

# **Tata Power Delhi Distribution Limited**

**(formerly: North Delhi Power Limited)**

**True up Petition for FY 2010-11**

**And**

**ARR for FY 2012-13 to**

**FY 2014-15**

**(Volume II)**

**NDPL House, Hudson Lines,  
Kingsway Camp, Delhi – 110009**

**February 2012**

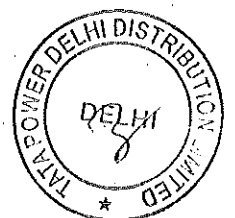


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# Balance Sheet FY 2010-11



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# Deloitte Haskins & Sells

Chartered Accountants  
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## AUDITORS' REPORT

### TO THE MEMBERS OF NORTH DELHI POWER LIMITED

1. We have audited the attached Balance Sheet of **North Delhi Power Limited** ('the Company'), as at 31 March, 2011, the Profit and Loss Account and the Cash Flow Statement of the Company for the year ended on that date, both annexed thereto. These financial statements are the responsibility of the Company's Management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. We conducted our audit in accordance with auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the Management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.
3. As required by the Companies (Auditor's Report) Order, 2003 ('the Order') issued by the Central Government of India in terms of sub-section (4A) of section 227 of the Companies Act, 1956, we enclose in the Annexure a statement on the matters specified in paragraphs 4 and 5 of the said Order.
4. Further to our comments in the Annexure referred to in paragraph 3 above, we report as follows:
  - a. we have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purposes of our audit;
  - b. in our opinion, proper books of account as required by law have been kept by the Company so far as it appears from our examination of those books;
  - c. the Balance Sheet, the Profit and Loss Account and the Cash Flow Statement dealt with by this report are in agreement with the books of account;
  - d. in our opinion, the Balance Sheet, the Profit and Loss Account and the Cash Flow Statement dealt with by this report are in compliance with the accounting standards referred to in Section 211(3C) of the Companies Act, 1956;

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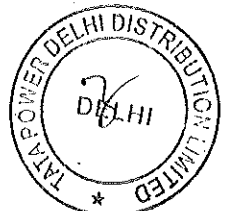
- e. In our opinion and to the best of our information and according to the explanations given to us, the said accounts, give the information required by the Companies Act, 1956, in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:
- i. In the case of the Balance Sheet, of the state of affairs of the Company as at 31 March, 2011;
  - ii. In the case of the Profit and Loss Account, of the profit of the Company for the year ended on that date; and
  - iii. In the case of the Cash Flow Statement, of the cash flows of the Company for the year ended on that date.
5. On the basis of written representations received from the Directors, as at 31 March, 2011, taken on record by the Board of Directors, none of the Directors is disqualified as on 31 March, 2011, from being appointed as a director in terms of Section 274 (1)(g) of the Companies Act, 1956.

For **DELOITTE HASKINS & SELLS**  
Chartered Accountants  
(Registration No. 015125N)

*Alka Chadha*

**ALKA CHADHA**  
Partner  
Membership No. 93474

**NEW DELHI, 11 May, 2011**



**ANNEXURE TO THE AUDITORS' REPORT**

(Referred to in paragraph 3 of our report of even date)

- i. Having regard to the nature of the Company's business/activities/result, clause 4(xiii) of the Order is not applicable.
- ii. In respect of its fixed assets:
  - a. The Company has maintained proper records showing full particulars, including quantitative details and situation of fixed assets.
  - b. The Company has a programme of physically verifying all its fixed assets in a phased manner designed to cover all assets over a period of three years, which in our opinion is reasonable having regard to the size of the Company and the nature of its business. In accordance with this programme, the Management had carried out a physical verification of fixed assets at some locations during the year and according to the explanations given to us no material discrepancies were noticed on such verification.
  - c. The fixed assets disposed off during the year, in our opinion, do not constitute a substantial part of the fixed assets of the Company and such disposal has, in our opinion, not affected the going concern status of the Company.
- iii. In respect of its inventories:
  - a. As explained to us, inventory in the Company's possession has been physically verified by the Management at reasonable intervals.
  - b. In our opinion and according to the information and explanation given to us, the procedures of physical verification of inventories followed by the Management were reasonable and adequate in relation to the size of the Company and the nature of its business.
  - c. In our opinion and according to the information and explanations given to us, the Company has maintained proper records of its inventories and no material discrepancies were noticed on physical verification.
- iv. The Company has neither granted nor taken any loans, secured or unsecured, to/from companies, firms or other parties listed in the Register maintained under Section 301 of the Companies Act, 1956.
- v. In our opinion and according to the information and explanations given to us, there is an adequate internal control system commensurate with the size of the Company and the nature of its business with regard to the purchase of inventory and fixed assets and for sale of services. The Company's operations did not give rise to sale of goods during the current year. During the course of our audit, we have not observed any major weakness in such internal control system.



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- vi. Based on the examination of the books of account and related records and according to the information and explanations provided to us, there are no contracts or arrangements with companies, firms or other parties which need to be listed in the register maintained under Section 301 of the Companies Act, 1956.
- vii. The Company has not accepted any deposits from the public, within the meaning of Sections 58A and 58AA or any other relevant provisions of the Companies Act, 1956 and the Companies (Acceptance of Deposits) Rules, 1975.
- viii. In our opinion, the Company has an adequate internal audit system commensurate with the size of the Company and nature of its business.
- ix. We have broadly reviewed the books of account maintained by the Company pursuant to the Rules made by the Central Government for the maintenance of cost records under Section 209(1)(d) of the Companies Act, 1956 in respect of distribution and retail supply of electricity and are of the opinion that prima facie the prescribed accounts and records have been made and maintained. We have, however, not made a detailed examination of the records with a view to determining whether they are accurate or complete. To the best of our knowledge and according to the information and explanations given to us, the Central Government has not prescribed the maintenance of cost records for any other product of the Company.
- x. According to the information and explanations given to us in respect of statutory dues:
- a. the Company has been generally regular in depositing undisputed dues, including Provident Fund, Employees' State Insurance, Income Tax, Sales Tax, Wealth Tax, Service Tax, Customs Duty, Cess and other material statutory dues applicable to it with the appropriate authorities.
- The operations of the Company during the year did not give rise to Investor Education and Protection Fund and Excise Duty.
- b. there are no undisputed amounts payable in respect of Provident Fund, Employees' State Insurance, Income Tax, Sales Tax, Wealth Tax, Service Tax, Customs Duty, Cess and other material statutory dues in arrears as at 31 March, 2011 for a period of more than six months from the date they became payable.
- The operations of the Company during the year did not give rise to Investor Education and Protection Fund and Excise Duty.
- c. details of dues of Income Tax which have not been deposited as on 31 March, 2011 on account of disputes which are given below:

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Name of the statute	Nature of the dispute	Amount (Rs. /lacs)	Financial year	Forum where dispute is pending
Income Tax Act, 1961	Disallowance of Provision for bad and doubtful Debts u/s 115JB and disallowance of expenses.	199.28	2002-03	Income Tax Appellate Tribunal
Income Tax Act, 1961	Derecognition of revenue and disallowance of expenses.	307.10	2005-06	Income Tax Appellate Tribunal
Income Tax Act, 1961	Derecognition of revenue and disallowance of expenses.	2,048.25	2006-07	Commissioner of Income Tax (Appeals)
Income Tax Act, 1961	Demand of interest on short deduction of TDS on open excess charges	166.33	2007-08	Commissioner of Income Tax (Appeals)
Income Tax Act, 1961	Derecognition of revenue and disallowance of expenses.	99.35	2007-08	Commissioner of Income Tax (Appeals)
Income Tax Act, 1961	Demand of interest on short deduction of TDS on open excess charges	114.74	2008-09	Commissioner of Income Tax (Appeals)

According to the information and explanations given to us, there were no dues in respect of Sales Tax, Wealth Tax, Service Tax, Customs Duty and Cess which had not been deposited as on 31 March, 2011 on account of any disputes.

The Company's operations do not give rise to any Excise duty.

- xi. The Company does not have any accumulated losses nor has incurred any cash losses during the current and the immediately preceding financial year.
- xii. In our opinion and according to the information and explanations given to us, the Company has not defaulted in repayment of dues to banks and financial institutions. The Company has not issued any debentures.

*(Signature)*



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- xiii. In our opinion and according to the information and explanations given to us, the Company has not granted loans and advances on the basis of security by way of pledge of shares, debentures and other securities. Accordingly, the provisions of clause 4(xii) of the Order are not applicable to the Company.
- xiv. In our opinion and according to the information and explanations given to us the Company is not dealing in shares, securities and debentures and other investments. Accordingly, the provisions of clause 4(xiv) of the Order are not applicable to the Company.
- xv. In our opinion and according to the information and explanations given to us, the Company has not given any guarantees for loans taken by others from banks or financial institutions.
- xvi. In our opinion and according to the information and explanations given to us and the records of the Company examined by us, the term loans raised by the Company have been applied for the purpose for which these were obtained.
- xvii. In our opinion and according to the information and explanations given to us, and on an overall examination of the Balance Sheet, we report that funds raised on short-term basis have not been used during the year for long term investment.
- xviii. According to the information and explanations given to us, the Company has not made any preferential allotment of shares to parties and companies covered in the register maintained under Section 301 of the Companies Act, 1956.
- xix. According to the information and explanations given to us, the Company has not issued any debentures during the period covered by our audit report. Accordingly, the provisions of clause (xix) of the Order are not applicable to the Company.
- xx. The Company has not raised any money by way of public issues during the year.
- xxi. To the best of our knowledge and according to the information and explanations given to us, no fraud by the Company and no material fraud on the Company has been noticed or reported during the year.

For **DELOITTE HASKINS & SELLS**  
Chartered Accountants  
(Registration No. 015125N)

*Alka Chadha*

**ALKA CHADHA**  
Partner  
Membership No. 93474

NEW DELHI, 11 May, 2011



**NORTH DELHI POWER LIMITED**  
**BALANCE SHEET AS AT 31 MARCH, 2011**

	Schedule Ref.	As at 31.03.2011 Rs./Lacs	As at 31.03.2010 Rs./Lacs
<b>SOURCES OF FUNDS</b>			
<b>1 SHAREHOLDERS' FUNDS</b>			
(a) Share capital	1	55,200.00	55,200.00
(b) Reserves & surplus	2	100,649.88	74,831.84
		<u>155,849.88</u>	<u>130,031.84</u>
<b>2 CAPITAL GRANTS</b>	3	829.52	750.80
<b>3 CONSUMER CONTRIBUTION FOR CAPITAL WORKS</b>	4	31,791.95	27,493.76
<b>4 LOAN FUNDS</b>			
Secured loans	5	150,589.58	125,092.06
Unsecured loans	6	92,000.00	18,000.00
<b>5 CONSUMERS' SECURITY DEPOSIT (See Note 3 (j))</b>		28,054.12	23,972.61
<b>6 DEFERRED TAX LIABILITY (See note 17)</b>		22,653.09	18,377.74
Less: ADJUSTABLE IN FUTURE TARIFF		<u>22,653.09</u>	<u>18,377.74</u>
		<u>459,115.05</u>	<u>325,341.07</u>
<b>APPLICATION OF FUNDS</b>			
<b>7 FIXED ASSETS</b>			
(a) Gross block	7	350,135.26	296,241.41
(b) Less: Accumulated depreciation		<u>113,007.81</u>	<u>102,042.24</u>
(c) Net block		237,127.45	194,199.17
(d) Capital work-in-progress (CWIP)		<u>43,124.18</u>	<u>42,169.97</u>
		<u>280,251.63</u>	<u>236,369.14</u>
<b>8 INVESTMENTS</b>	8	1,925.54	1,944.19
<b>9 CURRENT ASSETS, LOANS &amp; ADVANCES</b>			
(a) Interest accrued but not due		104.06	123.62
(b) Inventories	9	1,521.56	1,093.26
(c) Sundry debtors	10	243,914.20	124,298.35
(d) Cash and bank balances	11	8,204.16	8,271.26
(e) Loans and advances	12	<u>11,474.99</u>	<u>18,371.73</u>
		<u>265,218.97</u>	<u>152,158.22</u>
<b>10 LESS: CURRENT LIABILITIES AND PROVISIONS</b>	13		
(a) Current liabilities		86,998.72	64,204.43
(b) Provisions		<u>1,282.37</u>	<u>926.05</u>
		<u>88,281.09</u>	<u>65,130.48</u>
<b>11 NET CURRENT ASSETS</b>		<u>176,937.88</u>	<u>87,027.74</u>
		<u>459,115.05</u>	<u>325,341.07</u>

Notes forming part of the Financial Statements

19

The schedules referred to above form an integral part of the Balance sheet

In terms of our report attached

For **DELOITTE HASKINS & SELLS**  
Chartered Accountants

*Alka Chadha*

**ALKA CHADHA**  
Partner

For and on behalf of  
**NORTH DELHI POWER LIMITED**

*Sunil Wadhwa*

**SUNIL WADHWA**  
Managing Director

*S. Ramakrishnan*

**S. RAMAKRISHNAN**  
Director

*Ajay Kalsie*

**AJAY KALSIE**  
Company Secretary

New Delhi  
Date:

11 MAY 2011

New Delhi  
Date:

11 MAY 2011





**NORTH DELHI POWER LIMITED**  
**PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31 MARCH, 2011**

	Schedule Ref.	Year ended 31.03.2011 Rs./Lacs	Year Ended 31.03.2010 Rs./Lacs
<b>INCOME</b>			
1 Sale of power		295,919.12	272,173.06
Less: energy tax		12,750.83	11,755.77
		283,168.29	260,417.29
2 Other operating income	14	12,792.14	16,057.71
3 Other income	15	689.65	584.45
		296,650.08	277,059.45
4 Income arising from truing up by Delhi Electricity Regulatory Commission of earlier years revenue requirement			2,054.00
5 Total income excluding Income recoverable from future tariff		296,650.08	279,113.45
<b>EXPENDITURE</b>			
6 Fuel cost	16	1,797.97	-
7 Cost of power purchased (net) (excludes own generation) (See note 4 & 5)		308,970.80	255,882.63
8 Operating, maintenance and administrative expense	17	39,044.50	39,469.70
9 Bad debts written off		102.32	4,438.07
10 Depreciation		13,091.59	11,102.49
11 Interest and finance charges	18	17,284.32	9,473.51
12 Total		380,291.50	320,366.40
<b>LOSS BEFORE INCOME RECOVERABLE FROM FUTURE TARIFF</b>		(83,641.42)	(41,252.95)
13 Income recoverable from future tariff (See note 11)		115,643.00	67,268.00
<b>PROFIT BEFORE TAX</b>		32,001.58	26,015.05
14 Provision for taxes			
- Current Income tax (including adjustment for earlier years) (See note 12)		6,183.54	4,856.75
- Deferred tax (See note 17)			
Provision for the current period		4,275.35	4,463.00
Less: Adjustable in future tariff		(4,275.35)	(18,377.74)
<b>PROFIT AFTER TAX CARRIED TO BALANCE SHEET</b>		25,818.04	35,073.04
Basic and Diluted Earnings per share (Rs.) (See note 20)		4.68	6.35

Notes forming part of the Financial Statements- 19

The schedules referred to above form an Integral part of the Profit and Loss Account.

In terms of our report attached

For **DELOITTE HASKINS & SELLS**  
Chartered Accountants

*Alka Chadha*  
**ALKA CHADHA**  
Partner

For and on behalf of  
**NORTH DELHI POWER LIMITED**

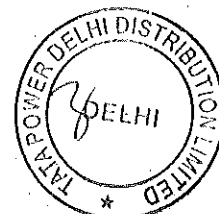
*Sunil Wadhwa*  
**SUNIL WADHWA**  
Managing Director

*S. Ramakrishnan*  
**S. RAMAKRISHNAN**  
Director

*Ajay Kalsie*  
**AJAY KALSIE**  
Company Secretary

New Delhi  
Date: 11 MAY 2011

New Delhi  
Date: 11 MAY 2011



**NORTH DELHI POWER LIMITED**  
**CASH FLOW STATEMENT FOR THE YEAR ENDED 31 MARCH, 2011**

	Year ended 31.03.2011 Rs./Lacs	Year Ended 31.03.2010 Rs./Lacs
<b>A. Cash flow from Operating Activities</b>		
Net profit before tax	32,001.58	26,015.05
Adjustments for :		
Depreciation	13,091.59	11,102.49
Interest expense	17,284.32	9,473.51
Interest income	(277.85)	(223.35)
Profit on sale of short term investments (non-trade)	(2.39)	(21.40)
Loss / (Profit) on retirement / sale of assets	861.00	509.90
Transfer of Capital grant / Consumer contribution to Income	(1,238.91)	(789.78)
Obsolete inventory written off / Provision for obsolete inventory	14.61	78.92
Bad Debts written off	102.32	4,438.07
Provision for doubtful debts / Advances written back	1,618.01	(6,416.17)
Operating profit before working capital changes	63,454.28	44,167.24
Adjustments for :		
Trade and other receivables	(112,788.77)	(58,536.05)
Inventories	(442.91)	(176.45)
Trade payables and other liabilities	20,709.72	15,960.99
Cash generated from operations	(29,067.68)	1,415.73
Taxes paid/deducted at source	(5,374.39)	(4,960.03)
<b>Net cash used in Operating Activities</b>	(A) <b>(34,442.07)</b>	(3,544.30)
<b>B. Cash Flow from Investing Activities</b>		
Purchase of fixed assets	(58,881.56)	(46,669.75)
Sale/disposal of fixed assets	1,046.48	566.33
Interest received	316.06	257.08
Profit on sale of short term investments (non-trade)	2.39	21.40
<b>Net cash used in Investing Activities</b>	(B) <b>(57,516.63)</b>	(45,824.94)
<b>C. Cash Flow from Financing Activities</b>		
Interest paid on long term borrowings	(10,319.28)	(6,672.37)
Interest paid on short term borrowings	(5,144.57)	(1,335.09)
Interest paid on consumer security deposits	(1,839.40)	(964.00)
Proceeds from short term loans	118,500.00	47,700.00
Repayment of short term loans	(44,500.00)	(29,700.00)
(Repayment)/Proceeds from cash credit accounts	(638.54)	2254.32
Proceeds of term loans	40,000.00	44,400.00
Repayment of term loans	(13,863.94)	(11,018.00)
Proceeds from capital grants/consumer contribution for capital works	5,615.82	12,884.51
Consumer security deposits	4,081.51	4,240.32
Dividend paid (Including dividend tax)	-	(9,041.37)
<b>Net cash from Financing Activities</b>	(C) <b>91,891.60</b>	52,748.32
<b>Net Increase in Cash and Cash Equivalents</b>	(A+B+C) <b>(67.10)</b>	3,379.08
Cash and cash equivalents at the beginning of the year	8,271.26	4,892.18
<b>Cash and cash equivalents at the end of the period</b>	<b>8,204.16</b>	<b>8,271.26</b>

In terms of our report attached

For **DELOITTE HASKINS & SELLS**  
Chartered Accountants

*Alka Chadha*

**ALKA CHADHA**  
Partner

For and on behalf of  
**NORTH DELHI POWER LIMITED**

*Sunil Wadhwa*

**SUNIL WADHWA**  
Managing Director

*S. Ramakrishnan*

**S. RAMAKRISHNAN**  
Director

*Ajay Kalsie*

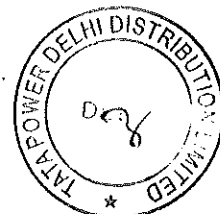
**AJAY KALSIE**  
Company Secretary

New Delhi  
Date:

11 MAY 2011

New Delhi  
Date:

11 MAY 2011



**NORTH DELHI POWER LIMITED**  
**SCHEDULES FORMING PART OF THE BALANCE SHEET**

	As at <u>31.03.2011</u> Rs./Lacs	As at <u>31.03.2010</u> Rs./Lacs
<b><u>SCHEDULE 1</u></b>		
<b>SHARE CAPITAL</b>		
<b>Authorised</b>		
750,000,000 [Previous year 750,000,000] equity shares of Rs. 10 each	<u>75,000.00</u>	<u>75,000.00</u>
<b>Issued, Subscribed and Paid up</b>		
552,000,000 [Previous year 552,000,000] equity shares of Rs.10 each fully paid up.	<u>55,200.00</u>	<u>55,200.00</u>
<b>Of the above:</b>		
1. 281,520,000 [Previous year 281,520,000] equity shares of Rs.10 each are held by Tata Power Company Limited, the holding company		
2. 367,950,000 [Previous year 367,950,000] equity shares of Rs. 10 each are allotted at par as fully paid pursuant to contract without payment being received in cash.		
3. 184,000,000 [Previous year 184,000,000] equity shares of Rs. 10 each are allotted as fully paid up bonus shares by capitalisation of Reserve & Surplus		
<b><u>SCHEDULE 2</u></b>		
<b>RESERVES AND SURPLUS</b>		
(a) General Reserve	5,300.00	5,300.00
(b) Contingency Reserve (See note 9)	2,053.74	2,053.74
(c) Profit and Loss account		
(i) Opening balance	67,478.10	32,405.06
(ii) Add: Additions during the year	<u>25,818.04</u>	<u>35,073.04</u>
(iii) Closing balance	<u>93,296.14</u>	<u>67,478.10</u>
	<u>100,649.88</u>	<u>74,831.84</u>

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**NORTH DELHI POWER LIMITED**  
**SCHEDULES FORMING PART OF THE BALANCE SHEET**

	As at 31.03.2011 Rs./Lacs	As at 31.03.2010 Rs./Lacs
<b>SCHEDULE 3</b>		
<b>CAPITAL GRANTS (See note 2 (c))</b>		
(i) Opening balance	750.80	735.62
(ii) Add: Received during the year	116.85	52.02
(iii) Less: Transfer to Profit and Loss Account	38.13	36.84
(iv) Closing balance	<u>829.52</u>	<u>750.80</u>
<b>SCHEDULE 4</b>		
<b>CONSUMER CONTRIBUTION FOR CAPITAL WORKS (See note 2(i))</b>		
(i) Opening balance	27,493.76	15,414.21
(ii) Add: Additions during the year	5,498.97	12,832.49
(iii) Less: Transfer to Profit and Loss account	1,200.78	752.94
(iv) Closing balance	<u>31,791.95</u>	<u>27,493.76</u>
<b>SCHEDULE 5</b>		
<b>SECURED LOANS (See note 10(a))</b>		
(a) From banks		
(i) Cash credit	10,277.02	10,915.56
(ii) Term loans		
(a) Industrial Development Bank of India	11,616.00	13,024.00
(b) State Bank of Mysore	3,300.00	3,700.00
(c) State Bank of Saurashtra	3,300.00	3,700.00
(d) United Bank of India	7,500.00	8,500.00
(e) Punjab and Sindh Bank	13,421.04	15,000.00
(f) Dhanlaxmi Bank	10,710.00	11,900.00
(g) Union Bank of India	24,210.52	-
(h) Allahabad Bank	15,000.00	-
(b) From Others		
(i) Infrastructure Development Finance Company Limited	37,792.50	43,552.50
(ii) Power Finance Corporation Limited	1,900.00	2,300.00
(iii) Axis Bank CLSS 7 Trust 2010	<u>11,562.50</u>	<u>12,500.00</u>
	<u>150,589.58</u>	<u>125,092.06</u>
<b>SCHEDULE 6</b>		
<b>UNSECURED LOANS (See note 10(b))</b>		
(a) Short term loans - from banks		
(i) Punjab National Bank	10,000.00	8,000.00
(ii) Union Bank of India	10,000.00	-
(iii) Punjab and Sindh Bank	15,000.00	-
(iv) Karnataka Bank Limited	5,000.00	-
(v) Dena Bank	6,000.00	-
(vi) South Indian Bank	10,000.00	-
(b) Other loans - from others		
(i) Axis Bank CLSS 8 Trust 2010	8,500.00	10,000.00
(ii) Axis Bank CLSS 2 Trust 2011	12,500.00	-
(iii) Axis Bank CLSS 15 Trust 2011	10,000.00	-
(iv) Tata Capital Limited	<u>5,000.00</u>	<u>-</u>
	<u>92,000.00</u>	<u>18,000.00</u>

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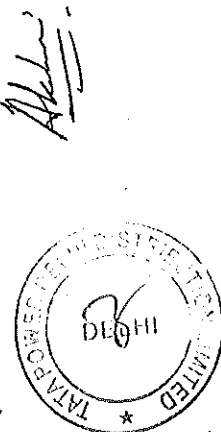


**NORTH DELHI POWER LIMITED**  
**SCHEDULES FORMING PART OF THE BALANCE SHEET**

SCHEDULE 2		GROSS BLOCK				DEPRECIATION				All amounts in Rs./ Lacs	
1 FIXED ASSETS (See note 2 (b)) (At Cost)		As at 01.04.2010	Additions	Deletions	As at 31.03.2011	As at 01.04.2010	For the Year	Deletions	As at 31.03.2011	As at 31.03.2011	As at 31.03.2010
A) Power Distribution											
(a) Buildings		19,340.84	1,284.18	-	20,625.02	6,722.09	596.07	-	7,318.16	13,306.86	12,618.75
(b) Plant and Machinery		139,180.26	19,741.42	3,422.51	155,499.17	41,983.31	7,160.95	1,912.37	47,231.89	108,267.28	97,196.95
(c) Transmission Lines and Cable Network		132,897.31	17,185.60	-	150,082.91	51,888.31	4,574.08	-	56,462.39	93,620.52	81,009.00
(d) Furniture & Fittings and Office Equipment		2,985.55	294.79	54.91	3,225.43	1,029.81	188.61	42.48	1,175.94	2,049.49	1,955.74
(e) Vehicles		1,837.45	496.09	556.08	1,777.46	418.72	159.39	171.17	406.94	1,370.52	1,418.73
B) Power Generation											
(a) Building		-	1,512.62	-	1,512.62	-	13.90	-	13.90	1,498.72	-
(b) Plant and Machinery		-	17,412.65	-	17,412.65	-	398.59	-	398.59	17,014.06	-
<b>TOTAL</b>		<b>296,241.41</b>	<b>57,927.35</b>	<b>4,033.50</b>	<b>350,135.26</b>	<b>102,042.24</b>	<b>13,091.59</b>	<b>2,126.02</b>	<b>113,007.81</b>	<b>237,127.45</b>	<b>194,193.17</b>
As at 31.03.2010		262,152.65	37,579.82	3,491.06	296,241.41	93,354.58	11,102.49	2,414.83	102,042.24	194,199.17	168,798.07
2 CAPITAL WORK - IN - PROGRESS (CWIP) (See note 1, ii, iii & iv below)											
(a) Power Distribution		22,304.93	45,086.54	37,536.46	29,855.01	-	-	-	-	29,855.01	22,304.93
(b) Power Generation		19,865.04	12,729.40	18,925.27	13,269.17	-	-	-	-	13,269.17	19,865.04
<b>TOTAL</b>		<b>42,169.97</b>	<b>57,815.94</b>	<b>56,461.73</b>	<b>43,124.18</b>	-	-	-	-	<b>43,124.18</b>	<b>42,169.97</b>
As at 31.03.2010		33,080.04	44,788.38	35,698.45	42,169.97	-	-	-	-	42,169.97	33,080.04

**Notes :**

- (i) Deduction in CWIP is amount capitalised during the year
- (ii) CWIP includes closing capital inventory of Rs. 8,599.77 lacs (Previous year Rs.7,122.28 lacs)
- (iii) CWIP/Fixed Assets includes interest capitalised aggregating to Rs. 1,765.13 lacs during the period (Previous year Rs. 1,893.91 lacs)
- (iv) CWIP includes advances against capital expenditure aggregating to Rs. 3,362.50 lacs (Previous year Rs. 2,992.50 lacs)



**NORTH DELHI POWER LIMITED**  
**SCHEDULES FORMING PART OF THE BALANCE SHEET**

	As at 31.03.2011 Rs./Lacs	As at 31.03.2010 Rs./Lacs
<b>SCHEDULE 8</b>		
<b>INVESTMENTS</b> (See note 2(f))		
<b>Long term, Non Trade Investments (quoted)*</b>		
(a) 11,55,500 (Previous year 11,55,500) units of Rs 100 each in 7.40% GOI securities (2012) **	1,175.34	1,192.69
(b) 7,40,000 (Previous year 7,40,000) units of Rs 100 each in 7.49% GOI securities (2017)***	750.20	751.50
	<u>1,925.54</u>	<u>1,944.19</u>
* earmarked against Contingency Reserve		
** Market Value	1,154.92	1,182.89
*** Market Value	723.42	742.37
<b>SCHEDULE 9</b>		
<b>INVENTORIES</b> (See note 2(e))		
(a) Components and spares	1,501.85	1,054.47
(b) Loose tools	19.71	38.79
	<u>1,521.56</u>	<u>1,093.26</u>
<b>SCHEDULE 10</b>		
<b>SUNDRY DEBTORS</b>		
(a) Debtors for Billed Revenue		
(i) Debts outstanding for more than six months	9,604.57	8,189.21
(ii) Other Debts	12,715.31	9,949.03
(b) Debtors for billed revenue	22,319.88	18,138.24
Less: Provision for doubtful debts	10,757.03	11,604.10
	11,562.85	6,534.14
(c) Debtors for unbilled revenue	14,844.58	15,900.01
	26,407.43	22,434.15
(d) Debtors for sale of power other than NDPL license area	59.13	9.10
(e) Other debtors	241.64	292.10
(f) Tariff recoverable account (See note 11(b))	217,206.00	101,563.00
	<u>243,914.20</u>	<u>124,298.35</u>
Of the above amounts,		
Considered good	243,914.20	124,298.35
Considered doubtful	10,757.03	11,604.10
<b>SCHEDULE 11</b>		
<b>CASH AND BANK BALANCES</b>		
(a) Cash and cheques in hand		
- Cash in hand	64.12	55.84
- Cheques in hand	1,008.71	1,403.02
	1,072.83	1,458.86
(b) Balance with scheduled banks in:		
- Current accounts	6,125.33	5,748.40
- Deposit accounts	1,006.00	1,064.00
	<u>8,204.16</u>	<u>8,271.26</u>

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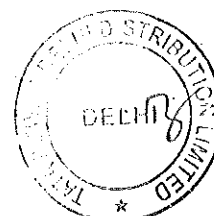


**NORTH DELHI POWER LIMITED**  
**SCHEDULES FORMING PART OF THE BALANCE SHEET**

	As at 31.03.2011 Rs./Lacs	As at 31.03.2010 Rs./Lacs
<b>SCHEDULE 12</b>		
<b>LOANS AND ADVANCES</b> (Unsecured)		
(a) Advances recoverable in cash or in kind or for value to be received	6,548.29	11,395.87
(b) Income tax paid and tax deducted at source [Net of provision for income tax Rs. 20,954.91 lacs (Previous year Rs. 14,771.37 lacs) and FBT Rs. 322.90 lacs (Previous year Rs. 322.90 lacs)]	978.18	1,787.33
(c) Recoverable from SVRS Trust (See note 3h)	3,948.52	5,188.53
	<u>11,474.99</u>	<u>18,371.73</u>
<b>SCHEDULE 13</b>		
<b>CURRENT LIABILITIES AND PROVISIONS</b>		
<b>CURRENT LIABILITIES</b>		
(a) Sundry creditors (See note 23)		
Payable to Micro, Small and Medium enterprise	19.12	0.14
Payable for power purchase	35,987.12	26,930.50
Others	18,285.91	14,049.55
(b) Retention money	3,674.31	3,572.83
(c) Bank overdraft	367.84	14.00
(d) Consumers' deposits for works	20,116.15	10,870.08
(e) Other liabilities	7,909.01	8,307.32
(f) Interest accrued but not due on loans	639.26	460.01
	<u>86,998.72</u>	<u>64,204.43</u>
<b>PROVISIONS</b>		
(a) Provision for employees benefits	1,268.48	912.57
(b) Provision for wealth tax	13.89	13.48
	<u>1,282.37</u>	<u>926.05</u>
	<u>88,281.09</u>	<u>65,130.48</u>

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**NORTH DELHI POWER LIMITED**  
**SCHEDULES FORMING PART OF PROFIT AND LOSS ACCOUNT**

	Year ended 31.03.2011 Rs./Lacs	Year Ended 31.03.2010 Rs./Lacs
<b>SCHEDULE 14</b>		
<b>OTHER OPERATING INCOME</b>		
(a) Late payment surcharge collected (See note 2(d))	1,743.87	1,609.01
(b) Service line charges (See note 2(d))	3,555.56	3,243.49
(c) Commission on		
- DVB arrears collection	3.11	13.10
- Energy tax collection	379.52	353.69
(d) Maintenance charges	1,557.85	1,289.37
(e) Rebate on power purchase	2,345.23	1,935.25
(f) Interest on Investment in Government Securities	122.28	123.14
(g) Transfer from capital grants	38.13	36.84
(h) Transfer from consumer contribution for capital works	1,200.78	752.94
(i) Provision for doubtful debts/advances no longer required written back	1,618.01	6,416.17
(j) Miscellaneous Income operating	227.60	284.71
	<u>12,792.14</u>	<u>16,057.71</u>
<b>SCHEDULE 15</b>		
<b>OTHER INCOME</b>		
(a) Interest (Tax deducted at source Rs. 12.57 lacs (Previous Year Rs. 16.23 lacs)	155.57	100.21
(b) Short term capital gain (non-trade Investments) (See note 22)	2.39	21.40
(c) Income other than energy business	200.13	240.38
(d) Miscellaneous Income	331.56	222.46
	<u>689.65</u>	<u>584.45</u>
<b>SCHEDULE 16</b>		
<b>FUEL COST</b>		
(a) Fuel cost (gross)	5,907.51	-
(b) Less: Capitalised/during trial - run	4,109.54	-
(c) Fuel cost (net)	<u>1,797.97</u>	<u>-</u>

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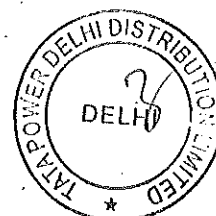


**NORTH DELHI POWER LIMITED**  
**SCHEDULES FORMING PART OF PROFIT AND LOSS ACCOUNT**

	Year ended 31.03.2011 Rs./Lacs	Year Ended 31.03.2010 Rs./Lacs
<b>SCHEDULE 17</b>		
<b>OPERATING MAINTENANCE AND ADMINISTRATIVE EXPENSES</b>		
<b>PERSONNEL AND OUTSOURCING COSTS</b>		
(a) Salaries, allowances and incentives	21,742.91	18,518.07
(b) Contribution to provident and other funds	2,263.15	1,393.35
(c) Staff welfare expenses	1,360.45	905.49
(d) Other Personnel and Outsourcing Cost	1,467.95	1,555.72
	26,834.46	22,372.63
Less: Transferred to Capital-work-in-progress/capitalised (See note 7)	2,991.42	2,779.16
	23,843.04	19,593.47
(e) Sixth pay commission revision for previous years paid/provided		5,856.00
(f) Pension and other payment to VSS retirees (See note 3(h))	809.60	1,418.02
	24,652.64	26,867.49
<b>OPERATING AND MAINTENANCE EXPENSES</b>		
(a) Stores and spares consumed (Net of recoveries)	1,707.24	1,551.19
(b) Repairs and maintenance:		
(i) Building	287.12	263.62
(ii) Plant and machinery	4,552.67	3,846.08
(iii) Others	2,260.37	1,982.06
(c) Loss on sale / retirement of assets	861.00	509.90
	9,668.40	8,152.85
<b>ADMINISTRATIVE AND OTHER EXPENSES</b>		
(a) Communication expenses	308.32	254.60
(b) Printing and stationery	276.73	325.53
(c) Legal and professional charges	816.57	540.42
(d) Travelling and conveyance	267.40	246.41
(e) Insurance	189.40	133.41
(f) Advertisement, publicity and business promotion	265.12	290.29
(g) Rent and hire charges	74.58	69.35
(h) Rates and taxes	168.39	160.62
(i) Electricity charges		0.15
(j) Freight, handling and packing expenses	77.51	63.15
(k) Bill collection and distribution expenses	663.26	709.03
(l) Postage and courier charges	30.47	80.41
(m) EDP expenses	476.00	579.83
(n) Housekeeping expenses	336.35	250.14
(o) Foreign exchange fluctuation loss (net)	(0.94)	5.31
(p) Other expenses (See note 21)	774.30	740.71
	4,723.46	4,449.36
	39,044.50	39,469.70
<b>SCHEDULE 18</b>		
<b>INTEREST AND FINANCING EXPENSE</b>		
(a) Interest on term loan (gross)	12,141.51	8,587.37
Less: Capitalised (See note 8)	1,765.13	1,893.91
Interest on term loans (net)	10,376.38	6,693.46
(b) Interest on cash credit accounts/short term loans	5,241.44	1,335.09
(c) Interest on consumer security deposit (See note 6)	1,640.99	1,407.65
(d) Financing charges	25.51	37.31
	17,284.32	9,473.51

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**NORTH DELHI POWER LIMITED**

**SCHEDULES FORMING PART OF THE FINANCIAL STATEMENT**

**SCHEDULE 19**

**NOTES FORMING PART OF THE ACCOUNTS**

**1. Background**

North Delhi Power Limited (NDPL) 'The Company' engaged in the business of distribution of electricity in North and North-West Delhi was set up in terms of Delhi Electricity Reforms (Transfer Scheme) Rules 2001. The undertaking of erstwhile Delhi Vidyut Board (DVB) engaged in distribution and retail supply of electricity in the North & North-West districts in the National Capital Territory of Delhi together with the personnel employed therein were transferred to the Company with effect from 1 July, 2002 which also marked the commencement of commercial operations for the Company.

The Company has been granted a License under section 20 of the Delhi Electricity Reform Act, 2000 (Act No. 2 of 2001) by the Delhi Electricity Regulatory Commission (DERC) on 11 March, 2004. The License is valid for a period of twenty five years. During the period 1 July, 2002 to the date of grant of License, NDPL was a deemed Licensee.

**2. Significant Accounting Policies**

The financial statements are prepared under the historical cost convention, on the accrual basis of accounting and in accordance with the Generally Accepted Accounting Principles ('GAAP') in India and comply with the accounting standards prescribed by the Companies (Accounting Standards) Rules, 2006, to the extent applicable and in accordance with the provisions of the Companies Act, 1956, as adopted consistently by the Company. As the Company is governed by Electricity Act, 2003 and the saved provisions of Electricity (Supply) Act, 1948, the provisions of the said Acts prevail wherever they are inconsistent with the provisions of the Companies Act, 1956. The significant accounting policies are as follows:

**a. Use of estimates**

The preparation of the financial statements in conformity with generally accepted accounting principles requires the Management to make estimates and assumptions that affect the reporting balances of assets and liabilities and disclosures relating to contingent assets and liabilities as at the date of the financial statements and reporting amounts of income and expenses during the year. Examples of such estimates include provision for doubtful debts, future obligations under employee retirement benefit plans, income taxes, foreseeable estimated contract losses and useful life of fixed and intangible assets. Contingencies are recorded when it is probable that a liability may be incurred, and the amount can be reasonably estimated. Actual results could differ from such estimates.

**b. Fixed assets and depreciation**

- i. All fixed assets are stated at cost. Cost includes its purchase price and any attributable cost of bringing the assets to their working condition for their intended use.
- ii. Assets transferred from erstwhile DVB are stated at the transaction value as notified by the Government of National Territory of Delhi (GNCTD) under the Transfer Scheme. Values assigned to different heads of individual fixed assets as on the date of the transfer i.e. 1 July, 2002 as per an independent technical valuer's estimation.
- iii. Fixed Assets are eliminated from financial statements, either on disposal or when retired from active use or on becoming redundant. Generally, such retired assets are disposed off soon thereafter.



- iv. Depreciation for the year in respect of electricity distribution business fixed assets has been provided on straight line method. In terms of the order issued by Ministry of Company Affairs (MCA) dated 27 November, 2008 the Company may provide depreciation on assets for which no specific rate of depreciation is mentioned in Schedule XIV of Companies Act, 1956 on the basis of useful life as notified by Central Electricity Regulatory Commission (CERC) vide notification number L-7/25(5)/2003-CERC dated 26 March, 2004 and calculated in a manner which has the effect of writing off by way of depreciation, ninety five percent (95%) of the original cost of each such depreciable asset on the expiry of the specified useful life. The Company had further engaged an independent valuer to validate the life of assets as specified in the CERC notification. Based on the report of the independent valuer the Company has provided depreciation at the rates calculated by taking the life of assets as mentioned in CERC notification or as per independent value whichever is lower.

Based on the above, the depreciation rates computed and used for various classes of assets are:

Description of Assets	Rate of Depreciation
Plant & Machinery (other than computers, Batteries & meters)	3.80% to 6.33%
Transmission Lines, Cable Network	2.71% to 6.33%
Meters	9.50%
Batteries	19.00%
Office Equipment	6.33%

- v. Depreciation for the year in respect of fixed assets used for electricity generation has been provided on straight line method. The depreciation has been calculated in a manner which has the effect of writing off by way of depreciation, ninety five percent (95%) of the original cost of each such depreciable asset on the expiry of the specified useful life.

Based on the above, the depreciation rates computed and used for various classes of assets are:

Description of Assets	Rate of Depreciation
Building	3.34%
Plant & Machinery (other than computers)	3.80% to 15.83%
Computer	16.21%

- vi. Assets costing less than Rs. 5,000 on which depreciation rate is applicable as per Schedule XIV of Companies Act 1956, are depreciated fully in the year of first use for both distribution and generation business
- vii. Depreciation in respect of other fixed assets of distribution and generation business in respect of which specific rate of depreciation is mentioned in Schedule XIV of Companies Act, 1956 have been recognised in the Profit and Loss Account at the rate mentioned therein.

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**c. Accounting for Grants**

- i. Grants relating to depreciable fixed assets are treated as deferred income to be recognised in the profit & loss statement over the useful life of the asset in the proportion in which depreciation on the related assets is charged.
- ii. Grant relating to the revenue are recognised in the profit and loss account and are deducted in reporting the related expense.

**d. Revenue Recognition**

- i. Revenue from power supply is accounted for on the basis of billings to consumers and includes unbilled revenues accrued up to the end of the accounting year.
- ii. 'Late Payment Surcharge' on electricity billed and bills raised for dishonest abstraction of power are recognised, on grounds of prudence, as and when recovered from the consumers.
- iii. The amount received from consumers on account of Service Line charges are treated as Income on installation of connection.

**e. Inventories**

Inventories of stores and spares parts and loose tools are valued at lower of cost net of provision for diminution in value or net realisable value. Cost is determined on the 'Weighted average' basis.

Components and spares inventory include items which could be issued for projects to be capitalised.

**f. Foreign currency transactions**

Foreign exchange transactions are recorded at the rates of exchange prevailing on the date of the transaction. Realised gains and losses on foreign exchange transactions during the year are recognised in the profit and loss account. Foreign currency assets and liabilities denominated in foreign currencies, at the year end are translated into rupees at the year end rates and resultant gains/losses on foreign exchange translations are recognised in the profit and loss account.

In respect of forward exchange contracts, the difference between the forward rate and the rate at the inception of a forward contract is recognised as income or expense over the life of the contract. Any income or expense on account of exchange differences either on settlement of the contract or on translation of the unmatured foreign currency contract at the rate prevailing on the date of the Balance Sheet date is recognised in the profit and loss account.

**g. Employee benefits**

**A. Short-term employee benefits**

The undiscounted amount of short-term employee benefits expected to be paid in exchange of services rendered by employees is recognised during the period when the employee renders the services. These benefits include salaries, wages, bonus, performance incentives and leave travel allowance.

Short term employee benefits are recognised as an expense at the undiscounted amount in the profit and loss account of the year in which the related service is rendered.




**B. Post-employment benefits**

**i. Defined Contribution Plans**

**Erstwhile DVB Employees**

The Company's contributions into the DVB Employees Terminal benefit Fund 2002 ('the Trust') for the erstwhile DVB Employees as per the Transfer Scheme are defined contribution plans. Provisions for contributions towards all terminal / retirement benefits including gratuity, pension and leave encashment on separation of erstwhile DVB employees are made on the basis of the Fundamental Rules and Service Rules (FRSR Rules) as determined by the trustees of the Trust. Payments to defined contribution retirement benefit schemes are charged as an expense as they fall due.

**Employees other than from Erstwhile DVB**

The Company makes contribution towards provident fund to a defined contribution retirement benefit plan for qualifying employees. The Company's contribution to the Employees Provident Fund is deposited by the Company under the Employees Provident Fund and Miscellaneous Provisions Act, 1952 which is recognised by the Income Tax authorities. The provident fund plan is operated by the Regional Provident Fund Commissioner. Under the scheme, the Company is required to contribute a specified percentage of payroll cost to the retirement benefit scheme to fund the benefits.

**ii. Defined Benefit Plans**

**Employees other than from Erstwhile DVB**

The Company's gratuity plan is a defined benefit plan. The present value of the obligation under such defined benefit plan is determined based on actuarial valuation using the projected unit credit method, which recognises each period of service as giving rise to additional unit of employee benefit entitlement and measures each unit separately to build up the final obligation. The obligation is measured at the present value of the estimated future cash flows. The discount rate used for determining the present value of the obligation under defined benefit plans, is based on the market yields on government securities as at the balance sheet date. Actuarial gains and losses are recognised immediately in the profit and loss account.

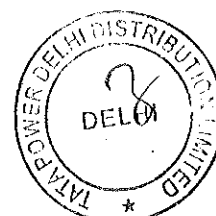
The Company has taken the group policy with Life Insurance Corporation of India (LIC) to meet its obligation towards gratuity. Liability with respect to the gratuity plan is determined based on an actuarial valuation done by an independent actuary at the year end and any differential between the fund amount as per LIC and the actuarial valuation is charged immediately to profit and loss account.

**C. Other Long Term Employee Benefits**

**Employees other than from Erstwhile DVB**

Benefits comprising compensated absences constitute other long term employee benefits. The liability for compensated absences is provided on the basis of an actuarial valuation done by an independent actuary at the year end. Actuarial gains and losses are recognised immediately in the profit and loss account.

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**h. Taxation**

Income tax comprises current income tax and deferred tax. Current income tax is measured at the amounts expected to be paid to the tax authorities in accordance with the Income Tax Act 1961.

Deferred tax assets and liabilities are recognised for the future tax consequences of timing differences subject to the consideration of prudence. Deferred tax assets and liabilities are measured using the tax rates enacted or substantively enacted at the balance sheet date.

Minimum alternative tax (MAT) paid in accordance to the tax laws, which gives rise to future economic benefits in the form of adjustment of future income tax liability, is considered as an asset if there is convincing evidence that the Company will pay normal income tax after the tax holiday period. Accordingly, MAT is recognised as an asset in the balance sheet when it is probable that the future economic benefit associated with it will flow to the Company and the asset can be measured reliably.

**i. Consumer contribution to capital works**

Consumer's contribution towards cost of capital assets is treated as capital receipt and credited in current liabilities until transferred to a separate account on commissioning of the assets. An amount equivalent to the depreciation charge for the year on such assets is appropriated from this account as income to the profit and loss account over the useful life of the assets.

**j. Earnings per share (EPS)**

The Company reports basic and diluted earnings per equity share in accordance with Accounting Standard 20, Earnings Per Share. Basic earnings per equity share has been computed by dividing net profit after tax and transfer to statutory contingency reserve, if any by the weighted average number of equity shares outstanding for the year. The Company does not have any potential dilutive equity shares.

**k. Borrowing Cost**

The borrowing cost of the long term loans taken for capital expenditures are capitalised till commissioning of these assets. Thereafter, such borrowing costs are recognised as an expense in the period in which they are incurred.

**l. Investment**

Long term investments are stated at cost, less provision for diminution in value other than temporary, if any. Current investments are stated at lower of cost or fair value at the balance sheet date.

**m. Impairment**

At each balance sheet date, the Company reviews the carrying amounts of its fixed assets to determine whether there is any indication that those assets suffered an impairment loss. If any such indication exists, the recoverable amount of the asset is estimated in order to determine the extent of impairment loss. Recoverable amount is the higher of an asset's net selling price and value in use. In assessing value in use, the estimated future cash flows expected from the continuing use of the asset and from its disposal are discounted to their present value using a pre-discount rate that reflects the current market assessments of time value of money and the risks specific to the asset.

Impaired Assets are eliminated from financial statements, either on disposal or when retired from active use or on becoming redundant. Generally, such retired assets are disposed off soon thereafter.




Impairment loss and reversal of the same is recognised immediately in the profit and loss account.

**n. Provisions and contingencies**

A provision is recognised when the Company has a present obligation as a result of a past event, when it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation and reliable estimate can be made of the amount of the obligation. A contingent liability is recognised where there is a possible obligation or a present obligation that may, but probably will not, require an outflow of resources.

**3. Contingent Liabilities**

Particulars		As at 31.03.11 Rs./lacs	As at 31.03.10 Rs./lacs
<b>a. Claims against the Company not acknowledged as debts:</b>			
i.	Legal cases filed by consumers, employees and others under litigation	681.22	765.71
ii.	Property tax demands raised by municipal authorities	632.00	572.00
iii.	Water charges demand raised by Delhi Jal Board (DJB)	38.99	40.23
b.	Estimated amount of contracts remaining to be executed on capital account (net of advances) and not provided for	39,167.41	35,399.78
c.	Unexpired letters of credit	26,763.00	22,193.20
d.	Guarantee issued by the bankers against Company's counter guarantee	1,163.95	1,192.47
e.	'C' Forms pending issue from Sales Tax Department for the financial year 2002-03, 2003-04, 2008-09, 2009-10 and 2010-11	59.44	45.21
f.	Interest on income tax under various provision of Income Tax Act, 1961	1,171.03	889.97
g.	As per the provisions of the Transfer Scheme pursuant to Delhi Electricity Reforms Act, 2002, the liabilities arising out of litigation, suits, claims etc. pending on the date of transfer (i.e. 1 July, 2002) and/or arising due to events prior to that date shall be borne by the Company subject to limit in the aggregate of Rs. 100 lacs (Previous Year Rs. 100 lacs) per annum.		
h.	The Company had introduced a Voluntary Separation Scheme (VSS) for its employees in December 2003, in response to which 1,798 employees were separated. As per the Scheme, the retiring employees were paid Ex-gratia separation amount by the Company. They were further entitled to Retiral Benefits (i.e. gratuity, leave encashment, pension commutation, pension, medical and leave travel concession), the payment obligation of which became a matter of dispute between the Company and the DVB Employees Terminal Benefit Fund 2002 ('the Trust'). The Trust is, however, of the view that its liability to pay retiral benefits arises only on the employee attaining the age of superannuation or on death whichever is earlier. On 1 November, 2004, the Company entered into a Memorandum of Understanding with the Government of National Capital territory of		

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Delhi (GNCTD) and a special Trust namely Special Voluntary Retirement Scheme Retirees Terminal Benefit Fund, 2004 Trust (SVRS RTBF, 2004 Trust) was created.

For resolution of the issue through the process of law, the Company had filed a Writ, before the Hon'ble Delhi High Court. The Hon'ble Court has pronounced its judgement on this issue on 2 July, 2007 whereby it has provided two options to the Discoms for paying terminal benefits / residual pension to the Trust:

- I. Terminal benefits due to the VSS optees and to be paid by Discoms which shall be reimbursed to Discoms by the Trust without interest on normal retirement / death (whichever is earlier) of such VSS optees. In addition, the Discoms shall pay the Retiral Pension to VSS optees till their respective dates of normal retirement, after which the Trust shall commence payment to such optees.
- II. The Trust to pay the terminal benefits and all dues of the VSS optees on reimbursement by Discoms of 'Additional Contribution' required on account of premature payout by the Trust which shall be computed by an Arbitral Tribunal of Actuaries.

The Company considers the second option as more appropriate and also estimates that the liability under this option shall be lower than under the first option which is presently being followed. Pending computation of the liability by the Arbitral Tribunal of Actuaries due to delay in appointment of the same, no adjustment has been made in these financial statements. Subsequent to the year end the Hon'ble Delhi High Court has pronounced that Actuaries are to be appointed within a stipulated period.

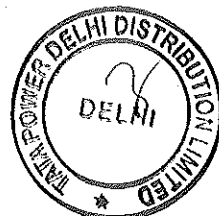
While the writ petition was pending, the Company had already advanced Rs. 7,774.35 lacs (Previous Year Rs. 7,774.35 lacs) to the SVRS Trust for payment of retiral dues to separated employees. Against this, the Company had recovered Rs. 2,971.04 lacs (Previous Year Rs. 2,971.04 lacs) and adjusted an amount of Rs. 1,655.90 lacs (Previous Year Rs. 450.00 lacs) from pension, leave salary and other contribution totaling to Rs. 4,626.94 lacs (Previous Year Rs. 3,421.04 lacs), against a claim of Rs. 5,674.44 lacs (Previous Year Rs. 4,717.84 lacs) from the SVRS Trust in respect of retirees, who have expired or attained the age of superannuation till 31 March, 2011.

In addition to the payment of terminal benefits / residual pension to the Trust, the Hon'ble Delhi High Court in its above Order has held that the Discoms are liable to pay interest @ 8% per annum on the amount of terminal benefits for the period from the date of voluntary retirement to the date of disbursement. Consequently, the Company has paid Rs. 801.27 lacs in FY 2008-09 as interest to VSS optees.

The Company is of the opinion that the total liability for payment of terminal benefits to the trust based on actuarial valuation including payment of interest to VSS optees, would be less than the amount of retiral pensions already paid to the VSS optees and charged to profit and loss account. Consequently, pending valuation of 'Additional Contribution' to be computed by an Arbitral Tribunal of Actuaries, the Company has shown interest of Rs. 801.27 lacs (Previous Year Rs. 801.27 lacs) paid to VSS optees, in addition to retiral dues of Rs. 3,147.41 lacs (Previous Year Rs. 4,353.31 lacs) as recoverable and are reflected in Rs. 3,948.52 lacs (Previous Year Rs. 5,188.53 lacs) as shown in Schedule-12 of the financial statements.

Apart from this, the Company has also been paying the retiral pension to the VSS optees till their respective dates of normal retirement or death (whichever is earlier). DERC has approved the aforesaid retiral pension amount in its Aggregate Revenue Requirement (ARR) and the same has been charged to the profit and loss account.

- I. The Company had bought goods from local suppliers, which were used in the business of distribution of electricity. These goods received were subject to the issuance of Exemption certificate in terms of Rule 11 (clause XII) of the Delhi Sales Tax Rules, 1975. In case of some of the suppliers, the sales tax authorities have denied exemption to them. Some suppliers, being the aggrieved parties, have preferred appeal against the assessment order.





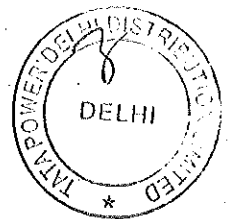
The Company has also proactively filed a writ petition in the Hon'ble Delhi High Court, as the Sales Tax authorities have rejected the Company's application to intervene or represent on behalf of the dealers on the ground that Company does not have locus-standi directly to approach the appellate authorities against the denial of exemption to its suppliers. The Hon'ble High Court has heard the writ petition on 21 March, 2006 and has issued an order that the pendency of this writ petition shall not prevent the Appellate Authority and the Tribunal from hearing and disposing of the appeal on merits in accordance with the law which is pending before them against the order of suppliers of the Company impugned in this petition. The Court has also made clear that the Company (the petitioner) may suitably amend this petition so as to challenge the orders issued by the lower appellate authorities, if the same goes against the dealers. In a recent judgment dated 10 September, 2009 the assessing authority has decided the case against the Company's suppliers and they have preferred an appeal against the said order on 24 December 2009 before the Additional Commissioner of Department of Trade & Taxes, Government of National Capital Territory of Delhi (GNCTD). If the decision of the appellate authorities goes against the Company's suppliers, the Company would have a right to appeal before the Hon'ble High Court. In case even the Hon'ble High Courts' decision is unfavorable to the Company, a liability of Rs. 1,005.00 lacs plus interest, if any (Previous Year Rs. 1,005.00 lacs) would arise on account of local sales tax.

- j. The liability stated in the opening Balance Sheet of the Company as per the Transfer Scheme as on 1 July, 2002 in respect of consumers' security deposit was Rs. 1,000 lacs (Previous Year Rs. 1,000 lacs). The Company had engaged an independent agency to validate the sample data in digitized form of consumer security deposit received by the erstwhile DVB from its consumers. As per the validation report submitted by this agency the amount of security deposit received from consumers aggregated to Rs. 6,670.51 lacs. The Company has been advised that as per the Transfer Scheme, the liability in excess of Rs. 1,000 lacs (Previous Year Rs. 1,000 lacs) towards refund of the opening consumer deposits and interest thereon is not to the account of the Company. Since the GNCTD was of the view that the aforesaid liability is that of the Company, the matter was referred to Delhi Electricity Regulatory Commission (DERC). During the year 2007-08, DERC vide its letter dated 23 April, 2007 has conveyed its decision to the GNCTD upholding the Company's view. As GNCTD has refused to accept the DERC decision as binding on it, the Company has filed a writ petition in the Hon'ble Delhi High Court and the matter has been listed for hearing on 19 October, 2011. No stay has been granted by the Hon'ble High Court in the matter for refund of consumer security deposits and payment of interest thereon.
- k. The Company has received an Income tax assessment order dated 23 December, 2008 for Assessment Year (AY) 2006-07 under Section 143(3) of the Income Tax Act, 1961 raising a demand of Rs. 3,538.76 lacs (Previous Year Rs. 3,538.76 lacs) primarily on the ground of add back of Rs. 9,113 lacs pertaining to revenue available for future tariff determination and other minor disallowances. The penalty proceedings u/s 271(1)(c), have also been initiated. The Company has filed an appeal before the Commissioner of Income Tax (Appeals) and simultaneously filed an application for stay of demand. Against the said demand the Company has deposited Rs. 400 lacs in FY 2008-09 and the Additional Commissioner of Income Tax has further adjusted refund due of Rs. 402.63 lacs, Rs. 554.11 lacs and Rs. 584.95 lacs for Assessment Year (AY) 2003-04, 2005-06 and 2008-09 respectively. The appeal which was filed before CIT-A, has been decided partly against the Company resulting in reducing demand to Rs. 2,248.79 lacs for which the Company has filed an appeal before the Appellate Tribunal on 4 November, 2010 which is pending for disposal. The Income Tax Department also filed appeal before ITAT against the order of CIT-A which is also pending for disposal.

The Company has also received the assessment order for AY 2007-08 under Section 143(3) dated 29 December, 2009 raising a demand of Rs. 3,148.25 lacs (including interest) primarily on the grounds of add back of Rs. 11,439 lacs of revenue available for future tariff determination, add back of Rs. 1,017.87 lacs of Energy Tax disallowed u/s 43B, and other minor disallowances. The penalty proceedings u/s 271(1)(c), have also been initiated. The Company has filed an appeal before Commissioner of Income Tax (Appeals) and simultaneously filed an application for stay of demand and reply to

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the penalty show cause notice. Further the Company has deposited Rs. 700 lacs in FY 2010-11 and Rs. 400 lacs in FY 2009-10 against the said demand.

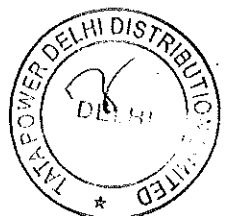
The Company has also received the assessment order for AY 2003-04 under Section 143(3)/147 dated 23 December, 2009 raising a demand of Rs. 634.19 lacs primarily on account of provision for bad and doubtful debts. The penalty proceedings u/s 271(1)(c), have also been initiated. The Company has filed an appeal before the Commissioner of Income Tax (Appeals) and simultaneously filed an application for stay of demand and reply to the penalty show cause notice. Further the Company has deposited Rs. 350 lacs for the said demand on 26 February, 2010. The Appeal filed before CIT(A) has been partly allowed resulting in reducing demand to Rs. 549.28 lacs. Against the order of CIT (A), Company has filed Appeal before ITAT on 16 March 2011 which is pending for disposal. The department has also filed an appeal before ITAT against this order which is also pending for disposal.

The Company has also received assessment order for AY 2008-09 under Section 143(3) dated 31 December, 2010 raising a demand of Rs. 99.35 lacs (including interest) primarily on account of addition of Rs. 699.56 lacs pertaining to Provision for Doubtful Debts and other minor disallowances in Book profit calculated under Section 115JB. The Company has filed an appeal before Commissioner of Income Tax (Appeals) against the order of assessing officer on 31 January 2011 which is pending for disposal.

- I. Power Grid Corporation of India Limited (PGCIL) has filed a petition on 20 March, 2009 with Central Electricity Regulatory Commission (CERC) under regulation 12 and 13 of the CERC (Terms & Conditions of Tariff) Regulations, 2004 for permission to bill and recover service tax on transmission and other charges recoverable by the Government of India in terms of Section 64 of the Finance Act 1994, for the period 2004-2009. PGCIL has transmitted electricity to NDPL commencing 1 April 2007 and the Company's view was that service tax is not applicable on transmission charges for transmission of electricity. Pending decision of levy of service tax on transmission charges by the Central Excise / Service Tax Authorities and CERC, the Govt vide its notification nos. no 11/2010 dated 27 February, 2010 and no 45/2010 dated 20 July, 2010 has notified that Service Tax is not payable on taxable services relating to transmission and distribution of electricity. CERC vide its order dated 23 September, 2010 has dismissed the petition of PGCIL to bill and recover service tax.
- m. In view of para 6.8 of the Multi Year Tariff Order (MYT Order) dated 20 December, 2007 Delhi Transco Limited (DTL) has filed a petition on 29 February, 2008 for determination of the reactive energy charges payable by beneficiaries including NDPL. In the petition DTL has asked the Delhi Electricity Regulatory Commission (the Commission) to allow / approve reactive energy charges at 10 paise per KVARh to discourage utilisation of reactive power by beneficiaries. In the said petition the Commission has vide its order dated 3 September, 2008 directed DTL to carry out a comprehensive study and submit a report to the Commission and in the meanwhile the Commission has asked to maintain status quo in respect of reactive energy charges. On 16 July, 2010 the Commission has decided the above issue by revising the rate of Reactive Energy Charges @ 10 paise per KVARh in line with the Central Electricity Regulatory Commission (CERC) and accordingly SLDC is raising bills on the revised rates.

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#### 4. Bilateral Power Purchase Agreement

The Company has made bilateral arrangements with other power utilities to bank power or vice versa and take back or return the same over agreed period. Power banking transactions both ways are recorded at the rate of Rs. 4.00 per unit being the applicable rate as per directive of DERC/ contract rate. Details of power banked during the year ended 31 March, 2011 are as follows:

Opening balance as at 1 April, 2010	Power banked (Outflow)	Power due against banked	Actual receipt	Power due against receipt	Balance receivable/ (payable)
(Mu's) A	(Mu's) B	(Mu's) C	(Mu's) D	(Mu's) E	(Mu's) F=A+C-E
195.70	158.28	157.86	383.17	389.27	(35.71)
413.75	236.88	237.18	455.23	455.23	195.70

Note: Figures in italics pertains to previous year.

#### 5. Power Purchase Cost

The Company has entered into power purchase agreements based on projected demand of power to be supplied to the consumers. During certain time slots the power arranged may be in excess of the actual demand and in some time slots the demand may exceed prior arrangements. In the event power procured exceeds demand, since the same cannot be stored, is either sold through bilateral arrangements or allowed to be drawn by other utilities from the Grid at a charge. During the current year, the Company has sold/under-drawn 1,051.34 (Previous Year 723.62) million units of power to / in favour of other utilities. The power purchase cost Rs. 308,970.80 lacs (Previous Year Rs. 255,882.63 lacs) net of sale of power/ UI receivables Rs. 31,397.25 lacs (Previous Year Rs. 29,946.81 lacs) and excludes in- house power generation cost.

#### 6. Interest on Consumer Security Deposit

As per the provisions of section 47(4) of the Electricity Supply Act, 2003 interest on consumer security deposits is payable at the bank rate as per the notification by DERC. During the year 2007, DERC had issued Delhi Electric Supply Code and Performance Standards Regulations, which came into force from 18 April, 2007 through notification in the Official Gazette. As per clause 16 (vi) of the Regulations, interest at the rate of 6% per annum is payable on consumer security deposits received from all consumers. In view of the fact that the matter of liability on account of opening consumer security deposits in excess of Rs. 1,000 lacs (Previous Year Rs. 1,000 lacs) transferred to the Company as per the Transfer Scheme is sub-judice and no stay has been granted on payment of interest on and/ or refund of opening consumer security deposits in excess of Rs. 1,000 lacs (Previous Year Rs. 1,000 lacs), the Company has provided interest expense aggregating to Rs. 1,640.99 lacs (Previous Year Rs. 1,407.65 lacs) during the year on the outstanding consumer security deposits received by the Company since takeover of business in July 2002 and also on the estimated total consumer security deposits received by the erstwhile DVB as per the Company's records. Out of the above interest expenditure, an amount of Rs. 192.07 lacs (Previous Year Rs. 193.31 lacs) would be recoverable from DPCL if the Company's contention is upheld by the Hon'ble High Court that the Company's liability for interest payment/ refund on account of opening consumer security deposits is only to the extent of Rs. 1,000 lacs liability transferred to it as per the statutory transfer scheme. (Also see note 3j).

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**7. Capitalisation of Personnel Cost**

The Company has transferred 10% of the personnel costs aggregating to Rs. 2,645.18 lacs (Previous Year Rs. 2,565.04 lacs) to Capital Work In Progress (CWIP) during the year as per the directives of the DERC vide its tariff order dated 26 June, 2003. Apart from the above the Company has also capitalised/ transferred to CWIP Rs. 346.24 lacs (Previous Year Rs. 214.12 lacs) in respect of personnel cost attributable to the generation plant.

**8. Capitalisation of Borrowing Cost**

During the year the Company has transferred an amount of Rs. 1,765.13 lacs (Previous Year 1,893.91 lacs) to CWIP/Fixed Assets being the amount of borrowing cost incurred during the year on Capital Work in Progress/Fixed Assets.

**9. Contingency Reserves**

Contingency reserves represent the transfer of such reserves in terms of para IV of the sixth schedule to the Electricity (Supply) Act, 1948. Since Electricity (Supply) Act, 1948 has been repealed and replaced by Electricity Act, 2003 which does not have any such stipulation with regards to contingency reserve; no appropriation was made from financial year 2005-06 onwards.

DERC, vide the Delhi Electricity Regulatory Commission (Terms and Conditions for Determination of Wheeling Tariff and Retail Supply Tariff) Regulations, 2007 issued on 30 May, 2007, has stipulated that the profits arising from achieving loss levels better (i.e. lower) than specified by the DERC shall be partly retained by the Licensee in addition to the assured returns and balance transferred to the Contingency Reserve. Since there is a large Revenue Gap yet to be recovered through future tariff, the Company has given representation to DERC that the consumers' share of over achievement of incentive should be transferred to Contingency Reserve only when revenue surplus is determined. Pending outcome of such representation no amount has been transferred to Contingency Reserve during the current year.

**10. Loan Funds**

**a. Secured Loan**

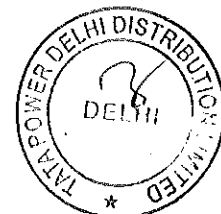
- i. The Company has availed cash credit limits from consortium of four banks led by State Bank of India. These cash credits are secured by a third charge on receivables and first charge on stores and spares (not relating to plant and machinery) and first pari passu charge on fixed assets.

- ii. Industrial Development Bank of India

Term loan from Industrial Development Bank of India Limited (IDBI) is secured by first pari-passu charge on all the present and future immovable and movable assets (except book debts), a third pari-passu charge on the receivables and a first charge on a Debt Service Reserve Account (Exclusive to this loan). Repayment of 40% of the loan had commenced from 15 January, 2007 and will be repaid in 20 quarterly installments. The balance 60% of the loan is repayable in 20 equal quarterly installments, whose repayment shall commence from 15 January, 2012.

- iii. State Bank of Mysore

Term loan from State Bank of Mysore is secured by first pari-passu charge on all the present and future immovable and movable assets (except book debts), a third pari-passu charge on the receivables and a first charge on a Debt Service Reserve Account (Exclusive to this loan). Repayment of 40% of the loan had commenced from 15 January, 2007 and will be repaid in 20 equal quarterly installments. The balance 60% of the loan is repayable in 20 equal quarterly installments, whose repayment shall commence from 15 January, 2012.



iv. State Bank of Saurashtra (now merge with State Bank of India)

Term loan from State Bank of Saurashtra is secured by first pari-passu charge on all the present and future immovable and movable assets (except book debts), a third pari-passu charge on the receivables and a first charge on a Debt Service Reserve Account (Exclusive to this loan). Repayment of 40% of the loan had commenced from 15 January, 2007 and will be repaid in 20 equal quarterly installments. The balance 60% of the loan is repayable in 20 equal quarterly installments whose repayment shall commence from 15 January 2012.

v. United Bank of India

Term loan from United Bank of India is secured by first pari passu charge on all the present and future immovable and movable assets (except book debts), intangibles, rights etc. in the project documents, clearances, claims and demands of the Company in any letter of credit/ guarantee, etc., all insurance contracts/ proceeds, and a third pari passu charge over the receivables. The repayment of loan has commenced from 15 October, 2008 and will be repaid in 40 quarterly installments.

vi. Punjab and Sind Bank

Term loan from Punjab and Sind Bank is secured by first pari-passu charge on all the present and future fixed assets (movable and immovable), stores and spares and a third pari-passu charge on the receivables. The repayment of loans has commenced from 15 April 2010 and 15 May 2010 and will be repaid in 38 quarterly installments.

vii. Dhanlaxmi Bank

Term loan from Dhanlaxmi Bank is secured by first pari-passu charge on all the present and future fixed assets (movable and immovable), stores and spares and a third pari-passu charge on the receivables. Repayment of 50% of the loan had commenced from 15 April, 2010 and will be repaid in 20 quarterly installments. The balance 50% of the loan is repayable in 8 equal quarterly installments, whose repayment shall commence from 15 April, 2015.

viii. Union Bank of India

The Company has entered into a term loan agreement with Union Bank of India on 5 May, 2010 for Rs. 15,000 lacs at an interest rate of BPLR of Union Bank minus 2.75% spread and on 24 March, 2011 for another Rs. 10,000 at an interest rate of 1.75% plus Union Bank base rate with reset at every three years on anniversary date at 1.75% plus Union Bank base rate at the date of reset. Both the loans are to finance capital expenditure projects/working capital requirements of the Company. The loan of Rs. 15,000 is repayable in 38 quarterly installments starting from 15 October, 2010 and loan of Rs. 10,000 is repayable in 36 quarterly installments starting from 15 October, 2011. Both the loans are secured by first pari-passu charge on all the present and future movable and immovable fixed assets, stores and spares and a third pari-passu charge on the receivables.

ix. Allahabad Bank

The Company has entered into term loan agreements with Allahabad Bank:

- a. On 24 December, 2010 for Rs. 10,000 lacs at an interest rate of 9.50% with reset at every three years, repayable in 36 quarterly installments starting from 15 January, 2012. The Company has drawn the entire amount upto 31 March, 2011.

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- b. On 23 March, 2011 for Rs. 15,000 lacs at an interest rate of 10.50% with reset at every three years, repayable in 36 quarterly installments starting from 15 March, 2012. The Company has drawn Rs. 5,000 lacs upto 31 March, 2011.

The aforesaid loans are to finance the capital expenditure requirements of the Company and are secured by first pari-passu charge on entire fixed assets, stores and spares and a third pari-passu charge on the receivables.

x. Industrial Development Finance Company Limited (IDFC)

Loan	Year end balance (Rs./lacs)	Repayment Terms
I	15,180.00	Repayment of Rs. 27,600 lacs had commenced from 15 October, 2006 and will be repaid in 40 quarterly installments.
II	4,300.00	Repayment of Rs. 7,000 lacs had commenced from 15 April, 2005 and will be repaid in 40 quarterly installments. Repayment of Rs. 3,000 lacs had commenced from 15 April, 2006 and will be repaid in 40 quarterly installments.
III	13,562.50	Repayment of Rs. 17,500 lacs had commenced from 15 January, 2009 and will be repaid in 40 quarterly installments thereafter.
IV	4,750.00	Repayment of Rs. 5,000 lacs had commenced from 15 October 2010 and will be repaid in 40 quarterly installments.

All the above IDFC Loans are secured by first pari-passu charge on all the present and future movable and immovable assets (except book debts), intangibles, rights etc. in the project documents, clearances, claims and demands of the Company in any letter of credit/ guarantee etc., all insurance contracts/proceeds, a third pari-passu charge on the receivables and a first charge on a Debt Service Reserve Account (exclusive to this loan).

xi. Power Finance Corporation Limited

Term loan from Power Finance Corporation Limited is secured by first pari-passu charge on all the present and future movable and immovable assets (except book debts), stores and spares, intangibles, a third pari-passu charge on the receivables and a first charge on a Debt Service Reserve Account (exclusive to this loan). The repayment of the loan had commenced from 15 January, 2006 and will be repaid in 40 quarterly installments thereafter.

xii. Axis Bank CLSS 7 Trust 2010

Term loan from Axis Bank CLSS 7 Trust 2010 is secured by first pari-passu charge on all the present and future fixed assets (movable and immovable), stores and spares, intangibles and a third pari-passu charge on the receivables. The loan is repayable in 40 equal quarterly installments commencing from 15 July 2010.

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**b. Unsecured Loans**

**i. Punjab National Bank**

The Company has availed a short term loan of Rs. 10,000 lacs for working capital requirements from Punjab National Bank in October, 2010 (Drawn Rs 5,000 lacs on October 29, 2010 and Rs 5,000 lacs on October 30, 2010) at floating interest rate of 0.75 % plus PNB base rate payable monthly. The loan is repayable after twelve months from the date of first disbursement.

**ii. Union Bank of India**

The Company has availed a short term loan of Rs. 10,000 lacs for working capital requirements from Union Bank of India on in August, 2010 (Drawn Rs 4,500 lacs on 30 August, 2010 and Rs 5,500 lacs on 31 August, 2010) at interest rate of 9.50% payable monthly. The loan is repayable in two quarterly installments starting from 1 June, 2012.

**iii. Punjab & Sind Bank**

The Company has availed a short term loan of Rs. 5,000 lacs on February 04, 2011 at interest rate of 11.25% payable monthly and another short term loan of Rs. 10,000 lacs on March 28, 2011 at interest rate of 11.00% for working capital requirements from Punjab & Sind Bank. Both the loans are repayable after 12 months from the date of respective disbursement.

**iv. Karnataka Bank Limited**

The Company has availed a short term loan of Rs. 5,000 lacs for working capital requirements from Karnataka Bank in October, 2010 (Drawn Rs 1,500 lacs on October 12, 2010 and Rs 3,500 lacs on October 13, 2010) at interest rate of 9.00% payable monthly. The loan is repayable after twelve months from the date of first disbursement.

**v. Dena Bank**

The Company has availed a short term loan of Rs. 6,000 lacs for working capital requirements from Dena Bank in October, 2010 (Drawn Rs 2,500 lacs on October 30, 2010 and Rs 3,500 lacs on November 30, 2010) at interest rate of 9.25% payable monthly. The loan is repayable after twelve months from the date of first disbursement.

**vi. South Indian Bank**

The Company has availed a short term loan of Rs. 10,000 lacs for working capital requirements from South Indian Bank in February 2011 (Drawn Rs. 5,000 lacs on 10 February, 2011 and Rs. 5,000 lacs on 28 February, 2011) at interest rate of 11.00% payable monthly. The loan is repayable after twelve months from the date of first disbursement.

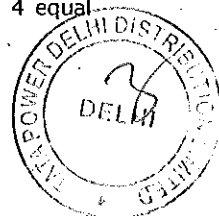
**vii. Axis Bank CLSS 8 Trust 2010**

The repayment of loan availed from Axis Bank CLSS 8 Trust 2010 in FY 2009-10 has commenced from 15 July, 2010 and repayable in 20 quarterly installments thereafter.

**viii. Axis Bank CLSS 2 Trust 2011**

The Company has availed term loan of Rs. 12,500 lacs for capital expenditure and general corporate purposes from Kotak Mahindra Prime Limited in April, 2010 (Drawn Rs 5,000 lacs on April 29, 2010 and Rs 7,500 lacs on April 30, 2010) at interest rate of 9.00% payable monthly. The loan has further been assigned in favor of Axis Bank CLSS 2 Trust 2011 and is repayable in 4 equal quarterly installments commencing from 13 July, 2012.





ix. Axis Bank CLSS 15 Trust 2011

The Company has availed loan of Rs. 10,000 lacs for general corporate purpose from Kotak Mahindra Prime Limited on 14 July, 2010 at interest rate of 9.50% payable monthly. The loan has further been assigned in favor of Axis Bank CLSS 15 Trust 2011 and is repayable in 4 equal quarterly installments commencing from 15 October, 2012.

x. Tata Capital Limited

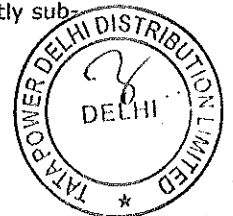
The Company has availed term loan of Rs. 5,000 lacs for general corporate purpose from Tata Capital Limited on 30 July, 2010 at interest rate of 9.45% payable monthly. The loan is repayable in 3 monthly installments commencing from 1 December, 2011.

11. Income recoverable from future tariffs

- a. From 1 April, 2007 till 31 March, 2011, determination of Retail Supply Tariff (RST) chargeable by the Company to its consumers is governed by DERC (Terms and Conditions for Determination of Wheeling Tariff and Retail Supply Tariff) Regulations, 2007 dated 30 May, 2007 (MYT Regulations), whereby DERC shall determine the RST in a manner that the Company recovers its power purchase costs as well as other distribution expenses and earns an assured return of 14% p.a. plus a supply margin up to 2% p.a. on DERC approved equity subject to achievement of Aggregate Transmission and Commercial (AT&C) loss reduction targets. In the event of over-achievement of AT&C loss reduction targets, the Company is entitled to retain a portion of such additional revenue realised which is in addition to the assured return of 16% p.a. on DERC approved equity. The balance additional profits from overachievement, after adjustments for any amounts recoverable by the Company through future tariffs are required to be transferred to the contingency reserve account or as directed by DERC for utilization in future tariff determinations.
- b. The Company has over-achieved its rolling AT&C Loss reduction target for the year ended 31 March, 2011 and is entitled for an estimated amount of Rs. 9,504.95 lacs (Previous Year Rs. 6,953.85 lacs) as over-achievement incentive. As per MYT regulations, for the FY 2010-11, the Company was entitled to recover from its consumers, the power purchase cost, controllable expenses, return on equity and its share of overachievement incentive aggregating to Rs. 405,874.00 lacs (previous year Rs. 339,157.00 lacs) as against amount collected during the year Rs. 290,231.00 (Previous year Rs. 271,889.00) the shortfall in collection during the year Rs. 115,643.00 lacs (previous year Rs. 67,268.00 lacs) has been shown as revenue recoverable from future tariff in the profit and loss account. Tariff recoverable account as at 31 March, 2011 aggregates to Rs. 217,206.00 lacs (previous year Rs. 101,563.00 lacs) as disclosed in Schedule-10 of the financial statements.
- c. i. The Company had filed a true up petition for FY 2008-09 and for ARR for FY 2010-11 on 1 December, 2009. The Company had given a representation to GoNCTD and DERC that a Cost Reflective Tariff should be finalised, keeping in mind the precarious liquidity position of the Company due to large revenue gap that had arisen in FY 2009-10. The Company had incurred a revenue gap of Rs. 67,268.00 lacs in 2009-10 largely due to the high power purchase costs and sixth pay commission payouts. Pursuant to the representation given to GoNCTD, the GoNCTD had issued a Policy Direction to DERC to keep the tariff order in abeyance until the Statutory Advice sought by GoNCTD is issued. The DERC on dated 15 December 2010 has submitted Statutory Advice to GoNCTD confirming that a large Revenue Gap exists due to increase in power purchase costs.

A public interest litigation (PIL) had been also been filed by Mr. N K Garg with Hon'ble Delhi High Court seeking amongst others that, the GoNCTD withdraw its policy direction and issue the tariff order. The proceedings in respect of the above PIL are in progress in the Hon'ble Delhi High Court and the matter is currently sub-judice

*Akshay*





- ii. Further a petition for truing up of 2009-10 and approval of the ARR for 2011-12 and for review for the financial year 2010-2011 has been filed with DERC on 21 March 2011 and DERC has admitted this petition on 25 April 2011

**12. Current Tax**

The Company had made provision for bad debts out of its receivables from the customers for the FY 2002-03 to FY 2006-07. The Company did not add back the provision for doubtful debts while computing book profits u/s 115JB of the Income Tax Act, 1961 as the Company was of the view that provision for doubtful debts is not a provision for unascertained liability but a provision for diminution in value of an asset. Further there were judicial precedents saying that provision in doubtful debts is a diminution in value of asset and therefore is not to be added back to book profits.

The Finance Act 2009 has made a retrospective amendment in Section 115JB for adding back the provision for diminution in value of an asset while computing book profits under this section. Since the provisions of Section 115JB has been amended retrospectively w.e.f. assessment year 1 April 2001, the Company has made a provision for tax on provision for doubtful debts for FY 2002-03 to FY 2006-07 amounting to Rs. 1,416.13 and paid Rs. 350 lacs in FY 2009-10 further interest from the date of amendment of Act till 31 March, 2011 aggregates to Rs. 127.94 lacs (Previous Year Rs. 109.79 lacs) included in current tax.

**13. Disclosure pursuant to Accounting Standard 15 (revised 2005) on 'Employee benefits'**

**a. Defined contribution plan**

**i. Provident Fund Plan**

The Company makes contribution towards provident fund to a defined contribution retirement benefit plan for qualifying employees. The Company's contribution to the Employees Provident Fund is deposited by the Company under the Employees Provident Fund and Miscellaneous Provisions Act, 1952 which is recognised by the Income Tax authorities. The provident fund plan is operated by the Regional Provident Fund Commissioner. Under the scheme, the Company is required to contribute a specified percentage of payroll cost to the retirement benefit scheme to fund the benefits.

**ii. Pension and Leave Salary Contribution**

The Company makes contribution towards pension and leave salary to a defined contribution retirement plan for erstwhile DVB employees. The Company's contribution is deposited into the DVB Employees Terminal benefit Fund 2002 ('the Trust') as per the transfer scheme on the basis of the Fundamental Rules and Service Rules (FRSR Rules).

On account of Defined Contribution Plans, a sum of Rs. 1,527.67 lacs (Previous Year 2,805.96 lacs) has been charged to Profit and Loss Account during the year.

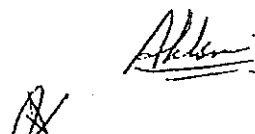
**b. Defined Benefit plan (Gratuity Plan)**

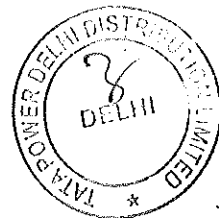
The gratuity liability arises on retirement, withdrawal, resignation and death of an employee. The aforesaid liability is calculated on the basis of fifteen days salary (i.e. last drawn basic salary) for each completed year of service subject to completion of two years service.

**c. Policy for recognising actuarial gains and losses**

Actuarial gains and losses arising from experience adjustments and effects of changes in actuarial assumptions are immediately recognised in the statement of profit and loss account as income or expense.

**d. The following tables set out the funded status of the gratuity plan and amounts recognised in the Company's financial statements as at 31 March, 2011:**





i. Change in benefit obligations:

Particulars		Gratuity (Funded)	
		31.03.11	31.03.10
		(Rs./lacs)	(Rs. /lacs)
Present value of obligations as on 1 April	A	446.24	306.33
Current Service Cost	B	119.52	93.76
Interest Cost	C	40.03	26.47
Past Service Cost	D	-	18.26
Actuarial (gain)/loss on obligation	E	67.21	10.98
Benefits Paid	F	51.39	9.56
<b>Present Value of obligation as on 31 March (A+B+C+D+E-F)</b>		<b>621.61</b>	<b>446.24</b>

ii. Change in Plan Assets

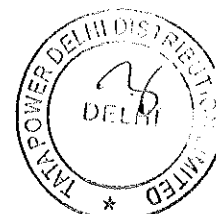
Fair Value of Plan Assets as on 1 April	A	428.15	146.71
Expected Return on plan assets	B	38.20	30.98
Employer's Contribution	C	157.17	255.07
Actuarial Gain / (loss)	D	(0.35)	4.95
Benefits Paid	E	51.39	9.56
<b>Fair Value of plan asset as on 31 March (A+B+C+D-E)</b>		<b>571.78</b>	<b>428.15</b>

iii. Net Liability / (Asset) recognised in Balance Sheet

<b>Net Liability/(Asset) (i-ii)</b>	<b>49.83</b>	<b>18.09</b>
-------------------------------------	--------------	--------------

iv. Expense recognised in the Profit & Loss Account

Particulars		Gratuity (Funded)	
		2010-11	2009-10
		(Rs./lacs)	(Rs. /lacs)
Current Service cost	A	119.52	93.76
Interest cost	B	40.03	26.47
Expected return on plan assets	C	38.20	30.98
Actuarial (gain) / loss recognised during the year	D	67.56	6.03
Past service cost	E	-	18.26
Other adjustment	F	5.25	1.00
<b>Net charge/(credit) (A+B-C+D+E+F)</b>		<b>194.16</b>	<b>114.54</b>



v. Principal actuarial assumptions:

S. No.	Particulars	Refer Notes	Year ended 31.03.11	Year ended 31.03.10
I.	Discount Rate (p.a.)	1	8.00%	7.80%
II.	Expected rate of return on plan assets (p. a.)	2	9.25%	9.25%
III.	Salary escalation rate (p.a.)	3	8.00%	8.00%

Notes:

- 1 The Discount Rate is based on the prevailing market yields of Indian Government securities as at the balance sheet date for the estimated term of obligations.
- 2 The expected return is based on the expectation of the average long term rate of return expected on investments of the fund during the estimated term of the obligations.
- 3 The estimates of future salary increases considered takes into account the inflation, seniority, promotion and other relevant factors.

Demographic assumptions:

- 1 Retirement age 60 years
- 2 Mortality rate Published rates under LIC (1994-96) mortality rates
- 3 Withdrawal rate 15%

vi. The major categories of plan assets as a percentage of total plan assets are as follows:

Particulars	31.03.11	31.03.10
Government of India Securities	76.85%	76.85%
Debt Instruments	18.14%	18.14%
Equity and preference shares	4.77%	4.77%
Other deposits	0.24%	0.24%
	<b>100.00%</b>	<b>100.00%</b>

The planned assets of the Company are managed by Life Insurance Corporation of India in terms of an Insurance policy taken to fund obligations of the Company with respect to its gratuity plan. The categories of plan assets as a percentage of total plan assets is based on information provided by Life Insurance Corporation of India with respect to its investment pattern for group gratuity fund for investments managed in total for several other companies.

vii. Particulars	Year ended 31.03.2011 Rs. /lacs	Year ended 31.03.2010 Rs. /lacs	Year ended 31.03.2009 Rs. /lacs	Year ended 31.03.2008 Rs. /lacs
Present Value of Benefit Obligation	621.61	446.24	306.33	279.06
Fair Value of Plan Assets	571.78	428.15	146.71	165.27
Net liability	49.83	18.09	159.62	113.79

viii. The contribution expected to be made by the Company during the financial year 2011-12 has not been ascertained.



**14. Segmental Reporting**

The Company is engaged in the business of distribution and generation of power in North and North West of Delhi. As the Company operates in a single business and geographical segment, the reporting requirement for primary and secondary segment disclosure prescribed by paragraphs 39 to 51 of Accounting Standard 17 – Segment reporting have not been provided in these financial statements.

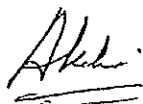
**15. Managerial Remuneration:**

Particulars	Year ended 31.03.11	Year ended 31.03.10
	Rs./lacs	Rs./lacs
a. Managerial Remuneration for Key Managerial Personnel (excluding provision for en-cashable leave and gratuity as separate figures are not available)	74.85	55.87
b. Estimated expenditure on perquisites	4.83	3.61
c. Performance Bonus	87.00	46.80
d. Contribution to Provident and Superannuation Fund	8.46	6.32
	<b>175.14</b>	<b>112.60</b>

**16. Related Party Disclosures**

**a. List of related parties**

- i. Companies exercising control by holding more than one half in voting power of the Company
  - Tata Power Company Limited (TPCL)
- ii. Companies holding substantial interest in voting power of the Company
  - Delhi Power Company Limited (DPCL)
- iii. Fellow Subsidiaries
  - Tata Power Trading Company Limited (TPTCL)
- iv. Key Management Personnel
  - Mr. Sunil Wadhwa, Managing Director (w.e.f 1 August, 2010)  
CEO and Executive Director (upto 31 July, 2010)



b. Transaction/ balances outstanding with Related Parties:

(All amounts in Rs. /lacs)

Transaction / Outstanding Balances	Holding Company	Companies Holding Substantial Interest	Fellow Subsidiaries	Key Management Personnel	Total
Purchase of goods/services	- (-)	- (-)	26,796.49 (19,781.31)	- (-)	26,796.49 (19,781.31)
Sale of goods/ services	44.12 (31.90)	- (-)	- (747.29)	- (-)	44.12 (779.19)
Commission earned	- (-)	3.11 (13.10)	- (-)	- (-)	3.11 (13.10)
Managerial remuneration	- (-)	- (-)	- (-)	175.14 (112.60)	175.14 (112.60)
Other expenses	455.70 (274.14)	- (-)	- (-)	- (-)	455.70 (274.14)
Rebate on power purchase	- (-)	- (-)	22.96 (7.22)	- (-)	22.96 (7.22)
Rebate on sale of power	- (-)	- (-)	- (15.42)	- (-)	- (15.42)
Dividend paid	- (3,941.28)	- (3,786.72)	- (-)	- (-)	- (7,728.00)
Loans availed & repaid	- (9,000.00)	- (-)	- (-)	- (-)	- (9,000.00)
Interest paid on loans	- (19.75)	- (-)	- (-)	- (-)	- (19.75)
Payables	- (2.10)	1,123.22 (1,117.62)	- (959.01)	- (-)	1,123.22 (2,078.73)
Receivable	9.60 (-)	- (-)	- (-)	- (-)	9.60 (-)

\* Figures in brackets represent the previous year

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**17. Deferred Tax (Assets) / Liabilities**

- a. Deferred tax assets and liabilities are being offset as they relate to taxes on income levied by the same governing taxation laws.
- b. Deferred tax liabilities as on 31 March, 2011, as detailed below reflect the quantum of tax liabilities accrued up to 31 March, 2011 but payable after the expiry of tax holiday period.

Particulars	Opening	(All amounts in Rs./lacs) Charged/ (Credited) to P&L	Closing
<b>Deferred Tax Liabilities</b>			
Tax impact of difference between carrying amount of fixed assets in the financial statements and the income tax return	18,377.74	4,275.35	22,653.09
	<b>18,377.74</b>	<b>4,275.35</b>	<b>22,653.09</b>

- c. In accordance with MYT regulations for determination of tariff, deferred tax liability shall be considered in tariff determination as and when and to the extent of income tax actually paid. Hence, during the previous year Company had decided to write back the provision for deferred tax liability created in earlier years and that henceforth would make provision only for the amount of tax that is actually payable. This is in line with the objective of AS-22 to match tax expense with net revenues on which such tax is levied, therefore, deferred tax liability as at 31 March, 2011 of Rs. 22,653.09 lacs (Previous Year Rs. 18,377.74 lacs) has been shown as recoverable from future tariff.

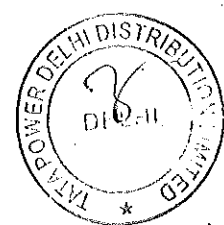
**18. Setting of Generation Power Plant at Rithala**

In order to meet the peak load of its consumers, the Company is setting a 108 MW Gas Based Combined Cycle Power Project in its area of supply at Rithala. The project consists of 3 units for generation of power out of which 2 units commenced commercial operation in February, 2011.

	Year ended 31.03.11 Rs./lacs	Year ended 31.03.10 Rs./lacs
<b>19. a. Expenditure in Foreign Currency</b>		
Consultancy and other expenditure	14.13	69.53
Traveling	30.04	23.10
	<b>44.17</b>	<b>92.63</b>
<b>b. CIF Value of Imports</b>		
Capital goods	126.52	310.10
<b>c. Earnings in Foreign Currency</b>		
Receipts from consultancy	9.07	20.08

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## 20. Earnings Per Share

The earnings considered in ascertaining the Company's EPS comprises the profit available for shareholders (i.e. profit after tax and statutory/regulatory appropriations). The number of shares used in computing Basic EPS is the weighted average number of shares outstanding during the year.

Particulars	Units	Year ended 31.03.11	Year ended 31.03.10
Profit after tax	Rs./lacs	25,818.04	35,073.04
Weighted average number of equity shares	Nos./lacs	5,520.00	5,520.00
Basic and diluted earnings per share of Rs. 10 each	Rs.	4.68	6.35
Nominal Value of equity shares	Rs.	10.00	10.00

The Company did not have any potential dilutive equity shares

## 21. Detail of Auditors Remuneration\*

Other expenses include Auditor's remuneration as follows:

Particulars	Year ended 31.03.11 Rs./lacs	Year ended 31.03.10 Rs./lacs
Audit fee (including quarterly audits)	54.00	49.50
Tax audit	7.00	7.00
Other services	40.00	18.50
Reimbursement of out-of-pocket expenses	0.46	0.60
<b>Total</b>	<b>101.46</b>	<b>75.60</b>

\* Exclusive of service tax

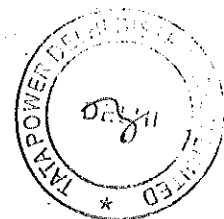
## 22. Short term investments

During the year the Company has purchased and sold the following units of Investments:

Mutual Fund	Purchase Value (Rs. / lacs)	No. of Units Purchased	No. of Units Sold
Birla Mutual Fund	1,600	10,618,777	10,618,777
Franklin Templeton	1,000	70,463	70,463
HDFC Mutual Fund	1,550	7,951,312	7,951,312
SBI Mutual Fund	1,300	8,607,049	8,607,049
Tata Mutual Fund	300	17,530	17,530
<b>Total</b>	<b>5,750</b>	<b>27,265,131</b>	<b>27,265,131</b>

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23. **Disclosures as per Micro, Small and Medium Enterprises Development Act, 2006 (MSMED)**


The Company has completed the process of obtaining confirmation from suppliers who have registered themselves under the Micro Small and Medium Enterprise Development Act, 2006 (MSMED Act, 2006). Based on the information available with the Company, the balance due to Micro and Small Enterprise as defined under the MSMED Act, 2006 is Rs. 19.12 lacs. (Previous year Rs. 0.14 lacs) and no interest during the year has been paid or payable under the terms of the MSMED Act, 2006.

24. **Previous year Comparatives**

Previous period's figures have been presented for the purpose of comparison and have been regrouped where necessary.

For and on behalf of the Board

(x)   
**SUNIL WADHWA**  
Managing Director

(y)   
**S. RAMAKRISHNAN**  
Director

  
**AJAY KALSIE**  
Company Secretary

Place: New Delhi  
Date: 11 MAY 2011







# Deloitte Haskins & Sells

Chartered Accountants  
7th Floor, Building 10, Tower B  
DLF Cyber City Complex  
DLF City Phase-II  
Gurgaon - 122 002, Haryana  
India

Tel : + 91 (124) 679 2000  
Fax : + 91 (124) 679 2012

## CERTIFICATE

We have examined the books of account and related records of North Delhi Power Limited ('the Company') for the year ended 31 March, 2011 as part of the audit of the Company. Based on our examination as aforesaid and according to the information and explanations given to us, we certify that the Company has granted subsidies aggregating to Rs. 52.78 crores to specified consumer categories (domestic and agricultural) in accordance with the directives issued by the Government of N.C.T of Delhi. These subsidies were granted by adjusting the subsidy amounts in the bills generated during the year 1 April, 2010 to 31 March, 2011. The details of subsidies granted are as follows:

Billing Month	Category	(All amounts in Rs./crores)		
		Subsidy 1 (See Note A below)	Subsidy 2 (See Note B below)	Total
April 10	Domestic	-	3.75	3.75
	Agricultural	0.03	-	0.03
May 10	Domestic	-	3.28	3.28
	Agricultural	0.01	-	0.01
June 10	Domestic	-	3.75	3.75
	Agricultural	0.00	-	0.00
July 10	Domestic	-	3.93	3.93
	Agricultural	0.00	-	0.00
August 10	Domestic	-	4.25	4.25
	Agricultural	0.00	-	0.00
September 10	Domestic	-	4.08	4.08
	Agricultural	0.05	-	0.05
October 10	Domestic	-	3.70	3.70
	Agricultural	0.14	-	0.14
November 10	Domestic	-	3.82	3.82
	Agricultural	0.03	-	0.03
December 10	Domestic	-	4.67	4.67
	Agricultural	0.04	-	0.04
January 11	Domestic	-	5.16	5.16
	Agricultural	0.02	-	0.02
February 11	Domestic	-	6.71	6.71
	Agricultural	0.04	-	0.04
March 11	Domestic	-	5.29	5.29
	Agricultural	0.03	-	0.03
<b>Total</b>	<b>Domestic</b>	<b>-</b>	<b>52.39</b>	<b>52.39</b>
	<b>Agricultural</b>	<b>0.39</b>	<b>-</b>	<b>0.39</b>

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**Deloitte  
Haskins & Sells**

**Notes:**

Subsidy 1 and 2 as defined in the Delhi Electricity Regulatory Commission (DERC) letter No. F3 (211)/Tariff/DERC/2007-08/4001-4003 dated 27 November, 2008 and extended vide Delhi Electricity Regulatory Commission (DERC) letter No. F3 (211)/Tariff/DERC/2009-10/2423 dated 17 September, 2009 and F3 (211)/Tariff/DERC/2009-10/C.F.No. 2196/2332 dated 19 August, 2010 are as follows:

**A. Subsidy 1**

Special Subsidy to Agricultural Consumers (with the intention of maintaining the applicable tariff rates in respect of these categories at the level of year 2004-05) to be continued for the period up to March 2011.

**B. Subsidy 2**

Targeted subsidy granted to Domestic Consumers consuming up to 200 units per month during the months of May to August, December and January and up to 150 units per month during the months of February to April and September to November at the rate of Re. 1 per unit to be continued for the period up to March 2011.

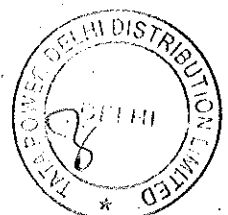
This certificate is being issued at the request of the Company for the purpose of submission of details of subsidies granted to the specified consumer categories to DERC.

For DELOITTE HASKINS & SELLS  
Chartered Accountants  
(ICAI Reg. No. 015125N)

*Alka Chadha*

GURGAON, 6 August, 2011  
Ref: AC/2011/158

Partner  
Alka Chadha-93474





North Delhi Power Limited  
Grid Substation Building  
Hudson Lines, Kingsway Camp  
Delhi

DUPLICATE

**ICRA Limited**

An Associate of Moody's Investors Service

BILL NO.: RF/GGN/10-11/134

DATED : 23/07/2010

PAN No. AAACI0218B

Kind Attn.: Mr. Puneet Munjal  
General Manager (Finance)

Dear Sir,

Service Tax Registration No.:  
AAACI0218BST010  
(Credit Rating Agency Service)

We append a memo of our charges as per detail given below:

PARTICULARS			Amount (Rs.)
Towards our fees for carrying out Rating of your company as per detail given below :			
<u>Instrument</u>	<u>Size (in Cr.)</u>	<u>Date of Rating</u>	
Basel - II Enhancement	1845 to 2620	23/07/2010	775,000.00
Total Rs.			775,000.00
Service Tax @ 10% on fee		77,500.00	
Education Cess @ 2% on Service Tax		1,550.00	
Sec. & Higher Education Cess @ 1% on Service Tax		775.00	79,825.00
Gross Total Rs.			854,825.00
Less: Amount Received			854,825.00
Balance Rs.			0.00

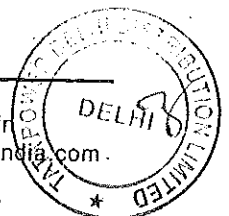
For and on behalf of ICRA Limited

(VIJAY WADHWA)  
C.F.O. & Co. Secretary

Building No. 8, 2<sup>nd</sup> Floor  
Tower A, DLF Cyber City  
Phase II, Gurgaon - 122002

Tel. : + 91 - 124 - 4545300  
Fax : + 91 - 124 - 4545350

website : [www.icra.in](http://www.icra.in)  
email : [info@icraindia.com](mailto:info@icraindia.com)



Regd. Office: 1105, Kailash Building, 11<sup>th</sup> Floor, 26, Kasturba Gandhi Marg, New Delhi - 110001

**ICRA**

# ICRA Limited

An Associate of Moody's Investors Service

North Delhi Power Limited  
Grid Sub Station Building  
Hudson Lines  
Kingsway Camp  
New Delhi - 110 009

*Manish Roy*

BILL NO.: RS/GGN/09-10/281

DATED : 28/01/2010

PAN : AAACI0218B

Kind Attn.: Mr. Puneet Munjal  
General Manager (Finance)

Service Tax Registration No. :  
AAACI0218BST010  
(Credit Rating Agency Service)

*150001228  
PNB*

Dear Sir,

We append a memo of our charges as per detail given below:

PARTICULARS					AMOUNT
Surveillance fees on the Bank Loan Rating(s) carried out by our agency as per detail given below:					
Period of Surv. Fees From	To	Instrument(s)	Rated / O/s Amount (Rs. Crores)	Rated on	
Mar-10	Feb-11	Basel II	1,590	14/03/2008	795,000.00
<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>247883</p> <p>24/05/2010</p> </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>NDPL</b></p> <p>24 MAY 2010</p> <p><b>PAID</b></p> </div> </div>					795,000.00
Total Rs.					79,500.00
Service Tax @ 10% on fee					1,590.00
Education Cess @ 2% on S. Tax					795.00
Sec. & Higher Education Cess @ 1% on S. Tax					81,885.00
Grand Total Rs.					876,885.00
(Rs. Eight Lakhs Seventy Six Thousand Eight Hundred Eighty Five Only)					

We shall be glad to receive your remittance at an early date.

for and on behalf of ICRA Limited

(VIJAY WADHWA)  
C.F.O. & Co. Secretary

*Handwritten notes:*  
Bill = 4,87,683/-  
10% S.T. = 48,768/-  
2% E.C. = 9,753/-  
1% S.H.E.C. = 4,877/-  
Total = 5,49,081/-  
Date: 24/5/10

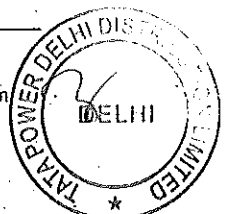
Building No. 8, 2<sup>nd</sup> Floor  
Tower A, DLF Cyber City  
Phase II, Gurgaon - 122002

Tel. : + 91 - 124 - 4545300  
Fax : + 91 - 124 - 4545350

website : www.icra.in  
email : info@icraindia.com

Regd. Office: 1105, Kailash Building, 11<sup>th</sup> Floor, 26, Kasarpur Gandhi Marg, New Delhi - 110001

**RATING • RESEARCH • INFORMATION**





**ICRA Limited**  
An Associate of Moody's Investors Service

North Delhi Power Limited  
Grid Sub Station Building  
Hudson Lines  
Kingsway Camp  
New Delhi - 110 009

BILL NO.: RS/GGN/10-11/61

DATED : 25/08/2010

PAN : AAACI0218B

Kind Attn:- Mr. Puneet Munjal  
General Manager (Finance)

Service Tax Registration No. :  
AAACI0218BST010  
(Credit Rating Agency Service)

Dear Sir,

We append a memo of our charges as per detail given below:

PARTICULARS						AMOUNT
Surveillance fees on the Rating(s) carried out by our agency as per detail given below:						
Period of Surv. Fees From To	No. of months	Instrument(s)	Outstanding Amount (Rs. Crores)	Rated on		
Apr-10	Mar-11	12	CP	80.00	15/4/05,27/7/07	240,000.00
Mar-11	Mar-11	1	CP	150.00	12/03/2010	37,500.00
Jul-10	Feb-11	8	Basel II	100.00	17/07/2009	33,333.00
Total Rs.						310,833.00
Service Tax @ 10% on fee						31,083.00
Education Cess @ 2% on S. Tax						622.00
Sec. & Higher Ed. Cess @ 1% on S. Tax						311.00
Grand Total Rs.						342,849.00
Less: Amount Received						0.00
Balance Rs.						342,849.00
(Rupees Three Lakh Forty Two Thousand Eight Hundred Forty Nine Only)						

We shall be glad to receive your remittance at an early date.

for and on behalf of ICRA Limited

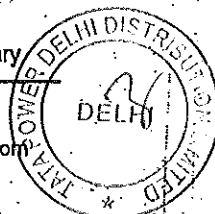
(VIJAY WADHWAN)  
C.F.O. & Co. Secretary

Building No. 8, 2<sup>nd</sup> Floor  
Tower A, DLF Cyber City  
Phase II, Gurgaon - 122002

Tel. : + 91 - 124 - 4545300  
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website : www.icra.in  
Email : info@icraindia.com

Regd. Office: 1105, Kailash Building, 11<sup>th</sup> Floor, 26, Kasturba Gandhi Marg, New Delhi - 110001



# ICRA Limited

An Associate of Moody's Investors Service

North Delhi Power Limited  
Grid Sub Station Building  
Hudson Lines  
Kingsway Camp  
New Delhi - 110 009

Bill No. OPE/RS/GGN/2010-11/246

Dated : 13/12/2010

PAN No. : AAAC10218B

Service Tax Registration No. :

Registration No. AAAC10218BST010  
(Credit Rating Agency Service)

Kind Attn.: Mr. Puneet Munjal  
General Manager (Finance)

Dear Sir,

We append a memo for expenses incurred by us as per detail given below:

PARTICULARS	Amount (₹)
Out of pocket expenses incurred in connection with the Rating exercise carried out by our agency for your company.	2,470.00
Total	2,470.00
Service Tax @ 10%	247.00
Education Cess @ 2% on Service Tax	5.00
Sec. & Higher Education Cess @ 1% on Service Tax	2.00
Grand Total	2,724.00

(Rs. Two Thousand Seven Hundred Twenty Four Only)

We shall be glad to receive your remittance at an early date.

North Delhi Power Limited  
PAYMENT DETAIL

24 DEC 2010

Bank f.. HDFC  
Cheque No. 68128  
Amount ₹ 2452/-

for and on behalf of ICRA Limited

(VIJAY WADHWA)

C.F.O. & Company Secretary

Building No. 8, 2nd Floor  
Tower A, DLF Cyber City  
Phase II, Gurgaon - 122002

Tel.: + 91 - 124 - 4545300  
Fax : + 91 - 124 - 4545350

website : www.icra.in  
email : info@icraindia.com

Regd. Office: 1105, Kailash Building, 11th Floor, 26, Kasturba Gandhi Marg, New Delhi - 110001

RATING • RESEARCH • INFORMATION

# INVOICE

To, North Delhi Power Limited Grid Substation Building, Hudson Lines, Kingsway Camp, Delhi - 110 009	Invoice No: PXIL/MEM/ 51006/2011-2012/001 Invoice Date: March 24, 2011 Service Tax Reg. No : AAEC6452CSD001 PAN : AAEC6452C
--	--

SR. NO.	DETAILS	AMOUNT (Rs.)
	Annual Fees for the year 2011 - 2012	2,50,000.00
	<b>TOTAL</b>	<b>2,50,000.00</b>
	Service Tax @ 10.00% on Total	25,000.00
	Education Cess @ 2.00% on Service Tax Amount	500.00
	Higher & Secondary Education Cess @ 1.00% on Service Tax Amount	250.00
	<b>GRAND TOTAL</b>	<b>2,75,750.00</b>

Rupees in words : Two Lakhs Fifty Thousand Seven Hundred and Fifty only

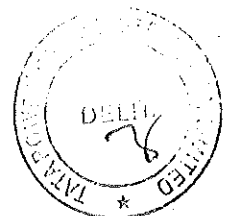
Classification of Services : Electricity Exchange Charges

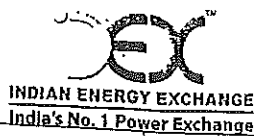
Issuing Authority

For,  
 Power Exchange India LTD.



Varsha Gore  
 Executive - Power Exchange India Limited





# Indian Energy Exchange Ltd.

India's No 1 Power Exchange

100 A/1, Ground Floor, Capital Court,  
Olof Plame Marg, Munirka,  
New Delhi - 110 067  
Phone +91 11 43004000  
Fax +91 11 43004015

INVOICE: IEX/MEM/314/10

Date: 17<sup>th</sup> April 2010

TO:

Mr. Sunil Wadhwa  
CEO & ED

North Delhi Power Limited  
NDPL, 33 KV Sub Station Building-  
Hudson Lines, Kingsway Camp  
New Delhi - 110099

FOR:

Annual subscription fees of Indian  
Energy Exchange Ltd.

Approval Date	Description	For the Financial Year 2010-11.	Amount (Rs)
Annual Subscription Fees for FY 2010 -11			
12-May-08	North Delhi Power Limited	12	5,00,000
Total			5,00,000

## Remarks

2. Payment can be made by at par cheques/ DD payable to Indian Energy Exchange Ltd or by RTGS with intimation to IEX, the detail for the same is mentioned below:

Name of Bank : HDFC Bank Limited

Account Number : 00600340031802

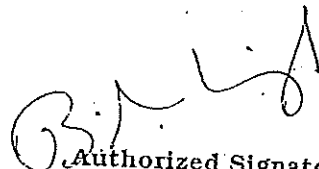
RTGS / NEFT IFSC : HDFC0000240

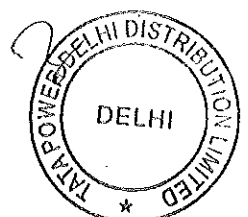
2. Payment is due on or before 30th April' 10

3. Annual Subscription fees is Rs. 5 Lac p.a .

If you have any questions concerning this invoice, contact  
Name: Divya Chawla

Email Id: [divya.chawla@iexindia.com](mailto:divya.chawla@iexindia.com)

  
Authorized Signatory



Document No

1900000256 / 17/4/2011 - Prepared





Bill No. : PXIL/MEMBERSHIP/048

Bill Date: 08 Mar 2010

Member Name: North Delhi Power Limited

Period: 01 April 2010 – 31 March 2011

Due Date: 31 March 2010

PAN of PXIL : AAEC6452C

Sr. No.	Particulars	Amount (Rs.)
1.	Membership Fees	1,44,521.00
	Total	1,44,521.00
Rupees In Words: One Lakh Forty Four Thousand Five Hundred and Twenty One Only		

Kindly be advised that the Service Tax is not applicable to PXIL as on date.


Issuing Authority

For,  
Power Exchange India LTD.

Ashok Kumar  
Head-Settlement & CRM



(4)

दिल्ली ट्रांसको लिमिटेड (दिल्ली सरकार का उपक्रम) मुख्यालय: शक्ति भवन, कोटला रोड राई दिल्ली-110002 फोन: 23230152/53 Fax: 23232471		<b>DELHI TRANSCO LIMITED</b> (A Govt. of NCT of Delhi Undertaking) Kolia Road, Shakti Sadan, New Delhi 110002 Tel: 23230152 Fax: 23232471
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No.F.DTL/108/10/10-HR-Policy/394

Dated: 15/04/2010

### OFFICE ORDER

**Subject:-** Performance based allowances as per WRC Report and other subjects - regarding

The Board of Directors, DTL has approved the following performance based allowances/reimbursement as per WRC Report along with other subjects in its meeting held on 05.03.2010, vide its agenda item no. 46.2.6.

Sl. No.	Subject	Effective date of implementation	Annexure
1	Working days and Overtime Allowance	1.4.2010	III
2	Contingency Book Allowance	1.4.2010	III
3	Public Duty Allowance	1.4.2010	III
4	Shift Allowance	1.4.2010	III
5	Special Allowance to Sectional Staff	1.4.2010	III
6	Special Duty Allowance	1.4.2010	III
7	Special Allowance	1.4.2010	III
8	Local Travelling Allowance for Urgent Work	1.4.2010	VIII
9	Over Time Allowance	1.4.2010	IX

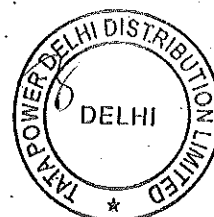
Further the Board of Directors has decided as under:-

1. Patient Care Allowance for Para Medical Staff is discontinued w.e.f. 1.4.2010.
2. Contingency Book Allowance is henceforth dispensed with.

This is in supersession to all earlier office orders on the subject/s.

  
 (PUNEET KUMAR)  
 Assistant Manager (HR-P)

Distribution overleaf



FOOD ALLOWANCE

Eligibility:

Food Allowance shall be payable to all regular Employees.

Amount :

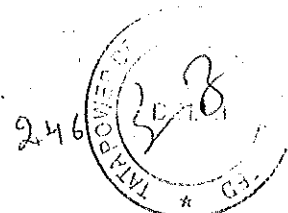
Rate of Food Allowance shall be Rs. 500/- per month payable with monthly salary.

General :

In case of employees, who remains absent from duty on account of any kind of leaves including weekly offs and holidays, for a period exceeding 15 days during a calendar month, payment shall be made on pro-rata basis.

The scheme comes into effect from 1.4.2010 with approval of Board of Director in its' meeting held on 5.3.2010.

\*\*\*\*\*



**DELHI TRANSCO LIMITED**  
6th Floor, Shakti Sadan, Kolla Road, New Delhi - 110002

F.DTL/108/4/05/HR(Policy)/168

Dated :- 13-6-05

**OFFICE ORDER**

**Sub: Supply of Newspaper/Magazines-Reimbursement thereof.**

In pursuance of O.M No. F.2/108/2000-CTB/Part-1/3203 dated 25.9.2003 of the office of Pr. Secretary (GAD) read with Memorandum of even No. dated 16.12.2004 of the Govt. of NCT of Delhi on the subject cited above, the entitlement of Newspapers and Magazines in DTL is appended below :-

Sl. No.	Level of Officer	Sd. Strength	Indian Newspaper	Indian Magazine
1.	CMD and full time Directors	4	At their discretion	At their discretion
2.	General Managers	11	4	3
3.	Dy.GMs / Co. Secy.	22	2	1
4.	Managers/Dy. Managers & equivalent	75	1	1
5.	AMs/SO & equivalent	779	1	—
	Total	891		

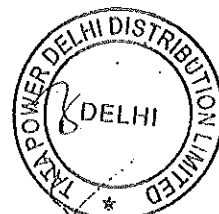
The entitled officers are not required to deposit the old Newspaper/Magazines against their reimbursement.

This issues with the approval of the CMD.

( SHYAMA BHARTI )  
Dy. General Manager (Admn.)

Copy to:

1. OSD to CMD
2. Director (HR)/ (Fin)/ (Opr.)
3. DM(A/L)/IT /Fin./ GMs (Tech.)
4. GMs/ Company Secy.
5. Managers/ACMO/Sr. M.O.
6. Concerned AM (Admn./A/Cs)



(5)

No.12011/03/2008-Estt. (Allowance)  
Government of India  
Ministry of Personnel, Public Grievances and Pensions  
(Department of Personnel & Training)

New Delhi, the 2<sup>nd</sup> September, 2008.

**OFFICE MEMORANDUM**

Subject :- Recommendations of the Sixth Central Pay Commission-  
implementation of decisions relating to the grant of Children Education  
Assistance and Reimbursement of Tuition Fee.

Consequent upon the decisions taken by the Government on the  
recommendations made by the Sixth Central Pay Commission and in supersession  
of all earlier orders on the subject of Children Education Allowance and  
Reimbursement of Tuition Fee, the President is pleased to issue the following  
instructions:-

- (a) Children Education Allowance and Reimbursement of Tuition Fee which were hitherto payable separately will be merged and will henceforth be known as 'Children Education Allowance Scheme'.
- (b) Under the Scheme of Children Education Allowance reimbursement can be availed by Government Servants upto to a maximum of 2 children.
- (c) Reimbursement as indicated above will be applicable for expenditure on the education of school going children only i.e., for children from classes nursery to twelfth, including classes eleventh and twelfth held by junior colleges or schools affiliated to Universities or Boards of Education.
- (d) Henceforth, the reimbursement of Children Education Allowance shall have no nexus with the performance of the child in his class. In other words, even if a child fails in a particular class, the reimbursement of Children Education Allowance shall not be stopped.
- (e) Reimbursement for the following items can be claimed under this Scheme:

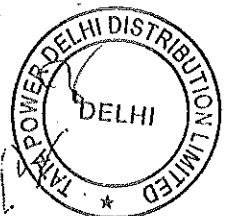
Tuition Fee, admission fee, laboratory fee, special fee charged for agriculture, electronics, music or any other subject. Fee charged for practical work under the programme of work experience, fee paid for the use of any aid or appliance by the



child, library fee, games/sports fee and fee for extra-curricular activities. This also includes reimbursement for purchase of one set of text books and notebooks, two sets of uniforms and one set of school shoes which can be claimed for a child, in a year.

- (f) The annual ceiling fixed for reimbursement of Children Education allowance is Rs.12000.
  - (g) Under this scheme, reimbursement can be claimed once every quarter. The amount that can be claimed in a quarter could be more than Rs.3000, and in another quarter less than Rs.3000, subject to the annual ceiling of Rs.12000 per child being maintained.
  - (h) In case both the spouses are Government servants, only one of them can avail reimbursement under Children Education Allowance.
  - (i) Hostel subsidy will be reimbursed upto the maximum limit of Rs.3000 per month per child subject to a maximum of 2 children. However, both hostel subsidy and Children Education Allowance cannot be availed concurrently.
  - (j) The above limits would be automatically raised by 25% every time the Dearness Allowance on the revised pay structure goes up by 50%.
2. In order to ensure that Government servants have no difficulty in claiming reimbursement, the procedure under this Scheme is being kept simple. Reimbursement should henceforth be made on the submission of original receipts on the basis of self-certification by the Government servant.
3. These orders shall be effective from 1<sup>st</sup> September, 2008.
4. Insofar as persons serving in the Indian Audit and Accounts Department are concerned, these orders issue in consultation with the Comptroller and auditor General of India.
5. Hindi version will follow.

(Simmi R. Nakra)  
Director (P&A)



Details of Banking for FY 10-11 are as follows:

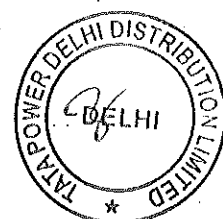
S No.	Bilateral Party	Sale/ Received by TPDDL	MUs	Month	Amount in Rs Cr @ Rs. 4 per unit	Period (No of months)	Amount blocked for a month (Rs Cr)	Remarks
1	PTC - Jodhpur	Opening	(3.65)		(1.46)	12	(17.52)	Closed
		Sale	3.65	Feb-11	1.46	1	1.46	
		Sub Total	-		-		(16.06)	
2	NVVNL UP (2)	Opening	51.27		20.51	12	246.09	Closed
		Received	(17.36)	Jul-10	(6.94)	8	(55.55)	
		Received	(17.36)	Aug-10	(6.94)	7	(48.61)	
		Received	(16.55)	Sep-10	(6.62)	6	(39.72)	
		Sub Total	-		-		102.21	
3	PTC - MP	Opening	46.61		18.64	12	223.71	Closed
		Received	(9.27)	May-10	(3.71)	10	(37.08)	
		Received	(8.97)	Jun-10	(3.59)	9	(32.27)	
		Received	(10.23)	Jul-10	(4.09)	8	(32.72)	
		Received	(9.27)	Aug-10	(3.71)	7	(25.95)	
		Received	(8.87)	Sep-10	(3.55)	6	(21.29)	
		Sub Total	0.00		0.00		74.39	
4	NVVNL - Meghalaya	Opening	8.93		3.57	12	42.87	Closed
		Received	(5.46)	Jul-10	(2.18)	8	(17.46)	
		Received	(5.21)	Aug-10	(2.09)	7	(14.60)	
		Sale	1.73	Apr-10	0.69	11	7.60	
		Sub Total	(0.01)		(0.00)		18.41	
5	NVVNL - WB	Opening	24.43		9.77	12	117.25	Closed
		Received	(14.88)	May-10	(6.20)	10	(62.00)	
		Received	(18.50)	Jul-10	(7.71)	8	(61.67)	
		Sale	10.34	Apr-10	4.14	11	45.51	
		Sub Total	1.39		-		39.10	
6	NVVNL - Karnataka	Opening	62.45		24.98	12	299.75	Closed
		Received	(20.83)	Jul-10	(8.33)	8	(66.66)	
		Received	(20.83)	Aug-10	(8.33)	7	(58.33)	
		Received	(18.29)	Sep-10	(7.31)	6	(43.89)	
		Received	(2.50)	Oct-10	(1.00)	5	(5.00)	
		Sub Total	0.00		0.00		125.88	
7	TPTCL HPPC	Opening	6.64		2.66	12	31.87	Closed
		Received	(6.64)	May-10	(2.66)	10	(26.56)	
		Sub Total	0.00		0.00		5.31	
8	NVVNL - WB	Opening	-		-	12	-	Closed, NDPL return energy 106%
		Received	(17.36)	Jul-10	(6.94)	8	(55.55)	
		Received	(17.36)	Aug-10	(6.94)	7	(48.61)	
		Received	(16.80)	Sep-10	(6.72)	6	(40.32)	
		Sale	24.84	Feb-11	9.37	1	9.37	
		Sale	29.77	Mar-11	11.23	0	-	
		Sub Total	3.09		(0.00)		(135.11)	
9	NVVNL - Meghalaya	Opening	-		-	12	-	Open, 106% was to be given back. (14.03708 MU to be returned)
		Received	(17.36)	Jul-10	(6.94)	8	(55.55)	
		Received	(17.36)	Aug-10	(6.94)	7	(48.61)	
		Received	(16.80)	Sep-10	(6.72)	6	(40.32)	
		Sale	7.82	Dec-10	2.95	3	8.85	
		Sale	7.82	Jan-11	2.95	2	5.90	
		Sale	6.62	Feb-11	2.50	1	2.50	
		Sale	18.32	Mar-11	6.91	0	-	
		Sub Total	(10.95)		(5.30)		(127.23)	
10	NVVNL - WB	Opening	-		-	12	-	Open, 106% was to be given back. (10.81278 MU to be returned)
		Received	(10.20)	Oct-10	(4.08)	5	(20.40)	
		Sub Total	(10.20)		(4.08)		(20.40)	
11	NVVNL - Meghalaya	Opening	-		-	12	-	Open, 106% was to be given back. (4.453 MU to be returned)
		Received	(4.20)	Oct-10	(1.68)	5	(8.40)	
		Sub Total	(4.20)		(1.68)		(8.40)	
12	GMR - Kerala	Opening	-		-	12	-	Open, 105% was to be given back. (6.41648 MU to be returned)
		Received	(54.00)	Oct-10	(21.60)	5	(108.00)	
		Sale	0.10	Feb-11	0.04	1	0.04	
		Sale	50.18	Mar-11	19.12	0	-	
		Sub Total	(3.71)		(2.44)		(107.96)	
13	NVVNL - WB	Opening	-		-	12	-	Closed, 105% was to be given back by WB.
		Received	(0.72)	Sep-10	(0.28)	6	(1.65)	
		Sale	0.69	Jul-10	0.28	8	2.21	
		Sub Total	(0.03)		0.00		0.55	
I		Total					(49.31)	
J	Interest Cost (@ 9.50% being considered by DERC for working capital requirement)*I							(0.39)

\* The issue of working capital interest rate is subjudice and applicable interest rate shall prevail depending upon the outcome of the Appeal.

7

**Tata Power Delhi Distribution Limited**  
**Computation of Weighted Average Rate of Interest for loans other than capex**

Term Loans - Other than capex as on 31.12.2011 (FY 11 - 12)						
Lender	Amount	Period		ROI	Days	Product
	(Rs. Cr.)	From	To	(%)		
CLSS 2 Trust 2011	125	1-Apr-11	31-Mar-12	9.00%	366	45,750
CLSS 15 Trust 2011	100	1-Apr-11	31-Mar-12	9.50%	366	36,600
Kotak Mahindra Bank	25	15-Apr-11	12-May-11	9.75%	28	700
	25	14-May-11	10-Jun-11	9.75%	28	700
Tata Capital Limited	50	1-Apr-11	30-Nov-11	9.45%	244	12,200
	33	1-Dec-11	31-Dec-11	9.45%	31	1,023
	16	1-Jan-12	31-Jan-12	9.45%	31	496
Union Bank of India	100	1-Apr-11	31-Mar-12	9.50%	366	36,600
Karnataka Bank	50	1-Apr-11	11-Oct-11	9.00%	194	9,700
Punjab National Bank	100	1-Apr-11	4-May-11	10.25%	34	3,400
	100	5-May-11	31-Jul-11	10.75%	88	8,800
	100	1-Aug-11	27-Oct-11	11.50%	88	8,800
Dena Bank	60	1-Apr-11	28-Oct-11	9.25%	211	12,660
South Indian Bank	100	1-Apr-11	9-Feb-12	11.00%	315	31,500
Punjab & Sind Bank	50	1-Apr-11	3-Feb-12	11.25%	309	15,450
Punjab & Sind Bank	100	1-Apr-11	27-Mar-12	11.00%	362	36,200
Punjab & Sind Bank	100	29-Apr-11	31-Mar-12	11.25%	338	33,800
Yes Bank Limited	50	6-May-11	31-Mar-12	12.60%	331	16,550
Karnataka Bank	70	31-May-11	2-Jun-11	11.75%	3	210
	100	3-Jun-11	3-Jul-11	11.75%	31	3,100
	100	4-Jul-11	2-Aug-11	12.00%	30	3,000
	100	3-Aug-11	31-Mar-12	12.50%	242	24,200
Commerical paper	90	13-Jun-11	31-Mar-12	11.41%	293	26,300
Syndicate Bank	20	29-Jun-11	31-Mar-12	11.25%	277	5,540
	80	30-Jun-11	31-Mar-12	11.25%	276	22,080
	100	4-Aug-11	31-Mar-12	11.25%	241	24,100
	75	30-Aug-11	31-Mar-12	11.25%	215	16,125
	25	2-Sep-11	31-Mar-12	11.25%	212	5,300
	50	7-Sep-11	31-Mar-12	11.25%	207	10,350
	50	29-Sep-11	31-Mar-12	11.25%	185	9,250
	100	12-Oct-11	31-Mar-12	11.25%	172	17,200
Dena Bank	25	30-Aug-11	31-Mar-12	11.10%	215	5,375
	100	28-Oct-11	31-Mar-12	11.10%	156	15,600
Canara Bank	50	29-Sep-11	31-Mar-12	11.55%	185	9,250
	200	31-Oct-11	31-Mar-12	11.55%	153	30,600
	200	29-Nov-11	31-Mar-12	11.55%	124	24,800
	150	30-Nov-11	31-Mar-12	11.55%	123	18,450
IDFC Limited	300	30-Nov-11	31-Mar-12	12.00%	123	36,900
<b>TOTAL</b>					<b>7,193</b>	<b>618,659</b>
<b>Weighted Average Rate of Interest</b>						<b>10.90%</b>







भारतीय स्टेट बैंक  
State Bank of India

कॉर्पोरेट लेखा समूह शाखा, जवाहर व्यापार भवन,  
11वां व 12वां तल, 1, टॉलस्टोय मार्ग, नई दिल्ली-110001  
Corporate Accounts Group Branch, Jawahar Vyapar Bhawan,  
11th & 12th Floor, 1, Tolstoy Marg, New Delhi-110001

Tel.: 23353022 (AGM & COO), 23359506 (A & A), 23352995 (CS), 23352968 (IB)

Fax : 23353101 (Sectt.), 23352793 (CS), 23353029 (IB)

The Chief Financial Officer  
TATA Power Delhi Distribution Ltd (Formally NDPL),  
Grid Sub Station Building,  
Hudson Lines,  
Kingsway Camp,  
Delhi-110 009

CAG/AMT-5/2011-12/488

02.01.2012

Dear Sir,

### RENEWAL WITH ENHANCEMENT OF WORKING CAPITAL LIMITS

We are pleased to inform you the renewal of under-noted working capital limits for a period of one year i.e. up to 22nd December 2012.

(Rs. in Crore)

Particulars	Existing			Proposed			Change	
	SBI	%	Cons.	SBI	%	Cons.	SBI	Cons.
<b>FBWC</b>								
Cash Credit	72.50	50	145.00	72.50	50	145.00	-	-
<b>Total FBWC</b>	<b>72.50</b>	<b>50</b>	<b>145.00</b>	<b>72.50</b>	<b>50</b>	<b>145.00</b>	<b>-</b>	<b>-</b>
<b>NFBWC</b>								
BGs	40.00	100	40.00	25.00	100	25.00	-15.00	-15.00
BGs (SBLC)*	114.00	54	210.00	170.00	42	400.00	56.00	190.00
BGs (SBLC)**	45.00	100	45.00	35.00	100	35.00	-10.00	-10.00
<b>Total NFBWC</b>	<b>199.00</b>	<b>67</b>	<b>295.00</b>	<b>230.00</b>	<b>50</b>	<b>460.00</b>	<b>31.00</b>	<b>165.00</b>
<b>Total FBWC+NFBWC</b>	<b>271.50</b>	<b>62</b>	<b>440.00</b>	<b>302.50</b>	<b>50</b>	<b>605.00</b>	<b>31.00</b>	<b>165.00</b>

\* Provided to generating/trading/transmission companies for supply of power, gas supplier/transmitters.

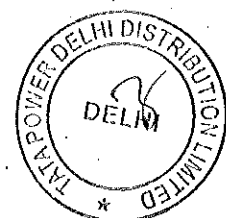
\*\* Provided to term lenders like IDFC and PFC as security for repayment of 1 quarter interest and installments.

\*\* Full interchangeability between BG limit (Rs.25 crore) and SBLC (Rs.35 crore).

- The relative covenants and other terms and conditions governing the conduct of facilities mentioned above are contained in the Annexures I and II. We request you to return to us the duplicate copy of this letter along with the Annexures, duly signed by such authorised official(s) / Director(s) of the Company as are empowered to accept the said terms and conditions on behalf of the Company.

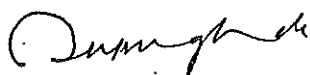
Accepted  
for TATA Power Delhi Distribution Ltd.

Authorised signatory



3. Please arrange to adopt a resolution for availing of credit facilities from the Bank and forward to us a certified copy thereof for our record. We may add that resolution of the Company should inter alia contain the following particulars:
- i. Acceptance of terms and conditions of credit facilities sanctioned to the Company.
  - ii. Authority in favour of Officials / Directors to execute the documents for availing of the facilities, arranging for filing of documents with Registrar of Companies for creating charge on assets of the company in favour of the Bank.
  - iii. Affixation of Common Seal of the Company on documents and vesting of authority to witness the Common Seal.
4. Please, also arrange to provide us a certified copy of the resolution passed by the Company in annual general meeting under sections 293(1) (a) and 293 (1) (d) of the Companies Act, 1956, empowering Board of Directors of the Company to borrow moneys in excess of the aggregate of the paid up capital and free reserves of the company, if applicable.
5. Please arrange to execute the documents for the limits as stated in the 'terms and conditions' and arrange for creating charge in Bank's favour and to file the charge with ROC for registration of charge in our favour, within the prescribed period.
6. Please sign all the pages of this letter, including enclosures, in total of your having accepted the terms and conditions.

Yours faithfully,




Assistant General Manager & RM

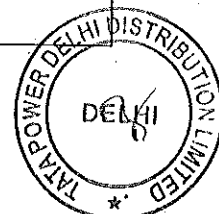
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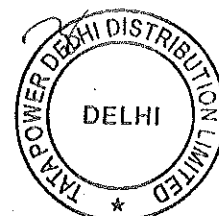


**TERMS AND CONDITIONS****A) Nature of facility: Cash Credit:**

1	Limit	<b>Cash Credit – Rs.72.50 crore</b> (clean for the purpose of calculating drawing power for a period upto 31.07.2012, thereafter drawing power should be adequately backed by inventory/receivable after accounting for sundry creditors).	
2	Margin	Stores & Spares Receivables (Cover period: 90 days. For transfer of power to States 180 days.)	- 25% - 15%
3	Security	<b>Primary:</b> i) First pari-passu charge over Stores & Spares to be shared among WC consortium banks for their CC limits of Rs.145 crores, SBLC of Rs.35 crores, BG of Rs.25 crores and existing secured term lenders. ii) Third pari-passu charge over receivables* with other WC consortium bankers, other term lenders, i.e. PFC, IDFC, PSB, Union Bank of India, Dena Bank, United Bank of India, Dhanalakshmi Bank, CLSS 7 Trust 2010 and Allahabad Bank (the first and second charge holders being Stand-by LC issuing banks and Generating Companies to the extent of LCs issued by consortium banks within the consortium limits, respectively).  *The company to provide no overdue receivables beyond 6 months certificate duly certified by a chartered Accountant on quarterly basis.  <b>Collateral:</b> First pari-passu charge over existing and future fixed assets of the company to be shared among existing term lenders, WC consortium banks for their CC limits of Rs.145 crores, SBLC of Rs.35 crore and BG of Rs.25 crore.	
4	Documentation & charges	Specially drafted documents on the lines of existing documents. Documents are to be executed not later than 3 months from the date of communication of sanction to the company.  Documentation charges : Rs.12,000/-+ legal charges if any applicable	
5	Rate of Interest	<b>Cash Credit:</b> At 3.25% above Base Rate i.e. present effective rate 13.25% p.a. with monthly rests. (Subject to change as per SBI / RBI guidelines).	
		<div style="text-align: center;">  <p><b>Accepted</b> <b>for TATA Power Delhi Distribution Ltd.</b></p> <p><b>Authorised signatory</b></p> </div>	


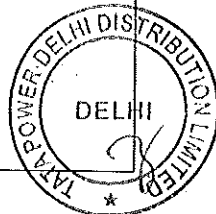


6	Periodicity of stock statements	The company should submit the stock statement monthly, by 15 <sup>th</sup> of subsequent month. The stock statement should invariably contain the full details of stocks, debtors, creditors & details of usance LCs opened and insurance details. It is essential that the outstanding borrowings at all times be fully covered by the value of security hypothecated less the stipulated margins. If at any time, the drawing power yielded by the stocks etc held by the company falls below the amount borrowed, the company shall forthwith adjust such excess borrowings. It is necessary that appropriate books and records (i.e. control ledger/ registers) are maintained by the company showing details of day-to-day relevant particulars. Further, the company shall furnish details of credits/acceptances along with the stock statement each month.
7	Valuation of Stock	1) Stores and spares at cost price or market price or Govt. controlled rate, invoice rate whichever is the lowest.
8	FFRs	FFR I is to be submitted quarterly within 6 weeks from the close of a quarter and FFR-II is to be submitted half yearly within eight weeks from the close of half year. Non submission of FFR's will be treated as default in complying with the terms of sanction and bank will be free to take necessary action in this regard if such default occurs.
9	Insurance	<p>Full Value of Stocks / fixed assets (except assets for which insurance has been waived - assets for which probability of occurrence of loss is low and magnitude of loss in case of occurrence of loss is low as compared to insurance premium) will be insured against fire, theft &amp; burglary, with Bank clause noted therein, for all the stocks hypothecated to the bank held in the company's premises, factories, godowns and in-transit.</p> <p>A list of current insurance policies should be submitted to the bank detailing therein the name of the insurer, brief description of the goods covered, types of cover and date of expiry of each policy. It should preferably be done with New India Assurance Company Ltd. under Bank's agency code 900042.</p>
10	Inspection	Waived. However, the bank reserves the right to inspect any unit/site.
11	Lead Bank Fee	Rs.15,00,000/- (Rupees Fifteen lakhs only).
12	Commitment charge	As per banks standard instructions. At present 0.25% p.a., if the average utilization is less than 60%. To be levied half yearly.
		<p style="text-align: center;"><b>Accepted</b> <b>for TATA Power Delhi Distribution Ltd.</b></p> <div style="text-align: center;">  </div> <p style="text-align: center;"><b>Authorised signatory</b></p>




13	Other charges	i) <b>LIMIT ALLOCATION CHARGES:</b> Rs.10,000/- p.a. per branch. ii) <b>INSPECTION CHARGES:</b> 125% of the actual expenses with min. of Rs.12,000/- iii) <b>NON SUBMISSION OF AUDITED BALANCE SHEET:</b> Rs.1,200/- per month, if not submitted within 6-8 months of the year end. iv) <b>DOCUMENTATION CHARGES:</b> Rs.12,000/- (If EM fee is not being recovered). v) <b>NON SUBMISSION OF STOCK STATEMENTS:</b> Rs.200/- if not submitted within 7 days of due date.
14	Validity of sanction	The Cash credit facility will be valid for a period of 12 months from the date of sanction. However, in terms of the conditions governing the cash credit facility, the loans are repayable on demand and as such the bank reserves the right to recall the loans as provided for in the agreements executed for the overall limits/cash credit facility, inter-alia, if the performance of your unit is not satisfactory or where your company is found to have used the amounts for purposes other than for which the working capital facilities are sanctioned or for any other reasons considered necessary. However, the Company has to accept the terms and conditions within 3 months.
15	Others	1. SBI, Chandni Chowk Branch shall continue to be the 'Escrow Agent' with a right to enforce lien of the WC consortium banks, over all the Company's collections pooled. 2. The Company to route its entire collections through WC Consortium banks, as far as possible. 3. The Company will sign a CDR agreement with the Banks as formatted under the CDR Scheme.
16	Other Covenants	All Standard covenants applicable.

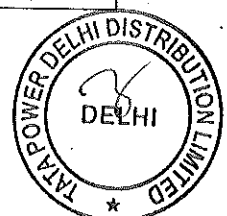
**B) Nature of facility: Stand-by Letter of Credit (favouring Generating Companies)**

1	Limit	<b>Rs.170.00 crores</b>
2	Purpose	Favouring generating/trading/transmission companies for supply of power, gas supplier/transmitters. The enhancement is subject to cancellation of non-fund limits availed by the company outside the consortium.
3	Nature	Revolving, subject to prior recovery of amounts of invocations, if any.
4	Margin	Nil (100% cash margin against disputed SBLC.)
5	Documents	As applicable for Cash Credit facility.
		<div style="text-align: right;"> <b>Accepted</b>  <b>for TATA Power Delhi Distribution Ltd.</b> </div> <div style="text-align: center;">  </div> <div style="text-align: right;"> <b>Authorised signatory</b>  </div>

6	Security	<b>Primary:</b> First pari-passu charge over receivables of the Company with other WC consortium banks for their SBLC limits.  <b>Collateral:</b> Second pari-passu charge over existing and future fixed assets of the Company with other WC consortium banks for their SBLC limits.  <b>Guarantee:</b> Counter guarantee of the Company.
7	Commission	0.50% p.a. including service tax.
8	Others	a. The SBLC will be reinstated / revolved to its original value only upon funding of prior withdrawals by the Company. b. The Bank shall not grant any additional accommodation for meeting the Company's liabilities under the SBLCs opened on their behalf and the Company shall arrange to meet the liabilities out of their funds or existing FB limits. c. If the Company fails to meet its commitments under the SBLC in time it will not be revolved further. d. The SBLC format will be approved by the Bank before it is issued.

**C) Nature of facility: Bank Guarantee**

1	Limit	<b>Rs.25.00 Crores</b>
2	Purpose	To provide guarantees to the Govt. authorities towards work undertaken on public property and to various Govt. departments like Sales Tax Dept. / Custom authorities, etc.
3	Margin	Nil (100% cash margin against disputed Bank Guarantees.)
4	Period of Guarantee	Maximum 18 months (inclusive of claim period). Can be extended by the bank on specified request.
5	Documents	As prescribed in case of Cash Credit facility
6	Security	a. As prescribed in case of Cash Credit facility, and b. Counter Guarantee of the Company.
7	Commission	0.50% p.a. including service tax.
8	Other conditions	a. Guarantees to be executed in a format acceptable to the bank and with quantum and duration of the liability clearly specified in unequivocal terms. The guarantee should contain our usual limitation clause. b. The company will honour commitment under the guarantees out of their own resources.
		<p style="text-align: right;"><b>Accepted</b> <b>for TATA Power Delhi Distribution Ltd.</b></p> <div style="display: flex; justify-content: space-around; align-items: center;">  <p style="text-align: right;"><b>Authorised signatory</b></p> </div>



**D) Nature of facility: Stand-by Letter of Credit (favouring term lenders)**

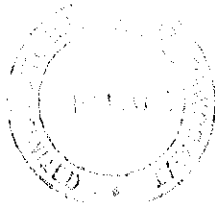
1	Limit	Rs.35.00 Crores
2	Purpose	Favouring various term lenders for part-securing their term loans to the extent of one quarter's instalments and interest, on an ongoing basis.
3	Nature	Revolving, subject to prior recovery of amounts of invocations, if any.
4	Margin	Nil (100% cash margin against disputed SBLC.)
5	Documents	As applicable for Cash Credit facility.
6	Security	As applicable for Cash Credit facility.
7	Commission	0.50% p.a. including service tax.
8	Others	a) The SBLC will be reinstated / revolved to its original value only upon funding of prior withdrawals by the Company. b) The Bank shall not grant any additional accommodation for meeting the Company's liabilities under the SBLCs opened on their behalf and the Company shall arrange to meet the liabilities out of their funds or existing FB limits. c) If the Company fails to meet its commitments under the SBLC in time it will not be revolved further. d) The format of the SBLC will be approved by the Bank before it is issued.

All other conditions remain as existing. Bank's usual covenants will be applicable.



**Accepted**  
**for TATA Power Delhi Distribution Ltd.**

**Authorised signatory**

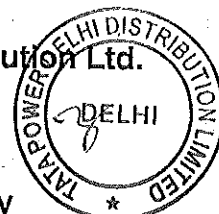


**NORTH DELHI POWER LTD. (NDPL)****Standard covenants forming part of terms and conditions:****1. Basic covenants:**

- I. Bank will have the right to examine at all times the company's books of accounts and to have the company's factories inspected, from time to time, by officer(s) of the Bank and / or qualified auditors and/ or technical experts and / or management consultants of the Bank's choice. Cost of such inspection shall be borne by the company.
- II. The company should maintain adequate books of accounts, which should correctly reflect its financial position and scale of operations and should not radically change its accounting system without notice to the Bank.
- III. The company should submit to the Bank such financial statements as may be required by the Bank from time to time, apart from the set of such statements to be furnished by the company to the Bank as on the date of publication of the company's annual accounts.
- IV. In case of default in repayment of the loan / advances or in the payment of the interest thereon or any of the agreed instalments of the loan on due date/s by the borrower, the Bank shall have the right to securitise the secured assets and in the event of such securitisation the Bank is not bound to send an individual intimation as to the said securitisation to the borrower and/or guarantor(s).
- V. In case of default in repayment of the loan / advances or in the payment of the interest thereon or any of the agreed instalments of the loan on due date/s by the borrower, the Bank and / or the RBI will have an unqualified right to disclose or publish the borrower's name or the name of the borrower's company / unit and its directors/ partners / proprietors as defaulter in such manner and through such medium as the Bank or RBI in their absolute discretion may think fit.
- VI. The Bank will have the right to share credit information as deemed appropriate with CIBIL or any other institution as approved by RBI from time to time.
- VII. The company should not induct into its Board a person whose name appears in the willful defaulters list of RBI/ CIBIL (other than as a Nominee/ Professional/ Honorary director). In case such a person is already on the Board of the borrowing company, it would take expeditious and effective steps for removal of that person from its Board.
- VIII. The company shall keep the Bank informed of the happening of any event likely to have substantial effect on their profit or business; if, for instance, monthly production or sales are substantially less than what had been indicated to the Bank, the company will inform the Bank accordingly, with explanations and the remedial steps proposed to be taken.

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- IX. Each of following events will attract penal interest at applicable rate as indicated, over and above the normal interest applicable in the account:
- Irregularities in cash credit accounts: On the entire outstandings, if continuously irregular for a period beyond 60 days; in other cases, on the irregular portion (at 2%p.a).
  - Non-submission of stock statements: Delay beyond 15 days of the succeeding month to be considered as non-submission (at 1% p.a).
  - Non-submission of renewal data beyond three months from the due date of renewal (at 1%p.a).
  - Non-compliance with covenants (at 1%p.a).

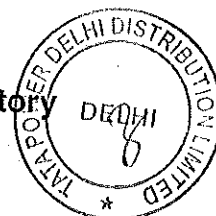
However, the total penal interest charged due to various non-compliances will not exceed 3%p.a.

## 2. Negative covenants:

- Effect any change in the company's capital structure.
- Formulate any scheme of amalgamation or reconstruction.
- Invest by way of share capital in or lend or advance funds to or place deposits with any other concern (including group companies); normal trade credit or security deposits in the normal course of business or advances to employees can, however, be extended.
- Undertake any guarantee obligation on behalf of any other company (including group companies).
- The company will not declare dividends for any year out of the profits relating to that year or of the previous years unless due obligations of the banks are met.
- Create any charge, lien or encumbrance over its undertaking or any part thereof in favour of any financial institution, bank, company, firm or persons without obtaining NOC from the bank.
- Sell, assign, mortgage or otherwise dispose off any of the fixed assets charged to the Bank without the permission of the bank, other than such assets which are declared as obsolete/scrapped in normal course of business.
- Enter into any contractual obligation of a long-term nature or affecting the company financially to a significant extent.
- xi) Change the practice with regard to remuneration of directors by means of ordinary remuneration or commission, scale of sitting fees, etc.

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- X. In the event of default the company should not transfer the controlling interest or make any drastic change in the management set- up without bank's permission.
- XI. Repay monies brought in by the promoters/ directors/ principal shareholders and their friends and relatives by way of deposits/ loans / advances. Further, the rate of interest, if any, payable on such deposits/ loans/ advances should be lower than the rate of interest charged by the Bank on its term loan and payment of such interest will be subject to regular repayment of instalments under term loans granted/ deferred payment guarantees executed by the Bank or other repayment obligations, if any, due from the company to the Bank. All unsecured loans/ deposits raised by the company for financing a project are always subordinate to the loans of the banks/ financial institutions.

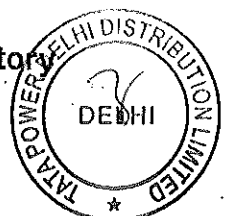
### 3. Optional covenants:

- I. The company shall keep the Bank advised of any circumstance adversely affecting the financial position of their subsidiaries/ group companies or companies in which it has invested, including any action taken by any creditor against the said companies legally or otherwise.
- II. In the event of default by the company, the Bank will have the option of appointing its nominee on the Board of directors of the company to look after its interest. The director's normal fees and expenses will be defrayed by the company. Such director shall not be required to hold qualification shares and shall not be liable to retirement so long as the credit facilities granted by the Bank to the company are outstanding. When the option is exercised by the Bank, the company shall submit sufficiently in advance agenda papers relating to meetings of the Board of director or any committees thereof and forward duly certified copies of the proceedings of such meetings. The Bank will have the right to appoint a nominee to attend any meeting of shareholders, where the right is exercised, the agenda papers and proceedings should be sent to the Bank sufficiently in advance.
- III. The company agrees to offer to the Bank, on a right to first refusal basis at least pro-rata business relating to remittances, bills / cheque purchase, non-fund based transactions including LCs and BGs, forex transactions and any interest rate or currency hedging business contemplated.
- IV. The Bank will have the right to convert the debt into equity, at a time felt appropriate by the Bank, at a mutually acceptable formula.

Accepted  
for TATA Power Delhi Distribution Ltd.



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GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
LABOUR DEPARTMENT  
5, SHAM NATH MARG, DELHI-54

F.12 (142)/02/MW/Lab/ 5556

Dated: 18-3-11

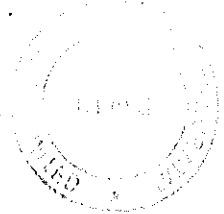
ORDER

1. Whereas, the Government of National Capital Territory of Delhi, had last revised the minimum rates of wages in Scheduled Employments under the Minimum Wages Act, 1948 in the National Capital Territory of Delhi vide Order No. F.12 (142)/02/MW/Lab/1850 dated 8<sup>th</sup> September, 2009.
2. Whereas, the Government of National Capital Territory of Delhi had constituted a tripartite Committee to review the existing formula. The Committee had its final meeting on 25.01.2011;
3. And whereas, the Government has considered the recommendations of the Committee.
4. Now, therefore, the Government of National Capital Territory of Delhi declares the following minimum rates of wages w.e.f. 01.02.2011 based on the rates announced by the Government of India. These rates will be applicable in all 29 scheduled employments:

Category of Worker	Rate w.e.f. 01.02.2010	Revised rates from 01.02.2011	
	Per Month (Rs.)	Per Day (Rs.)	Per Month (Rs.)
Unskilled	5278.00	234.00	6084.00
Semi Skilled	5850.00	259.00	6734.00
Skilled	6448.00	285.00	7410.00
<b>Clerical and Non-Technical Supervisory staff</b>			
Category of Worker	Rate w.e.f. 01.02.2010	Revised rates from 01.02.2011	
	Per Month (Rs.)	Per Day (Rs.)	Per Month (Rs.)
Non matriculates	5850.00	259.00	6734.00
Matriculate but not graduate	6448.00	285.00	7410.00
Graduate and above	7020.00	310.00	8060.00

NB: Cases of tampering with the order have come to our notice. Employers/Workers may confirm these rates from the Website of Labour Department- labour.delhigovt.nic.in.

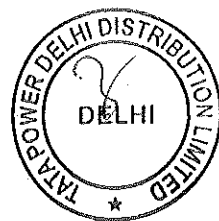
*P. Sharma*  
(Piyush Sharma)  
Joint Secretary (Labour)



Copy forwarded to:-

- 1 Dy. Secretary, GAD, Government of Delhi, (2 Copies), for publication in Delhi Gazette Extraordinary part-IV in today's date.
- 2 Secretary of Govt. of India, Ministry of Labour, Shram Shakti Bhawan, Rafi Marg, New Delhi.
- 3 Secretary to the Lt. Governor, Govt. of NCT of Delhi.
- 4 Secretary to the Speaker, Delhi Vidhan Sabha Delhi.
- 5 Secretary to the Chief Minister, Government of Delhi.
- 6 Secretary to Minister of Education, Transport, Gurudwara Election and Administration, Government of Delhi.
- 7 Secretary to Minister of Health & Family Welfare, Employment, Revenue, Irrigation & Flood, Govt. of Delhi.
- 8 Secretary to Minister of Power, Food & Civil Supplies, Development, Govt. of Delhi.
- 9 Secretary to Minister of Social Welfare, Women & Child Department, Languages, Govt. of Delhi.
- 10 Secretary to Minister of Public Works Department, SC/ST Welfare Department, Urban Development, Land and Building, Govt. of Delhi.
- 11 Secretary to Minister of Industries, Labour, Elections Govt. of Delhi.
- 12 Heads of all Departments, Govt. of NCT of Delhi.
- 13 Chief Labour Commissioner (c), Shram Shakti Bhawan, Rafi Marg, New Delhi.
- 14 Secretary (Labour) of Haryana, Punjab, Himachal Pradesh, Uttar Pradesh, Jammu & Kashmir, Rajasthan and U.T. Chandigarh.
- 15 General Secretary of Delhi State BMS, INTUC, CITU, AITUC, H.M.S.
- 16 Secretary General of CII, FICCI, PHDCCI, ASSOCHAM with the request to circulate copies of this order to the local Employers Organizations with the directions that the revised minimum rates be paid to the workmen employed in their establishment. Copies of such circulars may be kindly be endorsed to this office.
- 17 District DLC's for distribution to local Trade Unions and Employer's Associations.
- 18 Dy. Secretary (Finance) Govt. of NCT of Delhi with the request to issue the necessary directions for workers employed in the offices of the Government of Delhi.
- 19 Regional Labour Commissioner (C), 4<sup>th</sup> Floor, Jiwan Deep Building, Parliyamant Street, New Delhi.
- 20 Deputy Director, Minimum Wages Cell, Ministry of Labour, Shram Shakti Bhawan, New Delhi.
- 21 Joint Director, Labour Bureau, SCO 28-31, Sec-17A, Chandigarh-160017
- 22 Librarian, Office of the Labour Commissioner, Delhi
- 23 AD (Planning & Statistics), Labour Department, Government of Delhi, for publication on the web-site of the Department, in the Labour Statistics and for laying on the table of the Vidhan Sabha.
- 24 Guard File.

  
Joint Secretary (Labour)



श्रम विभाग राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार  
5-शामनाथ मार्ग, दिल्ली-110054

संख्या: एफ12(142)/02/एम0डब्ल्यू/लैब/5556

दिनांक: 18.3.11

आदेश

1. जबकि राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार ने राष्ट्रीय राजधानी क्षेत्र, दिल्ली में न्यूनतम मजदूरी अधिनियम, 1948 के अंतर्गत आने वाले अनुसूचित नियोजनों में न्यूनतम मजदूरी की दरें अधिसूचना संख्या एफ-12(142)/02/एम0डब्ल्यू/लैब/1850 दिनांक 08 सितम्बर, 2009 द्वारा पुनरीक्षित की थी।
2. और जबकि, राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार ने वर्तमान पद्धति के पुनरीक्षण के लिये एक त्रिपक्षीय समिति गठित की थी। समिति की आखिरी बैठक 25.1.2011 को हुई थी।
3. और जबकि, राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार ने समिति की सिफारिशों पर विचार किया।
4. अब इसलिए राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार 1 फरवरी 2011 से निम्नालिखित महंगाई भत्ते की घोषणा करती है, जो कि भारत सरकार द्वारा घोषित न्यूनतम दरों पर आधारित है। यह दरें सभी 29 अनुसूचित नियोजनों पर लागू होगी :-

श्रेणी	01-02-2010 से मजदूरी दरें (रुपये)	01-02-2011 से संशोधित दरें (रुपये)	
		प्रतिदिन	प्रतिमाह
अकृशल	5278.00	234.00	6084.00
अर्द्ध-कृशल	5850.00	259.00	6734.00
कृशल	6448.00	285.00	7410.00

क्लेरिकल तथा नान टेक्नीकल सुपरवाइजरी स्टाफ:-

श्रेणी	01-02-2010 से मजदूरी दरें (रुपये)	01-02-2011 से संशोधित दरें (रुपये)	
		प्रतिदिन	प्रतिमाह
नान मैट्रीकुलेशन	5850.00	259.00	6734.00
मैट्रीकुलेट लेकिन नान ग्रेजुएट	6448.00	285.00	7410.00
ग्रेजुएट व उसके उपर	7020.00	310.00	8060.00

टिप्पणी:- आदेश में छेड़-छाड़ के मामले हमारी जानकारी में आये हैं। नियोजक/श्रमिक इन दरों की पुष्टि श्रम विभाग की वेबसाइट - [labour.delhigovt.nic.in](http://labour.delhigovt.nic.in) से कर सकते हैं।

(पीयूष शर्मा)  
संयुक्त सचिव (श्रम)

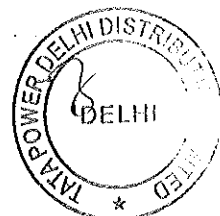


प्रतिलिपि निम्न का सूचनार्थ प्रेषित:-

1. उप-सचिव, सामान्य प्रशासन विभाग, दिल्ली का आज के असाधारण राजपत्र भाग-4 में प्रकाशनार्थ । (दो प्रतियां)
2. सचिव, श्रम मंत्रालय, भारत सरकार, श्रम शक्ति भवन, रफी मार्ग, नई दिल्ली ।
3. राज्यपाल, रा0रा0 क्षेत्र, दिल्ली के सचिव ।
4. अध्यक्ष के सचिव, दिल्ली विधानसभा, दिल्ली ।
5. मुख्यमंत्री के सचिव, दिल्ली सरकार, दिल्ली ।
6. यातायात, शिक्षा, गुरुद्वारा चुनाव और प्रशासन मंत्री के सचिव, दिल्ली सरकार, दिल्ली
7. चिकित्सा और परिवार कल्याण, रोजगार, राजस्व, सिंचाई और बाढ़ नियंत्रण मंत्री के सचिव, दिल्ली सरकार, दिल्ली ।
8. गिजली, खेद और नागरिक आपूर्ति, विकास मंत्री के सचिव, दिल्ली सरकार, दिल्ली
9. सामाजिक कल्याण, महिला और बाल विकास और भाषा विभाग, मंत्री के सचिव मंत्री के सचिव दिल्ली सरकार, दिल्ली ।
10. लोक निर्माण विभाग, अनुसूचित जाति, जनजाति कल्याण, शहरी विकास, मंत्री के सचिव, दिल्ली सरकार, दिल्ली ।
11. उद्योग, श्रम और चुनाव मंत्री के सचिव, दिल्ली सरकार, दिल्ली ।
12. दिल्ली सरकार के सभी विभागाध्यक्ष को सूचनार्थ ।
13. मुख्य श्रमायुक्त (केंद्रीय), भारत सरकार, श्रम शक्ति भवन, रफी मार्ग, दिल्ली
14. सचिव श्रम - हरियाणा, पंजाब, हिमाचल प्रदेश, उत्तर प्रदेश, जम्मू और कश्मीर, उत्तराखण्ड और यू0टी0, चंडीगढ़ ।
15. महासचिव, भा0न0संघ0, इन्डक, सीडू, एटक, एच0एम0एस0 ।
16. महासचिव, सी0आई0आई0, फिक्की, पी0एच0डी0सी0सी0आई0, एसोसिये, इस अनुन्मत्त के साथ कि इस आदेश की प्रति स्थानीय नियोजकों के संगठनों को प्रेषित की जाए, इस निर्देश के साथ कि सभी संस्थान अपने यहाँ कार्यरत श्रमिकों को संशोधित दरों के आधार पर मुआवजा करें । फॉर्मों की एक प्रति इस कार्यालय को भी प्रेषित करने का कष्ट करें ।
17. जिला उप-श्रमायुक्त, ट्रेड यूनियन और नियोजता संघों में वितरण के लिए ।
18. उप-सचिव (वित्त) रा0रा0 क्षेत्र, दिल्ली को इस अनुरोध के साथ कि वे रा0रा0 क्षेत्र दिल्ली सरकार के कार्यालयों में नियोजित कामगारों को दी जाने वाली मजदूरी से संबंधित निर्देश जारी करें ।
19. केंद्रीय श्रमायुक्त (केंद्रीय), श्रम मंत्रालय, 4वीं मंजिल, जीवन दीप भवन, संसद मार्ग, नई दिल्ली ।
20. उप-निदेशक, न्यूनतम मजदूरी, भारत सरकार, श्रम मंत्रालय, श्रम शक्ति भवन, नई दिल्ली ।
21. संयुक्त निदेशक, भारत सरकार, श्रम मंत्रालय, श्रम ब्यूरो, एस0सी0ओ0, 25-31 नुम्बर-17(ए), चंडीगढ़-160017
22. पुस्तकालयाध्यक्ष, श्रमायुक्त कार्यालय, 5-शामनाथ मार्ग, दिल्ली-110054
23. सहायक निदेशक (योजना), श्रम विभाग, दिल्ली को सांख्यिकी व वेबसाइट में शामिल करने के लिए तथा विधानसभा के पटल पर रखने के लिए ।
24. गार्ड फाईल ।

प्रति श्री अमी

संयुक्त सचिव (श्रम)



( TO BE PUBLISHED IN THE DELHI GAZETTE EXTRA ORDINARY PART IV )  
GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
( LABOUR DEPARTMENT )

No. 12(27)/142/11MW/Lab/2045

Dated 26.07.2011

**NOTIFICATION**

No. 12(27)/142/11MW/Lab/ In exercise of powers conferred by sub-section (2) of Section 5 of the Minimum Wages Act, 1948 (XI of 1948) read with the Government of India, Late Ministry of States Notification No.104-J dated 24<sup>th</sup> August, 1950 and Ministry of Home Affairs Notification No.S.O.530(F.2/9/66-UTL) dated 6<sup>th</sup> February, 1967 and all other powers enabling him in this behalf, the Lt. Governor of the National Capital Territory of Delhi, after considering the recommendations of the Minimum Wages Advisory Committee constituted under Section 5(1) of the Minimum Wages Act, 1948 and also the advice of the Government is pleased to revise, as per Schedule below, the minimum rates of wages already fixed vide the Notification No.F.12(27)/92/MW/Lab/148 dated 15<sup>th</sup> Feb., 1994 in the Scheduled employment in Employment in all Factories not Covered by other scheduled Employment in the National Capital Territory of Delhi.

This notification shall come into force with effect from 1<sup>st</sup> April, 2011 from which date the Notification No.F.12(27)/92/MW/Lab/148 dated 15<sup>th</sup> Feb., 1994 shall cease to have effect.

**SCHEDULE**

EMPLOYMENT IN ALL FACTORIES NOT COVERED BY ANY OTHER  
SCHEDULED EMPLOYMENT

**CATEGORY OF EMPLOYEES**

**MINIMUM RATES OF WAGES  
PER MONTH OR PER DAY**

**1. UNSKILLED**

Labour, Skin Cleaner, Skin Salter,  
Peon, Fireman, Helper, Packer,  
Watchman, Chowkidar, Dress Maker,  
Gardners, Harding Tunnel, Sweeper,  
Stamping, Marketing, Punching,  
Folding, Slapping, Bending,  
cleaning, Chementry, Stretcher,  
Nailingman, Bobbing Gill Box,  
Charka Helper,  
Any other unskilled worker by  
whatever name may be called.

Rs. 6422.00    Rs. 247.00



2. **SEMI-SKILLED**

Kinariwala and Gittu, Machineman, Rs. 7098.00 Rs. 273.00  
Gr.II, Asstt. Mistry,  
Asstt. Machineman,  
PVC Welder, Supporting Fitter,  
Jr. Operator/Asstt. Operator,  
Asstt. Body Builders,  
Asstt. Moulder,  
Boiler Attendent/Boilerman,  
Pastorisation Attendent,  
Fitters (Shoe Making),  
Asstt. Mechanic,  
Asstt. Machine Operator,  
Beem Setter, Weaver,  
Dreamer, Laboratory Chemist,  
Netting, Cutting, Skyingman,  
Brasher, Washer, Shaver,  
Buffer, Any other Semi-skilled  
worker by whatever name may  
be called.

3. **SKILLED**

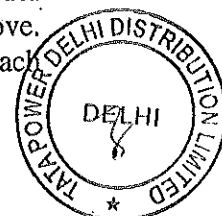
Rs. 7826.00 Rs. 301.00

Glass Blower, Grindingman, Mistry, Mason, Machineman Gr.I, Electroplater,  
Turner, Policeman, Buffing Machine, Cutter, Tailor, Operator, Driver, Moulder,  
Blowingman, Gratuationman, Body Builder, Artist, Dye-Maker, Chief Chemist,  
Latherman, Shaperman, Candy Plant Attendent, Freezer operator, Buffer,  
Refrigeration Mechanics, Bleachers, Lusters, Finishers & Stitchers, Shoe Maker,  
Engineer, Technician, Foreman, Electrician Gr.I, Mechanic, Wireman,  
Candleman, Supervisor, Design Cutting, Upper Sewing, Spinning Maker,  
Machine Operator, Any other skilled workers.

**Clerical & Non-Technical Supervisory Staff**

1. Non Matriculates	Rs. 7098.00	Rs. 273.00
2. Matriculates but not Graduates.	Rs. 7826.00	Rs. 301.00.
3. Graduates and above	Rs. 8502.00	Rs. 327.00

Note: 1. The minimum rates of wages being fixed are linked with All India Consumer Price Index (Base 2001=100). The present wages have been fixed on the basis of index number 171.33 which is the average of the index number for the period July to December 2010. The rate of adjustment is Rs. 1.35 per point for Unskilled, Rs. 1.50 per point for Semi skilled, Rs. 1.65 per point for Skilled, Rs. 1.50 per point for Non matriculates, Rs. 1.65 per point for Matriculates but not Graduate and Rs. 1.80 per point for Graduate and above. Adjustment will be made six monthly, i.e., on 1st April and 1st October each





year after taking into account the average index numbers for July to December of the previous year and January to June of the current year respectively.

2. The minimum rates of wages shall not be affected as a result of the linkage in as much as the wages shall not fall below those being fixed now.
3. The daily amount of Dearness Allowance would be rounded off to the next higher rupee.
4. The minimum rates of wages are inclusive of wages for weekly off day and no separate payment would be necessary on this account.

By order and in the name of  
the Lieutenant Governor of the  
National Capital Territory of Delhi.

(--Sd--)

( PIYUSH SHARMA )

JOINT SECRETARY( LABOUR )

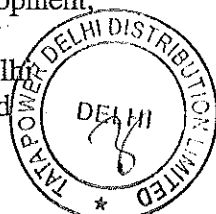
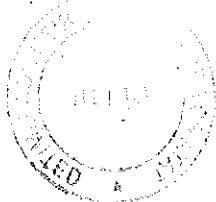
NATIONAL CAPITAL TERRITORY OF DELHI

Dated

12(27)/142/11MW/Lab

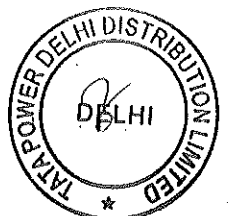
**Copy forwarded to:-**

1. Dy.Secretary, GAD, Government of Delhi(2 copies), for publication in Delhi Gazette Extraordinary Part-IV in today's date
2. Secretary to Government of India, Ministry of Labour, Shram Shakti Bhawan, Rafi Marg, New Delhi.
3. Secretary to the Lt.Governor, Government of NCT of Delhi.
4. Secretary to the Chief Minister, Government of NCT of Delhi.
5. Secretary to the Minister of Education, Transport, Gurdwara Election and Administration, Government of NCT of Delhi.
6. Secretary to the Minister of Health & Family Welfare, Employment Revenue, Irrigation & Flood Control, Government of NCT of Delhi
7. Secretary to the Minister of Power, Food & Civil Supplies, Development, Government of NCT of Delhi
8. Secretary to the Minister of Social Welfare, Women & Child Development, Languages, Government of NCT of Delhi
9. Secretary to Minister of PWD, SC/ST Welfare, Building & Urban Development, Government of NCT of Delhi
10. Secretary to Minister of Industries, Labour, Election, Govt of NCT of Delhi
11. Secretary to Delhi State Assembly, Government of NCT of Delhi for kind information of the Chairman and the Deputy Chairman.



12. OSD to Chief Secretary, Government of NCT of Delhi.
13. Principal Secretary(Labour), Government of NCT of Delhi, Delhi Secretariat, Delhi.
14. Labour Commissioner, Government of NCT of Delhi, 5, Sham Nath Marg, Delhi.
15. Heads of all Departments, Government of NCT of Delhi.
16. Chief Labour Commissioner(Central). Govt.of India, Shram Shakti Bhawan, Rafi Marg, New Delhi.
17. Secretary (Labour) of Haryana, Punjab, Himachal Pradesh, Uttar Pradesh, Jammu & Kashmir, Rajasthan, and Union Territory, Chandigarh.
18. General Secretary of Delhi State BMS, INTUC, CITU, AITUC, HMS.
19. Secretary General of CII, FICCI, PHDCCI, ASSOCHAM with the request to circulate copies of this order to the local employers, organizations, with the directions that the revised minimum rates be paid to the workmen employed in their establishment. Copies of such circulars may be kindly endorsed to this office.
20. District DLCs. for distribution to local Trade Unions and Employers' Associations.
21. Dy.,Secretary(Finance), Government of NCT of Delhi. With the request to issue the necessary directions for workers employed in the offices of Govt. of Delhi.
22. Regional Labour Commissioner (Central), 4<sup>th</sup> floor, Jiwan Deep Building, Parliament Street, N.Delhi.
23. Dy.Director, Minimum Wages Cell, Ministry of Labour, Shram Shakti Bhawan, Rafi Marg, New Delhi.
24. Joint Director, Labour Bureau , SCO 28-31, Sec,17 A, Chandigarh-160017.
25. Librarian, Office of Labour Commissioner, Government of NCT of Delhi
26. Asstt.Director (Planning & Statistics), Labour Department , Government of NCT of Delhi for publication on the website of the Department, in the Labour Statistics and for laying on the table of the Vidhan Sabha.
27. Guard File.

JOINT SECRETARY(LABOUR)



GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
LABOUR DEPARTMENT  
5, SHAM NATH MARG, DELHI-54

F.12(142)/11/MW/Lab/ 41124

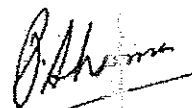
Dated: 05/12/11

CORRIGENDUM

The following amendments are made in the Delhi Government Notification No.F.12(142)/11/MW/Lab/3650 dated 31.10.11 revising minimum rates of wages in different Scheduled Employment under Minimum Wages Act, 1948:-

In the "Semi-skilled Category" and "Non-Matriculate Category" the figure "Rs.7358.00" should be read instead of existing figure "Rs.7356.00".

By Order,

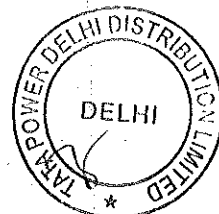


(Piyush Sharma)

Joint Secretary (Labour)

Copy to:

1. Secretary to Government of India, Ministry of Labour, Shram Shakti Bhawan, Rafi Marg, New Delhi.
2. Secretary to the Lt.Governor, Government of NCT of Delhi.
3. Secretary to the Chief Minister, Government of NCT of Delhi.
4. Secretary to the Minister of Education, Transport, Gurdwara Election and Administration, Government of NCT of Delhi.
5. Secretary to the Minister of Health & Family Welfare, Employment Revenue, Irrigation & Flood Control, Government of NCT of Delhi.
6. Secretary to the Minister of Power, Food & Civil Supplies, Development, Government of NCT of Delhi.
7. Secretary to the Minister of Social Welfare, Women & Child Development, Languages, Government of NCT of Delhi.
8. Secretary to Minister of PWD, SC/ST Welfare, Building & Urban Development, Government of NCT of Delhi.
9. Secretary to Minister of Industries, Labour, Election, Govt of NCT of

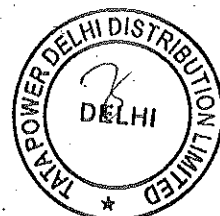


Delhi

10. Secretary to Delhi State Assembly, Government of NCT of Delhi for kind Information of the Chairman and the Deputy Chairman.
11. OSD to Chief Secretary, Government of NCT of Delhi.
12. Principal Secretary(Labour), Government of NCT of Delhi, Delhi Secretariat, Delhi.
13. Labour Commissioner, Government of NCT of Delhi, 5, Sham Nath Marg, Delhi.
14. Heads of all Departments, Government of NCT of Delhi.
15. Chief Labour Commissioner(Central). Govt.of India, Shram Shakti Bhawan, Rafi Marg, New Delhi.
16. Secretary (Labour) of Haryana, Punjab, Himachal Pradesh, Uttar Pradesh, Jammu & Kashmir, Rajasthan, and Union Territory, Chandigarh.
17. General Secretary of Delhi State BMS, INTUC, CITU, AITUC, HMS.
18. Secretary General of CII, FICCI, PHDCCI, ASSOCHAM with the request to circulate copies of this order to the local employers, organizations, with the directions that the revised minimum rates be paid to the workmen employed in their establishment. Copies of such circulars may be kindly endorsed to this office.
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21. Regional Labour Commissioner (Central), 4th floor, Jiwan Deep Building, Parliament Street, N.Delhi.
22. Dy.Director, Minimum Wages Cell, Ministry of Labour, Shram Shakti Bhawan, Rafi Marg, New Delhi.
23. Joint Director, Labour Bureau, SCO 28-31, Sec,17 A, Chandigarh-160017.
24. Librarian, Office of Labour Commissioner, Government of NCT of Delhi
25. Asstt.Director (Planning & Statistics), Labour Department, Government of NCT of Delhi for publication on the website of the Department, in the Labour Statistics and for laying on the table of the Vidhan Sabha.
26. Guard File.

JOINT SECRETARY (LABOUR)

GOVERNMENT OF NCT OF DELHI



GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
LABOUR DEPARTMENT  
5, SHAM NATH MARG, DELHI-54

F.12(142)/11/MW/Lab/3650

Dated: 9/11/11

ORDER

1. Whereas the Government of National Capital Territory of Delhi, had last revised the minimum rates of wages in Scheduled Employments under the Minimum Wages Act, 1948 in the National Capital Territory of Delhi vide notifications no.12(142)/11/MW/Lab/2023-47 dated 26.07.2011

2. And whereas, in the abovementioned notification, it was stipulated that the Dearness Allowance will be payable on the basis of six monthly average index numbers of January to June and July to December, on 1<sup>st</sup> April and 1<sup>st</sup> October respectively.

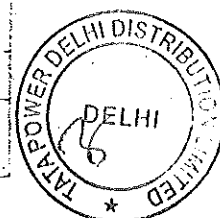
3. And whereas, now, the Government of National Capital Territory of Delhi, after adjustment of the average Consumer Price Index Number for the period from January 2011 to June 2011 which is 186.67, an increase of 6.17 points, hereby declares the following Dearness Allowance, which shall be payable for all categories w.e.f. 1.10.2011.

4. The following rates are applicable in respect of unskilled, semiskilled and skilled categories in all scheduled employments except employment in 'Shops and Establishments' and employment in 'Clubs'.

Category	Rates as on 01.04.2011	Dearness Allowances w.e.f. 1.10.2011	Rates from (Rupees) 01.10.2011	
	(Rupees)		Per-Month	Per-Day
Un-skilled	6422.00	234.00	6656.00	256.00
Semi Skilled	7098.00	260.00	7356.00	283.00
Skilled	7826.00	286.00	8112.00	312.00

5. The following rates are applicable in respect of unskilled, semiskilled and skilled categories in (i) Employment in Shops and Establishments (ii) Employment in Clubs, which are as follows.

Category	Rates as on 01.04.2011	Dearness Allowances w.e.f. 1.10.2011	Rates from (Rupees) 01.10.2011	
	(Rupees)		Per-Month	Per-Day
Un-skilled	(i) 6422.00	234.00	(i) 6656.00	(i) 256.00
	(ii) 6297.00		(ii) 6531.00	(ii) 251.00



	(iii) 5628.00 (iv) 5521.00		(iii) 5862.00 (iv) 5755.00	(iii) 225.00 (iv) 221.00
Semi Skilled	(i) 7098.00 (ii) 6973.00 (iii) 6304.00 (iv) 6197.00	260.00	(i) 7356.00 (ii) 7233.00 (iii) 6564.00 (iv) 6457.00	(i) 283.00 (ii) 278.00 (iii) 252.00 (iv) 248.00
Skilled	(i) 7826.00 (ii) 7701.00 (iii) 7032.00 (iv) 6925.00	286.00	(i) 8112.00 (ii) 7987.00 (iii) 7318.00 (iv) 7211.00	(i) 312.00 (ii) 307.00 (iii) 281.00 (iv) 277.00

(i) Where neither meals nor lodging is provided (ii) Where only lodging is provided

(iii) Where only meals twice a day is provided (iv) Where both meals and lodging are provided.

6. The following rates are applicable in respect of Clerical and Non-Technical Supervisory Staff in all Scheduled employments.

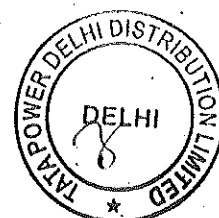
Category	Rates as on 01.04.2011	Dearness Allowances w.e.f. 1.10.2011 (Rupees)	Rates from (Rupees) 01.10.2011	
	(Rupees)		Per-Month	Per-Day
Non-matriculates	7098.00	260.00	7356.00	283.00
Matriculates but not graduates	7826.00	286.00	8112.00	312.00
Graduates and above	8502.00	312.00	8814.00	339.00

*Piyush Sharma*  
(Piyush Sharma)  
Joint Secretary (Labour)

NB: Case of tampering with the order have come to our notice. Employers/Workers may confirm from Website of Labour Department-labour.delhigovt.nic.in.

Copy forwarded to:-

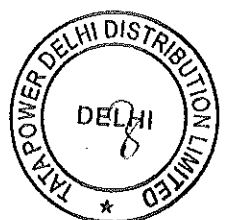
1. Secretary of Govt. of India, Ministry of Labour, Shram Shakti Bhawan, Rafi Marg, New Delhi.
2. Principal Secretary to the Lt. Governor, Govt. of NCT of Delhi.
3. Principal Secretary to the Speaker, Delhi Vidhan Sabha Delhi.
4. Principal Secretary to the Chief Minister, Government of Delhi.
5. Secretary to Minister of Finance, Planning, Urban Development and Land and Building, Government of Delhi
6. Secretary to Minister of Education, Transport, Gurudwara Election and Administration, Govt. of Delhi.
7. Secretary to Minister of Development, Revenue, PWD, Irrigation and Flood and Welfare of SC and ST, Govt. of Delhi.



8. Secretary to Minister of Social Welfare, Labour, Employment, Law Justice and Legislative Affairs and Election, Govt. of Delhi.
9. Secretary to Minister of Health, Women and Child Development and Languages, Govt. of Delhi.
10. Secretary to Minister of Food Supplies and Industries, Govt. of Delhi
11. Heads of all Departments, Govt. of NCT of Delhi.
12. Chief Labour Commissioner (c), Shram Shakti Bhawan, Rafi Marg, New Delhi.
13. Secretary (Labour) of Haryana, Punjab, Himachal Pradesh, Uttar Pradesh, Jammu & Kashmir, Rajasthan and U.T. Chandigarh.
14. General Secretary of Delhi State. BMS, INTUC, CITU, AITUC, H.M.S.
15. Secretary General of CII, FICCI, PHDCCI, ASSOCHAM with the request to circulate copies of this order to the local Employers Organizations with the directions that the revised minimum rates be paid to the workmen employed in their establishment. Copies of such circulars may be kindly be endorsed to this office.
16. District DLC's.
17. Dy. Secretary (Finance) Govt. of NCT of Delhi with the request to issue the necessary directions for workers employed in the offices of the Government of Delhi.
18. Regional Labour Commissioner (C), 4<sup>th</sup> Floor, Jiwan Deep Building, Parliyamant Street, New Delhi.
19. Deputy Director, Minimum Wages Cell, Ministry of Labour, Shram Shakti Bhawan, New Delhi.
20. Joint Director, Labour Bureau, SCO 28-31, Sec-17A, Chandigarh-160017.
21. AD (Planning & Statistics): Labour Department, Government of Delhi, for publication on the web-site of the Department, in the Labour Statistics.
22. Assistant Labour Commissioner(Sharamik Helpline).
23. Librarian, Office of the Labour Commissioner, Delhi.
24. Copy to Delhi Printer Association and Delhi Hindustani Mercantile Association with the request to publish minimum wages rates in their Magazines.
25. Guard File.

  
Joint Secretary (Labour)









## **'GATE'WAY to Maharatna NTPC** **for Graduate Engineers**

NTPC Limited, India's largest power company with an installed capacity of 34,845 MW is presently operating 15 coal based, 7 gas based power stations and 6 Joint Ventures Companies. NTPC contributed around 1/3<sup>rd</sup> of the country's entire power generation during the year 2010-11 and plans to become a 128 GW power company by 2032. NTPC is powering ahead by diversifying its portfolio to emerge as an integrated power major with presence across the entire energy value chain.

A Maharatna and one of the most reputed company, NTPC has won many prestigious awards and is amongst the best employers in the country.

To fuel its ambitious growth plan NTPC is looking for promising, energetic young Graduate Engineers with brilliant academic record to join the organization as:

<b>300 ENGINEERING EXECUTIVE TRAINEES in disciplines of</b>
<b>* Electrical(112) * Mechanical(89) * Civil(38) * Instrumentation(31) * Electronics(30)</b>

### **QUALIFICATION:**

Full time Bachelor's Degree in Engineering or Technology/AMIE with not less than 65% marks, taking average of all the Semesters/Years, irrespective of the weightage given to any particular semester/year by the Institute/University. Final year/semester students are also eligible however they have to obtain at least 65% marks in their engineering degree. A candidate with the prescribed degree identified for the discipline as given below can only apply for the post of EETs in the respective disciplines:

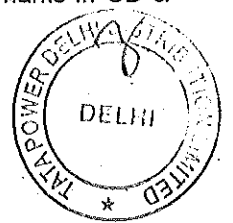
<b>Discipline</b>	<b>Prescribed full time degrees in Engineering</b>
Electrical Engg	Electrical / Electrical & Electronics / Electrical, Instrumentation & Control / Power Systems & High Voltage / Power Electronics / Power Engineering
Mechanical Engg	Mechanical / Production / Industrial Engg/ Production & Industrial Engg/ Thermal / Mechanical & Automation / Power Engineering
Civil Engg	Civil Engineering
Instrumentation Engg	Electronics & Instrumentation / Instrumentation & Control
Electronics Engg	Electronics / Electronics & Telecommunication / Electronics & Power/ Power Electronics/ Electronics & Communication/ Electrical & Electronics

### **AGE LIMIT:**

Upper Age limit is 27 years as on 01.01.2012 i.e. candidates born before 01.01.85 need not apply.

### **SELECTION PROCESS:**

Eligible candidates will have to appear for Graduate Aptitude Test in Engineering (GATE)-2012. Based on the GATE-2012 score and requirement, candidates will be short listed for Group Discussion and Personal Interview. Candidates have to secure minimum qualifying marks in GD & interview.



Candidates are required to appear for GATE-2012 paper as detailed below:

Engineering Disciplines as advertised by NTPC	Corresponding GATE-2012 Paper	Corresponding GATE-2012 Paper Code
Electrical Engineering (Including Electrical & Electronics, Power Engineering)	Electrical Engineering	EE
Mechanical Engineering (Including Mechanical & Automation, Power Engineering, Production Engg, Thermal Engg, Industrial Engineering, Production & Industrial Engineering)	Mechanical Engineering	ME
Civil Engineering	Civil Engineering	CE
Instrumentation Engineering (Including Electronics & Instrumentation Engg, Instrumentation & Control Engg)	Instrumentation Engineering	IN
Electronics Engineering (Including Electronics, Electronics & Telecommunication, Electronics & Power, Power Electronics, Electronics & Communication and Electrical & Electronics)	Electronics Engineering	EC

#### COMPENSATION PACKAGE:

NTPC Ltd. offers one of the best pay packages in the industry. Selected candidates will be placed in the pay scale of Rs. 24900-3%-50500 at the basic pay of Rs. 24900/- during one-year training. These candidates will be absorbed after successful completion of training as Engineer / Officer in the pay scale of Rs. 24900-3%-50500 at a basic pay of Rs. 25650/-. Besides basic pay candidates will also be paid Dearness Allowance and will also be entitled for other perquisites & allowances under cafeteria approach. Benefits such as leave, medical treatment, Provident Fund, Gratuity, etc will be admissible as per company rules in force from time to time during training / after absorption.

#### PLACEMENT:

The selected candidates shall undergo one year training at various places. The region in which the selected candidates will be posted will be decided at the time of joining, however final place of posting in that region will be allocated after successful completion of training based on the performance during the training and requirement at each location. Candidates can be placed, across the country, in any of the functions at projects/ stations or offices including joint ventures & subsidiary companies of NTPC.

#### RESERVATIONS AND RELAXATIONS:

01 Reservations and relaxations for SC / ST / OBC (non-creamy layer) / PWD (degree of disability 40% or above) candidates will be provided as per Government guidelines.

02 Disabilities identified for various disciplines are as follows:

Disciplines	Type of Disability	Legend
Electrical	OL, HH,	OL: One Leg, OA: One Arm BL: Both Legs HH: Hearing Handicapped LV: Low Vision PD: Partially Deaf BH: Stiff back and hips
Mechanical	OA*, OL, PD*	
Civil	OL, OA, HH	
Instrumentation	OL, HH	
Electronics	OL, HH	

\* Only if enrolled in the relevant course prior to 18.1.2007.



- 03 Category (SC / ST / OBC / PWD) once filled in the online application form will not be changed and no benefit of other category will be admissible later on. The reserved category candidates are required to submit requisite certificate in the prescribed format of Government of India, issued by the competent authority, at the time of interview, if called for.
- 04 No registration fee will be charged from candidates applying for NTPC Ltd.
- 05 SC, ST and PWD candidates with at least 55% marks in qualifying examination are eligible to apply for the post.
- 06 The upper age limit is relaxed by 5 years for SC/ST, 3 years for OBC (Non-Creamy Layer) candidates. It is relaxed by 10 years for PWD-General, 13 years for PWD-OBC and 15 years for PWD-SC/ST candidates.
- 07 The OBC candidates who belong to "Creamy Layer" are not entitled for concession admissible to OBC category and such candidates have to indicate their category as General. The OBC (Non-Creamy Layer) candidates are required to submit requisite certificate in prescribed format of Government of India, from a competent authority issued in the current year. Further, OBC (NCL) candidates will have to give a self-understanding indicating that they belong to OBC (Non creamy Layer) category also at the time of interview if called for.
- 08 Upper age is relaxed by 5 years for the candidates who had ordinarily been domiciled in the state of Jammu & Kashmir from 01.01.80 to 31.12.89.

#### **SERVICE AGREEMENT BOND:**

The selected candidates who belong to General and OBC categories will be required to execute a service agreement bond of Rs. 2,50,000/- (Rs. 1,25,000/- for candidates belonging to SC, ST categories and PWDs) to serve the company for at least 3 years after successful completion of the training.

#### **HEALTH:**

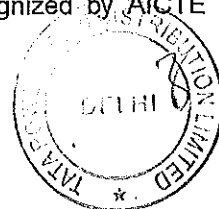
The candidate should have sound health. Before joining, candidates will have to undergo medical examination by the NTPC Medical Board and the decision of the board will be final and binding. No relaxation in health standards is allowed. Detailed medical norms are available on the website [www.ntpcareers.net](http://www.ntpcareers.net).

#### **HOW TO APPLY:**

- 01 GATE-2012 is scheduled on 12<sup>th</sup> February 2012. For detailed information on GATE-2012, interested candidates may log on to [www.iitd.ac.in/gate](http://www.iitd.ac.in/gate) or websites of other IITs and Indian Institute of Science (IISc), Bangalore.
- 02 Candidates need to apply Online for GATE as per the information provided on the websites. They should wait for the admit card to get the GATE registration number
- 03 The candidates will receive their GATE-2012 **Registration Number** printed on their admit card. On receipt of GATE registration number, the candidates need to apply to on-line for NTPC ET-2012 on the website [www.ntpcareers.net](http://www.ntpcareers.net) from 6<sup>th</sup> January-2012 till 26<sup>th</sup> January-2012.
- 04 While applying Online, candidate should keep the scanned copy of their passport size colour photograph, their signature and SC, ST and Disability certificate (if applicable) in JPEG format of not more than 500 KB size each.
- 05 Read the instructions carefully and fill-in the on-line application form giving accurate information including the GATE-2012 registration number. After successful registration, system will generate a **Unique Application Number**. Candidates are required to keep the printout of the **Application slip** which will be generated by the system after successful registration.
- 06 Please ensure that the GATE registration number, which is mentioned on your GATE Admit card, is filled up correctly. Name should also be filled up as appearing in GATE Admit card. No request with respect to the change in any data entered by the candidate will be entertained once the application is submitted successfully.

#### **GENERAL INFORMATION AND INSTRUCTIONS:**

- 01 Only Indian Nationals are eligible to apply.
- 02 The candidate should ensure that he / she fulfills the eligibility criteria and other norms mentioned in this advertisement as well as on the web site [www.ntpcareers.net](http://www.ntpcareers.net)
- 03 All qualifications should be from an Indian University / Institute recognized by AICTE / appropriate statutory authority.
- 04 No manual / paper application will be entertained.



- 05 Candidature of a registered candidate is liable to be rejected at any stage of recruitment process or after recruitment or joining if any information provided by the candidate is false or is not found to be in conformity with eligibility criteria mentioned in the advertisement.
- 06 For queries candidates may visit the Frequently Asked Questions (FAQ) section on the website.
- 07 The E-mail ID entered in the online application form must remain valid for at least next one year. No change in the E-mail ID will be allowed, once entered. All future correspondence would be sent via E-mail only.
- 08 Candidates, if shortlisted for Group Discussion and Personal Interview, are required to bring their original GATE score card as received from the IIT, at the time of Interview.
- 09 Candidates employed with Government Departments / PSUs / Autonomous Bodies have to produce NOC at the time of Interview. Please note if called for interview all such candidates need to produce NOC without which they will not be allowed to appear for the same.
- 10 In case any ambiguity / dispute arises on account of interpretation in versions other than English, English version will prevail.
- 11 NTPC reserves the right to cancel / restrict / enlarge/ modify / alter the recruitment process, if need so arises, without issuing any further notice or assigning any reason whatsoever.
- 12 Legal jurisdiction will be NCT of Delhi in case of any cause / dispute.

**IMPORTANT DATES:**

a.	Commencement of Online application for GATE-2012:	12.09.2011 (Monday)
b.	Last date of online application for GATE-2012:	17.10.2011 (Monday)
c.	Commencement of online Registration of application by candidates	06.01.2012 (Friday) 1300 Hours
d.	Last date for online registration of application by candidates	26.01.2012 (Thursday) Midnight
e.	GATE-2012	12.02.2012 (Sunday)



**NTPC Limited**  
(A Government of India Enterprise)

NTPC Bhawan, Scope Complex, Core-7, Institutional Area, Lodhi Road, New Delhi-110003  
Visit us at [www.ntpccareers.net](http://www.ntpccareers.net)





**NTPC Limited**  
(A Government of India Enterprise)  
Northern Region Head Quarters, NTPC Limited  
TC/33/V-1, Vibhuti Khand, Gomti Nagar, Lucknow 226010  
Uttar Pradesh

## Inviting Diploma Engineers

NTPC Limited, India's largest power company with an installed capacity of 34,854 MW is presently operating 15 coal based, 7 gas based power stations and 6 joint ventures. NTPC contributed nearly one third of the country's entire power generation during the year 2010-2011 and plans to become a 128 GW power company by 2032.

NTPC has been ranked No. 6 in the Outlook Business-Aon-Hewitt Best Employers Study in 2011.

Applications are invited from energetic young Diploma Engineers with brilliant academic record to join this organization for its projects located in the state of Uttar Pradesh of Northern Region of NTPC as

<b>DIPLOMA TRAINEES</b>			
*Mechanical ( 21 )	*Electrical ( 13 )	*C&I ( 8 )	*Civil ( 6 )

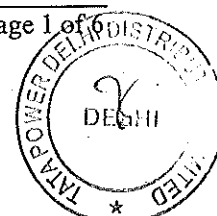
### Training, emoluments & placement:

Selected candidates will undergo training for a period of 1(one) year at various NTPC sites and will be paid a consolidated stipend of Rs. 15,500/- per month. On successful completion of training, these candidates will be absorbed in the pay scale of Rs. 15500-3%-34500/-. The final place of posting will be allocated after successful completion of the training.

### AGE LIMIT:

Upper Age limit is 27 years as on 10.10.2011.

For Land Oustees upper age limit is 35 years as on 10.10.2011.



**QUALIFICATION:**

Discipline	Qualification
Electrical	Full time regular Diploma in Electrical / Electrical & Electronics Engineering with minimum 70% marks.
Mechanical	Full time regular Diploma in Mechanical Engineering with minimum 70% marks.
Civil	Full time regular Diploma in Civil Engineering with minimum 70% marks.
C&I	Full time regular Diploma in Instrumentation/Electronics Engineering with minimum 70% marks.

Relaxation for SC/ST/PWD (where vacancies are identified): Pass marks

Relaxation for Land Oustees: 50% marks.

**Note: Only those candidates who possess the required qualification on or before the last date of application are eligible to apply.**

**SELECTION PROCESS:**

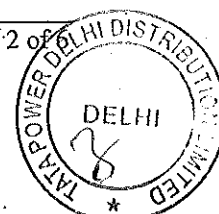
Eligible candidates will have to undergo two hours objective type written examination / test. Based on the merit and requirement, the list of successful candidates for appearing in interview will be made available at [www.ntpcareers.net](http://www.ntpcareers.net) and communication will be sent to such candidates. All such short listed candidates will have to appear for Personal Interview.

**TEST CENTERS:**

Candidates have to choose a city as Test Center while applying online and no change under any circumstance will be considered subsequently. However, NTPC reserves the right to cancel or add any center depending on the response of the candidates for that area / center.

**ABOUT WRITTEN TEST:**

The All India Test is scheduled to be held on **20.11.2011 (Sunday)**. The test can be taken in Hindi or English. Candidates will have to give their choice for appearing in Hindi or English at the time of applying for the post, which cannot be changed subsequently. The test will be in two parts. Part-I will be Knowledge Test and will consist of 70 multiple-choice questions of the relevant 4 disciplines as advertised. Part-II will be Aptitude Test and will consist of 50 multiple-choice questions on English, Quantitative aptitude & Reasoning. 1/4th mark will be deducted for each wrong / multiple answered question.



**PROJECTED VACANCIES:**

Category wise & project wise vacancies in each discipline are given below.

Name of Project (State)	Discipline	Vacancies				Type of disability
		Total	UR	OBC-NCL	SC	
Singrauli (UP)	Mechanical	2	2	-	-	OL, HH
Rihand(UP)	Mechanical	8	5	2	1	OL, HH
	Electrical	6	4	1	1	OL, BL*, HH
	C&I	3	2	-	1	OL, HH
Tanda (UP)	Mechanical	6	4	1	1	OL, HH
	Electrical	1	-	-	1	OL, BL*, HH
	C&I	1	1	-	-	OL, HH
	Civil	2	1	1	-	OA, OL, BL*, HH
Unchahar (UP)	Mechanical	3	3	-	-	OL, HH
	Electrical	4	3	1	-	OL, BL*, HH
	C&I	2	2	-	-	OL, HH
	Civil	1	1	-	-	OA, OL, BL*, HH
Bilhaur (UP)	Mechanical	2	2	-	-	OL, HH
	Electrical	2	2	-	-	OL, BL*, HH
	C&I	2	2	-	-	OL, HH
	Civil	3	3	-	-	OA, OL, BL*, HH

\*For those candidates, who had been enrolled for relevant course prior to 08.01.2007.

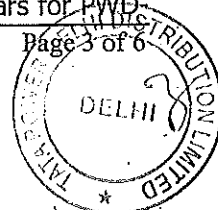
OL- One Leg, OA - One Arm, BL- Both Legs, HH - Hearing handicap

**01 no. vacancy out of all categories and disciplines are reserved for Persons with Disabilities (PWD).**

The total number of projected vacancies indicated above may increase / decrease at the discretion of NTPC management.

**RESERVATIONS AND RELAXATIONS:**

- 01 Reservations and relaxations for SC / ST / OBC (non-creamy layer) / XSM / PWD (degree of disability 40% or above) candidates will be provided as per Government guidelines. Relaxations will be extended in vacancies identified for SC / ST / OBC (non-creamy layer) / PWD candidates.
- 02 Category once filled in the online application form will not be changed and no benefit of other category will be admissible later on. **SC/ST/PWD candidates are required to upload their requisite certificate, issued by the competent authority, while applying online application.**
- 03 No registration fee will be charged from SC/ST/PWD candidates & women candidates.
- 04 The upper age limit is relaxed by 5 years for SC, 3 years for OBC (Non-Creamy Layer) candidates. It is relaxed by 10 years for PWD-General, 13 years for PWD-



- OBC and 15 years for PWD-SC candidates. The above benefits will be extended, if vacancies identified for SC / ST / OBC (non-creamy layer) / PWD candidates.
- 05 The OBC candidates who belong to "Creamy Layer" are not entitled for OBC concession and such candidates have to indicate their category as General. The OBC (Non-Creamy Layer) candidates are required to submit requisite certificate in prescribed format of Government of India, from a competent authority issued in the current year. Further, such candidates will have to give a self-undertaking indicating that they belong to OBC (Non creamy Layer) category at the time of interview, if called for.
- 06 Upper age is relaxed by 5 years for the candidates who had ordinarily been domiciled in the state of Jammu & Kashmir from 01.01.80 to 31.12.89.
- 07 Provision in respect of employment to local residents/ Land Oustees (LOs) shall be regulated in terms of the Govt. directives/ provisions of Rehabilitation Action Plan(RAP)/ local agreements / Agreements entered into with State Governments etc., as applicable.
- Only Land Oustees who have not availed benefits earlier from NTPC for the purpose of employment will be given preference.

#### **SERVICE AGREEMENT BOND:**

The selected candidates will be required to execute a service agreement bond of Rs. 1,00,000/- (General and OBC) and Rs. 50,000/- for SC/ST/Physically Challenged Person to serve the company for a minimum period of 3 years after completion of training.

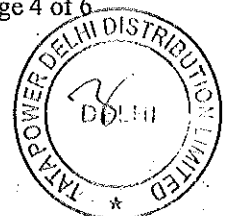
#### **HEALTH:**

The candidate should have sound health. Before joining, candidates will have to undergo medical examination by NTPC Medical Board and the decision of the board will be final and binding. Appointment will be subject to meeting the medical norms prescribed by the Company. No relaxation in medical norms is allowed. Detailed medical norms are available on the website.

#### **HOW TO APPLY:**

- 01 Eligible candidates have to apply through online registration system of NTPC only. To apply visit: [www.ntpccareers.net](http://www.ntpccareers.net) with your valid e-mail ID. The site is functional from **10.00 hours of 20.09.2011 to midnight of 10.10.2011.**
- 02 Candidate belonging to General/OBC category is required to pay a non-refundable registration fee of Rs. 300/-. The SC/ ST/ PWD candidates and women candidates need not pay the registration fee.
- 03 State Bank of India has been authorized to collect the registration fee, in a specially opened account number **(A/C NO. 30987919993)** at CAG branch (Branch Code: 09996), New Delhi, on behalf of NTPC. Candidate has to approach the nearby SBI branch with a printout of the "challan"/ "pay-in-slip" which is available on the application registration portal of NTPC. The challan/ pay-in-slip printed from the portal should only be used for depositing the fee for proper crediting of amount in the allocated account. On receipt of the money,

Page 4 of 6



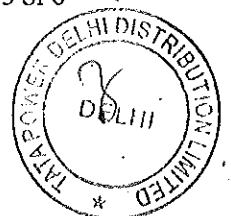


the bank will issue a unique Journal Number and a Branch Code of the bank collecting the money. This journal number and the branch code are to be filled up by the candidate during online registration. Bank commission charges will be borne by the candidate. In case the candidate deposits the fee in a wrong account, NTPC will not be responsible. There will not be any other mode of money collection. Registration fee deposited after 10.10.2011 will not be valid.

- 04 Fees once paid will not be refunded under any circumstances. Candidates are therefore requested to verify their eligibility before paying the application fee.
- 05 All successfully enrolled candidates will be allowed to download the admit card from the site. **Please note that the admit card will not be sent by post.**

#### GENERAL INFORMATION AND INSTRUCTIONS:

- 01 Only Indian Nationals are eligible to apply.
- 02 Before applying, the candidate should ensure that he / she fulfills the eligibility criteria and other norms mentioned in this advertisement on the web site [www.ntpcareers.net](http://www.ntpcareers.net).
- 03 All qualifications should be from Indian Institutes recognized by BTE/AICTE / appropriate statutory authority.
- 04 No manual / paper application will be entertained.
- 05 TA/DA will **not be paid** to any candidate appearing for the written test.
- 06 While applying for the post, the applicant should ensure that he / she fulfills the eligibility and other norms mentioned above, as on the specified dates and that the particulars furnished are correct in all respects. In case it is detected at any stage of recruitment that a candidate does not fulfill the eligibility norms and / or that he / she has furnished any incorrect / false information or has suppressed any material fact(s), his/her candidature will stand automatically cancelled. If any of the above shortcoming(s) is / are detected even after appointment, his / her services are liable to be terminated without any notice.
- 07 For queries, candidates may visit the site and consult the Frequently Asked Questions (FAQ) section.
- 08 The admit card indicating roll number, name of the allocated test center and guidelines for the test will be made available on the same site to the candidates found apparently eligible based on the online data. The candidate has to download his Admit card, Test Guidelines etc for appearing in the test from the website. **Admit cards will not be sent by post.**
- 09 Candidates are advised to keep the e-mail ID which is to be entered compulsorily in the online application form active for at least one year. No change in the e-mail ID will be allowed once entered. All future correspondence would be sent via E-mail only.
- 10 Candidates employed with Government Departments / PSUs / Autonomous Bodies have to produce **No Objection Certificate (NOC)** at the time of



Interview. Please note that without NOC, such candidates will not be allowed to appear in the interview.

- 11 In case of any ambiguity / dispute arises on account of interpretation in versions other than English advertised in Newspaper/ Employment News, English version given in the web-site [www.ntpcareers.net](http://www.ntpcareers.net) will prevail.
- 12 NTPC reserves the right to cancel / restrict / enlarge/ modify / alter the recruitment process, if need so arises, without issuing any further notice or assigning any reason thereafter.
- 13 Any proceedings in respect of any matter of claim or dispute arising out of this advertisement and / or an application in response thereto can be instituted only in the district of Lucknow of Uttar Pradesh and courts / tribunals / forums in the district of Lucknow of Uttar Pradesh only shall have sole and exclusive jurisdiction to try any such cause / dispute.

**IMPORTANT DATES:-**

a.	Commencement of online Registration of application by candidates	20.09.2011 (Tuesday) 10.00 Hours
b.	Last date for online registration of application by candidates	10.10.2011(Monday) Midnight
c.	Downloading of Admit card with Roll Number, test center name and Guidelines.	05.11.2011 to 20.11.2011.
d.	All India Test	<b>20.11.2011 (Sunday)</b>



**NTPC Limited**

(A Government of India Enterprise)

**NTPC Limited**

(A Government of India Enterprise)

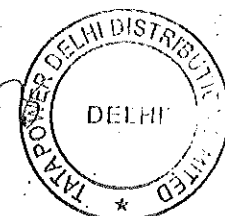
**Northern Region Head Quarters, NTPC Limited**

**TC/33/V-1, Vibhuti Khand, Gomti Nagar, Lucknow 226010**

**Uttar Pradesh**

Visit us at [www.ntpc.co.in](http://www.ntpc.co.in) , [www.ntpcareers.net](http://www.ntpcareers.net)

**Advt.No: NR/Lucknow:01/2011**



## Yearly Wholesale Price Index

Base Year 2004-05 = 100



Name of Commodity : ALL COMMODITIES

Type : Group Item

Weight : 100

Calendar Year	2010	2009	2008	2007	2006	2005
Index	140.08	127.86	124.92	114.94	109.59	103.37

Financial Year	2010-2011	2009-2010	2008-2009	2007-2008	2006-2007	2005-2006
Index	143.32	130.81	126.02	116.63	111.35	104.47

1. Figure 9999.9 may be treated as index for particular item not-available

## Senior Economic Adviser,

Room No. 126-E, Ministry of Commerce and Industry,  
Udyog Bhawan, Rafi Marg, New Delhi - 110 011, INDIA  
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11



Labour Bureau, Government of India

STATISTICS



INDEX Numbers

I. All-India Average Consumer Price Index Numbers for Industrial Workers  
(Base 2001=100) NEW

Item	January 2011	February 2011	March 2011	April 2011	May 2011	June 2011	July 2011	August 2011	September 2011	October 2011	November 2011	December 2011	Average
General Index	188												

(Linking Factor between 1982 and 2001 Series for the All-India is 4.63)

II. Monthly All India Consumer Price Index (General) for Industrial Workers

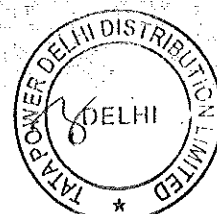
ALL INDIA CONSUMER PRICE INDEX FOR INDUSTRIAL WORKERS (BASE:1960=100)													
YEAR	MONTH												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
1968								178	179	180	176	171	
1969	170	169	170	171	173	178	179	179	179	178	177	177	
1970	177	177	179	181	183	185	186	187	188	189	189	186	
1971	184	184	184	184	184	187	190	194	196	196	197	195	
1972	194	193	194	195	196	201	205	207	208	209	210	210	
1973	210	213	216	221	228	233	243	247	248	254	259	260	
1974	264	267	275	283	294	301	311	321	334	335	331	326	
1975	326	325	321	323	327	328	324	321	319	316	315	306	
1976	298	290	286	289	290	291	297	298	302	304	306	306	
1977	307	310	312	313	318	320	325	327	331	330	330	330	
1978	325	320	321	322	323	327	330	331	336	340	340	335	
1979	332	329	332	337	339	345	353	360	363	365	368	374	
1980	371	369	373	375	382	386	394	397	402	406	411	408	
1981	411	418	420	427	433	439	447	454	456	460	462	460	
1982	459	458	457	459	462	470	478	488	489	491	496	497	
1983	495	500	502	508	521	533	541	549	554	558	561	559	
1984	563	561	558	559	562	574	585	586	589	592	595	588	
1985	588	585	586	594	600	606	615	618	619	625	630	630	
1986	629	633	638	643	651	658	668	672	676	685	692	688	
1987	688	686	686	691	703	715	724	736	745	750	755	752	
1988	753	749	753	763	771	782	795	800	806				



TOP

BASE 1982=100

Year	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Average
1988										167	168	166	
1989	165	165	166	167	169	170	172	174	176	176	176	175	171
1990	174	175	177	180	182	185	189	190	191	195	198	199	186
1991	202	202	201	202	204	209	214	217	221	223	225	225	212
1992	228	229	229	231	234	236	242	242	243	244	244	243	237
1993	241	241	243	245	246	250	253	256	259	262	265	264	252
1994	263	265	267	269	272	277	281	284	288	289	291	289	278
1995	289	291	293	295	300	306	313	315	317	319	321	317	306
1996	315	316	319	324	328	333	339	343	344	346	349	350	334
1997	350	350	351	354	352	355	358	359	361	365	366	372	358
1998	384	382	380	383	389	399	411	413	420	433	438	429	405



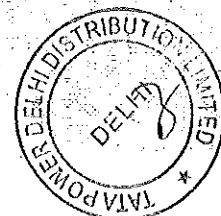
1999	420	415	414	415	419	420	424	426	429	437	438	431	424
2000	431	430	434	438	440	442	445	443	444	449	450	446	441
2001	445	443	445	448	451	457	463	466	465	468	472	469	458
2002	467	466	468	469	472	476	481	484	485	487	489	484	477
2003	483	484	487	493	494	497	501	499	499	503	504	502	496
2004	504	504	504	504	508	512	517	522	523	526	525	521	514
2005	526	525	525	529	527	529	538	540	542	548	553	550	536

Base 2001=100 NEW

Year	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Average
2006	119	119	119	120	121	123	124	124	125	127	127	127	123
2007	127	128	127	128	129	130	132	133	133	134	134	134	131
2008	134	135	137	138	139	140	143	145	146	148	148	147	141.66
2009	148	148	148	150	151	153	160	162	163	165	168	169	157
2010	172	170	170	170	172	174	178	178	179	181	182	185	175.9
2011	188												

### III. POINT TO POINT RATE OF INFLATION IN CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS (Base 1982=100)

RATE OF INFLATION												
Year	January	February	March	April	May	June	July	August	September	October	November	December
1993	5.7	5.7	6.1	6.1	5.1	5.9	4.5	5.8	6.6	7.4	8.6	8.6
1994	9.1	9.5	9.9	9.8	10.6	10.8	11.1	10.9	11.2	10.3	9.8	9.5
1995	9.9	9.8	9.7	9.7	10.3	10.5	11.4	10.9	10.1	10.4	10.3	9.7
1996	9.0	8.6	8.9	9.8	9.3	8.8	8.3	8.9	8.5	8.5	8.7	10.4
1997	11.1	10.8	10.0	9.3	7.3	6.6	5.6	4.7	4.9	5.5	4.9	6.3
1998	9.7	9.1	8.3	8.2	10.5	12.4	14.8	15.0	16.3	18.6	19.7	15.3
1999	9.38	8.64	8.95	8.36	7.71	5.26	3.16	3.15	2.14	0.92	0.0	0.47
2000	2.62	3.61	4.83	5.54	5.01	5.24	4.95	3.99	3.50	2.75	2.74	3.48
2001	3.25	3.02	2.53	2.28	2.50	3.39	4.04	5.19	4.73	4.23	4.89	5.16
2002	4.94	5.19	5.17	4.69	4.66	4.16	3.89	3.86	4.30	4.06	3.60	3.20
2003	3.43	3.86	4.06	5.12	4.66	4.41	4.16	3.10	2.89	3.29	3.07	3.72
2004	4.35	4.13	3.49	2.23	2.83	3.02	3.19	4.61	4.81	4.57	4.17	3.78
2005	4.37	4.17	4.17	4.96	3.74	3.32	4.06	3.45	3.63	4.18	5.33	5.57
2006	4.75	4.95	4.95	5.10	6.26	7.56	6.69	6.30	6.83	7.30	6.33	6.91
Base 2001=100												
2007	6.72	7.56	6.72	6.67	6.61	5.69	6.45	7.26	6.40	5.51	5.51	5.51
2008	5.51	5.47	7.87	7.81	7.75	7.69	8.33	9.02	9.77	10.45	10.45	9.70
2009	10.45	9.63	8.03	8.70	8.63	9.29	11.89	11.72	11.64	11.49	13.51	14.97
2010	16.22	14.86	14.86	13.33	13.91	13.73	11.25	9.88	9.82	9.70	8.33	9.47



Year	CPI (Overall)	WPI (Overall)	$0.55 \times \text{CPI} + 0.45 \times \text{WPI}$	Y-o-Y increase
2000-01				
2001-02	463.33	161.34		
2002-03	481.75	166.85		
2003-04	500.33	175.9		
2004-05	519.50	187.23		
2005-06	542.41	104.47	345.34	
2006-07	578.75	111.35	368.42	6.68%
2007-08	607.57	116.63	386.65	4.95%
2008-09	662.92	126.02	421.32	8.97%
2009-10	744.89	130.81	468.55	11.21%
2010-11	822.64	143.32	516.94	10.33%
2011-12*	897.41	157.12	564.28	9.16%



## Cost to Serve



## **Allocation of Cost between Wheeling and Retail Supply Activity and Computation of Cost to Serve at different Voltages**

The methodology adopted for allocation of costs between Wheeling (i.e. Distribution as per Cost Records) and Retail Supply business (i.e Supply as per Cost Records) for FY 09-10 is in line with the Cost Accounting Records as prescribed by the Cost Accounting Record (Electricity) Rules issued by Government of India.

The allocation statement has been approved by the Board of Directors as part of Cost Records.

The salient features of this methodology are as follows:

### **Allocation between Wheeling and Retail Supply Business**

1. All Network Assets upto consumer premises have been taken for Wheeling Business and beyond that have been considered as part of Retail Supply Business.

The Common assets such as buildings, furniture, etc have been considered 60% for Wheeling and 40% for Retail Supply Business.

2. Employee expenses have been segregated between Wheeling and Retail Supply business based on the activity being performed by the employees. Salaries of employees engaged in Commercial activities have being taken to Retail Supply Business whereas that of employees engaged in operation activities have been considered in Wheeling Business. The employee expenditure of management and corporate support functions have been considered in the ratio of 60% and 40% between Wheeling and Retail Supply Business.
3. Administrative and General Expenses have been segregated between Wheeling and Retail Supply business based on activity to which they pertain. Common expenses have been considered in the ratio of 60% and 40% between Wheeling and Retail Supply Business.
4. Repair & Maintenance (R&M) Expenses have been identified to the type of activity i.e. wheeling and retail supply business and accordingly taken part of respective business. Common R&M expenses being apportioned between Wheeling and Retail supply in the ration of 60% and 40%.
5. Supply Margin has been taken in Retail Supply business.
6. Working Capital has been allocated into wheeling and retail supply on the basis of expenses pertaining each activity. Power Purchase cost and Revenue is considered in Retail supply business whereas revenue upto the requirement of wheeling ARR is considered in Wheeling activity.





7. Return on Capital Employed has been allocated to Wheeling and Retail Supply business on the basis of RRB considered for both the business of respectively.
8. Expenses on account of DVB arrears have not been allocated into wheeling and retail business as these pertain to earlier year.

### **Explanation to Cost Allocation Statement**

The complete head wise details are given below:

#### **Employee Expenses:**

#### **Allocation of Expenses into Wheeling and Retail Supply Business**

The actual expenditure on account of salary is identified with different Functions. Expenses pertaining to particular activity are retained in the respective activity and common costs are allocated into Wheeling and Retail supply business in the ratio of 60:40. Summary is given below:

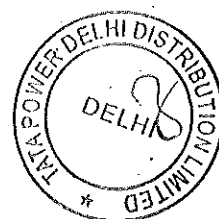
#### **Function wise Employee Expenses**

Particular	%
Administration	38.02
System	7.63
Direct districts	36.22
Street light	0.80
Billing & metering	14.04
Cenpeid	0.01
Pension	3.28
<b>Net Employee Cost</b>	<b>100.00</b>

#### **Base of Allocation of Employee Expenses in Wheeling and Retail Supply Business**

Functions	Wheeling	Retail Supply
Administration	60%	40%
System	100%	0%
Direct Districts	100%	0%
Street Light	0%	100%
Billing & Metering	0%	100%

The expenses incurred towards pension liability are apportioned in the proportion of net employee cost calculated above for the respective businesses.



**Allocation of Employee Expenses into Wheeling and Retail Supply Business for FY 10-11**

Particular	Rs Cr
<b>Employee Total</b>	
Employee – Wheeling	149.14
Employee - Retail	67.25
<b>Total</b>	<b>216.39</b>

**Repair and Maintenance Expenses:**

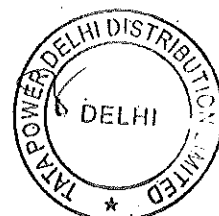
**Allocation of Expenses into Wheeling and Retail Supply Business**

**Breakup of the R&M expenses under different heads**

	FY 10-11
Particular	Percentage (%)
Stores & Spares	18.4%
Street Light	3.0%
Building	3.3%
Computer/Off Equip/Other	4.3%
Street Light	1.5%
Automatic Meter Reading	2.9%
Meter Reading Exp	7.4%
Call Centre Charges	2.5%
Others	56.7%
<b>Total</b>	<b>100.0%</b>

Based on the above allocation has been carried out as follows:

1. First of all normative amount of R&M cost allowed for FY 10-11 (Rs 89.80 Cr) are allocated in different heads in the proportion of actual expenses incurred.
2. Specific expenses pertaining to Wheeling and Retail Supply business are allocated to respective business.
3. Common Expenses have been allocated in the proportion of 60% & 40% between Wheeling and Retail Supply business.



**Base of Allocation of R&M expenses into Wheeling & Retail Supply Business**

Particular	Wheeling	Retail
Stores & Spares	100%	0%
Street Light	0%	100%
Building	60%	40%
Computer/Off Equip/Other	60%	40%
Street Light	0%	100%
Automatic Meter Reading	0%	100%
Meter Reading Exp	0%	100%
Call Centre Charges	0%	100%
Others	60%	40%

Summarized table for allocation of R&M expenses is as follows:

**Allocation of R&M expenses to Wheeling & Retail Supply Business for FY 10-11**

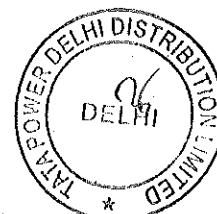
Particular	Rs Cr	Remark
<b>R&amp;M Total</b>	<b>89.80</b>	Refer Table 53 of Order dated 26.08.11
R&M – Wheeling	51.21	
R&M – Retail	38.59	

**Administrative Expenses**

Breakup of the A&G expenses under different heads is given below:

**Actual A&G expense incurred under various heads**

Sr. No	Particular	FY 10-11 %
1	Cash Pick Up	1%
2	Bill Distribution /Collection	8%
3	Legal	10%
4	License fee	3%
5	Brokerage Commission	3%
6	Freight	2%
7	Credit Card	1%
8	Disconnection Exp	4%
9	Computer Expenses	10%
10	Advertisement Expenses	5%
11	Other Cost	53%
12	<b>Net A&amp;G Expenses</b>	<b>100%</b>



Expenses at Sr No 1-10 pertains specifically to Retail activity so these are considered in Retail activity whereas the Other Cost which is common for both Retail and Retail Supply businesses is apportioned in the ratio of 60:40 between the two businesses.

#### **Allocation of A&G Expenses to Wheeling & Retail Supply Business for FY 10-11**

Particular	FY 10-11	Remark
	Rs Cr	
<b>A&amp;G Total</b>	<b>35.63</b>	Refer Table 53 of Order dated 26.08.11
A&G – Wheeling	11.24	
A&G – Retail	24.39	

#### **New Initiatives**

Expenses on new Initiatives/Other cost/power banking incurred in FY 10-11 pertain to Retail Business, so the same are considered in Retail Business in allocation statement.

#### **New Initiatives Cost apportioned into Wheeling & Retail Supply Business for FY 10-11**

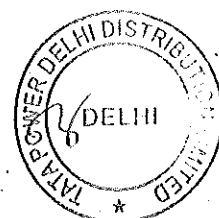
Particular	Rs Cr
<b>A&amp;G Total</b>	<b>5.49</b>
A&G – Wheeling	0
A&G – Retail	5.49

#### **Gross Fixed Assets**

Network assets upto the consumer's premises are considered as wheeling assets and beyond that the assets are considered as Retail assets. Common Assets such as building, furniture etc are considered 60% for Wheeling and 40% for Retail Supply Business. Summary of the allocation Statement is as follows:

#### **Allocation of GFA into Wheeling & Retail Supply Business**

Particular	Wheeling	Retail
Buildings and Civil Work	60%	40%
Energy Meters	0%	100%
Transformers	100%	0%
EHV Switch Gears	100%	0%
11KV Switch Gears	100%	0%
LT Switch Gears	100%	0%
Capacitors	100%	0%
SCADA/ Control & Instrumentation	100%	0%
Lightening Arrestors	100%	0%



Particular	Wheeling	Retail
Other Plant & Machinery	100%	0%
Computers	60%	40%
Batteries & Battery Chargers	100%	0%
Lines and Cables	100%	0%
Street Lightening	0%	100%
Office Equipment	60%	40%
Furniture & Fittings	60%	40%
Vehicle	60%	40%

Gross Fixed Assets used for RRB are allocated into Wheeling and Retail Supply business in the ratio of Actual Gross Fixed Assets at the end of FY 11 as per Audited Accounts.

#### Gross Fixed Assets allocated into Wheeling & Retail Supply Business for FY 10-11

Particular	Rs Cr	Remark
	<b>FY 10-11</b>	<b>FY 10-11</b>
<b>GFA Total</b>	<b>3,388.23</b>	Refer Table 35 of Order dated 26.08.11
GFA – wheeling	2,807.17	
GFA – Retail	581.06	

#### Depreciation

Depreciation is allocated between wheeling and Retail Supply business in proportion of depreciation calculated on GFA's of respective businesses.

#### Depreciation allocated into Wheeling & Retail Supply Business

Particular	Rs Cr	Remark
	<b>FY 10-11</b>	
<b>Depreciation Total</b>	<b>110.28</b>	Refer Table 35 of Order dated 26.08.11
Depreciation – wheeling	82.48	
Depreciation – Retail	27.80	

#### Working Capital

Normative Working Capital has been considered as allowed by the Hon'ble Commission for FY10-11.



### Working Capital allocated into Wheeling & Retail Supply Business for FY 10-11

Particular	Rs Cr	Remarks
	FY 10-11	
<b>W C Total</b>	<b>316.93</b>	Refer Table 43 of Order dated 26.08.11
W C – wheeling	82.61	
W C – Retail	234.32	

### Regulatory Rate Base

Based on the revised estimates of GFA/Depreciation, the RRB for wheeling and retail Supply Business is calculated as below:

### RRB allocated into Wheeling & Retail Supply Business (Rs. Cr.)

S. No	Particulars	FY 10-11		
		TOTAL	Wheeling	Retail
		Table 39 of Order	Rs Cr	Rs Cr
<b>1</b>	<b>RRB - Base Year</b>			
A	Opening Balance of OCFA	3188.23	2641.46	546.77
B	Opening Balance of Working Capital	<b>282.59</b>	<b>78.69</b>	<b>203.91</b>
C	Opening Balance of Accumulated Depreciation	1040.66	862.19	178.47
D	Opening balance of Accumulated Consumer Contribution ( in proportion of OCFA to total OCFA + CWIP + Stores)	359.78	359.78	-
E	CWIP			
<b>2</b>	<b>RRB - for each year</b>	<b>2070.38</b>	<b>1498.18</b>	<b>572.21</b>
A	Investments in capital expenditure during the year	200.00	165.70	34.30
B	Depreciation for the year (Including AAD)	110.28	82.48	27.80
C	Consumer Contribution, Grants, etc for the year	20.87	20.87	
D	Change in Working Capital	<b>34.34</b>	<b>3.93</b>	<b>30.41</b>
<b>3</b>	<b>RRB - for each year</b>	<b>2139.15</b>	<b>1533.28</b>	<b>605.87</b>



### Apportionment of expenses at different voltage level

Voltage level wise sales for FY 10-11 is given below:

#### Voltage Level wise Sales for FY 10-11

Particular	MUs
Sales Above 66KV level	114.77
Sales at 33/ 66KV level	94.03
Sales at 11KV level	976.26
Sales at LT level	5,215.11
<b>Total</b>	<b>6,400.17</b>

Sales (MUs) are grossed up at specific voltage levels by respective distribution losses estimated at each level in order to ascertain energy requirement at respective voltage levels.

#### Voltage Wise Distribution Losses for FY 10-11

Particular	%
Loss at 220KV level	0%
Loss at 33/ 66KV level	1.50%
Loss at 11KV level	4.95%
Loss at LT level	14.20%
<b>Over all</b>	<b>12.52%</b>

#### Energy Input at each voltage level for FY 10-11

Particular	MUs
Inputs for 66KV level	114.77
Inputs for 33/ 66KV level	95.46
Inputs for 11KV level	1,027.10
Inputs for LT level	6,078.57
<b>Total</b>	<b>7,315.90</b>

#### Voltage wise allocation between Wheeling and Retail Supply business

##### Wheeling Activity

Wheeling Costs has been allocated to different voltage levels in the ratio of assets at each voltage level.



**Wheeling Cost allocation Assets wise for FY 10-11**

Particular	Rs Cr
Asset at 220 KV level	-
Asset at 33/ 66KV level	96.07
Asset at 11KV level	222.06
Asset at LT level	108.86
<b>Total</b>	<b>426.99</b>

Wheeling Costs so allocated are further apportioned to different voltage levels in proportion to the energy input required for sale at that level.

**Wheeling Cost allocation at different Voltage Level for FY 10-11**

Particular	Rs Cr
Above 66KV level	-
At 33/ 66KV level	1.27
At 11KV level	45.80
At LT level	379.92
<b>Total</b>	<b>426.99</b>

Based on the energy sales at each level, wheeling charges per unit have been arrived.

**Wheeling charges at different voltage levels for FY 10-11**

Particular	(Paisa per unit)
Above 66KV level	-
At 33/ 66KV level	13.54
At 11KV level	46.91
At LT level	72.85
<b>Average</b>	<b>66.72</b>

**Allocation of Supply Margin and Balance Retail Supply ARR**

Employee Exp/Admin exp/Other Income are allocated across all the voltage level in the ratio of input at that level whereas other retail supply expenses are allocated from 66KV or below in the ratio of input at that level. After that cost per unit sold is determine by the cost at that particular voltage level by the unit sold at that level.

**Retail Supply charges for FY 10-11**

Particular	(Paisa per unit)
Above 66KV level	425.50
At 33/ 66KV level	431.98





Particular	(Paisa per unit)
At 11KV level	447.66
At LT level	495.47
Average	<b>486.38</b>

#### Supply Margin charges for FY 10-11

Particular	(Paisa per unit)
Above 66KV level	5.11
At 33/ 66KV level	32.64
At 11KV level	33.82
At LT level	37.47
Average	36.26

A Summary of Cost of Supply as determined above is as follows:

#### Cost of Supply for FY 10-11

Particular	(Paisa per unit)			
	Wheeling	RST	SM	FY 10-11
Above 66KV level	-	425.50	5.11	430.61
At 33/ 66KV level	13.54	431.98	32.64	478.16
At 11KV level	46.91	447.66	33.82	528.39
At LT level	72.85	495.95	37.47	606.27





# **CAPITAL INVESTMENT PLAN FOR 2013-15**

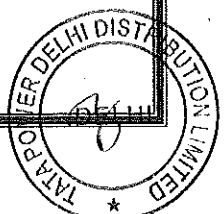
BY

Power System Control & Automation

**TATA POWER DELHI DISTRIBUTION LIMITED**

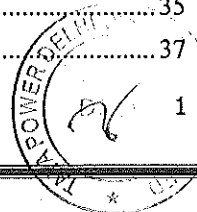
CENNET SCADA building, Netaji Subhash Place,  
Pitampura, New Delhi

**December, 2011**

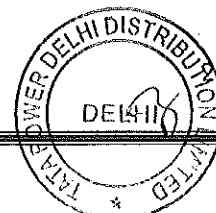


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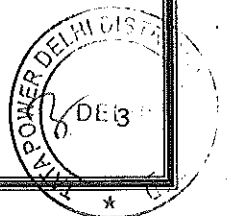


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## CHAPTER - 1

# BACKGROUND



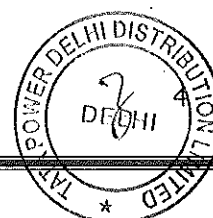
## 1.1 TPDDL PROFILE

TATA Power Delhi Distribution Limited (TPDDL), a joint venture between Tata Power and the Government of NCR of Delhi had taken over the distribution of electric power in the area of Delhi Vidyut Board (DVB) w.e.f. 1st July 2002 as part of the distribution sector reform process.. With a registered consumer base of around 11.84 lakhs and a peak load of around 1313 MW, the company's operations span across an area of 510 sq kms. The daily average energy requirement of TPDDL is about 20 MUs, with annual energy requirement of around 7316 MUs.

For administrative purpose TPDDL is split into 50 zones comprising of 20,000 – 25,000 consumers each. TPDDL also maintains the street light in its area on behalf of Road owning/Revenue agencies. The various consumer touch points include Consumer Care Centers (12 Nos.), Zonal Centers (50 Nos.), Business District offices (12 Nos.) and Consumer Call Centers. Table 1.1 below gives the list of 12 Business District Offices.

Table 1.1

S. No	Business District Offices
1	Bawana
2	Narela
3	Rohini
4	Mangolpuri
5	Shalimar Bagh
6	Badli
7	Shakti Nagar
8	Civil Lines
9	Model Town
10	Keshav puram
11	Moti Nagar
12	Pitam pura



## 1.2 JOURNEY TOWARD EXCELLENCE

TPDDL has consistently over-achieved its targets and over a short span of 9 years brought down the AT&C loss level from 53% to below 14% along-with major improvements in reliability of network and consumer services. TPDDL is the only Indian utility to be conferred the Edison Electric Institute (USA) awards for GIS implementation (2008) and for Policy Advocacy (2009), BSC Hall of Fame (2008) instituted by Prof. Norton & Kaplan, Asian Power Utility of the year Award consecutively for last four years and the Ministry of Power Govt. of India Award for meritorious performance for three out of last four years.

TPDDL is a Utility which supplies *electricity* through its distribution network at regulated tariffs to all consumers in its licensed area. TPDDL, in order to partly meet its consumers demand has established a 108MW combined cycle gas based power plant in its licensed area (Rithala).

TPDDL has been in the forefront in the adoption of latest technology in the utility sector. Together with its culture of Consumer Service Excellence, Continuous Learning, Performance Orientation, Innovation and empowerment, it has been able to set benchmarks of accelerated reduction of AT&C losses (~75%) and enhance consumer satisfaction. TPDDL leadership evolved an inspiring Vision and Mission in 2002-03, which has been revisited periodically and revised in 2008.

<b>Vision</b>	<ul style="list-style-type: none"><li>• To be the most trusted and admired provider of reliable &amp; competitive power, and to be the company of choice for all stakeholders.</li></ul>
<b>Mission</b>	<ul style="list-style-type: none"><li>• To deliver Quality and Cost Effective electricity.</li><li>• To ensure excellence in consumer care.</li><li>• To create a work environment which encourages safety, team work, learning and innovation.</li><li>• To meet or exceed all stakeholder expectations.</li><li>• To enrich quality of life in the society we operate in.</li></ul>
<b>Values</b>	<ul style="list-style-type: none"><li>• Integrity, Understanding, Excellence, Unity, Responsibility, Agility</li></ul>

Growth plans of TPDDL includes increasing the activity base within licensed area and complimenting Tata Power's growth plan into distribution business Internationally/Nationally





In order to capitalize on its core competency, increase employee engagement & enrichment it has made foray into IT& SCADA consultancy although it has low revenue potential compared to the distribution business. TPDDL has adopted Climate Change Policy in line with Tata Group's Climate Change Policy.

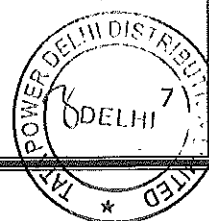
TPDDL, in the last five years, has been the front-runner in implementing power distribution reforms and has made persistent efforts to become a consumer centric, value driven organization. Systems such as Supervisory Control And Data Acquisition (SCADA), Geographic Information System (GIS), Operator Training Stimulator (OTS) and OMS (Outage Management System) are the cornerstone of the company's distribution automation project. To fight the menace of power theft, modern techniques like Temper proof meters, High Voltage Distribution (HVDS) System and LT Aerial Bunch Conductor have been adopted. Since privatization, the AT&C losses in TPDDL areas have shown a record decline. TPDDL has reduced the AT&C losses by 44.25% in 5 years (from 23.73% in FY 2006-07 down to below 14% in FY 2010-11). The introduction of breakthrough technologies, structured maintenance schedules and dynamic organization structure have ensured remarkable improvement in the power supply situation manifested by the significant improvement in Reliability Indices such as SAIDI & SAIFI. Further TPDDL has embarked upon an ambitious plan to implement high-tech automated systems for its entire distribution network.

TPDDL has in the last five years introduced several breakthrough concepts in Consumer Service such as Sharing of 100% consumers' billing database on website, Automatic Meter Reading; SMS based fault management system, 24x7 operational stores, Door step offering for new connection, Quarterly Independent Consumer Satisfaction Survey, Gift Electricity Scheme 'Urja', etc.

TPDDL initiated several measures to enhance the quality of the network and took proactive measures in the growth areas which in turn improved the overall system performance. Various system studies were conducted by CEA, KEMA and Cyme and recommendations were received for establishment of new grid substations, augmentation of power transformers, renovation of existing grid & distribution substations, addition of shunt capacitors, etc. These studies and audits have been the basis of capital expenditure made in the last five years.

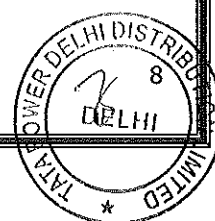


The company has set up the Centre for Power Efficiency in Distribution (CENPEID), the first institute for skill accreditation and certification for the power distribution sector in India. The Institute is slated to be a national resource and shall cater to the skill and management training needs of the sector as a whole.



## CHAPTER - 2

# POWER SCENARIO IN DELHI



## 2.1 ENERGY REQUIREMENT AND PEAK DEMAND

The energy requirement in of Delhi during 2010-11 was 24437 MUs as against 22370 MU during 2007-08, whereas the peak demand during the same period has increased from 4030 MW to 4720 MW during the same period. Table – 2.1 shows the requirement of energy, and peak demand in the year 2003-04 and 2006-07.

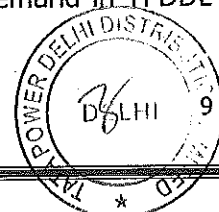
It may be noted that in Delhi region, the peak demand is growing at a higher pace as compared to the energy requirement. Besides other reasons, this phenomenon can be attributed to growing urbanization, changes in life style and efficiency improvement (in terms of reduction in losses) in the distribution system. Specifically in case of Delhi, the reduction in losses has led to suppressed increase in energy requirement, whereas the higher penetration of electronic appliances (due to growing urbanization) have led to higher increase in the peak demand during the past few years. It can be substantiated from the Table – 2.1 which summarizes the energy and peak requirement in Delhi during the period 2007-11

Table – 2.1

Demand Supply situation in Delhi				
Year	Peak Demand Met (MW)	% Change	Energy Requirement Met (MU)	% Change
2007-08	4030		22370	
2008-09	4036	0.15%	22006	-1.63%
2009-10	4408	9.22%	23358	6.14%
2010-11	4720	7.08%	24437	4.62%

## 2.2 POWER SCENARIO FOR TPDDL AREA

Similar trend has been observed in the TPDDL area. The peak demand in TPDDL area is growing consistently over the past few years. For instance, peak demand in TPDDL



area has increased from 1068 MW to 1286 MW during the period FY 07-08 to FY 10-11.

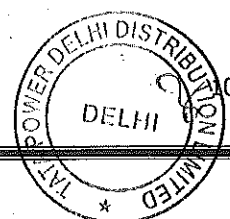
Table - 2.2

Energy Profile								
S. No	Year	Energy Input (MUs)	% Change	Energy consumption (MUs)	% Change	AT&C Losses (%)	Peak Demand (MW)	% Change
1	2007-08	6276		4975		18.31	1068	
2	2008-08	6370	1.50%	5161	4%	15.41	1140	7%
3	2009-10	6910	8.48%	5800	12%	14.47	1212	6%
4	2010-11	7316	5.88%	6400	10%	13.1	1286	6%

The Table - 2.3 shows the billed consumption (in MUs) to different consumer categories in TPDDL system from 2007-08 to 2010-11. As seen in the Table - 3.3, the billed consumption has increased at the rate of 7.05 % in domestic category, 8.95 % in non domestic category, 2.58 % in industry and 8.26 % in other consumer categories.

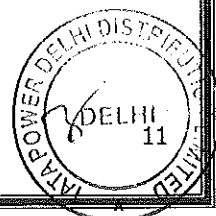
Table - 2.3

Consumer category-wise billed consumption						
Consumer Category	2007-08	2008-09	2009-10	2010-11	2011-12	CAGR
Domestic	2027	2102	2447	2752	2849	7.05%
Non-Domestic	933	1014	1176	1307	1432	8.95%
Industry	1744	1767	1884	1962	1981	2.58%
Other	271	279	293	379	403	8.26%
<b>Total</b>	<b>4975</b>	<b>5161</b>	<b>5800</b>	<b>6400</b>	<b>6665</b>	<b>6.02%</b>



**CHAPTER - 3**

**CAPITAL  
INVESTMENT MADE  
DURING MYT PERIOD  
2007-11**



### 3.1 CAPITAL INVESTMENT DURING MYT PERIOD: FY 2007-08 to FY 2010-11

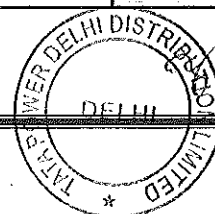
Capital investments were made under the following benefit centers:

1. AT&C loss reduction
2. System Reliability Improvement
3. Growth development plan for meeting the load growth
4. Creation of infrastructure facilities including administration buildings

The expenditures made from FY 2007-08 to FY 2010-11 have been summarized in Table - 3.1:

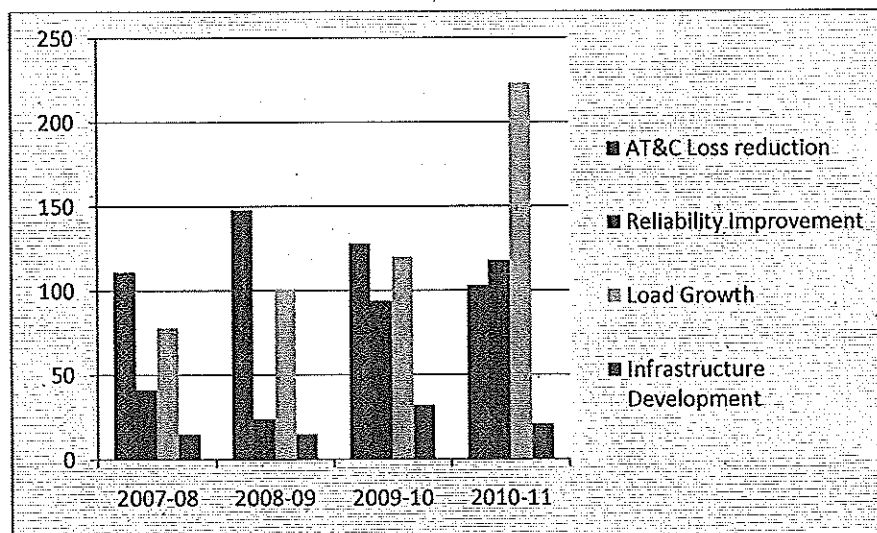
Table – 3.1

CAPEX EXPENDITURE INCURRED FROM FY 2007- 11 (in Rs Cr)						
SN	Job Heads	2007-08	2008-09	2009-10	2010-11	TOTAL
A	AT&C Loss Reduction	111	148	128	103	490
B	Reliability Improvement	41	24	94	118	277
C	Load Growth	78	101	120	223	522
D	Infrastructure Development	15	16	32	21	83
GRAND TOTAL		245	288	374	465	1372



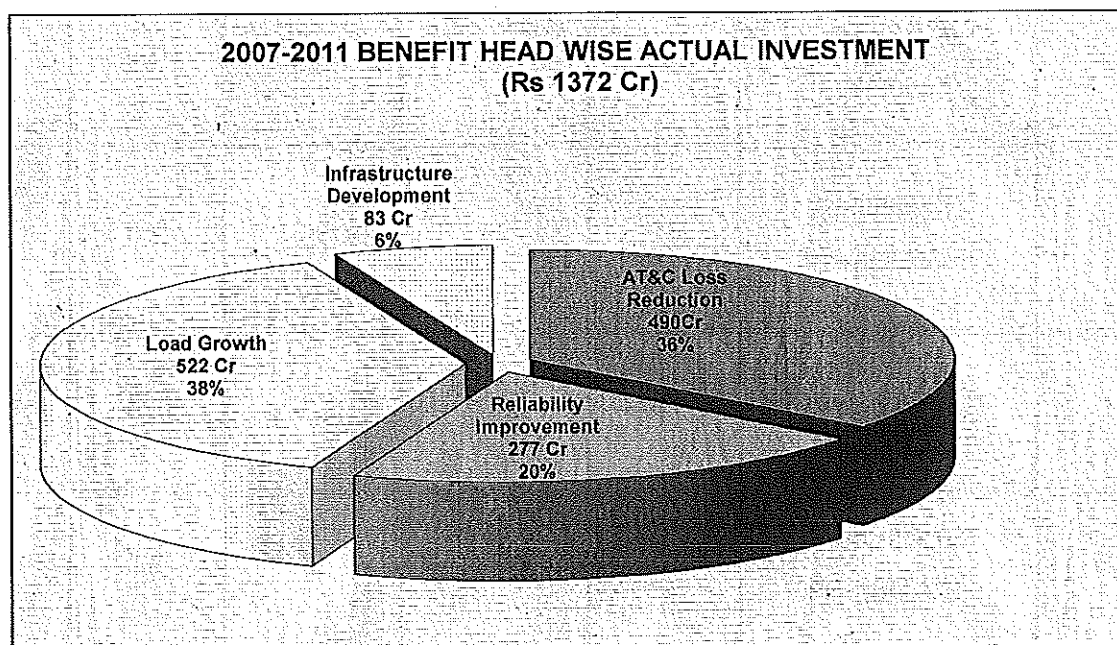
The details of year wise capital expenditure under different benefit heads from FY 2007-08 to 2010-11 is elaborated in chart – 3.1

**Chart 3.1**



The percentage of benefit head wise overall capital expenditure made from FY 2007-08 to FY 10-11 has been shown below:

**Chart 3.2**





## 3.2 DETAILS OF CAPITAL INVESTMENT INCURRED

For each of the above benefit centers, the prime investment heads are delineated below:

### 3.2.1 AT&C LOSS REDUCTION:

Major initiatives taken by TPDDL for reducing AT&C losses are mentioned below:

- Metering systems
- High Voltage Distribution Systems (HVDS)
- Replacement of LT bare conductor with LT AB Cable.

#### (a) METERING SYSTEM

TPDDL replaced the existing electro-mechanical meters with static meters which are tamper proof with almost no accuracy change with passage of time as these do not have moving parts. Further these meters are having features to record power factor, demand etc. The details of electrostatic meters installed from 2007 to 2011 are given in table 3.2 below:

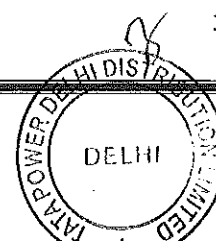
Table – 3.2

Year	Electronic Meters Installed
2007-08	186246
2008-09	300376
2009-10	294966
2010-11	201573
<b>TOTAL</b>	<b>983161</b>

The year-wise capital expenditure incurred towards metering system during the MYT period 2007-11 is given in table 3.3 below:

Table - 3.3

Period	Capital Expenditure (Rs. Cr.)
2007-08	76.0
2008-09	78.0
2009-10	78.0
2010-11	61.0
<b>TOTAL</b>	<b>293.0</b>



### **(b) HIGH VOLTAGE DISTRIBUTION SYSTEM (HVDS)**

Under HVDS, the existing LT network in theft prone areas is replaced by HT network and new small capacity transformers are installed, which are nearer to the load centers and cover reduced no. of consumers. HVDS also enhances reliability by localizing faults and contribute to better quality of supply by eliminating the need for long low-tension lines. The HVDS system reduces systems technical losses, and has thus helped TPDDL to meet the AT&C loss reduction targets.

In the first phase HVDS was planned in theft prone areas and new growth areas. All new electrifications have been installed on HVDS to the extent possible.

However, it is seen that in areas infested with anti-lawful elements, direct tappings are being taken from transformer bushing despite all technical attempts to stop the same including welding metal boxes, applying hardened putty to the terminals etc. No law & order support has been able to provide & facilitate respite and such rampant un-lawful tappings are multiplying now, in some of the select areas.

### **(c) REPLACEMENT OF LT BARE CONDUCTOR WITH LT CABLE**

The replacement of LT bare conductor lines results in reduced direct hookings done on bare LT conductor lines. Although there is no reduction of any technical losses due to installation of LT AB cable lines, the commercial losses get considerably reduced.

Such replacements of LT bare conductor with LT AB Cables have been done in the theft prone areas where direct hookings of bare LT lines were observed.

While this has brought about an overall positive impact, there are, however, areas where such cables have been destroyed and tapings restored.



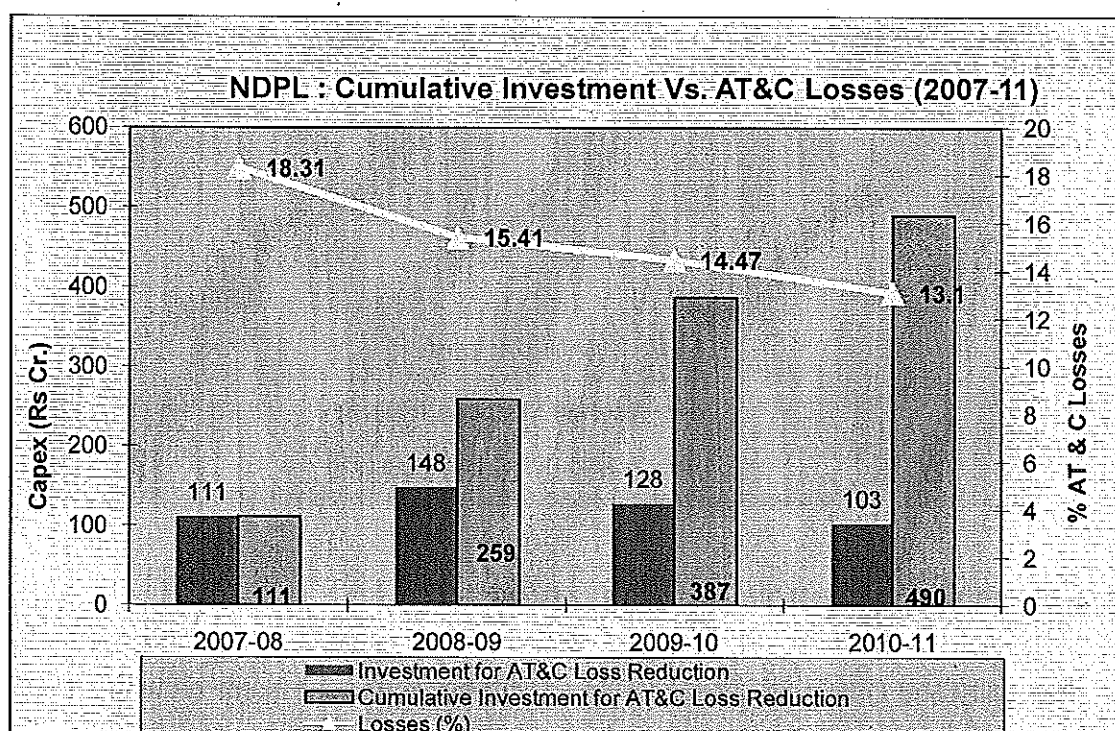
The year-wise capital expenditure incurred for HVDS and LTABC works during the MYT period 2007-11 is given in table 3.4 below:

Table 3.4

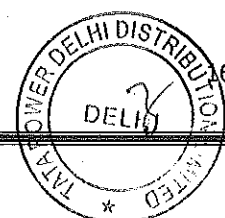
Period	Capital Expenditure (Rs. Cr.)
2007-08	35.0
2008-09	70.0
2009-10	50.0
2010-11	42.0
<b>TOTAL</b>	<b>197.0</b>

The cumulative expenditure made for AT&C loss reduction Vs actual reduction in AT&C losses is shown below:

Chart – 3.3



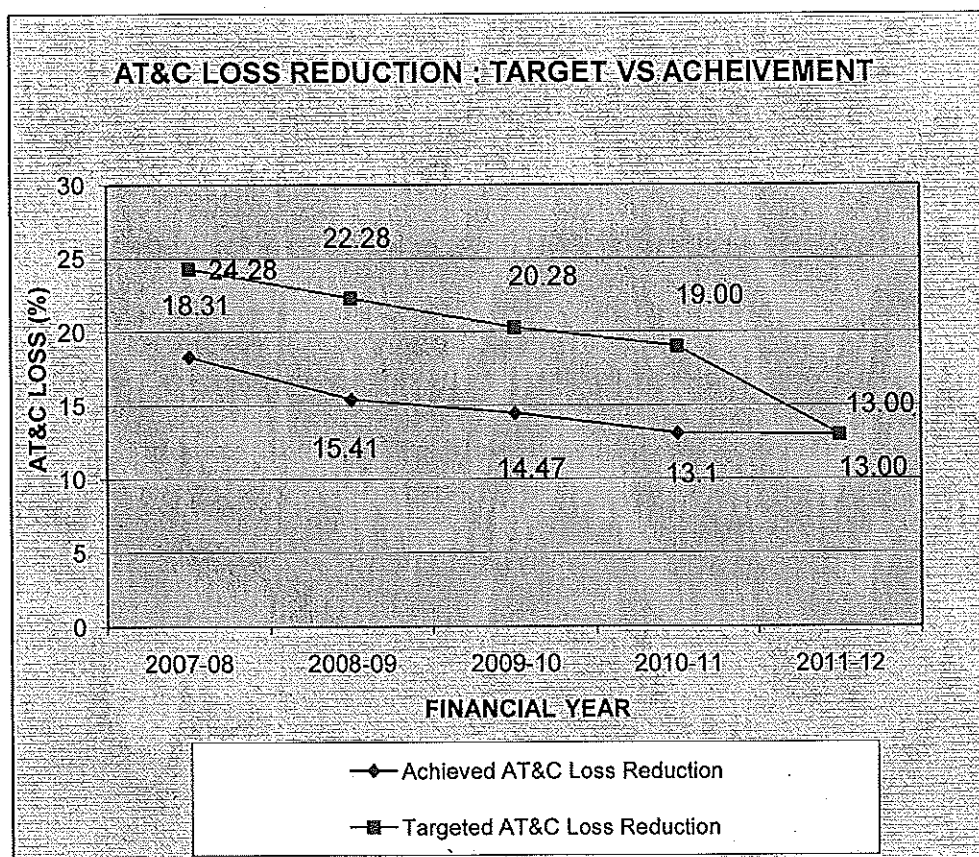
TPDDL was mandated to reduce AT&C losses from over 23.73 % to the targeted value of 17% during the period 2007-11. Through its persistent efforts TPDDL has surpassed all



records and as against a committed target reduction of 6.73% in 4 years, TPDDL has reduced AT&C losses by about 10.6% in these 4 years.

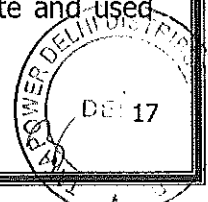
A comparison of the targeted value as against achieved Loss reduction figures is mentioned below:

Chart – 3.4



### 3.2.2 SYSTEM RELIABILITY IMPROVEMENT

Reliability and Quality of supply has been another important factor on which TPDDL has primarily focused in the last four years. Extensive studies have been carried out in consultation with KEMA and using special analysis tools like Cyme, PSAF etc to understand the reliability needs of the system. The concept of N-1 reliability has been implemented at 11 kV, 33kV and 66 kV level. Many types of equipment which existed in highly depleted condition and were assessed to be non-repairable have been replaced by new state-of-art equipments. The old existing equipments were obsolete and used



to break down frequently resulting in long outage durations. The new equipments are SCADA compatible and can facilitate remote operations for future requirements.

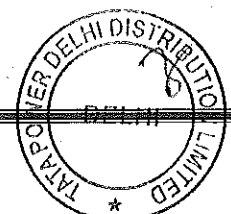
Major new technology initiatives taken by TPDDL for improving reliability are mentioned below:

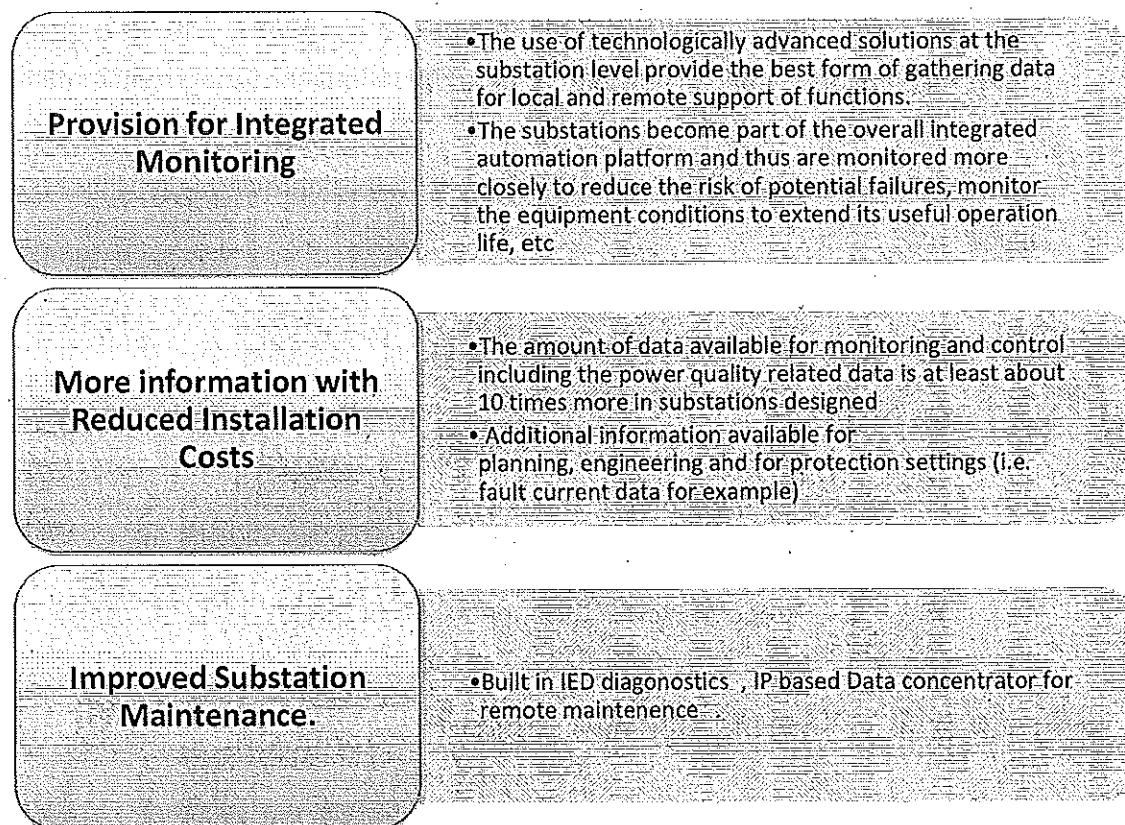
- Grid Substation Automation
- Communication Network
- SCADA Implementation
- Distribution Management system
- Distribution Automation
- Outage Management System (OMS)
- Geographical Information System (GIS)

#### **(a) GRID SUBSTATION AUTOMATION**

The main objective of the project was to make the 66/33/11 KV grid stations compatible for SCADA system. This required replacing old grid station's control and relay panels due to following constraints

1. The control and relay panels were equipped with mechanical switches for control of breakers and electromechanical relays for protection. The control was possible only locally (manually) and relay's information was limited.
2. Remote operation of grids from central location was not possible due to inadequate information and unavailability of relevant network data from grid stations due to absence of smart IEDS.
3. Delay in identification of faulty section and restoration of supply. A LT level fault at times was leading to tripping of grid station incomers due to non coordination between different tripping devices; hence large area was subjected to supply failure.





## (b) COMMUNICATION NETWORK

TPDDL had fundamental communications requirements to support operation services (SCADA) as well as enterprise services like Geographical information system (GIS), internet, Enterprise resource applications (SAP), Commercial and Billing applications etc.

TPDDL chose to deploy own private optical networks making use of the important asset already available e.g. existing fiber network of TTSL & VSNL in TPDDL licensed area and the right of way along TPDDL power transmission lines. The optical fiber technology selected is able to accommodate as a minimum, the defined functional requirements of adequate bandwidth capacity, latency within specified limits designed to meet the most stringent requirement, such as protective relaying, and network availability with required redundancy.



### **(c) SCADA IMPLEMENTATION**

The objective of SCADA project was to acquire network data, monitor and control sub transmission system consisting of 56 Grid stations from a central location. SCADA system is based on redundant system design with main server and hot standby servers in Main Control Centre (MCC) and to meet any disastrous situation, the Backup Control Centre (BCC) has been setup with same functionality at a different location i.e. Inderpuri.

Besides having generic functionalities like alarm, tagging, trends management, the SCADA system have been deployed with additional applications to use system data for effective monitoring of sub transmission network. These applications are

- Load shedding application –
  - To shed load in blocks
  - To shed load in case of under frequency
  - To shed load in case of over loading
- Load forecasting Application - To forecast next day load demand

### **(d) DISTRIBUTION MANAGEMENT SYSTEM (DMS)**

Main objective of DMS project is to establish Centralized monitoring system for entire 11 KV networks of TPDDL for coordination with all zones for faster restoration of Network.

Prior to deployment of DMS , TPDDL distribution network was managed at zonal level all operation were carried out by zonal engineers and network real-time data was not available , this led to following -

- Absence of knowledge for shifting of load to other feeder due to Overloading of feeder.
- Absence of Network reconfiguration/ back feeding of network loads on inter-zonal feeders in case of acute emergencies like complete bus/grid outage.



- Unintentional overloading of sections due to back-feeding only based on prevalent practices. Network Knowledge is person specific and efficiency depends on his retention skills.
- Inadequate utilization of network.

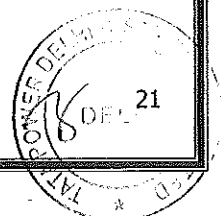
Presently in districts where DMS has been implemented the network decisions are taken by control centre executives with all information to suggest optimal way of handling any network contingency.

### (e) DISTRIBUTION AUTOMATION

Distribution Automation is the field automation part of DMS wherein selected strategically located RMUs are automated to control from SCADA system. Main objective of distribution automation is to identify faulty section, isolate this section and restore the network from remote control centre in minimum possible time. Generally 15-20% of the whole network points are automated to reap full benefit of investment.

The selection of the automation points is critical exercise for any utility. In case of TPDDL, Network Planning and Analysis group using DRAKE software application identifies Automation points in distribution networks.. Distribution Automation involves –

1. Motorisation of RMU isolators and Breaker to make them operational from SCADA system.
2. Automation of RMU by placing Field remote terminal units (FRTU) at each identified substation.
3. In case where only FPI status is to be monitored; point no. 1 does not hold.
4. Communication of each FRTU with DA master or Data concentrator on GPRS, which in turn communicates with SCADA system





#### Major Milestones achieved during 10-11

- Deployed in 3 Distts i.e. Shakti Nagar, Model Town and Civil Lines.
- Deployed in areas where the 11 KV feeders emanate from DTL/BSES grids.
- Training of the various user groups.

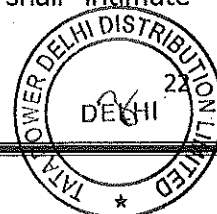
#### (f) OUTAGE MANAGEMENT SYSTEM (OMS)

Outage management system is an automation solution interfaced with various systems in utility so as to ensure prompt restoration of the outages affecting customers, facilitate utility with accurate historical data on outages for improving work processes related to operations and maintenance.

After Implementation of OMS; all No supply calls from Unified Call Centre (UCC) are forwarded to OMS. The calls received at OMS are grouped with pre defined configurable logics to predict the probable faulty network component which has resulted into outage to customers and then a trouble order is created in OMS for the zonal shift associate to attend outage. The call centre is kept updated through system (SAP ISU -OMS interface) w.r.t status and list of affected customers.

While closing the order, the dispatcher updates the details of follow up work required as per the feedback received from crew. The follow up work could be for replacement of service line/ burnt meter or immediate maintenance of any equipment. The follow up order is created in SAP-PM system and it will get added to the bin of the person/department responsible for that follow up work.

The OMS- SCADA/DMS interface is on ICCP to facilitate real time information flow from SCADA/DMS to OMS for list out the customer affected due to interruption at the 11 KV or sub transmission level. This information is made available to call centre almost on real time basis. In such event instead consumer calling TPDDL for lodging the complaint, TPDDL shall intimate customer about the outage and estimated restoration time.



**(g) GEOGRAPHICAL INFORMATION SYSTEM (GIS):**

TPDDL has Established GIS system for complete TPDDL area. All Assets such as transformers, Buildings, Poles, Cables etc have been mapped in the software. More then 10,00,000 consumers are also mapped on the system. The GIS system has been operational for from 2006 onwards.

GIS map were digitized using the satellite Image followed by field survey which now contain network, customers, distribution transformers and other assets, land base etc. GIS map was ready by 2006.

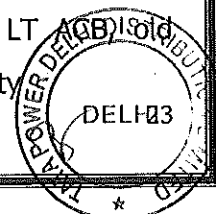
GIS database contains spatial and attribute data of customers, electrical assets and land base covering the license area. GIS system has become the communication platform for various operations of TATA Power Delhi Distribution Ltd (TPDDL). The common information is being shared by all and integrated and optimum decisions are being taken. Additionally, with inbuilt potential of providing various analyses, decisions are efficient and better informed. Customer service as well as commercial functions is being better managed as GIS has been integrated with the Customer Relation Management Tool (CRM) for facilitating various tasks. The system is currently deployed with various user groups including commercial and operations. EGIS geo referenced data and built source data helps in creating distribution system operation model to automate and improve its operations by implementation of Distribution Management and Outage Management System.

**(h) REPLACEMENT OF SICK CABLES**

Old 11kV underground cables with history of frequent and a number of faults have been replaced to ensure reliable and continuous power supply. TPDDL has so far replaced more than 250 km of underground cable network.

**(i) OTHER SYSTEM IMPROVEMENT WORKS**

Other works such as installation/replacement of Autoreclosers, LT 11kV switchgears have been carried out to improve system reliability.



The year-wise capital expenditure incurred towards reliability related works during the MYT period 2007-11 is given in Table 3.5 below:

Table 3.5

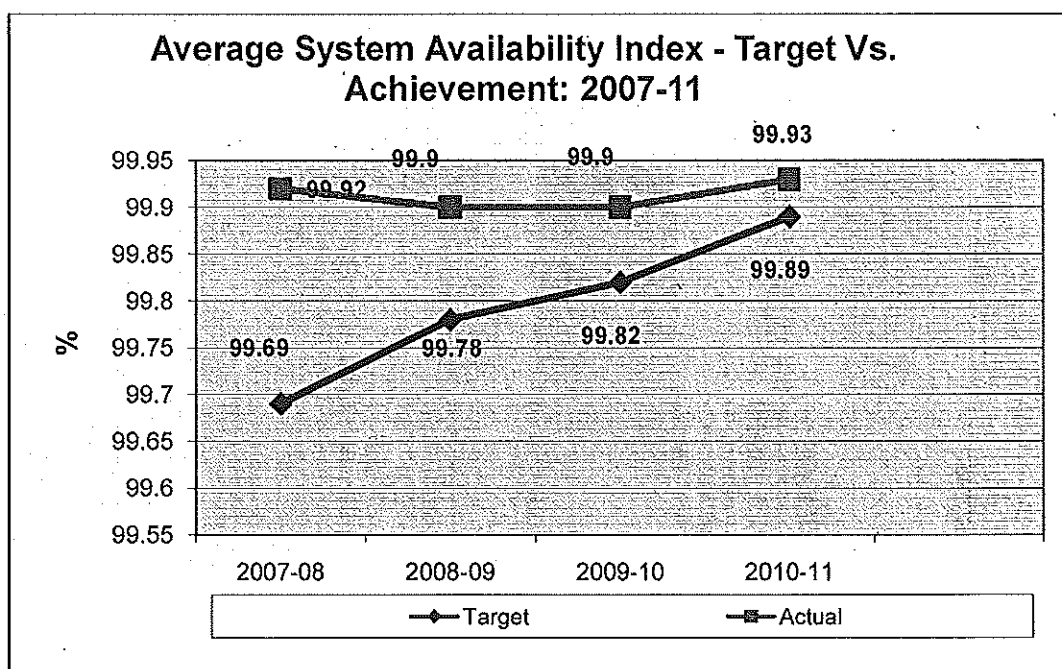
Period	Capital Expenditure (Rs. Cr.)
2007-08	41.0
2008-09	24.0
2009-10	94.0
2010-11	118.0
<b>TOTAL</b>	<b>277.0</b>

### 3.2.3 SYSTEM RELIABILITY INDICES

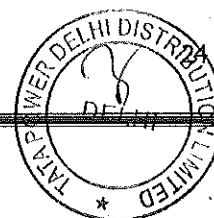
#### a. AVERAGE SYSTEM AVAILABILITY INDEX (ASAI)

Average System Availability Index is a measure of the overall reliability of the system. It represents the percentage of time during the year that the average customer has power. TPDDL has achieved ASAI of 99.93% in FY 10-11 as against 99.92% in FY 07-08.

Chart - 3.5

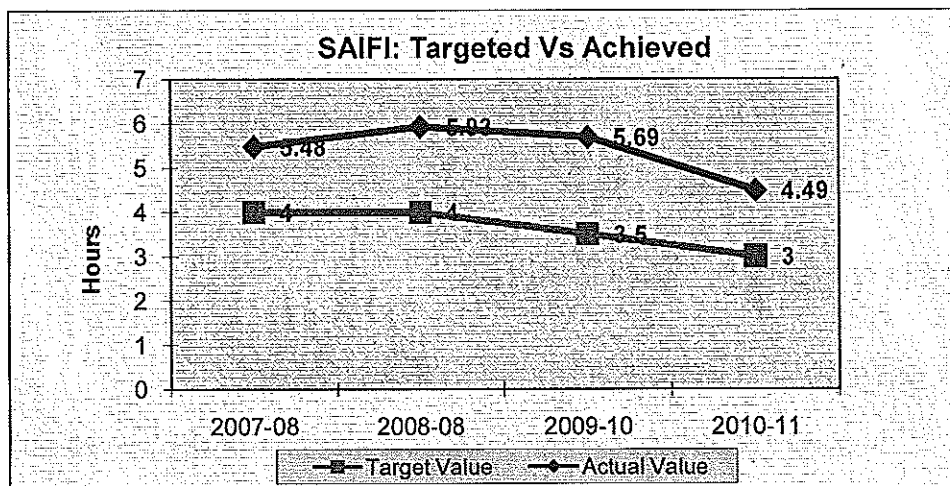


#### b. SYSTEM AVERAGE INTERRUPTION FREQUENCY INDEX (SAIFI)



System Average Interruption Frequency Index is a measure of the number of times the average customer experiences an interruption in supply. TPDDL has achieved SAIFI of 4.48 in FY 10-11 as against 5.48 in FY 07-08.

Chart – 3.6



### c. SYSTEM AVERAGE INTERRUPTION DURATION INDEX (SAIDI)

System Average Interruption Frequency Index is a measure of the average duration of interruption in supply which a customer experiences.. TPDDL has achieved SAIDI of 6.3 hrs in FY 10-11 as against 7.11 hrs in FY 07-08.

Chart – 3.7

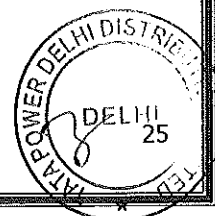
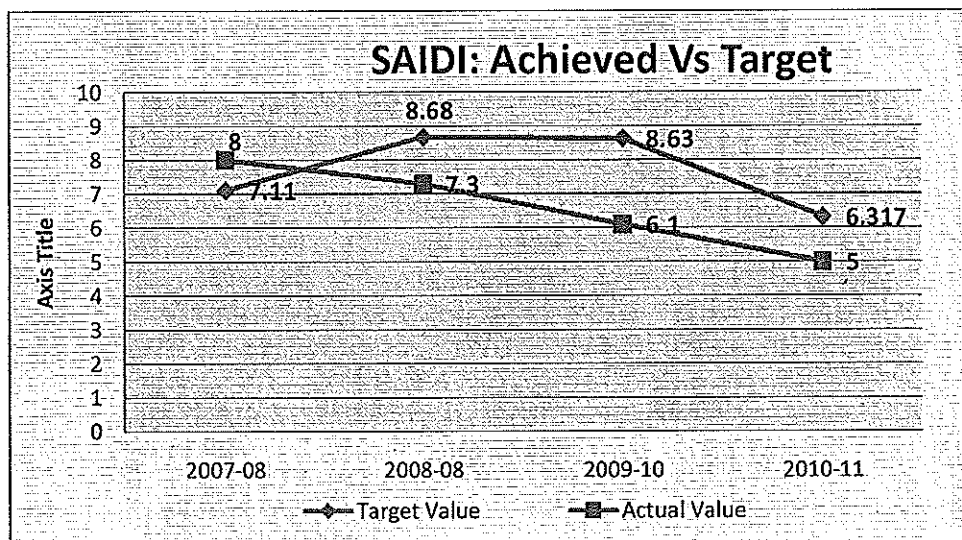
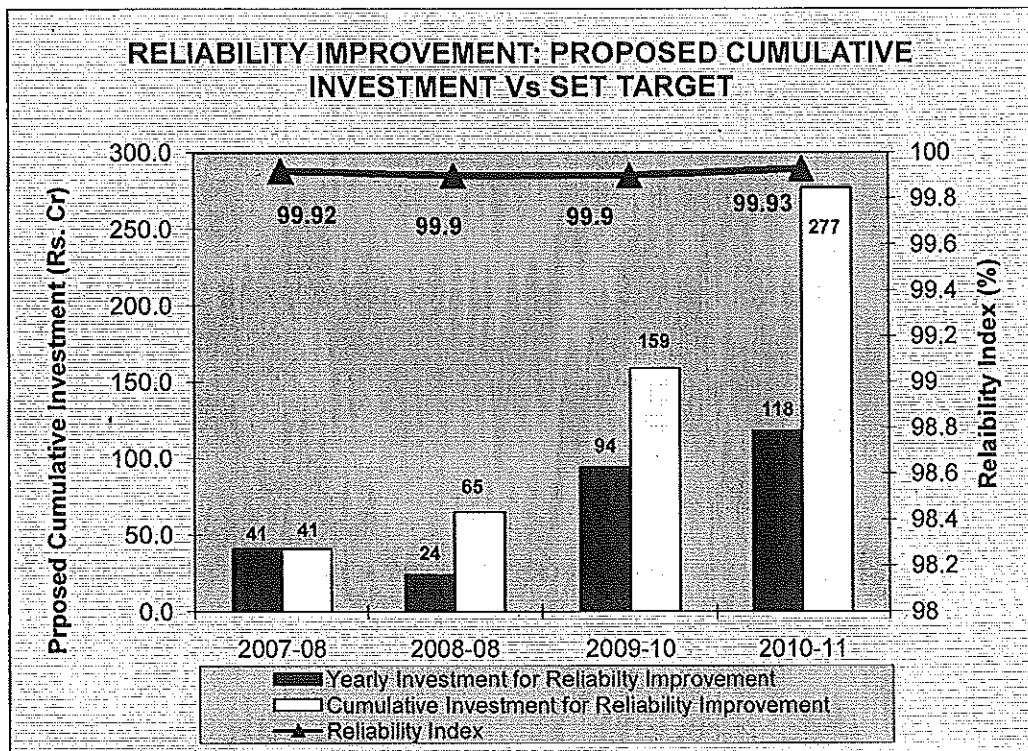


Chart 3.8 below indicates reliability improvement achieved vs the cumulative investment.

Chart – 3.8



### 3.2.4 LOAD GROWTH

TPDDL experienced a load growth at rate of 7 % during last 4 years. To cater to this load growth TPDDL has added new grids as well as augmented 11 kV network. TPDDL since take over has added the following new grids:

Table - 3.6

List of New Grids		
Year	66 kV	33 kV
2007-08	RG-24	SMBFC
2008-09	Ghevra	
2009-10		Tigipur
2010-11	Bhalaswa, DCI	DU, Kirti Nagar
2011-12		

In addition capacity of number of grids has been augmented to meet the growing demand.

TPDDL has also made the following additions to its network:

Table – 3.7

<b>Addition of sub-transmission and distribution lines from 2002-2007</b>				
<b>S.N.</b>	<b>Item</b>	<b>FY 02-03</b>	<b>FY 07-08</b>	<b>FY 10-11</b>
1	33 kV and 66 kV OH/UG Lines (km)	332.5	549.2	705
2	11 kV OH/UG Lines(km)	2245	3191	3677
3	LT-Lines (km)	4172	5239	5749
<b>Addition of Transformation Capacity From 2002-20011</b>				
1	Power Transformer (MVA)	1651	2770	3209
2	Distribution Transformers (MVA)	1703	2988	4293

The year-wise capital expenditure incurred towards load growth during the MYT period 2007-11 is given in table 3.8 below:

Table – 3.8

<b>Period</b>	<b>Capital Expenditure (Rs. Cr.)</b>
2007-08	78.0
2008-09	101.0
2009-10	120.0
2010-11	223.0
<b>TOTAL</b>	<b>522.0</b>

### 3.2.5 INFRASTRUCTURE DEVELOPMENT

TPDDL has upgraded its existing IT as well as administrative infrastructure to meet the aspiration of consumers as well as employees.

The year-wise capital expenditure incurred towards infrastructure development during the MYT period 2007-11 is given in table 3.9 below:

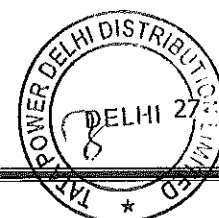
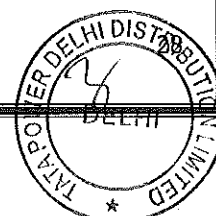


Table – 3.9

Period	Capital Expenditure (Rs. Cr.)
2007-08	15.0
2008-09	15.0
2009-10	32.0
2010-11	21.0
<b>TOTAL</b>	<b>83.0</b>



**CHAPTER – 4**

**POWER SCENARIO  
FY 2013-15**





#### 4.1 POWER SCENARIO IN NEAR FUTURE:

The Master Plan for Delhi-2021, envisages a higher population growth in next 15 years through migration and natural growth in new areas like Bawana, Narela, Rohini etc. It has been highlighted in the plan that in order to cater to these new consumers; infrastructure has to be developed in a long term perspective. It is projected that future increase/growth will be both because of relocation/migration and natural growth. It is also envisaged that the land use pattern will continue to change in future which will have some impact on industrial and commercial activity. However, it needs to be highlighted that this phenomenon was prevalent in the past and to an extent gets captured in the Delhi growth rates on average. The projected energy profile of TPDDL for the Control Period 2012-13 to 2014-15 is given in Table – 4.1.

Table – 4.1

Energy Profile					
S. No.	Year	Energy Input (MUs)	Energy consumption (MUs)	AT&C Losses (%)	Peak Demand (MW)
1	2012-13	8236	7222	12.75	1536
2	2013-14	8909	7829	12.50	1689
3	2014-15	9618	8483	12.25	1885

AT&C loss targets proposed by TPDDL are given in the table above. While TPDDL would undertake every effort to achieve the laid targets, the following factors may create hindrance with regard to the same:

The following factors make it difficult to achieve the aforesaid losses:

- The technical losses as on date stand at nearly 7%.
- External devices are now openly available in the market to tamper with the reading of electronic meters. Also, severe resistance is being faced from public

regarding replacement of old electro mechanical meters. Meter tampering and erroneous reading through old electro mechanical meters contributes around 3 % of AT&C losses.

- Direct hooking in slum areas account for nearly 3 % of AT&C losses.

The above forecasts as listed in Table 4.1 have been prepared based on the factors like past growth trend in terms of electricity, macro-economic indices/factors, population and industrial growth with the demand for electrical energy is done to determine the future energy demand.

**Table 4.2**

<b>Proposed: Consumer category-wise expected billed consumption</b>			
<b>Consumer Category</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>
Domestic	3105	3385	3690
Non-Domestic	1589	1764	1941
Industry	2101	2227	2260
Other	427	454	482
<b>Total</b>	<b>7222</b>	<b>7829</b>	<b>8483</b>

However, it may be noted that the forecast does not take into account any special project or event that the city may see in the near future leading to a rapid/ abnormal acceleration of industrial and commercial activity in the licensed area or accelerated expansion of the residential sector. Also, the forecast has been made for "unrestricted" energy and load demand. The actual energy supply and peak demand "met" may be lower due to supply restrictions that necessitate load curtailment. Graphical representation of estimated inputs vs consumption for the period 2013-15 is depicted in Chart 4.1

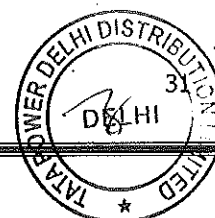


Chart – 4.1

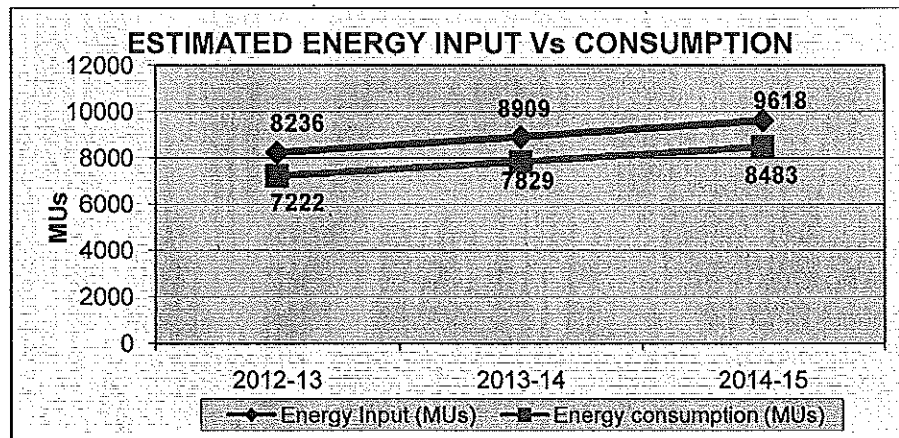
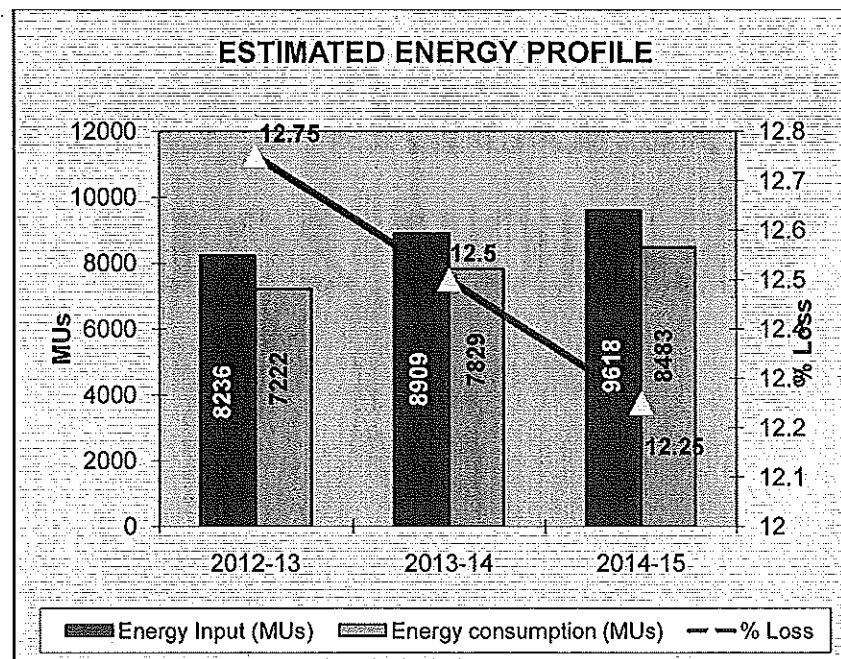


Chart – 4.2 shows estimated AT&C Losses in percentage against estimated energy input and consumption for the period of 2012 to 2015.

Chart – 4.2



**CHAPTER – 5**

**CAPITAL  
INVESTMENT  
PROPOSED FOR MYT  
PERIOD 2013-15**



To achieve the anticipated load growth and targeted AT&C loss reduction, TPDDL has carried out a detailed analysis of capital investment required for next four years. The analysis is based on various technical and physical audits carried out by TPDDL staff followed by discussions at various levels and review by senior management.

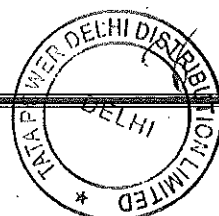
TPDDL Capex Plan, which is explained later in the chapter, is worked out after amalgamating the requirement at various levels. The total capital investment required at TPDDL for the control period 2013-15 is estimated at Rs. 1030 Cr.

The deployment of capital investment is proposed under the following benefit centers:

1. Growth Development Plan to meet the load growth
2. AT&C loss reduction
3. System Reliability Improvement
4. Creation of infrastructure facilities & administrative buildings

For each of the above benefit centers, the investment has been broken into the following sub-centers:

- 1. AT&C loss reduction**
  - a. Metering System
  - b. LT Aerial Bunched Conductor
- 2. System Reliability Improvement**
  - a. Automation
  - b. New Technologies
  - c. Safety related
  - d. 11 kV Sick Cable Replacement
- 3. Growth Development Plan to meet the load growth**
  - a. New grid sub-station



- b. Augmentation of existing grids
- c. Augmentation of 11 kV network

**4. Creation of Infrastructure Facilities & Administrative Buildings.**

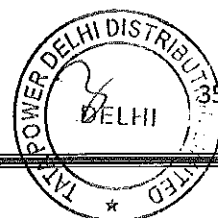
- a. Administrative Buildings
- b. Consumer Care Centers and Cash Collection Centers
- c. Miscellaneous items like tools, communication equipment, testing lab etc.

**5.1 TARGET AREA-WISE DISTRIBUTION OF CAPEX:**

For improving the performance of TPDDL in terms of meeting the load growth, reduction of AT&C losses and reliability of supply, a detailed Capital Investment Plan has been worked out for the Control Period FY 12-15. The Capex Plan proposes an investment of Rs. 1030 Crores. The deployment of Capex is proposed under the following four benefit centers:

Load Growth	:	Rs. 658 Crores
AT&C Loss reduction	:	Rs. 138 Crores
Reliability	:	Rs. 133 Crores
Administration and Infrastructure	:	Rs. 101 Crores

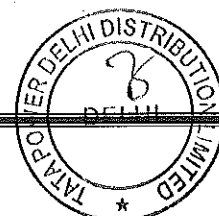
64 % of the Capex has been reserved for deposit works and load growth. The losses have been reduced to nearly 11 % during the last 5 years. TPDDL is of the opinion that there is scope for reducing losses further, but reducing losses below 13% would be nightmarish for the reasons mentioned earlier. Therefore, 13 % of Capex has been allotted for AT&C loss reduction.



The investment plan during the period FY 2012-13 to 2014-15 totaling to Rs.1030 Crores is given in table 5.1 as follows:

**Table-5.1**

<b>CAPITAL INVESTMENT PLANNING FOR FY 2012-15</b>					
<b>BUDGET FOR NON DEPOSIT WORKS</b>					
<b>1</b>	<b>AT&amp;C Loss Reduction Schemes</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>Total</b>
1.1	Meter Replacement	27	28	38	93
1.2	HVDS Work				
1.3	Replacement of LT Bare conductor to LT ABC	20	15	10	45
1.4	LT ABC for Franchisee/ SPD				
<b>Subtotal for AT&amp;C Loss Reduction</b>		<b>47</b>	<b>43</b>	<b>48</b>	<b>138</b>
<b>2</b>	<b>Reliability Improvement Schemes</b>				
2.1	Automation Implementation	8	5	10	23
2.2	New Technologies(GIS, Communication, OMS & Smart Feeder)	12	21	18	51
2.3	Safety Related	8	8	8	24
2.5	11 kV Sick Cable Replacement	10	10	10	30
2.6	Protection & Testing Instruments	1.5	1.5	2	5
<b>Subtotal for Reliability Improvement</b>		<b>39.5</b>	<b>45.5</b>	<b>48</b>	<b>133</b>
<b>3</b>	<b>Load Growth Schemes</b>				
3.1	<b>EHV Works</b>				
3.1.1	New Grid Substations. excluding Deposit Works				
3.1.2	66 & 33 kV Lines & Cables	81	95	92	268
3.1.3	66 & 33 kV Addition/Augmentation of Bays/Transformers				
3.1.4	11 kV system Augmentation works	66	92	54	212
3.1.5	New Meters	48	49	51	148
3.1.6	LT Works	10	10	10	30
<b>Subtotal for Load Growth</b>		<b>205</b>	<b>246</b>	<b>207</b>	<b>658</b>
<b>4</b>	<b>Infrastructure Development Schemes</b>				
4.1	Civil Infrastructure Projects	5	5	5	15
4.2	Information Technology	17	20	19	56
4.3	Administration support	10	10	10	30
<b>Subtotal for Infrastructure Development</b>		<b>32</b>	<b>35</b>	<b>34</b>	<b>101</b>
<b>Total for Non Deposit Works</b>		<b>323.5</b>	<b>369.5</b>	<b>337</b>	<b>1030</b>



**Note:**

1. Capital Investment for deposit works will be as per requirement.
2. Above Capital Investment does not include IDC.

### 5.1.1 CAPEX FOR LOAD GROWTH

During the MYT period 2007-11 TPDDL has experienced average load growth of 7% , for which capital expenditure of Rs. 522 Cr. has been incurred. For MYT period 2013-15 the growth in TPDDL area is expected to be higher. A cumulative average growth rate of 8% has been assumed for TPDDL area. To achieve this anticipated load growth an investment of Rs. 658 Cr has been proposed.

#### 5.1.1.1 NEW METERS

It is anticipated that nearly 2.5 lac new consumers would be added during the period 2013-15. In addition to that meters which have become temper prone, faulty/burnt or are tempered would also be replaced. Breakup of additional meters to be installed is given in table 5.1 below:

**Table 5.1**

S.No	Type of Meter	No.		
		2012-13	2013-14	2014-15
1	Single Phase Meters	80000	87000	95000
2	Polyphase Meters	6500	6800	7000
3	LT CT Meters	3500	2400	2500

During the MYT period 2013-15, total capital expenditure proposed towards installation of new meters is Rs. 148 Cr. Year wise breakup of the same is given below:

**Table 5.2**

Year	Capital Expenditure (Rs. Cr.)
2012-13	48.00
2013-14	49.00
2014-15	51.00
<b>Total</b>	<b>148.00</b>





### 5.1.1.2 NEW GRIDS

Following new grids have been planned to meet the anticipated load growth.

Table – 5.3

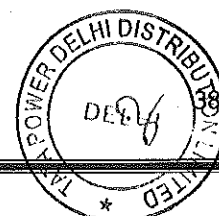
LIST OF PROPOSED NEW GRIDS					
SN	Year	Grid	Voltage Level	Deposit*	Non-deposit
1	2012-13	Bawana Phase-2 No-1	66 kV	Deposit	
2		Narela IFC	33 kV		Non-deposit
3		SGTN Phase-2	33 kV	Deposit	
4		ESIC Hospital	33 kV	Deposit	
5		Rani Bagh Commercial Centre	33 kV		Non-deposit
6		Pure Earth	33 kV	Deposit	
7	2013-14	Kirari	66 kV		Non-deposit
8		Alipur	66 kV		Non-deposit
9		BWN-3	66 kV	Deposit	
10		Burari	66 kV		Non-deposit
11		Bawana-8	66 kV	Deposit	
12		Katputli	33 kV	Deposit	
13	2014-15	Lawrence Road	33 kV		Non-deposit
14		Wazirpur-3	33 kV		Non-deposit
15		Dheerpur	66 kV	Deposit	

### 5.1.1.2 AUGMENTATION OF EXISTING GRIDS

Augmentation of following grids is proposed during the period 2013-15

Table 5.4

Grid Augmentation					
S No.	Work	Grid	Rating	Voltage Level	Number
1	Augmentation of Power Transformer	Gulabi Bagh grid	16 MVA to 25 MVA	33/11 KV	1
2	Addition of Power Transformer	GTK grid	16 MVA (Old)	33/11 KV	1
3	Additional of Power Transformer	Narela A-7 grid	25 MVA	66/11 KV	1
4	Additional of Power Transformer	SMB FC grid	25 MVA	33/11 KV	1



The year wise capital expenditure proposed for new grids as well as augmentation of existing grids is given in table 5.5 below:

**Table 5.5**

<b>Period</b>	<b>Capital Expenditure (Rs. Cr.)</b>
2012-13	81.00
2013-14	95.00
2014-15	92.00
<b>TOTAL</b>	<b>268.00</b>

#### **5.1.1.3 AUGMENTATION OF 11 KV NETWORK**

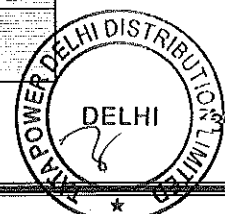
Following works are proposed for 11 kV Augmentation works:

- a. Installation of additional distribution transformers
- b. Augmentation of capacity of existing 11 kV substations
- c. Laying of additional 11 kV feeders

The year wise capital expenditure proposed for 11 kV network augmentation is given in table 5.4 below:

**Table 5.6**

<b>Period</b>	<b>Capital Expenditure (Rs. Cr.)</b>
2012-13	66.00
2013-14	92.00
2014-15	54.00
<b>TOTAL</b>	<b>212.00</b>



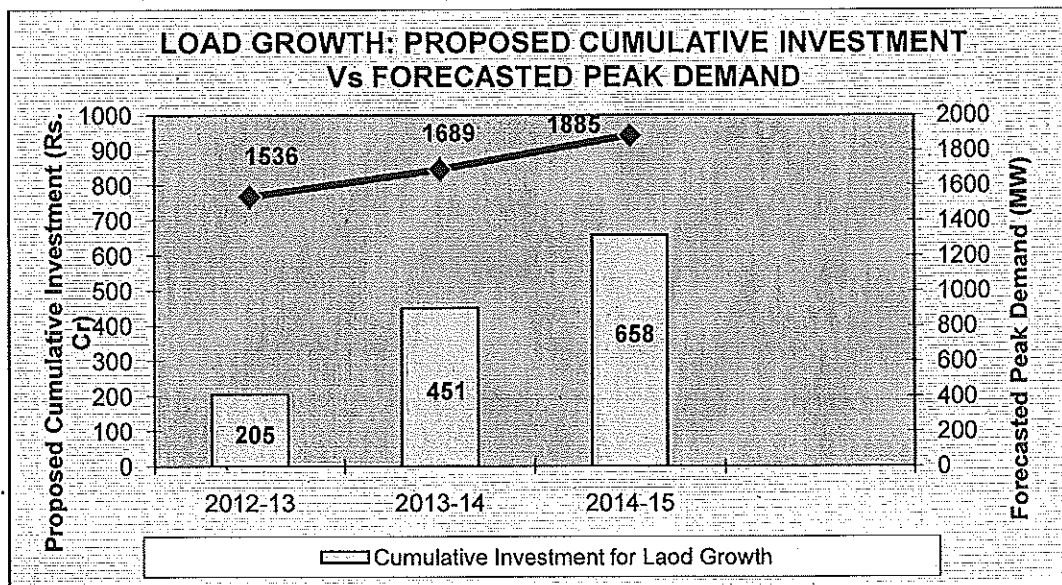
District wise allocation of investment proposed for the same is given below:

**Table 5.7**

District-wise CAPEX for 11 KV Augmentation (in Rs Cr)						
Circle	S No.	Distt.	2012-13	2013-14	2014-15	Grand Total
CITY	1	MTN	15.66	13.72	6.11	35.49
	2	KPM	1.03	4.94	2.47	8.44
	3	MGP	5.90	4.32	8.25	18.47
	4	PPR	0.53	9.86	10.26	20.65
SUB-URBAN	5	BWN	10.95	23.85	8.60	43.40
	6	NRL	9.41	8.61	6.44	24.46
TOWN	7	CVL	2.20	3.29	1.21	6.69
	8	MDT	5.06	1.37	1.25	7.68
	9	SKN	1.35	1.74	1.12	4.21
URBAN	10	BADLI	1.70	6.84	2.35	10.90
	11	RHN	5.54	8.55	3.08	17.17
	12	SMB	5.86	5.24	3.16	14.26
Total			66	92	54	212

Chart 5.1 gives proposed cumulative investment for load growth vs forecasted peak demand.

**Chart – 5.1**



### 5.1.2 CAPEX FOR AT&C LOSS REDUCTION

In MYT period 2007-11, capital expenditure for AT&C has been Rs. 293.0 which has resulted in AT&C loss reduction from 18.3% to below 14%. During the control period 2013-15 TPDDL is targeting AT&C loss reduction from 13% to 12.25%. To achieve this target an investment of Rs. 138 Crores has been proposed. This investment is proposed under following heads:

#### 5.1.2.1 REPLACEMENT OF METERS

Some of the existing meters are required to be replaced for the following reasons:

- a. Meters booked under enforcement
- b. Faulty/Burnt meters
- c. Temper prone meters.

Estimated number of meters required to be replaced for above mentioned reasons is given in table 5.8 below.

Table 5.8

S.No	Type of Meter	No.		
		2012-13	2013-14	2014-15
1	Single Phase Meters	60000	65000	75000
2	Polyphase Meters	3000	3000	3000
3	LT CT Meters	1000	700	700

The year wise estimated capital expenditure for replacement of meters is given in table 5.9 below:

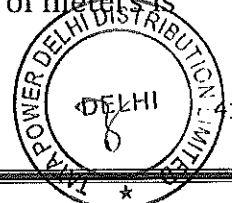


Table 5.9

Period	Capital Expenditure (Rs. Cr.)
2012-13	27.00
2013-14	28.00
2014-15	38.00
<b>TOTAL</b>	<b>93.00</b>

#### 5.1.2.2 LTABC and HVDS WORKS

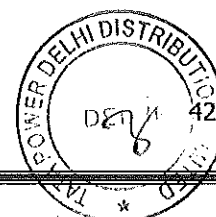
No major HVDS work is anticipated during MYT period 2013-15. In LTABC major work anticipated in extension of existing LT ABC network due to new dwelling units in the area and replacement of bare conductors in few pockets. The year wise capital investment proposed for the same is given in table 5.10 below.

Table 5.10

Period	Capital Expenditure (Rs. Cr.)
2012-13	20.0
2013-14	15.0
2014-15	10.0
<b>TOTAL</b>	<b>45.0</b>

District wise allocation for LT ABC is given in Table 5.11.

Table 5.11



Capex for LTABC						
CIRCLE	DISTRICT	ZONE	2012-13	2013-14	2014-15	Total
CITY	Moti Nagar	1301	0.39	0.16	0.10	0.65
		1302	0.55	0.31	0.21	1.07
		1303	1.17	0.93	0.62	2.72
		1304	0.29	0.05	0.03	0.36
	Keshav Puram	502	0.30	0.06	0.04	0.40
		504	2.80	2.56	1.71	7.06
	Pitampura	508	1.85	1.61	1.07	4.53
		510	0.47	0.23	0.16	0.86
		530	0.58	0.34	0.23	1.15
	Bawana	512	1.99	1.75	1.17	4.91
		514	1.24	1.00	0.67	2.91
		517	1.44	1.20	0.80	3.44
	Narela	514	1.24	1.00	0.67	2.91
		517	1.44	1.20	0.80	3.44
	Badli	507	0.43	0.19	0.13	0.76
SUB-URBAN	Model Town	402	1.76	1.52	1.01	4.29
		412	1.05	0.81	0.54	2.41
		413	0.59	0.35	0.23	1.17
		415	0.32	0.08	0.05	0.45
	Shakti Nagar	421	0.83	0.59	0.39	1.81
		422	0.32	0.08	0.05	0.45
		423	0.66	0.43	0.28	1.37
		425	1.00	0.76	0.51	2.26
	Total		20.00	15.00	10.00	45.00

Proposed year wise investment for AT&C Loss Reduction (Cumulative) and corresponding targeted AT&C Loss Reduction is depicted in Chart – 5.2.

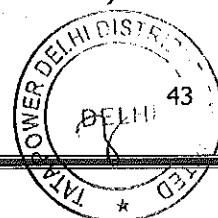
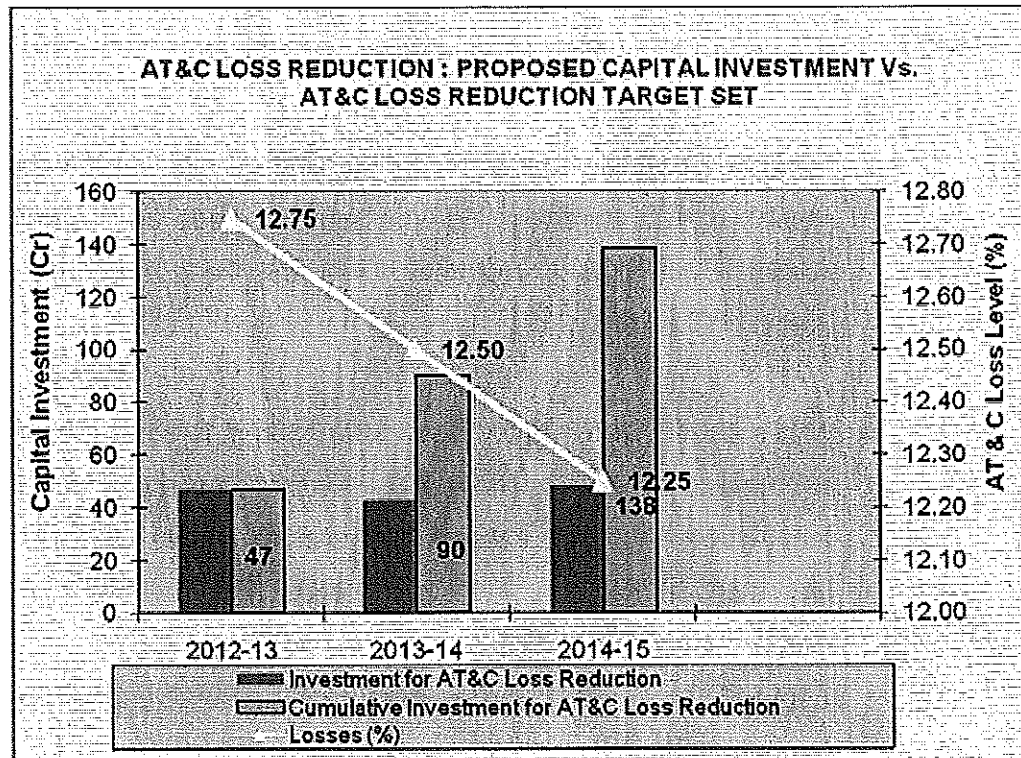


Chart – 5.2



### 5.1.3 CAPEX FOR RELIABILITY IMPROVEMENT

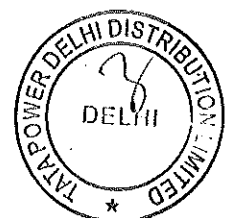
During the control period 2013-15 TPDDL proposes to further strengthen the network, introduce new technologies to enhance customer satisfaction in terms of safe and reliable supply of electricity. To achieve this same an investment of Rs. 119 Crores has been proposed.

#### 5.1.3.1 NEW TECHNOLOGIES

Further reliability improvement will be done by inclusion of new technologies. Following works are proposed in MYT period 2013-15:

##### a. Automation

Following works are proposed to be done during MYT period:



- i. It is proposed to upgrade existing SCADA, EMS and DMS system due to addition of new grids and expansion of 11 kV network for the reliability improvement by induction of new technologies. Investment under this head is proposed at 12 Cr. during the MYT period.
- ii. Network planning requires extending LT level planning integration with respect to GIS database. For the same upgrade and inclusion of new license is required. Investment under this head is proposed at 1 Cr during MYT period.
- iii. At present MTTR for 11 KV distribution system is above two hours and it is proposed to include Distribution Automation work by addition of RTU automation and Fault Passage Indicator to reduce the outage time to less than 30 minutes. Investment under this head is proposed at 9 Crores during MYT period.

Item-wise break-up of Capital Investment proposed is given in table 5.12 (amount in Rs Cr):

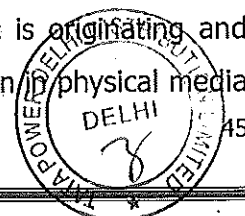
Table— 5.12

S No.	Item	FY 12-13	FY 13-14	FY 14-15
1	Grid Substation Automation	0.80	0.50	--
2	SACDA/EMS DMS Systems	0.20	0.50	10.00
3	NPAG	1.00	--	--
4	Distribution Automation	6.00	2.00	1.0
<b>Total</b>		<b>8.00</b>	<b>3.00</b>	<b>11.00</b>

#### b. Communication Network

Following works are proposed to be done during MYT period:

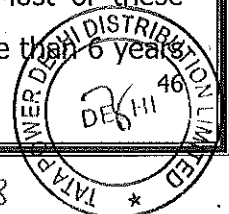
- i. Due to ring architecture (RPR topology), data traffic is originating and getting terminated in single station and any breakdown in physical media





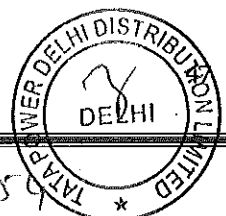
results in communication failure for multiple sites connected through that site. Any breakdown in fibre between tapping point to FMS (Fibre management System box) results in communication failure of that particular node and all other connected nodes. To avoid such situations it is proposed to lay redundant approach cable from alternative nearest tapping point to FMS. Investment under this head is proposed at Rs. 3.50 Cr. during MYT period.

- ii. TPDDL has taken 2 pairs of fiber on lease basis from M/s TATA Teleservices Ltd. for 73.53 Kms. This primarily forms our core ring and one sub ring. However due to the unavailability of spare fibers on these routes and to eliminate 3rd party dependency, it is required to create TPDDL own fibre network on these rings. Investment under this head is proposed at Rs. 4.50 Cr. during MYT period.
- iii. As all grids are unmanned and there is lot of public interaction in district offices, A surveillance system will help to protect people and assets and minimize liabilities and avoid trivial lawsuits. Investment under this head is proposed at Rs. 4 Cr. during MYT period.
- iv. Power plant are connected with Communication equipment's to provide - 48V dc supply and for over voltage protection. Existing power plants (Delta make) are now obsolete and OEM has expressed their inability to continue maintenance support. It is therefore required to upgrade existing power plants with remotely managed power plants. Investment under this head is proposed at Rs. 45 lacs during MYT period.
- v. To ensure communication reliability of mission critical services, communication equipment are commissioned with separate battery banks to provide back up of 8 hrs. So that communication remains unaffected in case of local supply failure /Grid failure. Most of these batteries need replacement as they are in services for more than 6 years.



and unable to provide desired back up. Investment under this head is proposed at Rs. 30 lacs during MYT period.

- vi. In order to provide WAN connectivity for IT and operational applications, TPDDL is having approximately 250 kms of fiber network connecting unmanned grids, district offices, consumer care centers and zonal offices. Investment under this head is proposed at Rs. 1.90Cr. during MYT period.
- vii. TPDDL district offices and 11 kV feeders emanating from DTL grids are connected to TPDDL SCADA system by installing E/F converter at DTL grid RTU and nearby TPDDL grid RTU. Any breakdown in communication from DTL end require physical visit to DTL site as existing E/F converters are not remotely controlled. Hence by replacing existing converters by IP based converters it will be possible to troubleshoot breakdowns from central control room. Investment under this head is proposed at Rs. 20 lacs during MYT period.
- viii. At present TPDDL sites where single service is running i.e. only SCADA or enterprises, are connected through media converters, are to be connected through mux so that in future all operational and enterprises application are accessible pan TPDDL. Also last mile connectivity can be provided for future upcoming projects (Smart grid, MWM etc.). Investment under this head is proposed at Rs. 50 lacs during MYT period.
- ix. At present we have installed SDH mux (STM-16 for core ring & STM-4 for sub rings) in our network. To cater future bandwidth requirements (data, voice, video etc.) and to increase network robustness, it is required to upgrade existing hardware/technology. Presently IP-MPLS, DWDM, LTE



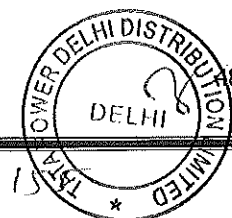
and STM-64 are under evaluation for TPDDL network. Investment under this head is proposed at Rs. 9 Cr. during MYT period.

Item-wise break-up of capital Investment proposed is given below in table 5.13

**Table—5.13**

Information Technology (IT) (Amount in Lacs)				
S No.	Name of Scheme / Activity	FY' 12-13	FY' 13-14	FY' 14-15
1	Secondary Data Center	100	50	50
2	Disaster Recovery Hosting	0	300	0
3	SAP	200	200	200
4	Integrated Power Procurement Solution	250	0	0
5	Adobe Forms & approval through mobile devices	0	0	0
6	Security Information & Event Management	0	50	50
7	E - Biz	0	60	0
8	PC/ Laptop (hardware part)	300	350	350
9	UPS (hardware part)	10	50	50
10	Procurement of new servers (hardware part)	0	150	150
11	Network (Switches, Router, LAN/WAN) (hardware part)	20	40	60
12	Printers / Scanners / Plotters (hardware part)	5	15	25
13	Storage (hardware part)	0	30	50
14	Microsoft Enterprise Agreement (software item)	0	100	0
15	New Technology (software item)	5	25	25
16	Security (software item)	0	0	50
17	Router NMS for traffic monitoring	40	0	0
18	Implementation of IFRS in SAP	100	0	0
19	Upgradation of Call Centre	200	0	0
20	Tape Library (hardware part)	0	0	40
21	Enterprise Application Integration (EAI)	250	300	100
22	PI	250	100	0
23	Enterprise Management Tool	0	200	300
24	Data Archival Solutions	0	0	200
25	Oracle License	0	0	200
	<b>Total</b>	<b>1730</b>	<b>2020</b>	<b>1900</b>

### c. Geographical Information System



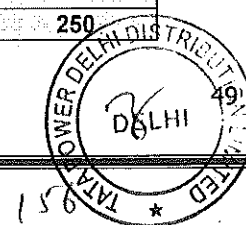
GIS has been implemented for mapping of distribution assets and integrated with SAP-PM, SAP-FICO and SAP-ISU which is being used for asset management, scheme preparation, release of instant new connection, dues recovery, street light mapping with Pole no. etc. It is also integrated with Distribution Management system (DMS) for 11KV network operation and outage management system for outages at LT and/or consumer end. GIS data is a pre-requisite element for operation of OMS. Distribution asset repository and its network modeling in GIS is also used for capital investment planning. GIS has been integrated with SAP-PM, SAP-ISU, SAP-FICO, OMS along with manual interface. It is necessary to upgrade GIS system to have seamless integration with above business system to improve upon operational efficiency and productivity enhancement. To keep pace with the software life cycle of OEM, it is necessary to upgrade the software for enhanced features. Investment under this head is proposed at Rs. 5 Cr. during MYT period.

Every distribution asset installation in field needs to get updated in GIS with respect to latitude, longitude. To update the same, PDA device is used having GIS map for updation of new, moved, retired assets in GIS system. To improve the updation of distribution assets installed by various users like capturing of new consumers by meter management group, new assets installation by Project group & zones and asset movement and network changes by Zones. Usage of PDA provides fast updation of the above in GIS which in turn improve the processes of OMS and Asset management. Investment under this head is proposed at Rs. 1.5 Cr. during MYT period.

Item-wise break-up of capital Investment proposed is given in table 5.14:

**Table—5.14**

Geographical Information System (GIS) (Amount in Rs Lacs)				
S No.	Name of Scheme / Activity	FY' 12-13	FY' 13-14	FY' 14-15
1	Upgrade of GIS Software	0	300	200
2	PDA	50	50	50
	<b>Total</b>	<b>50</b>	<b>350</b>	<b>250</b>



#### **d. Outage Management System**

Outage Management system has just been implemented in one circle and by the end FY 11-12 it shall be implemented across TPDDL. This shall ensure centralized control of the field crew for no supply crew which shall optimize the crew requirement. So far following are the visible improvements.

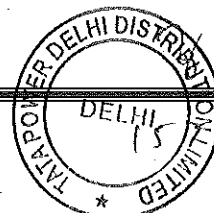
- Street light MTTR has improved to 1.09 days from 2 days last year.
- No supply complaints resolution within 2 hrs has improved to 96% from 80% last year.
- No. of complaints registered for Motinagar are 30% less as compared to last year due to information availability at CRM due to integration of SRM, OMS, GIS and SCADA/DMS.

The system deployed lacks one architectural aspect. Hot failover feature is missing at present. To make this hot failover capable the system hardware and application software needs to be upgraded.

Outage Management system has been implemented in one circle and by the end FY 11-12 it shall be implemented in all circles of TPDDL. This shall ensure centralized control of the field crew for no supply crew which shall optimize the crew requirement. It will maximize efficiencies across the enterprise through effective planning, scheduling, routing and dispatching of work. It will also enable the below mentioned activities:-

- New meter installation/Meter removal
- Meter Exchanges
- Trouble call/Restoration/emergency orders
- Credit Collections
- Periodic Maintenance
- Effective complaint redressal

Investment under this head is proposed at Rs. 5.5 Cr. during MYT period.



Item-wise break-up of Capital Investment proposed is given in table 5.15:

Table—5.15

Outage Management System (OMS) (Amount in Rs Lacs)				
S No.	Name of Scheme / Activity	FY' 12-13	FY' 13-14	FY' 14-15
1	Outage Management System (OMS)	0	200	0
2	Mobile Workforce Management (MWM)	350	0	0
	Total	350	200	0

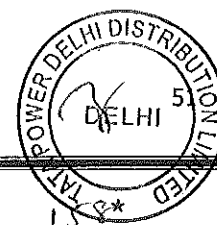
#### e. Smart Feeder

To bring about the improvements in reliability, AT&C loss reduction and improving customer service in 2003 NDPL deliberated with various global utilities and consultants and prepared its automation roadmap. Under the Automation roadmap, NDPL so far has implemented SCADA/DMS with GSAS and DA, AMR, GIS, SAP, OMS to name a few. There had been both tangible and non tangible benefits. Two major benefits are listed below:

1. SAIDI has improved from 40 to 6 hrs.
2. AT&C loss reduced from 53.3 to 13.2 %.

However to sustain the current level of progress and keep pace with the global technology and improvement trends, TPDDL propose to implement excellent Smart Grid technologies. For this purpose, TPDDL is shortly going to appoint a renowned US consultant for drawing their Smart Grid Roadmap. Payment to the consultant shall be made by USTDA through the sanctioned grant.

The intended benefits of the same are:



1. Keep consumer engaged which will contribute to voluntary participation, energy usage and reduce peak power demand.
2. Connect/Disconnect remotely will ensure better revenue management and aid in further reduction of AT&C Loss.
3. Smart Demand Response has a potential of peak saving of 130MW.
4. Continuously strive to mitigate technology obsolescence.

Investment under this head is proposed at Rs. 25 Cr. during MYT period.

#### **5.1.3.2 SAFETY RELATED**

Installations which pose immediate threat to safety of the operating personnel, network equipments, and general public at large will be concentrated upon at the initial stage. Following works are proposed to make the installations safe:

- Installation of MCCB for LT protection at secondary side of transformer.
- Providing and connecting Earthing for all network equipments.
- Providing guard wire on 11KV bare O/H network.
- Refurbishment of RMU'S.

Investment under this head is proposed at Rs. 24 Cr. during MYT period.

#### **5.1.3.3 11 kV SICK CABLE REPLACEMENT**

There are 11 kV underground cables which are more than 25 years old and are prone to frequent faults. These cables are proposed to be replaced to improve the reliability of the system. Capital Investment for Reliability Improvement is proposed on the basis of cable failure for the districts and is given in Table – 5.16

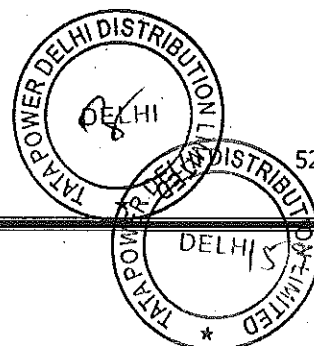


Table – 5.16

CAPEX FOR SICK CABLES (in Rs Cr)					
CIRCLE	District	FY 12-13	FY 13-14	FY 14-15	Total
CITY	MTN	1.4	1.4	1.4	4.2
METRO	PPR	1.6	1.6	1.6	4.8
SUC	BWN	0.1	0.1	0.1	0.3
	NRL	0.6	0.6	0.6	1.8
TOWN	CVL	1.9	1.9	1.9	5.7
	MDT	1.8	1.8	1.8	5.4
	SKN	1.0	1.0	1.0	3.0
UC	BDL	0.4	0.4	0.4	1.2
	RHN	0.4	0.4	0.4	1.2
	SMB	0.5	0.5	0.5	1.5
Total		10	10	10	30

#### 5.1.3.4 PROTECTION & TESTING OF INSTRUMENTS

Major items proposed to be procured for protection and testing purposes includes:

- Spares for existing relays
- Retrofitting of relays
- Line differential relays
- Relay Testing kits
- Meggar
- Winding machine for transformers

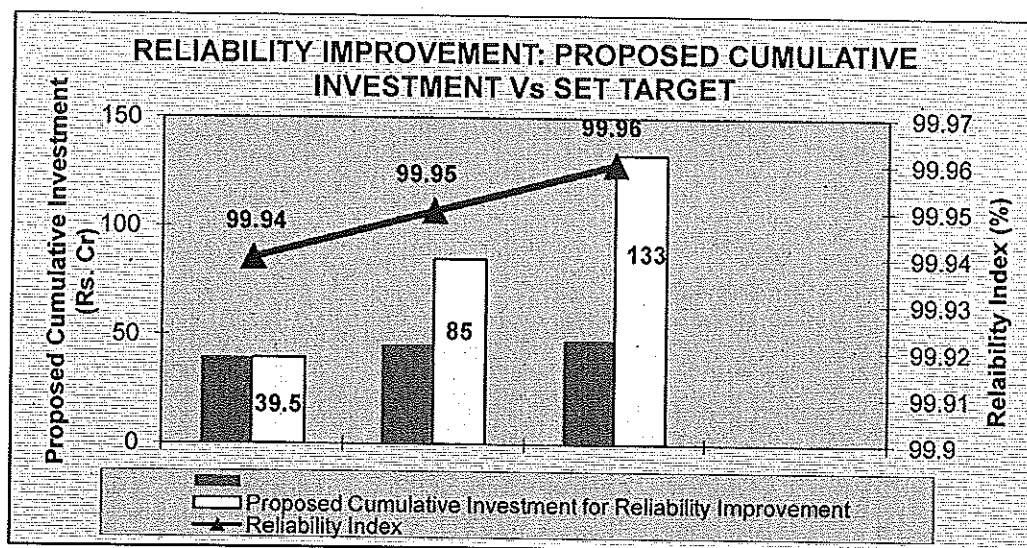
Investment under this head is proposed at Rs. 5 Cr. during MYT period.

The year wise investment for Reliability Improvement (Cumulative) and corresponding targeted Reliability Indices is depicted in Chart – 5.3





Chart – 5.3



#### 5.1.4 CREATION OF INFRASTRUCTURE FACILITIES AND ADMINISTRATIVE BUILDING

##### 5.1.4.1 Civil Infrastructure

It is planned to construct new building for Corporate Office, Commercial offices as well as renovation of exiting district and zonal offices.

##### 5.1.4.2 Information Technology

It is proposed to upgrade the Secondary Data Center, SAP, existing Call Centers and other IT infrastructure. Additional Servers, Desktops/Laptops, printers, security software is also proposed.

##### 5.1.4.3 Administration Support

New vehicles, office infrastructure, security systems, stationary items etc are proposed to be procured for administration support.

Chart 5.4 depicts the proposed investments for Infrastructure Schemes from 2013-15

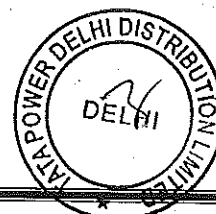
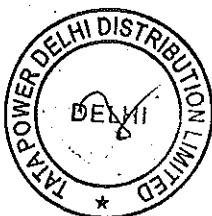
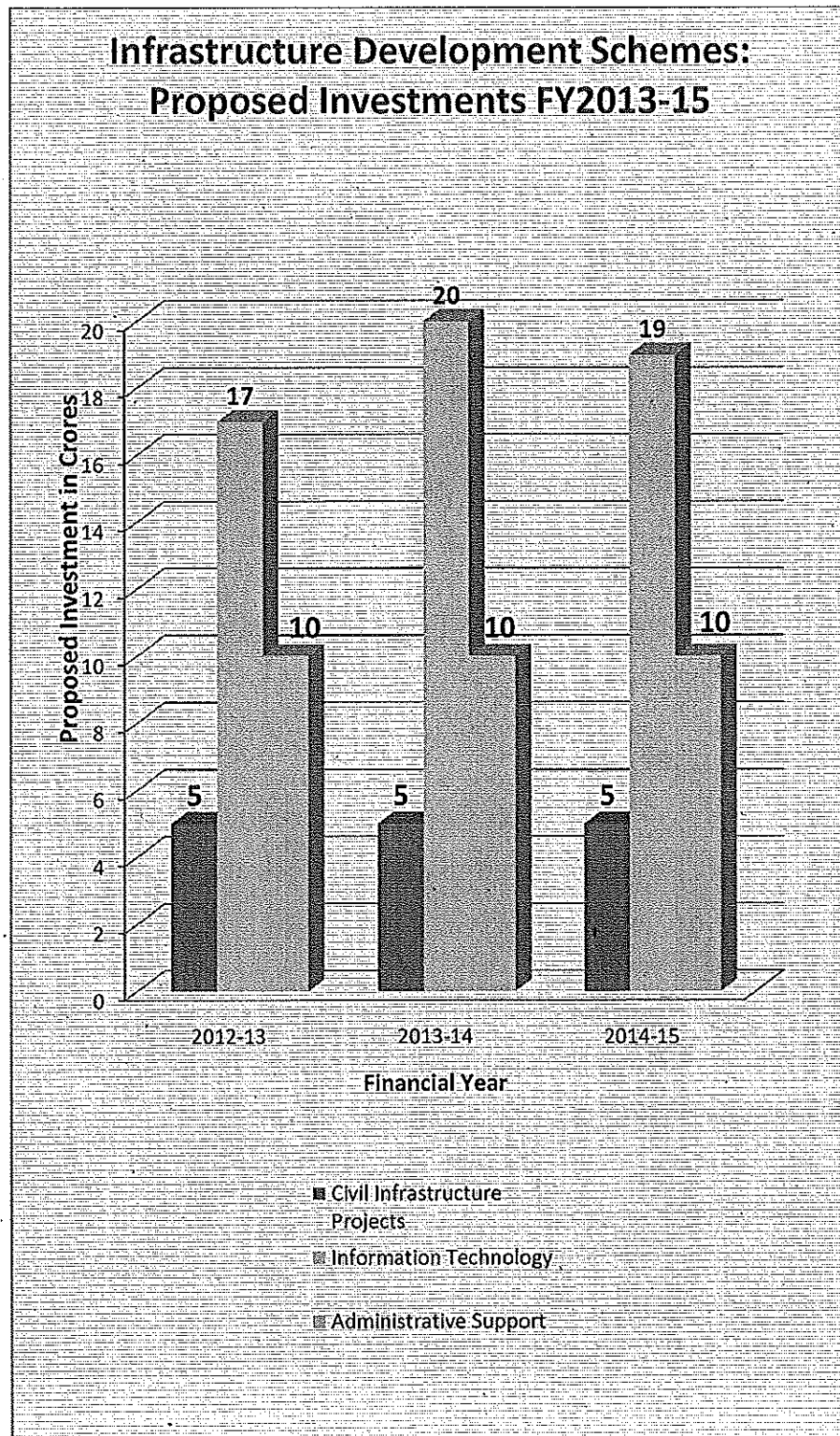
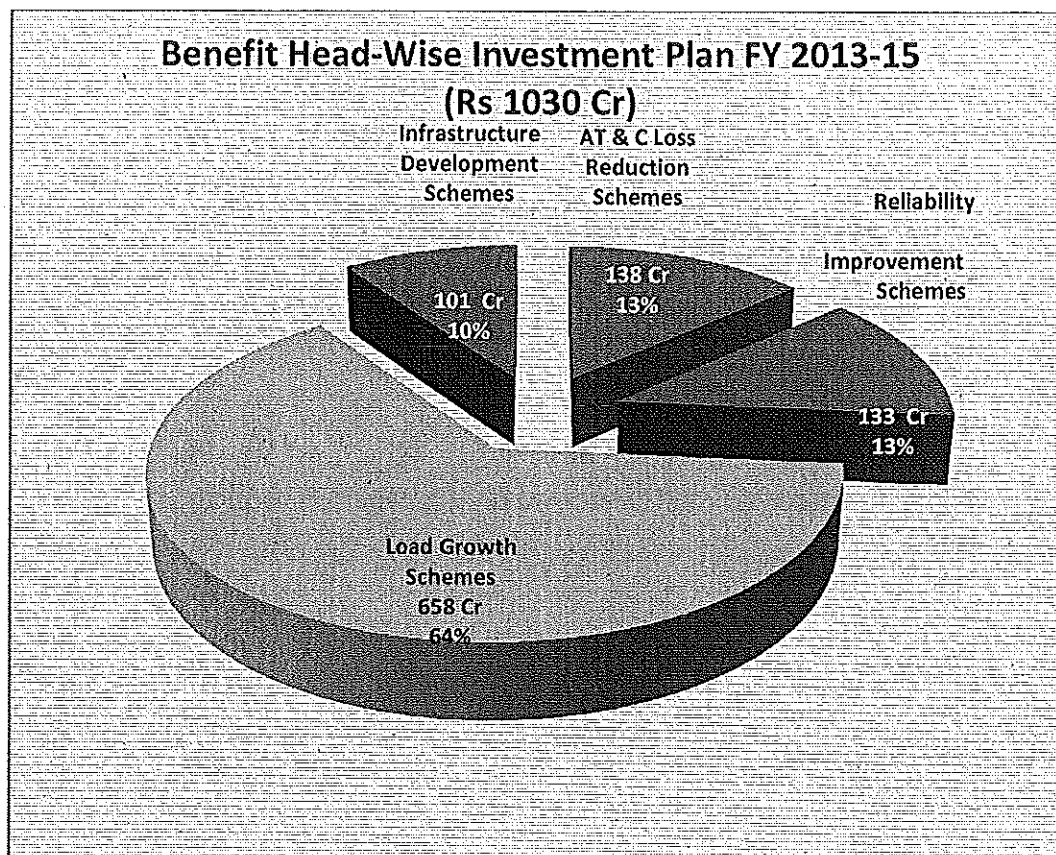


Chart 5.4



Benefit Head wise investment planned for the period of 2012-2015 is depicted in Chart – 5.5.

Chart – 5.5

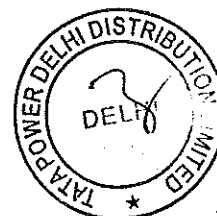


## 5.2 CAPITALIZATION SCHEDULE

The details of Capital Investment by TPDDL and the assets capitalized against these investments are given below:

Table – 5.17

Year	Capital Investment (Rs Cr)	Asset Capitalised (Rs Cr)
2007-08	245.12	264.45
2008-09	288.54	337.16
2009-10	374.10	375.80
2010-11	465.50	390.0
2011-12	250.00	378.32
Total	<b>1373</b>	<b>1367</b>



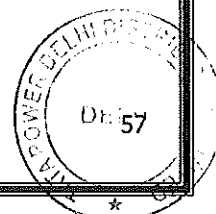
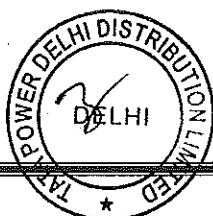
For the period 2012-13, the proposed capital investment and asset capitalization is given in the Table below:

Table 5.18

Year	Capital Investment (Rs Cr) – Including Int.	Asset to Capitalize (Rs Cr)
2012-13	417.41	359.37
2013-14	470.87	432.53
2014-15	445.34	450.44
<b>Total</b>	<b>1333.6</b>	<b>1242.3</b>

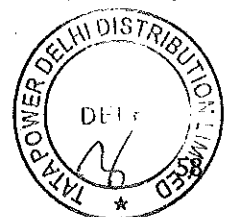
### 5.3 FINANCING PLAN

TPDDL proposes to fund the capital expenditure through a mix of consumer contribution, depreciation, internal accruals and domestic loans in the same order of priority.



## CHAPTER - 6

# QUALITY IMPROVEMENT PLAN



## 6.1 TRANSFORMER & FEEDER FAILURE RATE

At the time of take over distribution transformer failure rate was as high as 8.3%, which has been brought down to 1.10 % as on 31<sup>st</sup> March 2011. Similarly, interruption per 11 kv feeders has been brought down to 2.49 hrs hour per feeder from 9.34 hours per feeder.

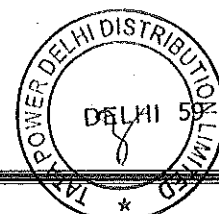
Table – 6.1

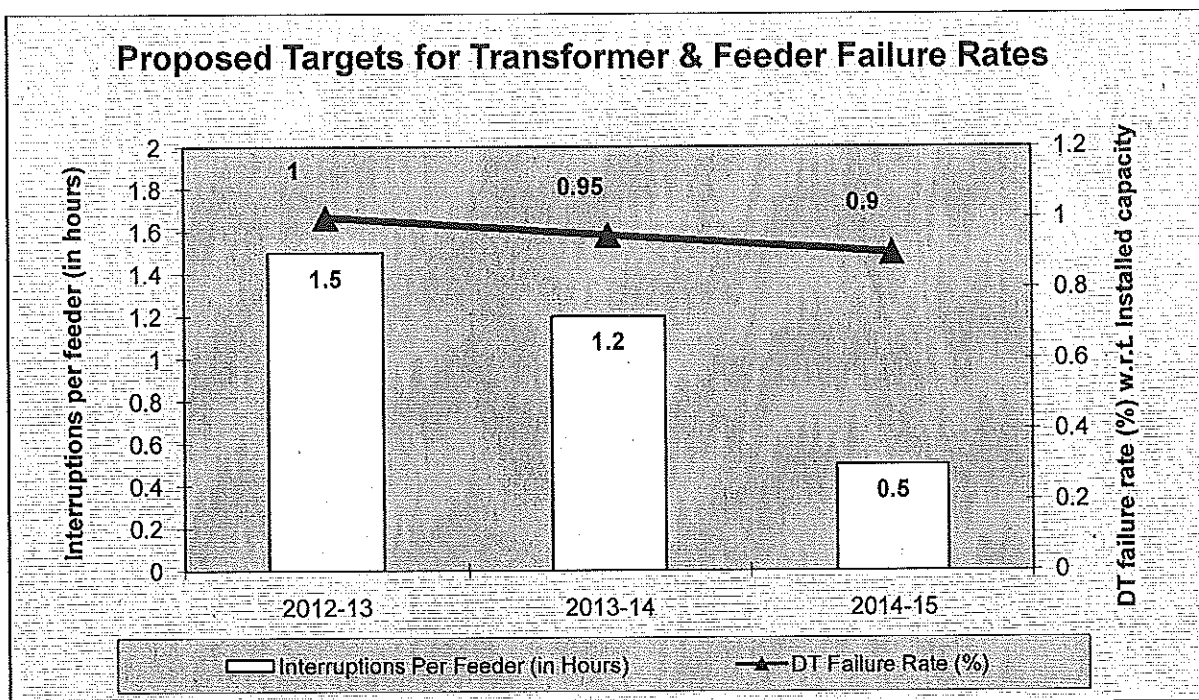
Transformer and Feeder Failure Rate				
Particulars	2007-08	2008-09	2009-10	2010-11
No. of 11kv feeders	677	718	737	781
No of feeder tripping at 11kv (Due to faults)	5111	5816	4984	4242
Total duration of feeders tripping In Hours.	47755	8724	8656	10555
Interruptions per feeder (in hours)	9.34	1.5	1.74	2.49
Total capacity of DTs (MVA)	3233	3478	3771	4160
DT failure (MVA)	53.38	44.74	58.25	45.59
DT failure rate (%) W.R.T. Installed capacity	1.65	1.29	1.54	1.10

TPDDL further plans to bring down the distribution transformer failure rate to 0.90 % and interruption per 11 kv feeders to 30 minutes per feeder as per the schedule given below:

Table 6.2

Particulars	2012-13	2013-14	2014-15
Interruptions per feeder (in hours)	1.5	1.2	0.5
DT failure rate (%) w.r.t. Installed capacity	1.00	0.95	0.90





## 6.2 FREQUENCY VARIATIONS:

The TPDDL shall maintain the supply frequency as per the Indian Electricity Grid Code (the present values being between 49.0 and 50.5 Hz), as amended from time to time.

## 6.3 VOLTAGE UNBALANCE:

The TPDDL shall ensure that the voltage unbalance does not exceed 3% at the point of commencement of supply.



