV OKHLA-BTPS CKT-II	15.02.09	05:22	AT OKHLA CKT TRIPPED ON 86T, 67NX NO TRIPPING AT BTPS
20	16.02.09	13:53	220KV MANDOLA – SOW CKT-IV	16.02.09	14:12	AT SOW CKT TRIPPED ON RXME-18, 3-Φ TRIP, DIST. PROT. ZONE-I AT MANDOLA CKT TRIPPED ON DIST. PROT. ZONE-I, B-Φ
21	17.02.09	01.10	220/66KV 100MVA PR. TR.-I AND 220/33KV 100MVA PR. TR.-I & II AT PARK STREET	18.02.09	01.25	220/66KV 100MVA PR. TR. TRIPPED ON 86A, 86A ALONG WITH 66KV I/C-I WHICH TRIPPED WITHOUT INDICATION 220/33KV 100MVA PR. TR.-I TRIPPED ON 87A, 87TA, 87TB, 86A, 86 AND 220/33KV 100MVA PR. TR.-II TRIPPED ON 86A, 86.A. 33KV I/C-I & II ALSO TRIPPED WITHOUT INDICATION. 220/66KV 100MVA PR. TR-I CHARGED AT 01.20HRS AND 220/33KV 100MVA PR. TR.-I & II CHARGED AT 01.15HRS. (18.02.09) AND 01.25HRS RESPECTIVELY.
22	17.02.09	13.27	220/66KV 100MVA PR. TR.-I AND 220/33KV 100MVA PR. TR.-II AT PARK STREET	17.02.09	13.35	BOTH TRANSFORMERS TRIPPED ON 86A. BOTH TRANSFORMERS CHARGED AT 13.35HRS.
23	17.02.09	17.17	220KV PATPARGANJ – IP CKT-I	17.02.09	21.48	CKT. TRIPPED ON DIST PROT 'ABC' PHASE ZONE-I AT PATPARGANJ AND ON E/F, 186 AT IP. CKT. TRIED TO CLOSE AT 17.40HRS BUT DID NOT HOLD
24	17.02.09	17.17	220KV PRAGATI – IP CKT-I	17.02.09	17.36	CKT. TRIPPED ON 86T, 86T AT PRAGATI.
25	17.02.09	17.40	220KV GEETA COLONY – PATPARGANJ CKT-I	17.02.09	17.54	CKT. TRIPPED ON DIST PROT ABC' PHASE ZONE-II, 86, 30E, O/C/ E,F AT GEETA COLONY.
26	17.02.09	17.40	220KV WAZIRABAD – GEETA COLONY CKT-I	17.02.09	17.50	CKT. TRIPPED ON RXME18, REL511, DIST PROT 'RYB' PHASE, AUTO RECLOSE LOCK OUT AT WAZIRABAD.
27	17.02.09	19.40	220KV BAWANA – NARELA CKT-I	17.02.09		CKT. TRIPPED ON DIST PROT 'RYB' PHASE, 86, 21X AT BAWANA.
28	17.02.09	20.45	220/33KV 100MVA PR. TR.-I & II AT PARK STREET	18.02.09	01.15	220/33KV 100MVA PR. TR.-I TRIPPED ON DIFFERENTIAL RELAY AND TR.-II TRIPPED ON REF LV. BOTH TRANSFORMERS CHARGED AT 01.15HRS. ON 18.02.2009.
29	17.02.09	22.18	220/66KV 160MVA PR. TR. AT PRAGATI	18.02.09	02.38	TRANSFORMER TRIPPED ON 86, 87.
28	18.02.09	04.46	220/66KV 160MVA PR. TR. AT PRAGATI	18.02.09	14.58	TR. TRIPPED ON 86, 87.
29	19.02.09	16.58	220/33KV 100MVA PR. TR.-I AT PATPARGANJ	19.02.09	17.12	TR. TRIPPED WITHOUT INDICATION.
30	20.02.09	05.35	220/33KV 100MVA PR. TR.-II AT OKHLA	20.02.09	15.20	TR. TRIPPED WITHOUT INDICATION.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	21.02.09	17.04	220KV IP – PRAGATI CKT-I & II	21.02.09	17.30	220KV IP – PRAGATI CKT-I & II TRIPPED ON 6T AND 30C ½ RESPECTIVELY AT PRAGATI GRID. CKT.-I & II CHARGED AT 17.30HRS. AND 17.27HRS RESPECTIVELY.
32	21.02.09	17.04	220KV PRAGATI – PARK STREET CKT-II	21.02.09	17.30	SUPPLY FAILED FROM PRAGATI. NO TRIPPING AT PARK STREET.
33	23.02.09	08:47	220KV OKHLA-BTPS CKT-I	23.02.09	09:00	AT OKHLA CKT TRIPPED ON 86T, 67NX NO TRIPPING AT BTPS
34	23.02.09	14:20	220KV OKHLA-BTPS CKT-I	23.02.09	14:24	AT OKHLA CKT TRIPPED ON 86T, 67NX NO TRIPPING AT BTPS
35	24.02.09	08.55	66/11KV 20MVA PR. TR.-III AT PAPPANKALAN-I	24.02.09	14.50	TR. TRIPPED ON DIFFERENTIAL, O/C 'RYB' PHASE, 86 ALONG WITH 11KV I/C-I WHICH TRIPPED ON E/F.
36	25.02.09	18:20	220KV OKHLA-BTPS CKT-I	25.02.09	18:23	AT OKHLA CKT TRIPPED ON 86T, 67NX NO TRIPPING AT BTPS
39	27.02.09	07.12	220KV BAMNAULI – PAPPANKALAN-II CKT-I	08.03.09	22.45	CKT. TRIPPED ON DIST PROT 'B&C' PHASE AT BAMNAULI AND ON DIST PROT 'A&B' PHASE 186A&B AT PAPPANKALAN-II. CKT TRIED TO CLOSE AT 07.20HRS. BUT DID NOT HOLD. IT WAS INFORMED THAT THE TOWER NO.45 & 46 FELL DOWN
470	27.02.09	11.15	220KV IP – RPHG CKT-II	27.02.09	21.35	BUS DIFFERENTIAL OPERATED ON 220KV BUS-I & II AT RPH.

17.12 DETAILS OF 400/220KV BREAKDOWN/TRIPPINGS OCCURRED IN DTL SYSTEM DURING THE MONTH MARCH – 2009

SLN O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	07.03.09	07.35	66/11KV 20MVA PR. TR.-I AT NAJAFGARH	07.03.09	08.40	TR. TRIPPED ON 95C ALONG WITH 11KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
02	10.03.09	16.24	220KV IP – RPH CKT-I	10.03.09	16.56	CKT. TRIPPED ON DIST PROT ZONE-II, CB AUTO RECLOSED, LOCK OUT, 86A, 86B, 86C, 86T, 186 AT RPH AND ON DIST PROT 'ABC' PHASE ZONE-I, 186A&B, AUTO RECLOSE LOCK OUT AT IP.
03	10.03.09	18.09	220KV BAMNAULI – MEHRAULI CKT-I & II	10.03.09	18.11	220KV BAMNAULI CKT-I TRIPPED ON 86A, 86B AND CKT-II TRIPPED ON 186 AT MEHRAULI. NO TRIPPING AT BAMNAULI
04	10.03.09	19.38	220KV GOPALPUR – SUBZI MANDI CKT-I	10.03.09	19.46	CKT. TRIPPED ON DIST PROT 'RYB' PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
05	10.03.09	14.48	220KV MANDOLA – NARELA CKT-I	10.03.09	16.40	CKT. TRIPPED ON A'PH, 186 AT NARELA AND ON 67NX, E/F AT MANDOLA.
06	14.03.09	13.36	220KV WAZIRABAD – KASHMIRI GATE CKT-I	14.03.09	14.27	CKT. TRIPPED ON RXME18, DIST PROT 'RYB' PHASE AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE.
07	17.03.09	21.39	220KV MEHRAULI – VASANT KUNJU CKT-I	17.03.09	21.40	CKT. TRIPPED DUE BUS DIFFERENTIAL OPERATION AT MEHRAULI
08	17.03.09	21.39	220/66KV 100MVA PR. TR.-III AT MEHRAULI	17.03.09	22.15	TR. TRIPPED DUE TO BUS DIFFERENTIAL OPERATION AT MEHRAULI
09	18.03.09	15.18	220KV GOPALPUR – SUBZI MANDI CKT-II	18.03.09	15.23	CKT. TRIPPED ON DIST PROT 'RYB' PHASE, ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
10	18.03.09	20.28	220KV BTPS – NOIDA – GAZIPUR CKT.	18.03.09	23.20	CKT. TRIPPED WITHOUT INDICATION AT GAZIPUR.
11	18.03.09	20.28	220/66KV 100MVA PR. TR.-I AT GAZIPUR	18.03.09	23.20	TR. TRIPPED ON HIGH SPEED TRIPPING RELAY.
12	18.03.09	22.46	220KV MANDOLA – GOPALPUR CKT-II	18.03.09	23.30	CKT. TRIPPED ON DIST PROT 'RYB' PH ZONE-II AT MANDOLA AND ON DIST PROT 'YB' PH. ZONE-I AT GOPALPUR.
13	18.03.09	22.56	220KV MANDOLA – GOPALPUR CKT-I	19.03.09	16.05	CKT. TRIPPED ON DIST PROT 'B' PHASE ZONE-I AT MANDOLA AND ON DIST PROT 'RYB' PHASE ZONE-I AT GOPALPUR. CKT. TRIED TO CLOSE AT 23.07HRS. BUT DID NOT HOLD. FINALLY CKT. COULD BE CHARGED AT 16.05HRS. ON 19.03.2009 AS THE 'R' PH JUMPER SNAPPED AT TOWER NO.323A.
14	21.03.09	13.35	220KV BTPS – NOIDA – GAZIPUR CKT.	21.03.09	14.10	CKT. TRIPPED ON 'R' PHASE E/F AT BTPS END. NO TRIPPING AT GAZIPUR.
15	22.03.09	13.45	220/66KV 100MVA PR. TR.-III AT DSIDC BAWANA	22.03.09	15.55	TR. TRIPPED ON TRANSFORMER TROUBLE RELAY, LOW OIL PRESSURE, LOW WINDING TEMP. ALARM, 86ABC, 30B, 30C, 30H, 30J.
16	23.03.09	06.20	33/11KV 16MVA PR. TR.-II AT GOPALPUR	23.03.9	08.10	TR. TRIPPED O OLTC BUCHOZ, OIL TEMP ALARM

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
17	23.03.09	16.55	220KV GEETA COLONY – PATPARGANJ CKT-II	23.03.09	17.09	CKT. TRIPPED ON DIST PROT 'ABC' PHASE ZONE-I AT GEETA COLONY AND ON DIST PROT ABC' PHASE ZONE-I AT PATPARGANJ.
18	24.03.09	12.20	33/11KV 20MVA PR. TR. AT KASHMIRI GATE	24.03.09	15.25	TR. TRIPPED ON AUTO RECLOSE, MASTER RELAY
19	24.03.09	15.05	220KV SHALIMAR BAGH – ROHINI CKT-I	24.03.09	15.13	CKT. TRIPPED ON DIST PROT 'AB' PHASE AT ROHINI. NO TRIPPING AT SHALIMAR BAGH.
20	24.03.09	18.02	220KV MANDOLA – WAZIRABAD CKT-	24.03.09	18.40	CKT. TRIPPED ON DIST PROT, CB AUTO TRIP AT MANDOLA AND ON RXME18, DIST PROT 'RYB' PHASE AT WAZIRABAD.
21	25.03.09	16.52	66/11KV 20MVA PR. TR.- AT NAJAFGARH	25.03.09	16.55	TR. TRIPPED ON DUE TO TRIPPING OF 11KV O/G PUMPING STATION FEEDER WHICH TRIPPED ON E/F
22	28.03.09	10.20	220KV MANDOLA – WAZIRABAD CKT-III	28.03.09	10.56	CKT. TRIPPED ON DIST PROT 'R&Y' PHASE AT MANDOLA AND ON GENERAL TRIP, DIRECTIONAL E/F, 67N AT WAZIRABAD. FLASH OCCURRED ON 'Y' PH CT CLAMP AT WAZIRABAD
23	28.03.09	21.12	220/33KV 100MVA PR. TR.-I AT PARK STREET	28.03.09	23.33	TR. TRIPPED ON DIFFERENTIAL.
24	30.03.09	06.48	400KV BAWANA – ABDULLAPUR CKT-II	30.03.09	14.54	400KV BREAKER NO.1352 OF 400KV ABDULLAPUR CKT-II TRIPPED CB AUTO TRIP, 52X ₁ (POLE DISCREPANCY), 186A, 186B, 2/AA1 AT BAWANA.
25	31.03.09	13.24	VARIOUS TRIPPING IN DELHI SYSTEM	31.03.09		DETAILED REPORT ENCLOSED.

18 MAJOR TRIPPING DETAILS OF 400/200KV SYSTEM IN DELHI POWER SYSTEM IN 2008-09

A) DETAILS OF TRIPPINGS OCCURRED ON 14.05.2008 IN DELHI SYSTEM

(A) **400 kV Bamnauli Sub station:**

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220KV PPK-II CKT-II	DIST. PROT. ZONE-I, B- Φ , 186A&B	09.50	09.58	FEEDER WAS NO LOAD .

(B) **220kV PAPPANKALAN-II Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV BAMNAULI CKT- II	SUPPLY FAILED	09:50	12:05	
2	220/66KV 100MVA TX-I	LBB	11.04	11.20	

(C) **220kV SARITA VIHAR Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV MAHARANI BAGH CKT-I	AUTO RECLOSE LOCK OUT, DIST. PROT.ZONE-I, A- Φ , 186A&B	09:59	10:35	FAULT LOCATION 5.157 KM.
2	220kV MAHARANI BAGH CKT-II	DIST. PROT.ZONE-I, R- Φ , 186A&B	09:59	11:32	FAULT LOCATION 6.731 KM.
3	220/66KV 100MVA TX-I	MADE OFF	11.34	16.25	

(D) **220kV PRAGATI Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV SARITA VIHAR CKT-I	DIST. PROT. ZONE-I, 186	10:08	10:35	FAULT LOCATION 2.531 KM.

(E) **220kV NAJAFGARH Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220KV BAMNAULLI CKT- II	186	09:50	09:58	
2	66kV BODELLA --II CKT- II	DIST.PROT.ZONE-3,86 X-I	09:50	11.40	

(F) **220kV I.P.Station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV PRAGATI S/STN CKT-I	DIST. PROT.ZONE-I, 186	10:08	10:35	FAULT LOCATION 2.531 KM.
2	220kV PRAGATI S/STN CKT-II	DIST. PROT.ZONE-I, 186	10:08	10:35	FAULT LOCATION 2.531 KM.

(G) **220kV .Park.Street- Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV PRAGATI S/STN CKT-II	SUPPLY FAILED	10:18	11:15	

(H) **220kV Gopalpur Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV MANDOLA CKT-II	SUPPLY FAILED	10:20	11.55	

(I) 220kV Subzimandi Sub station

S.No	Name of the feeder/Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220KV GOPALPUR CKT-I	SUPPLY FAILED	10.20	11.00	
2	220/33KV 100MVA TX-II	PRV, 86	11.55	15.32	

(J) 220kV Okhla Sub station

S.No	Name of the feeder/Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	66KV MALVIYA NAGAR CKT-I	DIST. PROT. ZONE-I, 86X1	10.10	21.50	
2	66KV MALVIYA NAGAR CKT-II	67NX	10.10	21.50	
3	33KV NEHRU PLACE CKT-I	O/C, E/F	10.08		Still under breakdown due to damage if 33kV tower
4	33KV NEHRU PLACE CKT-II	O/C	10.08		--do--
5	66KV MALVIYA NAGAR CKT-III	95C, DIST. PROT. 86X1	10.25	16.27	

(K) 220kV Vasantkunj Sub station

S.No	Name of the feeder/Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	66KV RIDGE VALLEY CKT-I	67NX, E/F	10.02	13.15	
2	66KV RIDGE VALLEY CKT-II	67AX, O/C	10.15	10.28	

(L) 220kV Mehrauli Sub station

S.No	Name of the feeder/Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	66KV IOC BIJWASAN CKT	86X1, B-PHASE	10.04	11.20	

(M) 220kV Pappankalan-I Sub station

S.No	Name of the feeder/Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	66KV IOC REWARI LINE CKT	86T, DIST. PROT. A-PHASE	9.50	11.25	

B) DETAILS OF TRIPPINGS OCCURRED ON 18.05.2008 IN DELHI SYSTEM**(A) 220kV Pragati Sub station**

S.No	Name of the feeder/Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Pragati-IP Ckt-II	DIST. PROT. ZONE-I, 86, E/F	12.58	Expected by evening	Ckt-I was already under Shutdown

(B) 220kV Parkstreet Sub station

S.No	Name of the feeder/Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Pragati Ckt-II	Supply Failed	12.58	13.08	

(C) 220kV I.P.Station

S.No	Name of the feeder/Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV PRAGATI CKT-II	DIST. PROT.ZONE-I, E/F, Y-PH.	12.58	Expected by evening.	Ckt-I was already under Shutdown.

(D) 220kV .Patparganj Sub station

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV IP. Ckt-I	E/F, 186	12.58	13.15	
2	220kV IP Ckt-II	E/F, 186	12.58	13.17	
3	220kV Geeta Colony Ckt-II	E/F, 186	12.58	13.05	

C) DETAILS OF TRIPPINGS OCCURRED / OPERATION CARRIED OUT ON 21.05.2008 FOLLOWING THE TRIPPING AT 400kV BAMNAULI S/stn**(a) 400 kV Bamnauli Sub station:**

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
01	400KV BALLABHGARH CKT-I	AT BAMNAULI CB NO. 152, 252 TRIPPED ON AUX. LBB 50Z1X2, AUTO RECLOSE LOCK OUT, 186A&B. AT BALLABH GARH CKT TRIPPED ON 21L, GROUP-A RYB, GROUP-B RYB, MAIN-I CARRIER RECEIVED, MAIN-II CARRIER RECEIVED	01:16	05.43	
02	400KV BALLABHGARH CKT-II	AT BAMNAULI CB NO. 352 TRIPPED ON DIST. PROT. MAIN-I&II, A-N-Z-1 AT BALLABH GARH CKT TRIPPED ON 21L, GROUP-A RYB, GROUP-B RYB, MAIN-I CARRIER RECEIVED, MAIN-II CARRIER RECEIVED	01:16	06.12	The Breaker No. 452 Connected To 400kV Bus-II did not trip. The breaker got normalized at 15.57hrs.
03	400KV BAWANA CKT.- II	CB 1552 TRIPPED ON TRIP ZONE A-96A, AUTO RECLOSE LOCKOUT 186 A&B	01:16	06.17	
04	400KV BAWANA CKT.-I	CB 1752 TRIPPED ON TRIP ZONE A-96A, AUTO RECLOSE LOCKOUT 186 A&B	01:16	19.20	
05	315 MVA AUTO TR. NO II	CB 952,1052 TRIPPED ON TIMER LBB 2/50 Z1, AUX LBB 50ZX2, AUTO RECLOSE LOCKOUT 186 A&B 86A1, 86B1, 96	01:16	04.24	
06	315 MVA AUTO TR. NO III	CB 652 & 752 TRIPPED ON TIMER LBB 2/50 Z AUX LBB 50ZX2, AUTO RECLOSE LOCKOUT 186 A&B 86A1, 86B1, 96	01:16	04.22	
07	315 MVA AUTO TR. NO IV	CB 2352 & 2452 TRIPPED ON TIMER LBB 2/50 Z AUX LBB 50ZX, TRIP RELAY LBB PROT. 50ZXI, AUTO RECLOSE LOCKOUT 186 A&B 86A1, 86B1, 96	01:16	04.43	

400 kV Bamnauli Sub station

S. No	NAME OF THE FEEDER/ TRANSFORMER TRIPPED	RELAY INDICATIONS	Time of tripping in Hrs.	Time of Restoration in Hrs	Remarks
08	220 KV MEHRAULI CKT.-I	WAS IN OFF POSITION		02.22	THE ENTIRE LOAD OF MEHRAULI WAS ON BTPS SUPPLY. THE CKT-I WAS CHARGED FROM MEHRAULI END AND CKT-II WAS REMAINED CHARGED FROM BAMNAULI END.
09	220 KV MEHRAULI CKT.- II	MADE OFF	01:55	02.31	
10	220KV PAPPANKALN-II CKT. I	MADE OFF	02:20	02.23	
11	220KV PAPPANKALN-II CKT. II	MADE OFF	02:20	02.27	
12	220KV NARAINA CKT-I	MADE OFF	02:20	02.30	
13	220KV NARAINA CKT-II	MADE OFF	02:20	02.32	
14	220KV NAJAFGARH CKT. I & II	MADE OFF	02:20	07.33	
15	220KV PAPPANKALN-I CKT. I&II	MADE OFF	02:20	02.33	

(b) 400 kV Bawana Sub station:

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
01	400KV BAMNAULI CKT-I	DIST. PROT. MAIN-2, A-B-N-Z-1, AIDED TRIP, 186A&B, DIST. 36.4KM	01.16	01.24	
02	400KV BAMNAULI CKT-II	DIST. PROT. MAIN-2, A-B-N-Z, 186A&B	01.16	01.24	

(c) 220 kV Naraina Sub station:

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
01	220KV BAMNAULI CKT-I	AUTO RECLOSE, 186A&B, DIST. PROT. 86	01.16	02.32	
02	220KV BAMNAULI CKT-II	AUTO RECLOSE LOCK OUT, 186A&B, E/F, 67N	01.16	02.34	

(d) 220 kV Pappankalan-II Sub station:

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
01	220KV BAMNAULI CKT-I	WITHOUT INDICATION	01.16	02.55	
02	220KV BAMNAULI CKT-I	WITHOUT INDICATION	01.16	02.30	
03	220/66KV 100MVA TX-I	O/C, E/F, 86	01.16	06.45	
	220/66KV 100MVA TX-II	LBB, PRV	01.16	02.45	

(e) 220 kV Najafgarh Sub station:

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
01	220KV BAMNAULI CKT-I	SUPPLY FAILED	01.16	07.33	
02	220KV BAMNAULI CKT-II	SUPPLY FAILED	01.16	07.33	

(f) 220 kV Pappankalan-I Sub station:

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
01	220KV BAMNAULI CKT-I	SUPPLY FAILED	01.16	02.33	
02	220KV BAMNAULI CKT-II	SUPPLY FAILED	01.16	02.33	

D) Grid Incident on 21.12.2008 due to fog in Delhi system.**(a) 400 kV Bawana Sub station:**

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	400kV Ballabgarh Ckt-II	Main-I & II : Dist Prot ANZ-I, dist. 53.1kms	00.23		Auto reclosed
2	400kV Bawana Ckt-II	Main-I & II : Dist Prot CNZ dist 10.7Kms	01.05		Auto reclosed
3	400kV Bawana Ckt-I	Main-I & II : Dist Prot ANZ-I	01.38	01.43	
4	400kV Bawana Ckt-I	Main-I & II : Dist Prot ANZ-I	01.44	01.50	
5	400kV Ballabgarh Ckt-I	Main-I & II : Dist Prot CNZ-I	01.48		Auto reclosed
6	400kV Bawana Ckt-I	Main-I & II : Dist Prot ANZ-I dist 6.3kms	01.50	06.41	
7	400kV Ballabgarh Ckt-II	Main-I & II : Dist Prot CNZ-I	01.55		Auto reclosed
8	400kV Bawana Ckt-II	Main-I & II : Dist Prot CNZ-I	02.10		Auto reclosed
9	400kV Ballabgarh Ckt-I	Main-I & II : Dist Prot ANZ-I	02.18	07.46	
10	400kV Bawana Ckt-II	Main-I & II : Dist Prot CNZ-I	02.43		Auto reclosed
11	400kV Ballabgarh Ckt-II	Auto reclose	02.47		Auto reclosed
12	400kV Ballabgarh Ckt-II	Main-I & II : Dist Prot CNZ-I. dist 3.2Kms	02.48	07.46	

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
13	220kV Najafgarh Ckt-I & II	Made off manually	02.50	02.58	
14	220kV Naraina Ckt-I & II	Made off manually	02.50	02.53	
15	315MVA ICT-II, III & IV	Made off manually	02.50	07.10	
16	400kV Bawana Ckt-II	Made off manually	04.15	07.13	
17	220kV Pappankalan Ckt-I & II	Made off manually	04.26	04.33	
18	220kV Mehrauli Ckt-I	Dist Prot CNZ-I	04.44	06.14	
19	220kV Mehrauli Ckt-I & II	Made of manually	07.10		
20	400kV Bawana Ckt-II	Auto reclose	07.23		Auto reclosed

(b) **400 kV Bawana Sub station:-**

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Rohini Ckt-I	Dist Prot `C` Phase Zone-I	00.34	17:35	`B` Phase LA damaged at Rohini
2	400kV Bamnauli Ckt-II	Main-I & II : CNZ-I, both CB tripped, fault location 23.2Kms	01.05	01.10	
3	400kV Bamnauli Ckt-I	Main_I & II : ANZ-I	02.30	06.36	Auto reclose operated at 01.37hrs, 01.40hrs, 01.43hrs, 01.50hrs, 01.52hrs, 02.08hrs, 02.10hrs, 02.17hrs, 02.21hrs, 02.24hrs and finally tripped at 02.30hrs.
4	400kV Bamnauli Ckt-II	Main-II : CNZ-I, both CB tripped, dist 21.8Kms.	02.10	02.15	Auto reclose operated at 01.48hrs, 02.02hrs and finally tripped at 02.10hrs.
5	400kV Bamnauli Ckt-II	Main-I & II : CNZ-I, both CB tripped, dist 28.2Kms.	02.18	07.11	Auto reclose operated at 02.16 and tripped at 02.18hrs.
6	400kV Bamnauli Ckt-II		7:21		Auto reclose operated Again auto reclosed operated at 07.23hrs.
7	220kV Najafgarh Ckt-II	Dist Prot Phase-A Dist. 14.1kms	04.01	04.24	
8	400kV Abdullapur Ckt-I	Main-I & II : CNZ-I, fault location 25.23kms	04.31	05.54	
9	400kV Bahadurgarh Ckt	Tripped on VT fuse fail. Location 62kms.	04:31	05.02	
10	400kV Abdullapur Ckt-II	Main-I & II : CNZ-I	04.31	04.47	
11	220kV Najafgarh Ckt-II	Dist Prot Phase-A Dist. 14.3kms	06.01	06.10	
12	220kV Shalimar Bagh Ckt-II	Dist Prot `C` Phase,	06.12	06.17	
13	400kV Mandola Ckt-I	Main-I & II : ANZ-I, both CB tripped fault location 2.8Kms	03.33	07.18	

(c) **220 kV Najafgarh Sub station:-**

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Bamnauli Ckt-I & II	Supply failed	02.45	03.05	Load changed over to Bawana Ckt-I & II at 02.48hrs. 50MW load affected during 02.45hrs.to 02.48hrs.
2	220kV Bawana Ckt-II	Dist Prot `A` Phase, 186, 186	04.07	04.30	
3	220kV Bawana Ckt-II	Dist Prot `A` Phase, 186, 186	06.02	06.15	

(d) **220kv Narela Sub-station**

S. NO	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
01	66kV Jahangirpuri Ckt-I & II 66kV Badli Ckt-I & II and 06nos. 11kV feeders	Under Frequency Relay	03.34	04.04	28MW load affected during the time.
02	220kV Mandola Ckt-I & II	Under Frequency Relay	03.35	04.38	220kV Bawana Ckt-I & II energized at 03.50hours and entire load met. Only 6MW load affected during 3.35hrs.-3.50hrs.
03	220kV Panipat Ckt-I, II & III	Under Frequency Relay	03.35	03.55	
04	220kV Mandola Ckt-I	Micro ohm scheme `C` Ph, 186, 186	05.41	05.53	220kV Bawana Ckt-I & II made off.

(e) **220kV Pappankalan-II Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Bamnauli Ckt-I & II	Supply failed	02.45	02.50	08MW load affected during this period.

(f) **220kV Rohini Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Bawana Ckt-I	Supply failed	00.34	00.45	Load normalized through 220kV Shalimar Bagh Ckt-I. 220kV Bawana Ckt-I is still out. LA is being replaced. 61MW load affected during the time.

(g) **220kV Shalimar Bagh Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Bawana Ckt-II	Dist Prot `C` Phase, auto reclose lock out	06.12	06.18	30MW load affected during this period.

(h) **220kV GOPALPUR Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	66kV Jahangirpuri Ckt-I & II, 33kV Azadpur Ckt-I & II and 03nos. 11kV feeders	Under Frequency Relay Operation	03.38	04.42	28MW load affected
2	220kV Mandola Ckt-I & II	Supply failed	03.40	04.40	52MW load affected apart from 28MW load in Sr.I

(i) **220kV Wazirabad-II Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	66kV Gonda Ckt-I & II	U/F	03.36	04.57	
2	220kV Mandola Ckt-I, II, III & IV	CVT disappeared	03.36	04.57	
3	220kV Mandola ckt-IV	Dist Prot `RYB` Ph, Dist 8.4Km	06.38	07.29	
4	220kV Geeta Colony Ckt-I	Dist Prot RYB` Phase, Dist 5.1Km	06.40	06.57	
5	220kV Geeta Colony Ckt-II		06.40	06.57	
6	220kV Geeta Colony Ckt-II		06.58	07.15	
7	220kV Geeta Colony Ckt-II	Dist Prot `RYB` Ph., Dist 4.5Kms	07.30	07.35	
8	220kV Geeta Colony Ckt-I	Dist Prot RYB` Phase, Dist 5.1Km	08.08	08.15	
9	220kV Geeta Colony Ckt-II	Without indication	08.09	08.36	Insulators of Top phase on tower no. 352 flashed and got attended after availing the S/D for the period 12.40hrs. - 0.38hrs. on 22.12.08
10	220kV Geeta Colony Ckt-I	Without indication	08.20	08.45	
11	220kV Mandola Ckt-I	Without indication	08.20	08.32	
12	220kV Mandola Ckt-IV	Without indication	08.20	08.35	
13	100MVA Tx-II & II	Without indication	08.20	08.38	
14	66kV I/C-I	Without indication	08.20	08.40	

(j) **220kV Geeta Colony Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Wazirabad Ckt-I & II	Supply failed	03.36	03.53	
2	220kV Patparganj Ckt-I & II	Supply failed	03.36	03.53	
3	220kV Wazirabad Ckt-I	Main-I : Dist Prot Zone-I, three phase tripped, fault location 1.306Kms, Main-II : Dist Prot Zone-I, `C` Phase three phase tripped, fault location 1.2Kms	06.43	07.05	IP, RPH, Pragati #2 islanded from the grid. IP & RPH generating units survived.

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
4	220kV Wazirabad Ckt-II	Main-I : Dist Prot Zone-I, three phase tripped, 86, fault location 1.386Kms, Main-II : Dist Prot `A` Phase Zone-I, fault location 1.3Kms	06.43	07.15	
5	220kV Wazirabad Ckt-II	Main-I : Dist Prot Zone-I, fault location 1.757Kms , Main- II : Dist Prot `A` Phase Zone-I, 86, fault location 1.8Kms	07.30	07.38	
6	220kV Wazirabad Ckt-I	Main-I : Dist Prot Zone-I, fault location 0.6Kms Main-II : Dist Prot `B`Phase, Zone-I, fault location 0.6Kms	08.12	08.48	IP, RPH, Pragati #2 islanded from the grid. IP & RPH generating units survived.
7	220kV Wazirabad Ckt-II	Main-I : three phase tripped, dist prot zone-I, 86, fault location 1.757Kms Main-II : trip ph. ABC, dist prot zone-I, fault location 1.2Kms	08.12	08.40	

(k) **220kV Patparganj Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Geeta Colony Ckt-I & II	Under Frequency, 186, 186	03.36	03.49	IP, RPH, Pragati #2 islanded from the grid and collapsed.
2	220kV IP Ckt-I & II	Supply failed	03.36	03.45	
3	220kV Geeta Colony Ckt-I & II	Made off manually	04.54	05.27	
4	220kV Geeta Colony Ckt-I	Under Frequency	06.42	07.12	
5	220kV Geeta Colony Ckt- II	Under Frequency	06.42	07.05	
6	220kV Geeta Colony Ckt-I	Under Frequency	08.08	08.42	
7	220kV Geeta Colony Ckt- II	Under Frequency	08.08	08.42	
8	220kV IP Ckt-II	Dist Prot A` Phase Zone-I, 186, fault location 1.385Kms	08.12		
9	220kV IP Ckt-I	Made off manually	08.16		

(l) **220kV Mehrauli Sub station**

S.N	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV BTPS Ckt-I	ANZ-I, `A` Phase, 186, Dist 3.205Kms	04.20	04.30	115MW load affected
2	220kV Bamnauli Ckt-I	CNZ-I, `C` Phase, Dist 13.30Kms	04.44	06.10	
3	220kV BTPS Ckt-I	ANZ-I `A` Phase Dist 1.769Kms	07.15	07.22	

(m) **220kV Pappankalan-I Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Bamnauli Ckt-I&II	Supply failed	02.45	02.50	100MW load affected
2	220kV Bamnauli Ckt-I&II	Supply failed	04.30	04.50	102MW load affected

(n) **220kV Naraina Sub-station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Bawana Ckt-I & II	Supply failed	02.48	02.52	27MW load affected
2	220kV Bamnauli Ckt-I & II	Supply failed	07.05	07.06	52MW load affected

(o) **220kV Subzi Mandi Sub-station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Gopalpur Ckt-I & II	Supply failed	03.40	04.45	32MW load affected

(p)

220kV Park Street Sub-station

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV IP Ext Ckt-II	Supply failed	03.35	03.42	28MW load affected during the time.
2	66kV Shastri Park Ckt-I & II	Under Frequency Relay (Islanded operation)	06.40	07.10	19MW load affected

(q)

220kV Kashmiri Gate Sub-station

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Wazirabad Ckt-II	Supply failed	03.35	03.50	
2	220kV Wazirabad Ckt-II	Supply failed	04.54	04.55	
3	220kV Wazirabad Ckt-II	Supply failed	08.17	08.37	

(r)

220kV Pragati Sub-station

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV IP Ckt-I & II		03.35	03.42	Due to tripping of 114MVA Tr-II & 146MVA STG at PPCL due to Islanding
2	220kV Park Street Ckt-II		03.35	03.42	--do--

(s)

220kV Okhla Sub-station

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV BTPS Ckt-II	67NX, 86, Auto Reclose Lock out	04:22	04:30	Load affected 46MW
2	220kV BTPS Ckt-II	67NX, 86, Auto Reclose Lock out	07:15	07:20	Load affected 64MW

(t)

220kV BTPS station

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Mehrauli Ckt-I	67NX, A-Phase	04:22	04:30	
2	220kV Mehrauli Ckt-I	67NX, A-Phase	07:15	07:22	

(u)

220kV RPH station

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Affected load in MW
1	220kV IP Ckt-I & II	U/F	03.35	04:36	
2	33kV Bay-1, 2, 5, 6, 13, 18	U/F	03.35	04.10	16
3	33kV Bay-1, 2, 5, 6, 13, 18	U/F	06.45	07.40	20
4	33kV Bay-1, 2, 5	U/F	08.10	08.15	12
5	33kV Bay-6, 13, 18	U/F	08.10	08.35	13

(v)

220kV IP station

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Load affected in MW
1	Bay-2	Made off manually	03.40 06.46	03.46 08.30	1.5 1.5
2	Bay-4	Made off manually	03.40	03.46	3
3	Bay-6	Made off manually	03.40 06.46	03.46 08.30	2 2
4	Bay-7	Made off manually	03.40		1
5	Bay-9	Made off manually	03.40		2
6	Bay-10	Made off manually	03.40 06.46	03.46 08.30	3 3
7	Bay-13	Made off manually	03.40		2.5
8	Bay-16	Made off manually	03.40		1.5
9	Bay-17	Made off manually	03.40 06.46	03.46 08.30	1 1
10	Bay-18	U/F	03.36 06.43	04.35 09.05	1 1

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Load affected in MW
11	Bay-19	Made off manually	03.40 06.46	03.46 08.30	1.5 1.5
12	Bay-24	U/F	03.36 06.43	04.35 08.10	3 3
13	Bay-25	U/F	03.36 06.43	04.35 09.05	3 3
14	Bay-28	Made off manually	03.40	03.46	1
15	Bay-29	Made off manually	03.40		NIL
16	Bay-30	U/F	03.36 06.43	04.35 08.10	2.5 3
17	Bay-34	Made off manually	03.40	03.46	2
18	Bay-37	U/F	03.36 06.43	04.35 08.10	1.5 2
19	Bay-38	Made off manually	03.40	03.46	NIL
20	Bay-42	Made off manually	03.40	03.46	2

F) Report on Grid Incident on 18.01.2009 due to fog in Delhi system.

The following trippings occurred in Delhi system.

S. No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in hrs.	Time of restoration in hrs.	Remarks
1	400kV Ballabgarh – Bamnauli Ckt-I	At Bamnauli : Dist Prot main 1 & 2 ANZ-I	00.04		Auto reclosed operated.
2	400kV Ballabgarh – Bamnauli Ckt-I	At Bamnauli : Main-I : ANZ-I, Dist 85% Main-II: ANZ1, auto reclose lock out, 186A&B, Dist 11Kms.	00.59		Ckt. tried to close at 01.30 hrs.but again tripped on Dist Prot Main I& II ANZ-I, 186A&B, Dist 11Kms
3	400kV Ballabgarh – Bamnauli Ckt-II	At Bamnauli : Breaker no. 452 of the ckt. tripped on CB auto trip, Dist Prot Main-I & II, CNZI, Auto Reclose lock out 186A&B	01.44	02.02	
4	400kV Bawana – Bamnauli Ckt-I	At Bawana : CB-152 on auto reclose lock out, Dist Prot Main-I ANZ-I At Bamnauli : CB-1752 tripped on 186A&B, Dist Prot Main-I & II ANZ-I.	03.01	03.10	Dist from Bawana is 24.7Kms.
5	400kV Bawana – Bamnauli Ckt-I	At Bawana : CB-152, 252 auto reclosed, and after few seconds, CB-152 tripped on Main-I & II : ANZ-I At Bamnauli : CB-1752 tripped on 186A&B, Dist Prot Main-I & II ANZ-I	03.18	03.24	Dist from Bawana is 8.5Kms.
6	400kV Bawana – Bamnauli Ckt-II	At Bawana : Dist Prot CNZ-I, Main-I & II At Bamnauli : Dist Prot CNZ-I, Main-I & II	03.26	03.33	Dist from Bawana is 23.1Kms.
7	400kV Bawana – Bamnauli Ckt-I	At Bawana : Both CB Auto reclosed and after few seconds, CB-152 tripped on Main-I & II ANZ-I	03.28	03.46	Dist from Bawana is 8.5Kms.
8	400kV Bawana – Bamnauli Ckt-II	At Bawana : CB-352 & 452 tripped on CNZ-I At Bamnauli : Dist Prot CNZ-I, Main-I & II	03.42	03.46	Dist from Bawana is 7.2Kms
9	400kV Bawana – Bamnauli Ckt-I	At Bamnauli : CB 1752 tripped on Dist. Prot., ANZ-I, 186 A&B	03.51		Both CB auto reclosed, at Bawana
10	400kV Bawana – Bamnauli Ckt-I	At Bamnauli : CB 1752 tripped on Dist. Prot., ANZ-I, 186 A&B	04.20		Both CB auto reclosed, at Bawana
11	400kV Bawana – Bamnauli Ckt-I	At Bamnauli : CB 1752 tripped on Dist. Prot., ANZ-I, 186 A&B	04.43		Both CB auto reclosed, at Bawana

S. No	Name of the feeder/ Transformer tripped	Relay indications	TIME OF TRIPPING IN HRS.	TIME OF RESTORATION IN HRS.	Remarks
12	400kV Bawana – Bamnauli Ckt-I	At Bawana : CB -152 tripped on ANZ-1 Distance from Bawana is 24.4KMs	04.44	07.23	Ckt. Tried to close at 05:47hrs. from Bawana end but again tripped on ANZ-1, Distance from Bawana is 23.2KMs
13	400kV Bawana – Bamnauli Ckt-I	At Bawana : CB -252 tripped on ANZ-1 At Bamnauli : CB 1852 tripped on ANZ-1, 186 A&B	05.41	09.13	Distance from Bawana is 25.1KMs
14	400kV Bamnauli – Ballabgarh Ckt-II	At Bamnauli : Dist Prot CNZ-I, Pole Discrepancy	05.41	06.24	Distance from Bawana is 21.1KMs CB -352 tried to close at 05.48hrs.but did not hold and again tripped on CNZ-1 distance 22.3KMs.
15	400kV Bamnauli – Ballabgarh Ckt-I	At Bamnauli : CNZ-I, CNZ-II	05.38	05.47	
16	400kV Bawana – Bamnauli Ckt-II	At Bawana : CB-352, 452 tripped on CNZ-1 At Bamnauli : CB- 1752 tripped CNZ-I, Main I & II	07.16	07.19	Distance from Bawana 13.2KMs.
17	400kV Bawana – Bamnauli Ckt-II	At Bawana : CB -352, 452 tripped on main 2 , ANZ-I , aided tripped At Bamnauli : CB 1652 tripped on CNZ-1, 186 A&B,Auto reclose lockout	07.29	07.36	
18	400kV Bawana – Bamnauli Ckt-II	At Bawana : CB -352, 452 tripped on main 2 , ANZ-I , aided tripped	07.38	09.15	
19	220kV BTPS – Mehrauli Ckt-I	At Mehrauli : 186, 186, Directional E/F, Bus Bar Protection, 80A,80T At :	04.15	07.05	66kV I/C-I , III, 66kV Vasant Kunj 'C' Blk ckt. I&II , 20MVA Tr.- II alongwith its I/C also tripped at same time At 05.45hrs. load normalized by coupling 66kV Bus coupler. Approximate load affected during 04.15hrs. to 05.45hrs. is 65MW
20	220/66kV 100MVA Pr. Tr.- III at Mehrauli	64X, E/F 66kV I/C-III : 51BX, O/C	04.15	07.25	
21	220kV Mandola – Gopalpur Ckt-I	At Mandola : Dist Prot `Y` Phase Zone-2, 186A&B, 86RYB At Gopalpur : No tripping	07.50	19.35	At Gopalpur `Y` phase LA damaged

G) Report on Grid Incident on 31.03.2009 in Delhi system.

(a) 400kv Mandola Sub-station

S. NO	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
01	220kV Wazirabad Ckt-III & IV	Ckt-III:186 A&B,R-phase dist. Prot. Ckt. IV: 186 A&B, Y&B Phase, Dist Prot Zone-II	13:24	14:40	ICT-I & III tripped at Mandola.
02	220kV Narela Ckt-I & II	186A&B, 86RYB, Dist Prot `B` Phase Zone-II	13.24	14:49	

(b) 220kv Narela Sub-station

S. NO	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
01	220kV Mandola Ckt-I	No tripping	13:24	14:49	Supply failed from Mandola.
	220kV Mandola Ckt-II	186, E/F, 3-Phase trip	13.24	14.49	

(c) **220kV Wazirabad-II Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
01	220kV Mandola Ckt-III & IV	No tripping	13:24	14:40	Supply failed from Mandola.
02	220kV Geeta Colony Ckt-I & II	No tripping	13:24	14:45	---do---
03	220kV Kashmiri Gate Ckt-I & II	No tripping	13:24	14:45	---do---

(d) **220kV Geeta Colony Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Wazirabad Ckt-I & II	No tripping	13:24	14:45	Supply failed
2	220kV Patparganj Ckt-I & II	No tripping	13:24	14:10	Supply failed

(e) **RPH Station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	Bay No. 5,6,13	Under Frequency	13:24	14:08	
2	Unit -I		13:24	14:10	

(f) **220kV Patparganj Sub station**

S.No	Name of the feeder/ Transformer tripped	Relay indications	Time of tripping in Hrs.	Time of Restoration in Hrs.	Remarks
1	220kV Geeta Colony Ckt-I & II	Under Frequency	13:24	14:10	
2	66 kV G.H.-I	Under Frequency	13:24	14:08	
3	33kV KARKARDOOMA CKT-I	Under Frequency	13:24	14:05	
4	33kV KARKARDOOMA CKT-II	Under Frequency	13:24	14:05	
5	33kV GEETA COLONY CKT	Under Frequency	13:24	14:05	
6	33kV SHAKAR PUR CKT	Under Frequency	13:24	14:05	
7	33kV PREET VIHAR CKT	Under Frequency	13:24	14:05	
8	33kV GURU ANGAD NAGAR CKT-I	Under Frequency	13:24	14:05	
9	33kV GURU ANGAD NAGAR CKT-II	Under Frequency	13:24	14:05	
10		Under Frequency	13:24	14:05	
11	33kV CBD SHAHDARA CKT	Under Frequency	13:24	14:05	
12	11KV Commercial Practice	Under Frequency	13:24	14:02	
13	11kV Shakarpur	Under Frequency	13:24	14:02	
14	11kV Preet Vihar	Under Frequency	13:24	14:02	