

Submission of additional information related to queries on the Multi Year Tariff (MYT) Petition for the Control Period FY 2007-08, FY 2008-09 and FY 2009-10

I. Capital Expenditure & Depreciation

1. *The Capital expenditure as shown in Table 10 in page 33 does not include the capital portion of Re-instatement charges. The revised capital expenditure including portion of Re-instatement charges (capital portion) is required to be submitted.*

Reply:

BEST has submitted its projection for Capital expenditure for FY 2007-08, FY 2008-09 & FY 2009-10 in the MYT petition. The expenses shown under Capital expenditure exclude the Re-instatement (R.I.) charges payable to MCGM, these expenses were shown under the head Repairs & maintenance (R&M) expenditure instead it should have been booked under the head Capital Expenditure.

BEST has undertaken an exercise for segregation of the R.I. charges for capital jobs / schemes and R&M purpose such as fault repairs. The revised capital expenditure plan for all the three years is given in Annexure-A, attached herewith.

2. *The break up of capital expenditure in relation to “Up-gradation and Strengthening of sub-transmission and distribution network” is required to be given for each year from FY 2007-08 to FY 2009-10.*

Reply:

BEST has planned major investments in strengthening its distribution system. The projects as envisaged in the Capital expansion plan shall help in meeting all the demand growth and ensure reliability of supply required for a metropolitan city projected during the period FY 2007-08 to FY 2009-10.

A break up of investments proposed to be undertaken in these years is given as Annexure-B.

3. In respect of Depreciation given in FORM 4, the depreciation in respect of additions during the each of the years 2007-08, 2008-09 and 2009-10 is required to be given separately for every asset in the addition list.

Reply:

The brief details of the depreciation for the three years is as given at Annexure-C

II. **Repairs & Maintenance**

4. The R&M expenditure shown in table 9 in page 30 includes the whole of Re-instatement charges. The revised R&M expenses including portion of Re-instatement charges (revenue portion) is required to be submitted.

Reply:

BEST has submitted its projection for Repairs and Maintenance expenses for FY 2007-08, FY 2008-09 & FY 2009-10 in the MYT petition. The expenses shown under R&M expenditure include the Re-instatement (R.I.) charges payable to MCGM.

BEST has undertaken an exercise for segregation of the R.I. charges for capital jobs / schemes and R&M purpose such as fault repairs. The revised R&M expense for all the three years covering only the R & M activities such as fault repairs is as given below :

Particulars	2007-08 (projected) Rs. (Crores)	2008-09 (projected) Rs. (Crores)	2009-10 (projected) Rs. (Crores)
Buildings	2.75	2.90	3.05
Re instatement Charges (cable laying charges payable to MCGM)	1.63	2.93	4.42
Furniture & Fixtures	0.50	0.53	0.56
Telephone rentals, repairs, etc	0.85	0.89	0.94
Total Expenses	5.73	7.25	8.97

5. *Why re-instatement charges as shown in Table 9 in page 30 are being incurred in huge amounts when the number of meters added every year from 2007-08 to 2009-10 is assumed at 2% only?*

Reply:

BEST informs that the R.I. charges payable to MCGM relate to the following two activities

- Cable laying in case of Capital expansion activities
- Cable laying as part of R&M exercise

Capital expansion activity and the R&M activity relate to expansion of the distribution network and also to system strengthening exercise undertaken by the utility from time to time.

As mentioned above, RI charges pertained to cable laying excavations for capital schemes. In our area of distribution, it is a case of vertical growth and the growth in the consumption and demand is corresponding to increase in number of consumers but often relates to the increase in load demand and consumption by the existing consumers. Therefore, the increase in load demand and consumption, it is necessarily reflected in the corresponding rise in number of meters. It would therefore, may be inappropriate to relate the increased in RI charges with increase in meters.

III. **Bad Debts**

6. *The details of bad debts have been given in Para 4.10 in page number 42. The party wise break up for each year along with the period for which the amount is outstanding and specific actions taken in relation to each of these customers is required to be given.*

Reply:

BEST would like to inform that BEST has projected bad debts write off amount of Rs. 6.9 crores in its ARR & Tariff Petition submitted to the Commission. For the control period BEST has projected write off amounts as given below :-

Particulars	F.Y. 2006-07	F.Y. 2007-08	F.Y. 2008-09	F.Y. 2009-10
Bad-debts write off projected (in Rs. Crore)	6.19	7.91	8.25	5.41

The year-wise break up of the bad debts for the period 1994-95 to 1997-98 which is proposed to be written off in the financial year 2006-07 is given below :-

YEAR WISE DETAILS OF BAD DEBTS OF CONSUMERS DEPARTMENT 1994-95 TO 1997-98					
Sr.No.	O/S year	No.of cases	Amount of Bad Debts	Cases where Bad Debts is Rs.1 Lac or above	
				No. of cases	Amount
1	1994-95	2507	8779969.05	10	1872243.72
2	1995-96	3760	10607080.39	12	1808705.43
3	1996-97	3442	12796750.27	11	2380874.04
4	1997-98	3394	29773124.05	33	6495992.22
	TOTAL	13103	61956923.76	66	12557815.41

For these defaulters, the supply was disconnected and meters were removed. We have an exhaustive list of defaulters maintained manually in registers. Efforts have been made to recover the amount from defaulting consumers whose whereabouts are known through official letters, visits / inspections by our staff / officers under Section 56(II) of the Electricity Act 2003 no sum due from the consumers can be recovered unless it is continuously appearing in the bills and as such these amounts have become bad debts. However, these amounts would be recovered either in part or in full as and when the defaulting consumers come for the reconnections as per the provisions of the prevailing law.

7. *The details of provision for bad debts as at 30th September 2006, if any, is required to be given party wise along with the period for which the amount is due.*

Reply:

BEST informs that it has projected bad debts based on the average percentage of the bad debts to the total earning pertaining to the year 1994-1998. The details of the calculations are given as follows :-

PART – I

YEAR	BAD DEBTS AMT.	PERCENTAGE AGAINST TOTAL EARNINGS	Average %
1994-95	87,79,969.05	0.11457	0.1595
1995-96	1,06,07,080.39	0.1209	
1996-97	1,27,96,750.27	0.1343	
1997-98	2,97,73,124.05	0.2685	
TOTAL	6,19,56,923.76	0.6382	

Average % of Bad Debts = 0.1595

PART – II

YEAR	TO BE WRITTEN OFF IN THE YEAR	EARNINGS	AVERAGE %	PROJECTED BAD DEBTS AMOUNT Rs.(crores)	Remarks
1998-99	2007-08	12167492094	0.2658	32338456.75	Based on figures available with us.
1999-00	2007-08	14382885762	0.1401	20161647.91	
2000-01	2007-08	16711062475	0.1595	26654144.00	Based on projected figures.
	TOTAL			7.91	

YEAR	TO BE WRITTEN OFF IN THE YEAR	TOTAL YEARLY EARNINGS	AVERAGE %	PROJECTED BAD DEBTS AMOUNT Rs.(crores)	Remarks
2001-02	2008-09	16294404891.61	0.1595	25989575.00	Based on projected figures.
2002-03	2008-09	17650323706.54	0.1595	28152266.00	
2003-04	2008-09	17786140012.78	0.1595	28368893.00	
	TOTAL			8.25	

YEAR	TO BE WRITTEN OFF IN THE YEAR	TOTAL YEARLY EARNINGS	AVERAGE %	PROJECTED BAD DEBTS AMOUNT Rs.(crores)	Remarks
2004-05	2009-10	16849797169.02	0.1595	26875426.48	Based on projected figures.
2005-06	2009-10	17129702543.18	0.1595	27321874.00	
	TOTAL			5.41	

As may be kindly seen from the above that the projected bad debts are projections based on the previous trends of the bad debts. However, efforts would be made by the Undertaking to reduce the same by the actions enumerated above.

IV. **Non-Tariff income**

8. *Table 22 in page number 50 gives the break up of non tariff income. The income has been projected without considering the inflation factor. Please provide the reason for not considering the inflation factor.*

Reply:

BEST informs that considering the components of non-tariff income, it is an uncontrollable factor and any income to be attained cannot be projected.

BEST informs that the non-tariff income shall primarily accrue under the following heads:

- Customer charges / contract charges: these charges are the revenues accrued by BEST from MCGM for maintenance of Street lighting poles. The charges are mutually agreed MCGM & BEST and we do not envisage any upward revision of charges under this head. Hence, the income under this head has been projected at a constant income of Rs. 17.33 crores for the period FY 2007-08, 2008-09 & 2009-10
- Sales service – Electricity duty collection charges: These are charges towards Electricity duty collected on behalf of Government of Maharashtra (GoM). The Electricity duty is decided by GoM and any changes in the charges can be undertaken only when a G.R. is issued by GoM. Hence, BEST has not projected any increase in collection of these charges and is projected at a constant income of Rs. 0.05 crore for all the three years.
- Sales Service – other receipts: These mainly consist of following delayed payment charges (DPC), reconnection charges, cut-out charges, service call charges, checking, testing and installation of meters. The charges for these services are prescribed under the Schedule of miscellaneous charges issued by the Hon'ble Commission. BEST does not envisage any changes in these charges, hence the income under this head is projected at a constant value of Rs 2.50 crore for all the three years.

- Miscellaneous (rent of buildings, advt. receipts, etc.): the revenue accrued from this head is attained on a case-to-case basis and are usually constant for a fixed tenure of time. Hence, BEST has not projected any increase in revenue under this head and has projected a constant income of Rs. 20.17 crore for all the three years.
- Share of G.A. receipts: This consists of share of General Administration Receipts wherein interest on deposit and investment, sale of scrap material (net) rent of building and land, apprentice premium received from the Government etc. Hence, BEST has not projected any increase in revenue under this head and has projected a constant income of Rs. 6.14 crore for all the three years.

As may be kindly seen from the above, the non-tariff income is likely to accrue would dependant upon the actions / policies of the Municipal, Government and Regulatory Authorities and influence of inflation may depend upon this policy. However, we would be abide by the Commission's decision in this matter.

9. *What is the basis on which the income as projected in Table 22 in page number 50, in respect of non tariff income has been arrived at?*

Reply:

BEST informs that non-tariff income is an uncontrollable factor and any income to be attained cannot be projected. BEST has only projected the non-tariff income on conservative basis.

V. **Loans**

10. *The details of loan as given in the FORM 5.1 shows new loans from Canara Bank. Has an agreement been entered with Canara Bank in respect of loans to be borrowed for each of the 3 years? If yes, then a copy of the agreement having the terms and conditions of the loan is required to be provided.*

Reply:

BEST informs that the financing plan as indicated in the MYT petition is a scenario projection for undertaking various financing options. BEST has not entered into any agreement with Canara Bank in respect of any loans to be availed during FY 2007-8,

2008-09 & 2009-10. However, the Undertaking has already entered into an agreement with Canara Bank in respect of loan which is raised during F.Y. 2006-07. Since this loan is raised against APDRP Capital Expenditure which was already incurred in the financial year 2003-04 to 2005-06 from the working capital of the Undertaking, the amount received during F.Y. 2006-07 is treated as reimbursement towards the Capital Expenditure. The copy of the Agreement is enclosed herewith for ready reference as Annexure D. Under this loan two years is moratorium period and total repayment load period is 10 years. Regarding Table No. 16, 17 and 18 i.e. loan movements for the years 2007-08 to 2009-10, it is required to be mentioned that the load will be raised from the Financial Institutions / Banks and not from the Canara Bank.

11. *Table 16, 17 and 18 shows loan movements for the years 2007-08 to 2009-10. In respect of loan, the borrowing is done at the beginning of each year. When is the loan repayment made?*

Reply:

BEST informs that the financing plan as indicated in the MYT petition envisages that the loans shall be availed from the banks / financial institutions at the start of the each of the financial year. BEST has projected that the loan shall have a moratorium of two years hence the repayment instalments for any loans availed during these years shall happen after two years of availing these loans.

VI. **Cash Flow Statement**

12. *Projected cash flow statements for the years 2006-07 to 2009-10 is required to be given.*

Reply:

BEST informs that the cash flow statement for the years 2006-07 to 2009-10 is given in Annexure – E.

VII. **Employee Expenses**

13. *Whether a man-power plan has been formulated to reduce man power expenditure and whether any additional measures have been taken to reduce the employee costs? Whether manpower requirement study has been conducted by BEST as directed by the Commission?*

Reply:

BEST informs that BEST being a 100 year old organisation in the business of electricity distribution. It has people who undertake various activities related to its core and non-core business.

BEST has initiated a process of identification of its personnel under core and non-core business. The details of the same are as given below:

Particulars	Technical + Administration	Ancillary	Total
No. of personnel under Distribution Business	4798	1145	5943
No. of personnel under non-core businesses	1490	355	1845

BEST humbly informs that it is in the process of appointing a consultant to undertake manpower requirement study.

VIII. **Sales / Revenue**

14. *Form 12 gives the break up of expected revenue at existing tariff for the years 2006-07 to 2009-10. The number of consumers for all the categories is required to be given in the FORM.*

Reply:

The number of consumers for each category of tariffs for all the three years is given in Annexure-F

15. The sale (in units) given in the FORM 12 is as per the Tariff mentioned in the Supplementary Order dated 26th September 2006. The sales projections have been made as per the said Tariff Order. The actual sale (in units) for the years 2001-02 to 2006-07 is required to be given in respect of all the consumer categories (including sub-categories) as per the Tariff structure mentioned in the Supplementary Order dated 26th September 2006.

Reply:

The energy consumption units formatted as per the tariff categories mentioned in Supplementary Order dated 26th September 2006 is given at Form-10 of the MYT petition. BEST humbly informs the Hon'ble Commission that for the years F.Y. 2001-02 till 30th September -2006 BEST has billed its consumers as per the Tariff structure issued in August 1997 and the data regarding energy consumption of its consumers has been recorded as per the old tariff categories. Hence, the information provided at Form-10 is formatted information of energy consumption data and it may not exactly match with the actuals for all these years.

16. With respect to the Category HTP -5 Defence Bulk consumption the sales for Defence Residential consumption and that for Defence Bulk Consumption for downstream commercial consumption needs to be segregated and shown separately as the tariff for these two is expected to be separate. This shown separately for all the years.

Reply:

The Segregation of HTP-5 category for the three years is given below based on actuals attained for FY 2005-06

Financial year	HTP-5 consumption in MUs	HTP-5 Residential (in MUS) at 34.73%	HTP-5 others (in MUS) at 65.27%
2005-06 (actual)	119.34	41.45	77.89
2007-08	118.48	41.15	77.33
2008-09	135.46	47.05	88.41
2009-10	159.01	55.22	103.79

IX. **Power purchase**

17. *What is the status of long term power purchase plan for purchase of power?*

Reply

BEST would like to inform that it would make endeavour to adopt a holistic power purchase plan to meet its peak demand requirements. The Undertaking envisages a separate plan for short to medium term, long term and also for procurement under RPO through a competitive bidding route as per the guidelines of Ministry of Power, Government of India. The BEST is in the process of appointing a consultant for carrying out the study on procurement strategy bid process management.

18. *In respect of rebate due to Hydro peaking Tariff, in the power purchase cost as shown in page 20, inflation factor has not been considered. The reason for not considering the inflation is required to be given.*

Reply

BEST would like to inform that the hydro peaking Tariff in Power Purchase cost as shown in page 20 does not include any inflation factor because hydel generation depends on uncontrollable factors like monsoon and seasonal changes and can not be accurately forecast.

Draft reply for approval, please.

AGM(ES)

DCEMERC

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List of annexures

Annexure - A	The revised Capital expansion plan for FY 2007-08, 2008-09 & 2009-10
Annexure-B	Brief details of proposed investments to be undertaken from FY 2007-08, 2008-09 & 2009-10
Annexure-C	Brief details of depreciation for FY 2007-08, 2008-09 & 2009-10
Annexure-D	Loan agreement between BEST Undertaking and Canara Bank
Annexure-E	Cash flow statement
Annexure-F	Number of consumers

**Annexure – A : The revised Capital
expansion plan for FY 2007-08,
2008-09 & 2009-10**

**Annexure-B : Brief details of proposed
investments to be undertaken from
FY 2007-08, 2008-09 & 2009-10**

**Annexure-C : Brief details of depreciation
for FY 2007-08, 2008-09 & 2009-10**

**Annexure-D : Loan agreement between
BEST Undertaking and Canara Bank**

Annexure-F : Number of consumers

Annexure-E : Cash flow statement

The following are some of the data gaps identified in the Multi Year Tariff (MYT) Petition for the Control Period FY 2007-08, FY 2008-09 and , FY 2009-10 submitted vide letter dated 11.12.2006:

I. Capital Expenditure & Depreciation

19. The Capital expenditure as shown in Table 10 in page 33 does not include the capital portion of Re-instatement charges. The revised capital expenditure including portion of Re-instatement charges (capital portion) is required to be submitted.
20. The break up of capital expenditure in relation to “Up-gradation and Strengthening of sub-transmission and distribution network” is required to be given for each year from FY 2007-08 to FY 2009-10.
21. In respect of Depreciation given in FORM 4, the depreciation in respect of additions during the each of the years 2007-08, 2008-09 and 2009-10 is required to be given separately for every asset in the addition list.

II. Repairs & Maintenance

22. The R&M expenditure shown in table 9 in page 30 includes the whole of Re-instatement charges. The revised R&M expenses including portion of Re-instatement charges (revenue portion) is required to be submitted.
23. Why re-instatement charges as shown in Table 9 in page 30 are being incurred in huge amounts when the number of meters added every year from 2007-08 to 2009-10 is assumed at 2% only?

III. Bad Debts

24. The details of bad debts have been given in Para 4.10 in page number 42. The party wise break up for each year along with the period for which the amount is outstanding and specific actions taken in relation to each of these customers is required to be given.
25. The details of provision for bad debts as at 30th September 2006, if any, is required to be given party wise along with the period for which the amount is due.

IV. Non-Tariff income

26. Table 22 in page number 50 gives the break up of non tariff income. The income has been projected without considering the inflation factor. Please provide the reason for not considering the inflation factor.
27. What is the basis on which the income as projected in Table 22 in page number 50, in respect of non tariff income has been arrived at?

V. Loans

28. The details of loan as given in the FORM 5.1 shows new loans from Canara Bank. Has an agreement been entered with Canara Bank in respect of loans to be borrowed for each of the 3 years? If yes, then a copy of the agreement having the terms and conditions of the loan is required to be provided.
29. Table 16, 17 and 18 shows loan movements for the years 2007-08 to 2009-10. In respect of loan, the borrowing is done at the beginning of each year. When is the loan repayment made?

VI. **Cash Flow Statement**

30. Projected cash flow statements for the years 2006-07 to 2009-10 is required to be given.

VII. **Employee Expenses**

31. Whether a man-power plan has been formulated to reduce man power expenditure and whether any additional measures have been taken to reduce the employee costs? Whether manpower requirement study has been conducted by BEST as directed by the Commission?

VIII. **Sales / Revenue**

32. Form 12 gives the break up of expected revenue at existing tariff for the years 2006-07 to 2009-10. The number of consumers for all the categories is required to be given in the FORM.
33. The sale (in units) given in the FORM 12 is as per the Tariff mentioned in the Supplementary Order dated 26th September 2006. The sales projections have been made as per the said Tariff Order. The actual sale (in units) for the years 2001-02 to 2006-07 is required to be given in respect of all the consumer categories (including sub-categories) as per the Tariff structure mentioned in the Supplementary Order dated 26th September 2006.
34. With respect to the Category HTP -5 Defence Bulk consumption the sales for Defence Residential consumption and that for Defence Bulk Consumption for downstream commercial consumption needs to be segregated and shown separately as the tariff for these two is expected to be separate. This shown separately for all the years.

IX. **Power purchase**

35. What is the status of long term power purchase plan for purchase of power?
36. In respect of rebate due to Hydro peaking Tariff, in the power purchase cost as shown in page 20, inflation factor has not been considered. The reason for not considering the inflation is required to be given.

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**ANNEXURE
- A
(all figures in Rs. Crore)**

Sectoral Outlay	FY 2007-08		FY 2008-09		FY 2009-10	
	As submitted in the MYT petition	Revised Capex	As submitted in the MYT petition	Revised Capex	As submitted in the MYT petition	Revised Capex
Extension to existing 22kv substations. New 22kv/ 33kv up gradations.	37.35	39.74	50.76	53.27	51.35	53.87
110kv RSS at Wadala truck terminus	-	-	-		5.00	5.00
6.6kv/ 11kv substations, extensions and alterations to existing substations and sites for new substations	56.37	56.37	56.1	56.1	56.10	56.10
Laying of High Voltage and Low Voltage cables, service cables and street lighting cables	34.5	56.82	34.6	56.92	34.71	57.03
Purchase of Street Lighting Lamps	1.71	1.71	1.88	1.88	2.07	2.07
Electronic meters and Test Benches	119.51	119.51	81.3	81.3	74.86	74.86
Remote control of receiving substations communication network, additions and extensions, installation and commissioning of ripple control	2.4	2.4	17.5	17.5	17.50	17.50
Computerisation, digitisation and TSP	3.43	3.43	0.4	0.4	0.10	0.10
Generating Station	15	15	5	5	-	-
Furniture and office equipment, Tools & Equipments etc	5.8	5.8	1.67	1.67	5.80	5.80
Civil Engineering Works	1.33	1.33	0.84	0.84	1.33	1.33
Motor Vehicles	6.67	6.67	2.58	2.58	6.67	6.67
Sub Total	284.07	308.78	252.63	277.46	255.49	280.33
Share of General Administration	1.78	1.78	0.8	0.8	0.76	0.76
Grand Total	285.85	310.56	253.43	278.26	256.25	281.09

ANNEXURE - F

NO. OF CONSUMERS STATEMENT

	FY 2006-07			FY 2007-08			FY 2008-09			FY 2009-10		
	No of consumers (single phase)	No of consumers (three phase)	Total number of consumers	No of consumers (single phase)	No of consumers (three phase)	Total number of consumers	No of consumers (single phase)	No of consumers (three phase)	Total number of consumers	No of consumers (single phase)	No of consumers (three phase)	Total number of consumers
BPL												
LF-1												
0-100	251947	10687	262634	256986	10901	267887	262126	11119	273244	267368	11341	278709
100 - 300	314075	17504	331579	320357	17854	338211	326764	18211	344975	333299	18575	351874
> 300	50246	42147	92393	51251	42990	94241	52276	43850	96126	53321	44727	98048
LF-2												
0-300			177042			181433			185932			190543
301-1000			41800			42837			43899			44988
>1000			19709			20198			20699			21212
LTC-1			141			142			144			145
C(D)			433			420			407			395
LTP-1												
0-300		8695	8754			8884			9076			9273
301-1000		3795	3951			3877			3961			4047
>1000		2807	2779			2868			2930			2994

LTP-2			11			9			8			7
SL			334			344			354			365
E (electric crematorium)			11			11			11			11
T (Temporary)			703			724			746			768
TS®			0			0			0			0
Sub total (LT Category)			942274			962084.9			982512.98			1003381
HTP-1			1			1			1			1
HTP - 2			5			5			5			5
HTP - 3			67			67			67			67
HTP - 4			31			31			31			31
HTP - 5			14			14			14			14
Sub total (HT category)			118			118			118			118
Total			942392			962202.9			982630.98			1003499

CASH FLOW STATEMENT

ANNEXURE - E

Particulars	2006-07	2007-08	2008-09	2009-10
Revenue:				
Revenue income	2103.86	2253.43	2509.09	2784.66
nontariff income	82.7	46.21	46.21	46.21
<i>Total income (A)</i>	<i>2186.56</i>	<i>2299.64</i>	<i>2555.3</i>	<i>2830.87</i>
Expenditures:				
Power Purchase	1687.14	1585.77	1774.73	1988.65
Operation and Maintenance expenses	293.44	283.14	296.34	314.37
Depreciation	44.68	54.22	66.83	78.42
Interest on long-term loan capital	6.01	19.31	26.12	32.54
Interest on consumer Security deposit	11.7	11.7	11.7	11.7
Bad debt written-off	6.19	7.91	8.25	5.41
Rent charges paid to transport division	26.45	27.87	29.37	30.94
Transmission charges to MSETCL		115.31	125.17	136.19
Stand-by charges payable to MSEDCL		131.22	142.44	154.98
<i>Total Expenditure (B)</i>	<i>2075.61</i>	<i>2236.45</i>	<i>2480.95</i>	<i>2753.2</i>
<i>Revenue Surplus (C = A - B)</i>	<i>110.95</i>	<i>63.19</i>	<i>74.35</i>	<i>77.67</i>
<i>Add: Non Cash Expenditures</i>				
Depreciation	44.68	54.22	66.83	78.42
Bad debt written off	6.19	7.91	8.25	5.41
Gross cash Accruals	161.82	125.32	149.43	161.5
Sources of Funds	2006-07	2007-08	2008-09	2009-10
Gross Cash Accruals	161.82	125.32	149.43	161.5
Increase in Equity	0	0	0	0
Additions in Term Loans	60	100	80	80
Increase in Consumer Deposits	3.18	3.18	3.18	3.18
Increase In Grants	0	0	0	0
Increase in Bank Borrowing	0	0	0	0
<i>Total Sources of Funds</i>	<i>225</i>	<i>228.5</i>	<i>232.61</i>	<i>244.68</i>
Application of Funds				

Capital Expenditure	171.06	285.84	253.23	256.24
Increase in Working Capital	0	0	0	0
Repayment of Loans	7.26	5.96	7.00	21.91
<i>Total Application of Funds</i>	<i>178.32</i>	<i>291.8</i>	<i>260.23</i>	<i>278.15</i>
Opening Cash Balance	162.29	208.97	145.67	118.05
Surplus / (Deficit)	46.68	-63.3	-27.62	-33.47
Closing Cash Balance	208.97	145.67	118.05	84.58

Note;

Revenue income has been projected on the revised tariff submitted in the MYT petition

Annexure B

Project scheme cost for 08-09 and 09-10

Sr. No.	Equipment Description	Scheme Cost in Rs	Year 2008-09		Year 2009-10	
			Qty	Cost	Qty	Cost
1	22/11 kV, 10 MVA Power Transformer (Old)	754545	1	754545	0	0
2	33/11 kV, 16 MVA Power Transformer (New)	14226695	4	56906780	5	71133475
3	33 kV, 1500 MVA Switchgear	958955	8	7671638	5	4794773.8
4	11kV ,350 MVA Switchgear Set	3519395	5	17596975	4	14077580
5	Control ,alarm and Relay Panel	951846	10	9518460	10	9518460
6	300 Sq. mm /3C ,33 kV (PILC/XLPE Cu/Al) EHV Cable per Km	8400000	14	120288000	14	120288000
7	Capacitor & Reactor	1143000	3	3429000	2	2286000
8	Battery Charger	395000	2	790000	2	790000
9	Battery sets	251000	7	1757000	7	1757000
10	Automatic Fire Fighting System	2000000	3	6000000	3	6000000
	Sub Total			224712398		230645289
11	New RSS for Textile Mill Land with 2 power TR	154000000	1	154000000	1	154000000
12	New RSS for Dharavi Makeover with 2 Power TR	154000000	1	154000000	1	154000000
	Total			532712398		538645289

BREAKUP OF DEPRECIATION FOR THE YEAR 2007-08				ANNEXURE - C	
Assets wise Position		Dep. Rate	Depre. Prov for the year	Depre. On Opening Assets	
Plant and Machinery					
Transformer	42.58	3.60	1.53		
Switchgear	36.10	3.60	1.30		
Electronic Equipment		7.50	0.36		
Batteries	0.05	18.00	0.01		
Capacitors	1.27	9.00	0.11		21.68
Scada	2.40	7.50	0.18		0.18
Generation	15.00	3.60	0.54		0.54
Cables & Mains	72.63	2.57	1.87		10.20
Meters	119.50	6.00	7.17		14.21
Street lighting	1.71	6.00	0.10		2.09
Included in Plant & Machinery	0.00				
Tools and equipment		7.50			0.44
Computers & Office Equip.	3.43	6.00	0.21		0.21
A/C	5.80	5.00	0.29		0.29
Land	0.08	18.00	0.46		0.77
Building	0.00				0.00
Building	3.94	1.80	0.07		0.81
Motor Vehicles	6.67	1.55	0.10		0.73
Share of GA	1.78				
	312.94		14.31		52.14

Comparision of Existing Tariff with MERC issued tariff (slabwise)

	Existing Tariff				MERC issued tariff dt 01-10-2006					Incr/Decr. %		
	Code	Slab	Rate	Dmd/Fixed Chgs.	Code	Slab	Rate w/o M'tax	Dmd/Fixed Chgs.	Rate	Dmd/Fixed Chgs.		
RESIDENTIAL					BPL	0-30	40	3				
	R	0 - 100	75	Nil	LF 1	0 - 100	75	10	0.00	100.00		
		100 - 150	75	Nil		101 - 150	200	10/100	166.67	100.00		
		151 - 300	225	Nil		151 - 300	200	10/100	-11.11	100.00		
		> 300	325	Nil		> 300	360	50/100	10.77	100.00		
	S	0 - 100	140	Nil		0 - 100	75	10	-46.43	100.00		
		100 - 150	140	Nil		101 - 150	200	10/99	42.86	101.00		
		> 150	225	Nil		151 - 300	200	10/100	-11.11	100.00		
		> 150	225	Nil		> 300	360	50/100	60.00	100.00		
	SN	0 - 100	140	Nil		0 - 100	75	10	-46.43	100.00		
		100 - 150	140	Nil		101 - 150	200	10/99	42.86	100.00		
		151 - 300	225	Nil		151 - 300	200	10/100	-11.11	100.00		
		> 300	350	Nil		> 300	360	50/100	2.86	100.00		
	COMMERCIAL	C1	0 - 300	400		Nil	LF 2	0 - 300	350	150	-12.50	100.00
			301 - 500	500		Nil		301 - 500	500		0.00	
			> 500	600		Nil		501 - 1000	500		-16.67	
> 500			600	Nil		> 1000		590		-1.67		
H		0 - 150	300	Nil	0 - 300	350		150	16.67	100.00		
		151 - 500	400	Nil	301 - 500	500			25.00			
		> 500	500	Nil	501 - 1000	500			0.00			
		> 500	500	Nil	> 1000	590			18.00			
C2		ALL UNITS	475	Nil	0 - 300	350		150	-26.32	100.00		
					301 - 1000	500			5.26			
					> 1000	590			24.21			
COMMERCIAL	CD	ALL UNITS	800	Nil	CD	ALL UNITS	1100	200	37.50	100.00		
COMMERCIAL	RC (LV)	ALL UNITS	350	350	LTC 1	ALL UNITS	390	300	11.43	-14.29		
INDUSTRIAL	GP1	0 - 150	325	Nil	LTP	0 - 150	270	300	-16.92	100.00		

		151 - 300	400	Nil	1	151 - 300	270		-32.50	
		301 - 500	400	Nil		301 - 500	340		-15.00	
		> 500	525	Nil		501 - 1000	340		-35.24	
		> 500	525	Nil		> 1000	510		-2.86	
	GP2	ALL UNITS	400	Nil		0 - 300	270	300	-32.50	100.00
						301 - 1000	340		-15.00	
						> 1000	510		27.50	
INDUSTRIAL	IND (LV)	ALL UNITS	310	310	LTP 2	ALL UNITS	330	300	6.45	-3.23
HT Supply	S(HV)	ALL UNITS	160	Nil	HTP 1	ALL UNITS	180	300	12.50	100.00
	H(HV)	ALL UNITS	350	Nil	HTP 2	ALL UNITS	350	300	0.00	100.00
	RC (HV)	ALL UNITS	310	310	HTP 3	ALL UNITS	330	300	6.45	-3.23
	IND (HV)	ALL UNITS	197	170	HTP 4	ALL UNITS	225	300	14.21	76.47
	R(HV)	ALL UNITS	195	Nil	HTP 5	ALL UNITS	200	100	2.56	100.00
OTHERS	SL	ALL UNITS	270	Nil	SL	ALL UNITS	320	300	18.52	100.00
	TS	ALL UNITS	700	300	T	ALL UNITS	850	250	21.43	-16.67
	SB	ALL UNITS	700	75		ALL UNITS	850	250	21.43	233.33
	TSR	ALL UNITS	140	200	TSR	ALL UNITS	170	200	21.43	0.00
	E	ALL UNITS	80	Nil	E	ALL UNITS	160	100	100.00	100.00

Per unit rate is in paise

Per KVA rate is in Rs

DETAILS OF BUDGET 2006-07(REVISED) & 2007-08(PROPOSED)

DEPARTMENT : PROJECT (SUPPLY)

1) EXTENSION & ALTERATIONS TO EXISTING RECEIVING SUBSTATIONS (BUDGET PAGE NO. 47/1)

ANNEXURE - B

SR NO	Particulars (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual* 2005-2006 Rs. In Lacs	Actual Work Done 2005-2006	Budget Estimates 2005-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work
1	2	3	4	5	6	7	8	9	10	11	12
I) DEVELOPMENTAL											
1)	Provision for replacement of control and relay panels with integrated control relay panels having micro-processor based relays.	91.56	Kussara-1, Esplanade-3 Malabar Hill-3, Mahim -2 , Apollo -2 , Mumbadevi-1 Total-12 nos.	55.98	Kussara-1, Esplanade-3 Apollo -1, Hutatma-1 Total-6nos.	91.56	Byculla-3, Hutatma Chowk-3 Worli-3, Mahalaxmi-3, Total-12nos.	90.00	Hutatma Chowk-2, Apollo-1 Mumbadevi-1, Malabar Hill-3, Mahim-2 Total-9 nos.	0.00	Nil
2)	Provision for replacement of Automatic fire fighting equipment at existing Receiving Substations	84.50	Nepeansea, Apollo, Grant Rd Cumbala Hill (repairing), Dharavi, Kussara Total -6 nos.	60.71	Apollo, Grant Rd, Cumbala Hill (repairing), Dharavi, Kussara Total -5 nos.	120.00	Mahalaxmi, Parel, Ballard Estate, Worli , Kingsway & Esplanade Total -6 nos.	6.70	Nepeansea-1	132.00	Mahalaxmi, Parel, Ballard Estate, Worli , Kingsway & Esplanade Total-8 nos.
3)	Provision for Additional Transformer at the existing Receiving Substations	30.20	KEM-1, Wadala-1, Love Grove-1 & Sewree -1 Total -4 nos.	22.65	Wadala-1(Inst.), PMGP 501-1 Sewree -1 (inst.), Total -3nos.	150.64	Navy Nagar -1, PMGP- 1 Total -2	16.60	KEM-1, Love Grove-1, Total -2 nos.	316.00	Nair hospital-1 , Sitladevi - 1, Total -2 nos.
4)	Provision for Additional 33 kV Sw/GRs and Control Relay panels at existing Receiving Substations	51.39	33 kV swigr & Control Panel KEM -1, Love Grove-1, Sewree-1, Total -3 nos.	56.49	33 kV swigr & Control Panel Sewree-1, PMGP-501-1, Control Panel Wadala-1, 33kV swigr- KEM-1	51.39	33kV swigr + CP one each at Raoli Hill-1, PMGP-501 -1 Navy Nagar Total -3 nos.	29.50	33kV swigr + CP one each at Love Grove-1 Control Panel KEM-1	21.50	33kV swigr + CP one each at Sitladevi-1
5)	Provision for additional 11 kV SW/GRs at existing Receiving Substations	104.85	Navy Nagar-1, Love Grove-1 KEM Hospital - 1 Total -3 nos.	0.00	Nil	104.85	PMGP-501 -1, Raoli Hill-1 Nair Hospital-1 Total -3 nos.	140.16	Love Grove-1, PMGP -501 -1 KEM Hospital - 1, Nair Hospital -1 Total-4Nos.	0.00	Nil
6)	Provision for 33 kV cable laying for additional Power Transformers at existing Receiving Substations	0.00	Nil	0.00	Nil	521.56	Raoli Hill ,Wadala 7.9 KM (Part Scheme)	200.00	Raoli Hill ,Wadala 4.0 KM (Part Scheme)	300.30	Raoli Hill ,Wadala 3.9 KM (Part Scheme)
7)	Provision for Air Conditioning of control room in view of installation of integrated control panel having microprocessor based relay at existing Receiving Substations	Token 1.00 (10.00)	Ballard Estate ,Colaba, Apollo Mahim C'way , Raoli Hill Total -5 nos.	0.00	Nil	12.00	Kussara, Esplanade, Mumbadevi Malabar Hill , Marine Drive & Nestle Total -6 nos.	Token 2.00	Ballard Estate ,Colaba, Apollo Mahim C'way , Raoli Hill Total -5 nos.(Any one RSS)	8.00	Ballard Estate ,Colaba, Apollo Mahim C'way , Raoli Hill Total -5 nos.
Sub Total											
		363.50		196.83		1052.00		564.95		777.80	
II) NON DEVELOPMENTAL											
8)	Provision for replacement of Transformers at the existing Receiving Substations	91.32	Marine Drive -1no(Repair) Girgaum -1 no Naval Dockyard -1 Total -3 nos.	77.56	Girgaum -1 Naval Dockyard -1 Total -2 nos.	301.28	Esplanade -1 no. Sitladevi- 2 nos... Masjid -1 no. Total -4 nos.	572.00	Esplanade -1 no. Mumbadevi- 1, Marine drive -1 Masjid -1 Total -4 nos.	318.00	Mahalaxmi-1, Worli-1 Total -2 nos.
9)	Provision for replacement of 22KV / out dated 33 kV Swigrs at existing Receiving Substations.	76.00	33 kV swigr: Wadala-2, Marine Drive-3, Worli-3 Total -8 nos.	38.00	33 kV swigr: Wadala-2, Marine Drive-2 Total -4 nos.	76.00	33 kV swigr Byculla -3 Kussara-2 Mahalaxmi-3 Total -8 nos.	95.00	33 kV swigr Mahalaxmi-1, Marine drive-1, Worli-3 Prabhadevi-1, Total -8 nos.	42.00	33 kV swigr: Kussara-2, Mahalaxmi-2 Total -4 nos.
10)	Provision for replacement of 11 kV Swigrs at existing Receiving Substations	244.65	Apollo-1 set Colaba-3 sets Ballard Estate-3 Sets, Total - 7 sets	244.65	Apollo-1 set Colaba-3 sets Ballard Estate-3 Sets, Total - 7 sets	69.90	Sitladevi- 1 Set, Byculla-1 Set, Total-2 sets	105.12	Dharavi-1 set, Byculla-1 set, Sitladevi-1 set Total - 3 sets	0.00	Nil
11)	Laying of 33 kV cables	0.00	Nil	0.00	Nil	92.43	SBM to Worli-1.4 Km	0.00	Nil	107.80	SBM to Worli-1.4 Km
12)	Provision for replacement of 11kV capacitors & reactors at existing Receiving Substations	11.25	Capacitor & Reactor at Kussara (1) Total -Cap.& React. 1 nos.	11.44	Capacitor & Reactor at Kussara-1 Total -Cap.& React. 1 nos.	67.50	Malabar Hill-1, PMGP-2, K.E.M. Hospital-1, Raoli Hill-1 Prabhadevi-1, Total cap.& React. - 8 Nos.	49.50	Capacitor & Reactor at PMGP-2, Raoli Hill-1 Total cap.& React. - 3 Nos.	127.00	Capacitor & Reactor at Malabar Hill-1, Navy Nagar -1, Prabhadevi-1 Nestle-1, Sewree-1, -5Nos. Capacitor at Low growe-1, Parel-1--2Nos. Reactor at Byculla-1, G.T. hospital-1-2Nos.
13)	Provision for replacement of Battery sets at existing Receiving Substations	2.50	G.T. Hospital Total -1 sets	2.54	G.T. Hospital Total -1 sets	15.00	Wadala, Kussara, Worli, KEM Hospital, Esplanade, Nepeansea Total -6 sets	10.00	Wadala, Kussara, Worli, KEM Hospital, Total -4 sets	5.50	Esplanade, Nepeansea Total -2 sets
SUB TOTAL RS IN LACS		426.72		374.19		622.11		831.62		598.30	
TOTAL RS IN LACS		789.22		570.02		1674.11		1396.56		1376.10	

* Actuals expenditure as per Project department

DEPARTMENT -PROJECT (SUPPLY)
2) NEW RECEIVING SUBSTATIONS (BUDGET PAGE NO. 47/2)

Sr/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2005-2007 Rs In Lacs	Proposed Work	Revised Estimates 2005-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1) Provision for 33kV cable laying at Dharavi PMGM Plot 501	0.00	Nil	0.00	Nil	0.00	Nil	0.00	Nil	0.00	Nil	
2) Provision for Tr.swigr & accessories for Dharavi PMGP plot 501	4.50	Battery & Battery charger - 1 no.	4.54	Battery & Battery charger - 1 no.	0.00	Nil	0.00	Nil	0.00	Nil	
3) Provision of civil works at J.J. Hospital RSS	53.50	As given by civil Dept. Civil modification / alternations	0.00	Nil	40.00	As given by civil Dept.	70.00	As given by civil Dept. Civil modification / alternations	18.00	As given by civil Dept.	
4) Provision for Tr.swigr and accessories for J.J. Hospital RSS	0.00	Nil	0.00	Nil	281.90	Tr., 33 kV swigr.& CAPP- 2 nos. Each ,11kV swigr -2 sets, Battery & battery Charger- 1 no. Capacitor & reactor 2 sets	0.00	Nil	328.38	Tr.15MVA-1, 33 kV swigr-2nos.& CAPP-2nos. 11kV swigr -2 sets, Battery & battery Charger- 2 no. Capacitor & reactor 2 sets	
5) Provision for civil works at Pandey Compound RSS	50.00 (110.00)	As given by civil Dept.	37.50	As given by civil Dept.	130.00	As given by civil Dept.	164.00	As given by civil Dept.	78.00	As given by civil Dept.	
6) Provision of 33 kV cable laying at Pandey Compound RSS from SBM 110 KV RSS	528.16	33 kV cable -8 km	214.57	33 kV cable -3.25 kms.	0.00	Nil	332.50	33 kV cable -4.75 kms(balance).	0.00	Nil	
7) Provision for Tr.swigr and accessories for Pandey Compound	0.00	Nil	0.00	Nil	0.00	Nil	0.00	Nil	328.38	Tr.15MVA-1, 33 kV swigr-2nos.& CAPP-2nos. 11kV swigr -2 sets, Battery & battery Charger- 2 sets. Capacitor & reactor- 2 sets	
8) Provision for civil works at Pochkhanwala Rd.RSS	25.00	As given by civil Dept.	0.00	As given by civil Dept.	150.00	As given by civil Dept.	60.00	As given by civil Dept.	100.00	Remaining civil work	
9) Provision of 33 kV cable laying at Pochkhanwala Rd. RSS from TPC Mahalaxmi	250.88	33 kV cable -3.8 km	106.93	33 kV cable -1.65km	0.00	Nil	35.00	33 kV cable -0.5 kms(balance).	0.00	Nil	
10) Provision for Tr.swigr and accessories for Pochkhanwala RSS	0.00	Nil	0.00	Nil	123.75	33 KV SwGr-2,11KV SwGr-2sets CAPP-2,Batt. Chr,Batt, Tr. 2 nos.	0.00	Nil	179.21	Tr.10MVA-1, 33 kV swigr-2nos.& CAPP-2nos. 11kV swigr -2 sets, Battery & battery Charger- 2 no. Capacitor & reactor 2 sets	
11) Provision of 33 kV cable laying at Antop Hill RSS	0.00	Nil	0.00	Nil	780.35	33 Kv cable-11.82 Kms.	350.00	33 Kv cable-5.00 Kms.	525.14	33 Kv cable-6.82 Kms.	
12) Provision of 33 kV cable laying at Bombay Gas, Lalbaug	0.00	Nil	0.00	Nil	145.24	33 Kv cable-2.2 Km	0.00	Nil	169.40	33 Kv cable-2.2 Km	
13) Provision for civil works at Bombay Gas RSS	0.00	Nil	0.00	Nil	30.00	Token Provision	50.00	As given by civil Dept.	65.00	As given by civil Dept.	
14) Provision for Tr.swigr and accessories for Bombay Gas RSS	0.00	Nil	0.00	Nil	0.00	Nil	0.00	Nil	179.21	Tr.10MVA-1, 33 kV swigr-2nos.& CAPP-2nos. 11kV swigr -2 sets, Battery & battery Charger- 2 no. Capacitor & reactor 2 sets	
15) Provision for installation of automatic fire fighting equipments	33.00	Mazgaon Dock & PMGP -501	31.00	Mazgaon Dock & PMGP -501	20.00	J.J. Hospital	0.00	Nil	88.00	J J hospital,Pandey compound, Bombay Gas, Pochkhanwala	
16) Provision for underground RSS Under APDRP Scheme	0.00	Nil	0.00	Nil	0.00	Nil	0.00	Nil	0.00	Nil	
17) Provision for Compact RSS	10.00	Token Provision	0.00	Nil	10.00	Token Provision	10.00	Token Provision	300.00 (900.00)	Part Provision for mini RSS	
TOTAL RS IN LACS	955.04		396.54		1711.16		1071.50		2358.72		

DEPARTMENT -PROJECT (SUPPLY)
3) 110 KV RECEIVING SUBSTATIONS (BACK BAY RECLAMATION ,KHETWADI, SENAPATI BAPAT MARG) (BUDGET PAGE NO. 47/4)

Sr/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2005-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1) Provision for civil works of Senapati Bapat Marg 110 kV RSS (Phase II)	50.00	As given by civil Engg. Dept.	47.02	As given by civil Engg. Dept.	75.00	As given by civil Engg. Dept.	90.00	As given by civil Engg. Dept.	0.00	Nil	
2) Provision for transformers, 33 kV GIS, Control panels etc. for Senapati Bapat Marg 110 kV RSS	0.00	Nil	0.00	Nil	1330.00 893.00 150.00 40.00 10.00	35 kV GIS- 19 nos. 100 MVA Power Transformer with 630 sq.mm cable- 2 nos. Control panel Automatic Fire fighting Battery & Battery charger	800.00 1441.00 340.21 50.00 14.00	35 kV GIS- 19 nos. 100 MVA Power Transformer with 630 sq.mm cable- 2 nos. Control panel & Control cables. Automatic Fire fighting Battery & Battery charger	0.00	Nil	
3) Provision for 145 kV GIS of Senapati Bapat Marg 110 kV RSS	830.00	Provision for Installation of 145 GIS	0.00	Nil	0.00	Nil	817.50	Provision for Installation of 145 GIS	0.00	Nil	
4) Provision for 45 MVA Tr. Alongwith 11 kV BS at BackBay 110 kV RSS	172.52	Balance Payment for 45 MVA Tr. Alongwith 11 kV Bus section& Local SCADA	172.52	Balance payment for 45 MVA Tr. Alongwith 11 kV Bus section& Local SCADA	0.00	Nil	0.00	Nil	0.00	Nil	
TOTAL RS IN LACS	1052.52		219.54		2406.00		3552.71		0.00		

DEPARTMENT : GENERATION CELL
4. GENERATING STATION (BUDGET PAGE NO. 48/10)

SRL/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1) Land for Generating station	15.00	Token provision	0.00	Nil	15.00	Token provision	1500.00	Generation (part provision)	1500.00	Generation (part provision)	
2) Formulation of Project Report											
TOTAL RS IN LACS	15.00		0.00		15.00		1500.00		1500.00		

DEPARTMENT :PROJECT (SUPPLY)
5) REMOTE CONTROL OF RECEIVING SUBSTATIONS/ DISTRIBUTION SUBSTATION (BUDGET PAGE NO. 47/5)

SRL/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1) SCADA system for new and existing Receiving Substations	0.00	Nil	0.00	Nil	50.00 (200.00)	SCADA system for new/existing Receiving Substations (Part provision of Estimate)	0.00	Nil	10.00	Token provision for North zone SCADA and new/existing Receiving Substations	
Distribution Automation for Existing Distribution substation	4.00	Purchasing of Power pack for DA in 20 DSS	1.93	Purchasing of Power pack for DA in 11 DSS	200.00 7.00	Distribution automation in 50 DSS Purchasing of power Pack(39 DSS)	7.00	Purchasing of Power pack for DA in 39 DSS	200.00	Distribution automation in 50 DSS	
	4.00		1.93		257.00		7.00		210.00		

* Actuals expenditure as per Project department

6) COMMUNICATION NETWORK ADDITIONS AND EXTENSION (BUDGET PAGE NO. 47/5)

SRL/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1) Mini Telephone Exchanges	17.00 (16.00+1.00 Token Call center)	Call Centre, New Key Tele. System, hot line for traffic transport, AC at 6 RSS	0.00	Nil	225.00	Call Centre,Replacement of EPABX at Dadar	250.00	Call Centre,Replacement of EPABX at Dadar ,	0.00	Call Centre,Replacement of EPABX at Dadar ,	
	0.00	New Tele.Exch.at Tardeo & Wadala				Purchase of computer & Ac for computer room	42.40	Provision of A/C to 5 RSS for RTU panels, and associated civil work, Wireless communication.	30.25	Provision of A/C to 3 RSS for RTU panels, and associated civil work, Communication network for 50RSS for interlinking SCADA.	
		Upgradation of tel. Ex. At Colaba & Pathakwad for TSP-AOS	0.00	Nil	9.00	computers and fax machines					
	17.00		0.00		234.00		292.40		30.25		

7) COMPUTERISATION (BUDGET PAGE NO. 47/6)

SRL/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1) Digitization (Computer application dept)	200.00	Digitization Project stage I	0.00	Nil	500.00	Digitization Project Stage I	400.00	Digitization Project stage I	300.00	Digitization Project Stage I	
2) Computerization of Commercial Consumers Departments (TSP)	467.25	Purchasing computers for Commercial & Consumers Departments and software	203.03	Part items/quantities of hardwares,system software and other peripherals.	232.74	Purchasing computers for Commercial & Consumers Departments and software	464.23	Application software and balance items, quantities of hardware and software and other peripherals	32.74	Annual technical support(ATS) by M's SDSL for UPS.	
3) Institutional Restructuring and Enterprise Resource Planning (EPR)	0.00	Institutional Restructuring and Enterprise Resource Planning (EPR)	0.00	Nil	0.00 (500.00)	Institutional Restructuring and Enterprise Resource Planning (EPR) (Part provision of Estimate)	200.00 (500.00)	Institutional Restructuring and Enterprise Resource Planning (EPR)	300.00	Institutional Restructuring and Enterprise Resource Planning (EPR) (Part provision of Estimate)	
4) Integration of GIS,CIBS & SCADA under APDRP					10.00	Token Provision	10.00	Token Provision	10.00	Token Provision	
	667.25		203.03		742.74		1074.23		642.74		

* Actuals expenditure as per TSP department

DEPARTMENT :PLANNING (SUPPLY)

8) 11 KV DISTRIBUTION SUBSTATION AND EXTENSION AND ALTERATION TO EXISTING SUBSTATION (BUDGET PAGE NO. 47/3)

SRL/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1) Commissioning of New Distribution Substations (DSS)	1040.80	Commissioning of 55 nos of DSS (Estimate = 1301.00 Lacs)*	623.60	40 nos of DSS	1135.20	Commissioning of 60 nos of DSS (Estimate = 1419.00 Lacs)*	1282.58	Commissioning of 80 nos of DSS (Estimate = 1903 Lacs)*	1486.88	Commissioning of 80 nos of DSS (Estimate = 1833.33 Lacs)*	
2) Replacement of transformers at existing DSS and increasing transformer capacity	779.20	Replacement of 100 nos. of distribution transformers (Estimate = 974.00 Lacs)*	796.68	82 nos of DSS	857.60	Replacement of 100 nos. of distribution transformers (Estimate = 11072.00 Lacs)*	1912.80	Replacement of 150 nos. of distribution transformers (Estimate = 2391.00 Lacs)*	2103.60	Replacement of 150 nos. of distribution transformers (Estimate = 2629.500 Lacs)*	
3) Additions and alterations to existing DSS including switched capacitors	102.40 739.20	Remodeling of DSS 18 nos.(128.0 in 80 DSS 1924.00)*	28.32 773.18	4 nos of DSS 67 nos of DSS	62.40 812.80	Remodeling of DSS 10 nos. (78.00)* Replacement of OCB by VCB in 80 DSS (1016.00)*	147.20 1737.50	Remodeling of DSS 15 nos.(164)* Replacement of OCB by VCB in 150 DSS (2172.00)*	1068.00 1910.40	Remodeling of DSS 10 nos. (135.00)* Replacement of OCB by VCB in 150 DSS (2388)*	
	44.00 13.50	DOT by RMU replacement-10(55, Outdoor Cap.-50 (17.00)*	16.82 3.30	3 no of DSS Outdoor Cap.installed -10 nos.	40.80 14.40	DOT by RMU replacement-10 (61.00)* Outdoor Cap-50 (18.00)*	27.20 0.00	DOT by RMU replacement-5 (34)* Outdoor Cap.-Nil	30.40 0.00	DOT by RMU replacement-5 (36)* Outdoor Cap.Nil	
4) Minor civil works in DSS	19.00	For minor cases -83nos.	18.90	For minor cases -83nos.	20.00	For minor cases -80 nos.	19.20	For minor cases -80nos.	17.50	For minor cases -50 nos.	
	2738.20		2462.60		2951.20		5126.58		5636.78		

* - Figure taken are 80% of Estimates for particular head

* - Figure taken are 80% of Estimates for particular head

DEPARTMENT : PLANNING (SUPPLY)

9) LAYING OF HIGH VOLTAGE AND LOW VOLTAGE CABLES EXTENSIONS AND PILLARS (BUDGET PAGE NO. 48-13)

S/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1 Laying of HV cables	804.80	For Laying of 45 kms of HV cable (1008.00)*	491.92	22 km cable laid	928.00	For Laying of 45 kms of HV cable (1160.00)*	824.40	For Laying of 45 kms of HV cable (1030.5)*	1008.00	For Laying of 50 kms of HV cable (1280.00)*	
2 Laying of LV cables	1368.40	For Laying of 135 kms of LV cable (1708.00)*	796.95	83 km cable laid	1412.00	For Laying of 135 kms of LV cable (1765.00)*	1283.80	For Laying of 135 kms of LV cable (1579.5.00)*	1544.40	For Laying of 150 kms of LV cable (1930.5)*	
3 Installation of New pillars	158.40	For total 300 pillar schemes (198.00)	58.74	89 pillars added	172.80	For total 300 pillar schemes (218.00)*	89.50	For total 200 pillar schemes (112.00)*	99.20	For total 200 pillar schemes (124.00)*	
	2329.60		1347.61		2512.80		2177.60		2651.60		

* Actuals expenditure as per Planning separate* - Figure taken are 80% of Estimates for particular head

* - Figure taken are 80% of Estimates for particular head

DEPARTMENT : STREET LIGHTING

10) STREET LIGHTING CABLES (UNDERGROUND AND OVERHEAD) (BUDGET PAGE NO. 48-15)

S/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1 Laying of street lighting cables	120.82 9.22	For laying of 12 kms of street lighting cables Inst of 9 pillars	118.78 14.34	14.93 kms cable laid 14 pillars installed	132.99	For laying of 12 kms of street lighting cables Inst. of 4 pillars	85.27 4.10	For laying of 12 kms of street lighting cables Inst of 4 pillars	93.80	For laying of 12 kms of street lighting cables Inst. of 4 pillars	
	129.84		131.12		137.20		89.37		96.31		

DEPARTMENT : STREET LIGHTING

11) PURCHASE OF STREET LIGHTING LAMPS (BUDGET PAGE NO. 48-17)

S/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1 Commissioning of New lighting units	155.60	For 450 lighting units	154.40	443 lighting units	171.16	For 450 lighting units	155.82	For 450 lighting units	171.18	For 450 lighting units	
	155.60		154.40		171.16		155.82		171.18		

DEPARTMENT : METERS AND RELAYS (SUPPLY)

12) METERS-METERS INSTALLATIONS (BUDGET PAGE NO. 48-16)

S/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1 Provision of single phase meters	483.35	5/20 SP meters -50000 nos.	252.79	30000 meters purchased	642.85	5/20 SP meters -95000 nos.	300.00	5/20 SP meters -30000 nos.	0.00	Nil	
	125.95	10/40 SP meters- 12800 nos.	0.00	Nil	153.94	10/40 SP meters- 14000 nos	32.00	10/40 SP meters- 3200 nos.	0.00	Nil	
	609.30		252.79		796.80		332.00		0.00		

DEPARTMENT : METERS AND RELAYS (SUPPLY)

13) ELECTRONICS METERS AND TEST BENCHES (BUDGET PAGE NO. 48-18)

S/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1 Provision for purchase of automatic and semi- automatic test benches	44.12 294.98	Semi auto test benches -4 , (Single Scanner) Semi auto test benches -5, fully a (Multi Scanner)	0.00 0.00	Semi auto test benches -1 , (Single Scanner) Nil	70.00	Semi auto test benches -2 , (1 Ph.)	56.00 93.25 100.00	Semi auto test benches -4 (1 Ph) Semi auto test benches -5(3 PH), Auto Test Bench -2(3 Ph).	0.00	Nil	
2 Provision for purchase of electronic meters and prepayment metering systems	1100.00 69.26 68.75	10/80 PP-14000 nos. 50(100)PP-1500 nos. 5 Amp LV CTO-550 nos	428.54 0.00 37.13	10/80 PP-14000 nos. Nil 5 Amp LV CTO-650 nos	1295.42 173.14 93.75	10(60)PP-16500 nos. 50(100)PP-1500 nos 5 Amp LV CTO-750 nos	8404.40 380.00 33.55 55.00	13800 nos., new req -10000, Proj-50000 3900 nos., new req -4000 5 Amp LV CTO-550 nos RSM 0.2 Class-2	8792.00 80.00 33.55 0.00	14000 nos., new req -20000, Proj-50000 50(100)PP-1600 nos. 5 Amp LV CTO-550 nos RSM 0.2 Class-2	
3 Provision for Automatic Meter reading Facility (AMR) & System metering	180.00 5.00	System meters CT/PTO-900 nos AMR Project (Token provision)	0.00 0.00	Nil AMR Project (Token provision)	60.00 320.00	ABT-60 nos CT/PTO-1600 nos	180.00 55.32 22.36 8.00 224.00 300.00 141.00	System meters CT/PTO-900 nos Accucheck-27, DT Meters-250, LV CT Bank-550,H V CT Bank-12 Prepaid Meters-100 AMR Project - 120, LVCTO-1000 Normal Recq-20000 nos. meters - 9400	15.00 156.60 22.36 80.00 400.00 2250.00 120.00	ABT-90 nos Accucheck-10,DT Meters-1000, LV CT Bank-550,H V CT Bank-12 Prepaid Meters-1000 AMR Project-LVCTO-2000 Mass replacement - 1 lac, normal - 50000 Meters - 8000 nos.	
Under APDRP scheme 5(20) Single Phase Meter 10(40) Single Phase Meter	(250)				100.00 (250.00)	AMR project (Part provision of Estimate)					
	1762.11		465.67		2113.31		10052.88		11950.51		

DEPARTMENT : COMMERCIAL (SUPPLY)

14) SERVICE MAINS INCLUDING OVERHEAD SERVICES (BUDGET PAGE NO. 48-14)

S/Particulars NO. (LOAN BUDGET HEAD)	Revised Estimates 2005-2006 Rs In Lacs	Revised Proposed Work	Actual Expenditure 2005-2006 Rs In Lacs	Actual Work Done 2005-2006	Budget Estimates 2006-2007 Rs In Lacs	Proposed Work	Revised Estimates 2006-2007 Rs In Lacs	Revised Proposed Work	Budget Estimates 2007-2008 Rs In Lacs	Proposed Work	
1	2	3	4	5	6	7	8	9	10	11	12
1 Laying of service cables	500.00	For laying of new services and upgradation of services	398.72	82.64km cable laid	700.00	For laying of new services and upgradation of services	500.00	For laying of new services and upgradation of services	700.00	For laying of new services and upgradation of services	
	500.00		398.72		700.00		500.00		700.00		

* Actuals expenditure as per Executing department

ELECTRIC SUPPLY BRANCH

CAPITAL BUDGET ESTIMATES FOR 2006-2007 (REVISED) AND 2007-2008 (PROPOSED)

ANNEXURE - B

Sr. No.	BUDGET PAGE NO.	ACC. CODE NO.	BUDGET HEAD	Revised Estimates 2004-2005 Rs.In Lacs	Actual Expend.in 2004-2005 Rs.In Lacs (As furnished by Acc. Dept.)	Revised Estimates 2005-2006 Rs.In Lacs	Actual Expend.in 2005-2006 Rs.In Lacs (As furnished by Acc. Dept.)	Actual Expend.in 2005-2006 Rs.In Lacs (As per exec. department)	Unexpended balance of 2005-2006(R) Rs.In Lacs	Balance Proposed to be carried forward to 2006-2007(R) Rs.In Lacs	Balance of 2005-2006(R) allowed to lapse Rs.In Lacs	Budget Estimates 2006-2007 Rs.In Lacs	2005-2006 Budget Grant Prop. to retain in 2005-2006(R) Rs.In Lacs	Additional grant required in 2005-2006 Rs.In Lacs	Revised Estimates 2006-2007 Rs.In Lacs	Budget Estimates 2007-2008 Rs.In Lacs	Remarks
1	2	3	4	5	6	7	8	8A	9	10	11	12	13	14	15	16	17
1	47/1	9121, 9128, 9130, 9131, 9132, 9133, 9135, 9136, 9138 & 9146	Extension to existing Receiving Substations	391.85 952.07 1343.92		363.50 425.72 789.22	#REF!	195.83 374.19 570.02				1052.00 822.11 1674.11			564.96 831.62 1396.58	777.80 508.30 1376.10	Develop. Non-develop.
2	47/2	9105, 9134 & 9140	New Receiving Substations	859.36	605.66	955.04	#REF!	396.54				1711.16			1071.50	2358.72	Develop.
3	47/4	9169, 9187 & 9199	110 KV Receiving Substation at Backbay Reclamation, Khetwadi, Sanapati Bapat Marg	1218.00	251.95	1052.52	#REF!	219.54				2498.00			3552.71	0.00	Develop.
4	48/19	9122 & 9123	Generating station	15.00	0.00	15.00	#REF!	0.00				15.00			1500.00	1500.00	Develop.
5	47/5	9148 & 9157	Remote control of Receiving Substations	167.00	0.04	4.00	#REF!	1.93				257.00			7.00	210.00	Develop.
6	47/5	9139 & 9149	Communication network additions and extensions / installation & commissioning of Ripple control	50.14	10.69	17.00	#REF!	0.00				234.00			292.40	30.25	Develop.
7	47/6	9112	Computerisation	1142.54	11.57	667.25	#REF!	203.03				742.74			1074.23	642.74	Develop.
SUB TOTAL (1 TO 7)				4795.96	2015.50	3500.03	#REF!	1391.06				7132.01			8894.42	6117.81	
8	47/3	9118, 9120, 9127, 9129, 9144, 9150 to 9153,	11 KV Static substations and Extension & Alterations to existing Substations	1914.60 1276.40 3191.00		1642.92 1095.28 2738.20	#REF!	1477.56 985.04 2462.60				1770.72 1180.48 2951.20			3075.94 2050.62 5126.56	3382.07 2254.71 5636.78	Develop. non-develop.
9	48/13	9191, 9192 & 9193	Laying of HV/ LV Under-ground Cables & Pillars (New & Extensions)	2353.00	1457.42	2329.60	#REF!	1347.61				2512.80			2177.60	2651.60	Develop.
SUB TOTAL (8 & 9)				5544.00	2981.18	5067.80	#REF!	3810.21				5464.00			7304.16	8298.38	
10	48/15	9194, 9195, 9196	Street Lighting cables	117.00	100.42	129.84	#REF!	131.12				137.20			89.37	98.31	Develop.
11	48/17	9182, 9183 & 9185	Street lighting Lamps	439.00	290.98	155.60	#REF!	154.40				171.16			155.62	171.18	Non-develop.
SUB TOTAL (10 & 11)				556.00	391.40	285.44	#REF!	285.52				308.36			244.99	269.49	
12	48/16	9188	Meters	406.89 271.26 678.15		365.58 243.72 609.30	#REF!	157.67 105.12 262.79				478.08 318.72 796.80			199.20 132.80 332.00	0.00 0.00 0.00	Develop. Non-develop.
13	48/18	9190	Electronics Meters & Test Benches	933.07	840.61	1762.11	#REF!	465.67				2113.31			10052.88	11950.51	Develop.
SUB TOTAL (12 & 13)				1611.22	1108.75	2371.41	#REF!	728.46				2910.11			10384.88	11950.51	
14	48/14	9197, 9198 & 9189	Services Cables	300.00 200.00 500.00		300.00 200.00 500.00	#REF!	239.23 159.49 398.72				420.00 280.00 700.00			300.00 200.00 500.00	420.00 280.00 700.00	Develop. Non-develop.
TOTAL (1 To 14)				13007.18	6895.55	11724.67	#REF!	6613.97				16514.48			27328.44	27326.19	
Developmental				9868.45		9604.35		4835.74				13942.01			23957.78	24022.00	
Non-developmental				3138.73		2120.32		1778.23				2572.47			3370.66	3304.19	
15			Motor Vehicles *														Non-develop.
16			Tools & equipments *														Non-develop.
17			Furniture & Office Equipments *														Non-develop.

Notes : A) Details in column nos. (9) ,(10),(11),(13) & (14) are to be furnished by Budget/Accounts Department