

PETITION FOR ANNUAL REVENUE REQUIREMENT

And

TARIFF PROPOSAL FOR THE FINANCIAL YEAR 2006-2007

Submission of Text and Affidavit

To

Assam Electricity Regulatory Commission

By

**Assam Electricity Grid Corporation Limited
Bijulee Bhawan, Paltanbazar
Guwahati-781 001**

BEFORE THE ASSAM STATE ELECTRICITY REGULATORY
COMMISSION, GUWAHATI.

Petition No. –

Case No.
(to be filed by the Office)

IN THE MATTER OF
Filing of Annual Revenue Requirement
Proposal for the year 2006-2007

AND

Petition for Determination of Tariff
For the year 2006-2007

AND

IN THE MATTER OF
Assam Electricity Grid Corporation Limited
Bijulee Bhawan, Paltanbazar,
Guwahati-781 001.

Petitioner

I, _____ son of Shri
_____ aged _____ years residing at _____
do solemnly affirm and say as follows:

I am the _____ of Assam Electricity Grid Corporation Limited, the
petitioner in the above matter and am duly authorized by the said Petitioner to make this
affidavit for and on behalf of the Assam Electricity Grid Corporation Limited.

The Statement made in the Petition based on information received from official records and I
believe them to reflect truly and nothing materials has been concealed from the statements so
made or documents or supporting data etc. attached.

Solemnly affirm at Guwahati on _____th day of _____ 2005 that the contents of
this affidavit are true to my knowledge, no part of it is false or nothing material has been
concealed therefore and misleading material included therein.

Place: Guwahati

Date _____

Deponent

By order of the Commission

Secretary of the Commission

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Glossary

Acronym	Full form
A&G	Administrative and General
ABC	Aerial Bunched Conductors
ABT	Availability Based Tariff
ADB	Asian Development Bank
AEGCL	Assam Electricity Generating Corporation Limited
AERC	Assam Electricity Regulatory Commission
AMR	Automated Meter Reading
APDRP	Accelerated Power Development and Reforms Program
APERC	Andhra Pradesh Electricity Regulatory Commission
APGCL	Assam Power Grid Corporation Limited
APTRANSCO	Andhra Pradesh Transmission Company
ARR	Annual Revenue Requirement
ASEB	Assam State Electricity Board
AT&C	Aggregate Technical and Commercial
BST	Bulk Supply Tariff
CAEDCL	Central Assam Electricity Distribution Company Limited
CAGR	Compounded Annual Growth Rate
CEO	Chief Executive Officer
CMRI	Common Meter Reading Instrument
CT/PT	Current Transformer/Potential Transformer
DPS	Delayed Payment Surcharge
DTRs	Distribution Transformers
EE	Executive Engineer
FAS	Fuel Adjustment Surcharge
FY	Financial Year
GEC	Guwahati Electrical Circle
GoA	Government of Assam
GoI	Government of India
GPRS	General Packet Radio Service
GSM	Global System for Mobile Communication
HHM	Hand Held Machines
HT	High Tension
HVDS	High Voltage Distribution System
IAS	Import Adjustment Surcharge
IRCA	Industrial Revenue Collection Area
KV	Kilo Volt
KVA	Kilo Volt Ampere
KW	Kilo Watt
KWH	Kilo Watt Hour
LAEDCL	Lower Assam Electricity Distribution Company Limited
LT	Low Tension
MCAGR	Modified Compounded Annual Growth Rate
MCBS	Miniature Circuit Breaker
MIS	Management Information Systems
MMSCMD	Measured Million Standard Cubic Meter per day
MOU	Memorandum of Understanding
MRI	Meter Reading Instruments
MU	Million Unit
NERLDC	North East Region Load Despatch Centre

Acronym	Full form
NLCPR	Non-Lapsable Central Pool Reserve
O/H	Over Heads
PGCIL	Power Grid Corporation of India Limited
ph	Phase
PIS	Performance Incentive Scheme
PLC	Power Line Carriers
PLF	Plant Load Factor
PMGY	Prime Minister Gramudyog Yojana
PSTN	Public Switch Telephone Network
R&M	Repairs and Maintenance
RE	Rural Electrification
MNP	Minimum Needs Program
RGGVY	Rajiv Gandhi Grameen Vidyutikaran Yojana
Rs	Rupees
RST	Retail Supply Tariff
RTU	Remote Terminal Unit
SBM	Spot Billing Machine
SC	Scheduled Caste
SCCP	Scheduled Caste Component Plan
SDE	Sub-Divisional Engineer
SEBs	State Electricity Boards
SMEC	Snowy Mountains Engineering Corporation Limited
ST	Scheduled Tribe
T&D	Transmission and Distribution
T.C.	Transportation Cost
TCS	Tata Consultancy Services Limited
TOU	Time of Use
TSP	Tribal Sub-Plan
UAEDCL	Upper Assam Electricity Distribution Company Limited
UoM	Unit of Measurement
US	United States
V	Volt
YOY	Year-on-Year

BEFORE THE HON'BLE ASSAM ELECTRICITY REGULATORY COMMISSION

FILING NO.

CASE NO.

IN THE MATTER OF:

Petition for the approval of the Annual Revenue Requirement for the period from 1 April 2006 to 31 March 2007 and the approval of the proposal for revision of the transmission tariffs for the Assam Electricity Grid Corporation Limited (AEGCL)

AND

IN THE MATTER OF:

Assam Electricity Grid Corporation Limited incorporated under the provisions of the Companies Act, 1956 and having its registered office in the State of Assam

THE HUMBLE APPLICANT ABOVE NAMED MOST RESPECTFULLY SHEWETH:

- 1 That the Assam Electricity Grid Corporation Limited, hereinafter named as AEGCL, is a successor corporate entity, formed in pursuant to the notification of the Government of Assam, notified under sub-sections (1), (2), (5), (6) and (7) of Section 131 and Section 133 of the Electricity Act 2003 (Central Act 36 of 2003), for the purpose of transfer and vesting of functions, properties, interests, rights, obligations and liabilities, along with the transfer of Personnel of the Board to the successor corporate entities.
- 2 That the Assam Electricity Grid Corporation Limited is a company incorporated with the main object of undertaking electricity transmission in the state of Assam as State Transmission Utility (STU).
- 3 That the Assam Electricity Grid Corporation Limited is a deemed licensee under the provisions laid down in Section 14 Proviso 5, read with Section 131 (2) of the Electricity Act 2003.
- 4 That the licensee is now filing the petition for the approval of its Annual Revenue Requirement for the financial year 2006-2007 and proposal for the approval of wheeling charges.
- 5 Government of Assam vide notification no. PEL.151/2003/Pt/349 dated 16th August, 2005 (**Annexure XI**) issued orders to give effect to the reorganization of the Assam State Electricity Board and the finalization of the provisional transfers effected as per the provisions of the Electricity Act, 2003 and the Transfer Scheme.
 - (a) The opening balance sheets as per Schedule II to this order has been prepared based on the approved accounts of Assam State Electricity Board as on 31st March, 2004 and such opening balance sheet shall all be subject to all consequential adjustments on the update, finalization and audit of accounts of Assam State Electricity Board as on 31st March, 2005.
 - (b) The Government of Assam shall pass separate orders in terms of the Transfer Scheme in regard to the transfer and absorption of personnel of Assam State Electricity Board in the five companies, namely: Assam Power Generating Corporation Limited, Assam Electricity Grid Corporation Limited, Upper Assam Electricity Distribution Company Limited, Central Assam Electricity Distribution Company Limited and Lower Assam Electricity Distribution Company Limited.

(PETITIONER)

NOTES:

In this petition:

Previous Year is defined as the Financial Year (FY) 2004-2005

Current Year is defined as the Financial Year (FY) 2005-2006

Ensuing Year is defined as the Financial Year (FY) 2006-2007

T1: Legal and Regulatory Framework

- 1.1 Under the provisions of Electricity Act 2003 (hereinafter referred to as “Electricity Act”) the Assam Electricity Reforms First Transfer Scheme, 2004 (hereinafter referred to as “Transfer Scheme”) was notified by Government of Assam on 10th December 2004. Under Section 5 (2) of the transfer scheme the functions and undertakings as set out in schedule-B of the transfer scheme stands transferred to Assam Electricity Grid Corporation Limited (AEGCL).
- 1.2 Section 14 of the Electricity Act 2003 provides “...*Provided that any person engaged in the business of transmission or supply of electricity under the provisions of the repealed laws or any Act specified in the Schedule on or before the appointed date shall be deemed to be a licensee under this Act...*” Hence, AEGCL is the deemed transmission licensee for the State of Assam.
- 1.3 Section 62 of the Electricity Act 2003 requires the licensee to furnish details as may be specified by the Commission for determination of tariff.
- 1.4 Section 7 of A. E. R. C. (Terms and conditions for determination of Tariff) Regulations 2005 lays down the following:

The licensee and generating company may file a tariff petition annually with the Commission to determine changes to the current tariff by not later than 1st December unless an extension is granted by the Commission upon application.

In the tariff petition, the licensee and generating company shall submit information for the purpose of calculating expected revenue and expenditure and for furnishing information for tariff determination in formats that will be issued separately by the Commission

The tariff petition shall be accompanied by financial and performance information in forms specified by the Commission for the previous year/years, current year and the ensuing year. The information for the previous year should be based on audited accounts and in case audited accounts for previous year are not available, audited accounts for the latest proceeding previous year should also be filed along with unaudited accounts for all the succeeding year.

If a person holds more than one licensee and /or is deemed to be licensee for more than one area of distribution or transmission, he shall submit separate petitions in respect of each licensee or area of transmission or distribution.

- 1.5 AEGCL has come into being on 10th December 2004. The petitioner has prepared the ARR and Tariff proposal for FY 2006-07 for the area of operation of AEGCL and submits the same to AERC.
- 1.6 The status of the various data formats and forms, as required by the Hon’ble Commission, is furnished in **Annexure XII**.

T2: Annual Revenue Requirement – FY 2006-07

Efficiency Parameters

Loss levels

- 2.1 The licensee has come into being from 10 December 2004. The transmission network inherited by AEGCL from the parent company is aged and highly overloaded and inadequate to meet the future demands. In the financial year 2006-07 the management plans to undertake many schemes for improvements and augmentation in the transmission capacity. This implies substantial investment required in the sector. The licensee has envisaged Rs. **252.80** crores for

planned capital expenditure during FY 2006-07 under NLCPR, ADB and other schemes

- 2.2 But, reduction in Technical losses cannot be achieved immediately and would require a transition period for accomplishment. The Commission in its first Tariff Order has clearly mentioned that *“It is true that the T&D loss is very high. However, it is also true that this cannot be reduced suddenly. In considering the allowable T&D loss consideration has to be given to the starting levels as well as the nature of the grid.”*
- 2.3 The estimated loss level in FY 2005-06 in the transmission network is **8.25%**. The licensee has envisaged transmission losses at **7.5%** in the ensuing year which is a **9.1%** reduction in loss over FY 2005-06. This has been done keeping in mind the major capital investments earmarked for FY 2005-06 as well as for FY 2006-07. Hence reductions in losses are expected in the subsequent years as well.

Basis of estimation of Annual Revenue Requirement for FY 2006-07

- 2.4 The draft annual accounts for the FY 2004-05 and the actual data for the first six months of FY 2005-06 (April 2005- September 2005) have primarily been used as the basis for the projection of the expense elements of the Annual Revenue Requirement. The estimated Annual Revenue Requirement for the Ensuing Year FY 2006-07 is presented in the following table.

Table 1: Projected Annual Revenue Requirement for FY2006-07

(Rs crores)	
ARR Element	Amount
Employees Cost	43.17
Repair & Maintenance Cost	7.75
Administration & General Expenses	2.63
Interest & Financing Charges	
Interest on Term Loans	19.66
Interest on Working Capital	1.23
Depreciation	0.93
Provision for Bad & Doubtful Debts	Nil
Total Expenditure	75.37
Less Misc. Receipts	9.39
Net Expenditure	65.98
Return on Equity (16%)	Nil
Less: Interest capitalised	16.16
Net Annual Revenue Requirement	49.82

- 2.5 Each ARR expense element has been discussed in detail in the following paragraphs.

Employee Expenses

- 2.6 The Employee costs have been estimated after considering the draft annual accounts of FY 2004-05 and the trend of actual expenses for the first 5 months of FY 2005-06, i.e., the current financial year and the projected manpower rationalization for FY 2006-07. The figures mentioned in the table above include the impact of terminal benefits as per actuarial valuations.
- 2.7 The erstwhile Board has taken a number of steps towards rationalization of manpower in the company, by the redeployment of all excess manpower to areas where they are considered necessary. The board has also taken the assistance of consultants to look at current HR

policies and suggest changes in HR policies and manpower deployment strategies. The details of manpower rationalization are attached in **Annexure I**.

- 2.8 As mentioned earlier, a significant component of the employee costs have been the terminal benefits including leave encashment. The State Electricity Boards (**SEBs**), constituted under Section 5 of the Electricity (Supply) Act, 1948 were not required to create a separate fund or trust to meet the pension liabilities of the personnel working in the SEBs. Like the State Governments, the SEBs has been meeting the pension and other terminal liabilities from the revenue earnings on a year-to-year basis, without creating or maintaining a Corpus. In other words, the actual pension outflows for the retired personnel of SEBs were being managed from the revenues earned in the year.
- 2.9 It is proposed that to relieve the new companies of the burden on account of past liabilities, the cash outflows on account of unfunded past liabilities will be met by a combination of Government of Assam support, a special charge on Bulk Supply Tariff and Electricity Duty. In this regard, a charge on BST will be proposed by the Bulk supplier i.e. ASEB.
- 2.10 From FY 2005-06, the companies have discontinued the practice of paying from current revenues. In view of this, the actuarial study was carried out as at 9 December 2004 to estimate the unfunded terminal liabilities of its existing employees, pensioners and family pensioners.
- 2.11 The terminal liabilities on account of the future services rendered by the existing employees, the new companies will contribute to the Pension Fund. The Actuarial Valuation carried out by ASEB has estimated the contribution to be at **22.79%** of the Total Basic + DA expenses every month.
- 2.12 In pursuance of Board Resolution No. 18 dated 11-04-05, Chairman, ASEB has constituted the “Board of Trustees of ASEB Employees’ Pension Fund Investment Trust” with 11 Trustees including Chairman ASEB/successor companies as President of the Trust. AEGCL shall act as nodal agency for dealing with all matters relating to pension. Head of Finance, AEGCL shall be the Member and Chief Executive and shall have the authority for all operational activities of the Trust.

In a meeting held on 03-11-05 with Member (Finance), discussions on the following issues have taken place:

1. Drawal of monthly pension and family pension by the existing pensioners and family pensioners who were drawing their pension from consolidated Board.
2. Procedure for payment of pension and setting up of Pension Cell under Finance wing of each successor company to administer and monitor the benefits of operation at the company’s end.
3. Recovery of administrative cost from successor companies.
4. Plan for funding terminal benefits.
5. Creation of GPF trust fund.

Actions are being undertaken on the above issues.

- 2.13 The total employee expenses proposed for approval in this ARR petition, including provisioning for terminal benefits is Rs. **43.17** crores for AEGCL for FY 2006-07. The following table shows the total estimated employee expenses including funding for terminal benefits for the year FY 2006-07.

Table 2 : Employee Expenses

(Rs crores)

Employee Cost Element (Rs Crores)	ASEB Consolidated Figures	AEGCL			
	2004-05	2005-06	2005-06	2005-06	2006-07
	Approved Accounts	1st 5 months Actuals*	Next 7 months Estimate	Total	Projected
Salaries	139.15	8.73	12.46	21.19	20.98
Overtime	0.78	0.72	-	0.72	0.71
Dearness Allowance	57.84	4.46	6.38	10.84	10.73
Other Allowances	21.44	1.32	1.85	3.18	3.15
Bonus	0.06	-	0.01	0.01	0.01
Medical Allowances	0.83	0.03	0.05	0.08	0.08
Leave Travel Concession	0.28	0.01	0.23	0.24	0.24
Earned Leave Encashment	5.05	-	-	-	-
Workmen Compensatory Payment	0.13	-	0.02	0.02	0.02
Staff Welfare Expenses	0.23	-	0.03	0.03	0.03
Terminal Benefit	63.76	2.65	4.65	7.30	7.23
Less Capitalization	1.50	-	-	-	-
Total	288.03	17.93	25.68	43.61	43.17

* Based on actual figures as received for the first 5 months

Administration and General Expenses

- 2.14 The Hon'ble Commission in its Tariff Order for FY 2005-06 has allowed a sum of Rs **1.79** crores towards Administrative and General Expenses, after considering an increase of **6%** that comprised an increase of **5%** on account of inflation and **1%** cushion to take care of other additional items of expenditure. The total A&G expenses proposed for approval in this ARR petition for AEGCL for FY 2006-07 is **Rs 2.63** crores. **Table 3** gives the break-up of the total A&G costs under various heads.
- 2.15 There has been a substantial increase in expenditure under the head 'Conveyance and Travel including vehicle hiring charges'. Due to acute shortage of vehicles, normal repairs & maintenance work of transmission network was being severely hampered. AEGCL has therefore formulated and implemented a policy of substantially increasing the availability of vehicles through hiring for the aforesaid routine maintenance and repair work. The company is also exploring the feasibility of hiring mini trucks with hydraulic ladders. In order to support the financial implications of these initiatives, additional resources shall be earmarked to enable hiring of such vehicles with hydraulic ladders for a period of **1 year**, to be extended on the performance of the vehicle.
- 2.16 Fuel allocation has also been significantly enhanced at the division level for the existing vehicles in order to meet the above objectives.

Table 3: A & G Expenses

(Rs crores)

Administrative & General Expenses	ASEB Consolidated Figures	AEGCL			
	2004-05	2005-06	2005-06	2005-06	2006-07
	Approved Accounts	1st 6 months Actuals	Next 6 months Estimated	Total	Projected
Rent, Rates & Taxes	0.86	0.04	0.04	0.08	0.09
Insurance	0.15	0.03	0.03	0.06	0.07
Telephone charge	0.98	0.13	0.13	0.26	0.3
Post and Telegram	0.87	0.01	0.005	0.01	0.01
Legal charge	0.56	0.06	0.06	0.12	0.18
Audit Fee	0.06	0.01	0.015	0.03	0.03
Consultancy charges	0.29	0.06	0.06	0.12	0.13
Technical Fee	0.11	0.03	0.03	0.06	0.07
Conveyance and Travel including vehicle hiring charges	3.35	0.37	0.365	0.73	1.1
Other Expenses	2.95	0.18	0.18	0.36	0.4
Freight	0.91	0.04	0.045	0.09	0.1
Other purchase related Exp.	1.42	0.07	0.075	0.15	0.17
Less Capitalized	0.40	-	-	-	-
Total	12.11	1.04	1.04	2.07	2.63

Repair and Maintenance Expenses

- 2.17 Regulatory Commissions in other States are already moving towards the practice of linking R&M expenses to the underlying gross assets. In the state of Uttaranchal, which has geographical terrain similar to that as in the case of Assam, the Commission has adopted a norm of allowing **1.5%** of opening balance of gross fixed assets for transmission works as the total R&M expenses in the annual revenue requirement.
- 2.18 AEGCL has inherited aged assets from ASEB, which call for substantial repair & maintenance (R&M) expenses. In addition, Assam being a hilly region, demands comparatively higher R&M expenses than other states. In addition to these, actual expenditure incurred in the past has been constrained by the acute cash deficit faced by the erstwhile ASEB. Although a significant increase in R&M expenses was allowed by the Commission, AEGCL still has a fair way to go in this respect. Under these circumstances, using a historical base or trend runs the risk of restricting R&M expenses for the Ensuing Year, when there is a genuine need of continuing to step up R&M expenses to keep the current asset base in good condition.
- 2.19 It is therefore prayed that the R&M expense asked for by AEGCL be allowed in full to help maintain the momentum that has been gathered towards improving the quality of assets and reliability of the transmission network.
- 2.20 Going by the above principles, the R&M expenses for the ensuing year has been estimated at **Rs. 7.75** crores as per the following details:

Table 4: Repair and Maintenance Expenses

(Rs crores)

Repair & Maintenance	ASEB Consolidated Figures	AEGCL			
	2004-05	2005-06	2005-06	2005-06	2006-07
	Approved Accounts	1st 6 months Actuals	Next 6 months Estimated	Total	Projected
Plant & Machinery	4.71	2.31	2.31	4.62	5.86
Buildings	1.09	0.05	0.05	0.09	0.11
Civil Works	0.08	-	-	-	0.15
Hydraulic Works	0.13	0.01	0.01	0.02	0.02
Lines & Cable Networks	8.82	0.46	0.46	0.92	1.29
Vehicles	0.81	0.12	0.12	0.23	0.30
Furniture & Fixture	0.20	-	-	-	-
Office Equipment	0.14	0.01	0.01	0.02	0.02
Total	15.98	2.95	2.95	5.90	7.75

Interest & Financing Charges

- 2.21 The interest component proposed to be charged and submitted as part of the Annual Revenue Requirement for FY 2006-07 is on account of loans taken for the purpose of capital investments.
- 2.22 Interest on working capital has been taken at **Rs 1.23** crores as per the norms approved by the Hon'ble Commission in its Tariff Order for FY 2005-06.

Term Loans and Interest on Term Loans

- (a) Allocation of term loans to AEGCL have been made on an individual basis for various sources of financing based on the capital investments being proposed to be undertaken by AEGCL. The detail of capital expenditure being proposed to be undertaken by AEGCL for FY 2006-07 has been discussed in the section for capital investments subsequently in this petition.
- (b) Public Bonds has been allocated to the utility as per the transfer scheme notified by the Government of Assam.
- (c) The total amount of term loans and interest computed to be charged on these term loans, based on the proposed capital investment plan, for each individual financing source is given in Table 5.
- (d) In this connection, it will be noted that finance and interest charges in respect of those capital assets that will be commissioned during FY 2007-08 or thereafter has been capitalised as interest during construction in terms of the relevant provisions of The Electricity Act, 2003.
- (e) In respect of those capital assets that will be commissioned during FY 2006-07, interest and finance charges incurred up to the date of commissioning will be capitalised as interest during construction.
- (f) In respect of those capital assets that are likely to be commissioned not later than

31st March, 2006, the interest and finance charges have been claimed to be a permissible item of revenue expenditure and hence, recoverable through tariff.

2.23 The total interest and financing charges for AEGCL on term loans proposed to be charged as part of the Annual Revenue Requirement for FY 2006-07 is **Rs. 3.50** crores.

Table 5: Interest and Finance Charges for AEGCL

(Rs crores)

SI No.	Name of the institution	Opening Balance 2006-07	Amount received during the year	Amount redeemed during the year	Closing Balance 2006-07	Rate of interest (%)	Interest Charges
1	State Govt.	105.25	136.84	13.59	228.51	10.50%	17.52
2	Bond	18.44	-	-	18.44	11.56%	2.13
3	Less: capitalised						-16.16
4	Total	123.69	136.84	13.59	246.95		3.50

Fixed Assets

2.24 The following table gives the category-wise details of assets for AEGCL.

Table 6: Fixed Asset Details

(Rs crores)

Asset Class	31-03-2005			31-03-2006			31-03-2007
	Gross Block	Accumulated Depreciation	Net Fixed Assets	Gross Block	Accumulated Depreciation	Net Fixed Assets	Projected Gross Block
Land & Rights	2.20	-	2.20	2.20	-	2.20	2.20
Buildings	16.88	12.15	4.74	16.88	12.94	3.94	16.88
Hydraulic works	2.64	1.47	1.18	2.64	1.56	1.08	2.64
Other Civil Works	1.51	0.34	1.18	1.51	0.36	1.15	1.51
Plant & Machinery	76.14	70.34	5.80	76.14	70.34	5.80	76.14
Lines & Cable Networks	403.32	391.68	11.64	403.32	391.68	11.64	403.32
Vehicle	1.59	1.41	0.17	1.59	1.43	0.16	1.59
Furniture & Fixtures	1.80	1.49	0.32	1.80	1.62	0.18	1.80
Office Equipments	0.29	0.20	0.09	0.29	0.22	0.08	0.29
Total	506.38	479.07	27.31	506.38	480.14	26.23	506.38

Depreciation

2.25 Depreciation has been computed on the opening Gross Fixed Assets for each class of assets individually for approval as part of the Annual Revenue Requirement for FY 2006-07. For the purpose of depreciation calculation, it has been ensured that the residual Net Block Value for each asset category should normally not be less than **10%** of the Gross Block Value. In case the Net Block Value in respect of a particular asset category is already less than or equal to **10%** of the Gross Block Value, no further depreciation has been charged. Based on this philosophy, the total depreciation expenditure charged for AEGCL for FY 2006-07 is

estimated to be **Rs. 0.93** crores.

- 2.26 The category-wise average rates of depreciation together with the chargeable depreciation for 2006-07 are given in the following table.

Table 7: Depreciation

(Rs crores)		
Category of Assets	Rate of Depreciation	Provision for Depreciation for 2006-07
Land & Land Rights	0%	-
Buildings	4.71%	0.80
Hydraulic Works	3.59%	0.09
Other Civil Works	1.58%	0.02
Plant & Machinery	5.55%	-
Lines & Cable Network	5.62%	-
Vehicles	6.58%	-
Furniture & Fixtures	7.3%	0.01
Office Equipment	4.18%	0.01
Total Depreciation Charges	0.18%	0.93

The details of Gross Fixed Assets, Depreciation and Net Fixed Assets as per the Hon'ble Commission's formats are attached in **Annexures II, III and IV** respectively.

Return on Equity

- 2.27 The Electricity Act, 2003 lays down the financial principles by which the finances of the licensee would be determined, including the return to be allowed to the licensee as part of its annual revenue requirement.
- 2.28 In view of the poor performance of ASEB as a whole, the Hon'ble Commission in its Tariff Order for FY 2005-06 had not allowed any return on equity. In view of the operational standards that AEGCL is yet to achieve in terms of system reliability, flexibility and operational efficiency, no return on equity has been claimed in this petition. However, AEGCL prays that the Hon'ble Commission grant at least a part of the return on equity that it would have been entitled to (**Rs 8.66 crores**) as it will go a long way in generating internal accruals that are so necessary to finance major transmission schemes. This becomes all the more critical as AEGCL is unlikely to receive any significant financial support from the Government of Assam and thus, will need to take care of its financial health by itself.
- 2.29 A component of return is important for the newly formed companies to bring in a sense of commercial orientation in AEGCL, which under the Board setup had its tariff adjusted automatically to allow a net **3%** return on the Net Fixed Assets as per Sec 59 of the Electricity (Supply) Act, 1948.
- 2.30 The Andhra Pradesh Electricity Regulatory Commission (APERC), in its Tariff Order has clearly stated that foregoing reasonable return was neither in the interest of the licensee nor with the consumers.

APERC in Para 707 of its Tariff Order for FY05 has viewed that, *“the Commission allowed the Reasonable Return as, in the opinion of the Commission; it was not in the interest of either the consumer or the Licensee to forego the Reasonable Return. The Commission wish to emphasize that one of the prime objectives of Reforms undertaken*

by the State in the Electricity Sector is to bring in a Commercial Orientation in the methods of operation as well as in the general approach to management decisions by the unbundled entities. The Commission considers it necessary to provide for the Reasonable Return in the calculation of the Revenue Requirement to reinforce this commercial orientation and hopes that this would act as a motivating factor and a morale booster at all levels leading to more operational efficiency all round.”

The licensee would like to mention that in case of AP, even though AP Transco didn't ask for reasonable return, APERC allowed it on the above grounds.

Other Income

- 2.31 Other income for the purpose of calculation of the Annual Revenue Requirement comprises mainly de-pooling of PGCIL transmission charges to be paid to AEGCL for the usage of its transmission assets. Besides that income on account of interest on loans & advances to employees and investments in the form of fixed deposits forms the remaining constituent of other income of the utility.
- 2.32 Other Income for AEGCL for FY 2005-06 has been estimated based on information received in respect of that year. Other Income has been projected as **Rs. 9.39** crores for AEGCL for the Ensuing Year FY 2006-07. The detailed break-up of estimated Other Income is as shown in the following table:

Table 8: Details – Other Income

Other Income	(Rs crores)		
	ASEB Consolidated Figures	AEGCL	
	2004-05	2005-06	2006-07
	Approved Accounts	Estimated Total	Projected
Interest on staff loans and advances	0.01	0.001	0.001
Income from investment	7.46	0.90	0.95
Interest on loan & advances to licensees	-		
Delayed payment charges from consumers	5.51		
Rental from meters	8.16		
Interest from banks (other than on fixed deposit)	-		
Income from trading	-		
Reconnection / Disconnection Charges	2.14		
De-pooling of PGCIL Transmission Charges	11.22	8.00	8.40
Miscellaneous receipts	0.94	0.04	0.04
Miscellaneous Recoveries	27.75		
Total	63.19	8.94	9.39

T3: Investment Plan for FY 2006-07

- 3.1 AEGCL is expected to transmit 3561 MUs as per the annual requirement of all the Distribution companies for the Ensuing Year. For efficient and reliable transmission and distribution of this quantum of power in the state, the transmission network must have adequate capacity and be maintained in a good condition. A healthy network only can deliver reliable and quality power to the consumers. With the ever-increasing demand of power

every year, the need for strengthening the Transmission segment of the power system in the form of capacity addition, renovation and modernization of lines and substations has become imperative. In this backdrop, emphasis has been laid on completion of the ongoing schemes as well as taking up new projects in the transmission & transformation sector.

- 3.2 A number of Transmission projects are under implementation with various sources of funding agencies like NLCPR, ADB, and State Government Plan Fund. Out of this, maximum investment will be in the form of grant from ADB funded schemes for lines, substation augmentation, improvement of transmission system, installation of SCADA system etc.

State Government Plan Fund

- 3.3 There are many transmission schemes, especially ongoing schemes, which are expected to be completed through State Government Plan Funds.
- 3.4 In this category, **Rs. 13.37** Crores is proposed for construction of transmission lines and substations

Table 9: The Transmission Schemes

(Rs crores)			
Sl. No	Description	Estimated amount	Requirement for 2006 07
1.	Transmission Lines and Substation	13.37	13.37
TOTAL:		13.37	13.37

Table 10: Renovation & Modernization of Transmission Lines and Substation

(Rs crores)		
Sl No	Description	Requirement for 2006-07
1	R & M of Lines & Substation	10.67

ADB Funded Schemes

- 3.5 An amount of **100 million dollars** has been sanctioned as project loan by the ADB (Asian Development Bank) for transmission and distribution schemes. Out of this, an amount of **23.45 million dollars** (equivalent to **Rs. 107.51** crores considering **US \$ 1 = Rs. 45.84**) is envisaged in the annual plan of FY 2006-07 for transmission system improvement. The counterpart funding on such Schemes for 2006-07 would be **12.62 million dollars**. (See Table 11)

Table 11: ADB assisted Transmission Project Works for FY 2006-07

(\$ million)					
Item	Contract Type	Procurement Mode	Estimated Value	Proposed Expenditure	Counterpart Funding
Part A: Improvement of Transmission System					
220 kV & 132 kV Transmission Lines	Turnkey	ICB	11.60	5.65	3.04
New 220 kV & 132 kV Substations	Turnkey	ICB	16.50	9.56	5.14
Augmentation & Extension of existing substations	Turnkey	ICB	10.90	3.76	2.02
SCADA (SLDC & existing RTU)	Turnkey	ST	0.60	0.20	0.11
SCADA (new RTU)	Turnkey	ICB	3.60	1.42	0.76
Circuit-Breakers	Supply	ICB	1.30	-	
33 kV Bus Capacitor	Turnkey	ICB	3.60	0.63	0.34
CTs, and PTs	Supply	ICB	0.60	-	
Communications Equipment	Supply	ICB	5.20	2.23	1.20
Control and Protection Equipment	Supply	ICB	1.80	-	
			55.70	23.45	12.62

Centrally Sponsored Schemes

3.6 The Centrally Sponsored Schemes of the Government of India comprises of the NLCPR Scheme. The total projected expenditure on the Centrally Sponsored Schemes is estimated at **Rs 75.16** crores with a grant element of **Rs 67.64** crores and a loan amount of **Rs 7.52** crores. The following table details the various projects under which the centrally sponsored schemes are proposed to be funded. Under these schemes, 280 MVA of transformation capacity along with associated transmission lines will be added in the transmission system

Table 12: Projects under centrally sponsored schemes proposed to be funded

Development Schemes	Funding Agency / Source of Funds	(Rs lacs)	
		Grant	Loan
Centrally Sponsored Schemes			
Construction of 220/132 KV, 2*50 MVA and 220/33 KV, 2*40 MVA Azara Sub Station with 220 KV LILO line in AZARA from one circuit of 220KV D/C Agia – Sarusajai Estimated Cost Rs 47.35 crores	NLCPR	867	96
Construction of 220/132 KV, 2*50 MVA and 220/33 KV Tezpur Sub-Station from one circuit of 220 KV D/C Samaguri Estimated Cost Rs 63.05 crores	NLCPR	1,135	126
Construction of 220 KV Tezpur - Rangia D/C line with terminal bays at 132/33 KV Rangia Sub-Station Estimated Cost Rs 107.64 crores	NLCPR	1,938	215
Construction of 220 KV Rangia-BPTS D/C line with terminal bays at Rangia & BTPS Sub-Stations Estimated Cost Rs 92.54 crores	NLCPR	1,666	185
Construction of 132 KV Samaguri - Nagaon D/C Line and 132 KV Nagaon - Baghjap (Jagiroad) S/C line with 132/33 KV, 2*25 MVA Sub-Station at Nagaon and terminal Estimated Cost Rs 40.95 crores	NLCPR	737	82
Construction of 132/33 KV Umrangshu Sub-Station and 132 KV D/C Khangdong Estimated Cost Rs. 23.40 Crores	NLCPR	421	47
Total Centrally Sponsored Schemes (NLCPR)		6,764	752

T4: Efficiency Improvement Initiatives

Transmission loss assessment

- 4.1 After the reforms process and as per Electricity Act of 2003, every company has to operate independently as business centre and accountable for its operations. This has necessitated the energy accounting in each new companies, where transmission losses needs to be separated from distribution and commercial losses and have to be minimum for efficient functioning of transmission Company. This is possible only if there is accurate measurement of total energy received from the generation company and total energy transmitted to the distribution company, in order to measure the transmission of energy accurately, at each interface point.

Real time recording of transmission of electricity through standard interface metering system will help towards operationalization and commercialization of each new company independently as well as accountability of energy flow in each company including technical loss measurement correctly.

AEGCL is in process of procuring and installing MRI based ABT compliant electronic meters at every point of interface. There are **31** interface points between APGCL-AEGCL and **137** interface points between AEGCL and 3 Discoms viz. LAEDCL, UAEDCL and CAEDCL. Sub-station wise requirement of Electronic Meters is given at **Annexure V**

The energy meters shall be indoor type connected with secondary side of outdoor CT and PT and shall be 3-phase 4-wire type suitable for connection to 3-phase 3-Wire or 3-Phase 4-Wire system. The meters shall have the following parameters.

- (a) Type of Installation : Indoor Panel/Rack mounted.
- (b) Accuracy : 0.2
- (c) Rated CT Secondary Current : 1 A / 5 A
- (d) Rated PT Secondary Voltage : $110/\sqrt{3}$ Volts (phase to neutral)
- (e) Auxiliary AC Supply : 230 Volts AC +/- 10%
- (f) Auxiliary DC Supply : 110 Volts / 220 Volts +/- 10%
- (g) System Frequency : 50 Hz +/- 5%
- (h) System Earthing : Solidly Earthed

Total Meters (168 actual meters + 168 check Meters + 12 spares total) - 348

Total cost is (@ Rs.1.68 lacs x 348 = Rs. 584.64 lacs) say Rs. 585 lacs = Rs. 5.85 Crores.

Funds for procurement, installation and commissioning of electronic meters have already been earmarked. Evaluation of tenders is under process and the work for installation and commissioning of all meters will be completed by August, 2006.

Sub-station and Power House wise requirement of interface meters is given in **Annexure-V**.

Performance Incentive Scheme (PIS)

- 4.2 AEGCL has commenced a trial Performance Incentive Scheme implemented w.e.f 15 October 2005 for the remaining six months of FY 05-06 (01-10-05 to 31-03-06). The PIS trial has initially been implemented with staff in direct operational business units, at the transmission division/sub-division level. The purpose of this limited trial is to acquaint staff to the nature of the PIS, and to allow senior management to fine-tune this scheme prior to wider implementation.

The rationale of selecting front-line operational staff for this PIS trial is twofold:

- Improved performance in direct operating units will have the most immediate impact on improving overall corporate business performance; and
- Setting performance indicators for such units is relatively easier because of the direct correlation between local performance indicators and overall company performance indicators.

In order for this trial Performance Incentive Scheme to be implemented by the aforementioned date, and the following aspects have been taken in to consideration

1. Review the recommended performance indicators and their respective weightings, and if so desired, suggest amendments to these indicators/weightings.
2. Set the *target* for each performance indicator, by Division and Sub-Division. The target for each performance indicator should represent a reasonable improvement on current performance.
3. The *maximum achievable result* for each performance indicator, by Division and Sub-Division. This should represent the best level of performance that is possible for the remainder of this financial year, given current resource and other constraints.

This pilot Performance Incentive Scheme is applicable for operational and maintenance personnel only at the sub-division/division level, up to the Superintending Engineer level. These employees will be eligible for an additional incentive payment up to a maximum of 15% of six-month basic salary. Based on the success of this pilot scheme, a wider Performance Incentive Scheme involving a greater proportion of AEGCL employees may be introduced in the future.

The pilot Performance Incentive Scheme will be based on performance measured by the following key performance indicators:

Performance Indicator	Weight	Target	Maximum Achievable Result	Actual Result	% Payable
1. System Average Interruption Frequency Index (SAIFI) Substation wise	30%				
2. System Average Interruption Duration Index (SAIDI) Substation wise	30%				
3. O&M Expenses per MU transmitted Substation wise	40%				
TOTAL	100%				
Annual Basic Salary (Rs.)					
Max. Performance Payment (%)					
Max. Performance Payment (Rs.)					
ACTUAL PERFORMANCE PAYMENT (Rs.)					

The Performance Incentive scheme will be calculated based on the formula below, added for each of the three above performance indicators:

$$\frac{(\text{Actual Result} - \text{Target})}{(\text{Maximum Achievable Result} - \text{Target})} \times \text{Weighting \% (as above)} \times \text{6 months Basic Salary} \times 15\%$$

Where:

- **Target** = the minimum expected performance by the business unit based on the Company Business Plan and Budget.
- **Maximum Achievable Result** = maximum performance that can be reasonably achieved for this indicator, given the time available and the existing technical and commercial constraints.
- **Actual Result** = the actual result reported for the period.

Each sub-division/division will have individual targets set, as appropriate for each location. For staff to achieve the performance incentive payment, actual performance must exceed the targets set.

From the 2006-07 financial year it is envisaged that the PIS be based on the complete approach including a weighted average of company and individual performance indicators. The impact of payment of incentive to the eligible employee has not been taken in the ARR submission as this will be off set by the gain due to efficiency improvement in the transmission system.

System Operation and Load Dispatch (SO&LD)

- 4.3 State Load Dispatch Centre (SLDC) is an apex body for a transmission company in the new unbundled structure of ASEB. SLDC has to operate as per the Assam Electricity Grid Code (AEGC) provisions.
- 4.4 The State Load Dispatch Center is:
- (a) responsible for optimum scheduling and dispatch of electricity within a State, in accordance with the contracts entered into with the licensees or the generating companies operating in that State.
 - (b) to monitor grid operations.
 - (c) to keep accounts of the quantity of electricity transmitted through the State grid.
 - (d) to exercise supervision and control over the intra-state transmission system.
 - (e) responsible for carrying out real time operations for grid control and dispatch of electricity within the State through secure and economic operation of the State grid in accordance with the Grid Standards and the State Grid Code.
- 4.5 As desired by AERC, details of SLDC charges (included in AEGCL's ARR) are shown in Table 13

Table.13: SLDC charges

Sl. No.	Particulars	Amount (Rs. Lakhs)
2004-05		63.88
1.	Repair and Maintenance	0.30
2.	Employees Costs	61.28
3.	Administration & General expenses	2.30
2005-06 (April'05 to June'05) – 1st Quarter		17.42
1.	Repair and Maintenance	0.00
2.	Employees Costs	16.69
3.	Administration & General expenses	0.73
2005-06 (July'05 to Sep'05) – 2nd Quarter		16.52
1.	Repair and Maintenance	0.04
2.	Employees Costs	15.93
3.	Administration & General expenses	0.55

T5: Tariff Proposal

- 5.1 The total energy to be transmitted through AEGCL network for LAEDCL, CAEDCL and UAEDCL for the Ensuing Year as per the ASEB Annual Revenue Requirement is **3561 MUs**.
- 5.2 The total expenses for AEGCL net of other income for the Ensuing Year is estimated to be **Rs 49.82 Crores**. (Refer Table 1)
- 5.3 Thus, based on the quantum of energy handled by AEGCL i.e. **3561 MU**, the wheeling charges per unit of electricity is computed as **13.99 Paisa per kWh**. The details of wheeling charges and revenue to be earned by AEGCL from each of the Discoms are shown separately in **Annexures VI, VII and VIII**.

T6: Progress on Commission's Directives

- 7.1 The progress achieved on the various directives issued by the Hon'ble Commission as part of its Tariff Order for FY 2005-06, is mentioned in table 14 on the next page.

Table 14: Replies to AERC Directives

AERC Directive – FY05-06	Action Taken To Date or To Be Taken																																																						
<p>Transmission Losses 11.6 (a) Transmission Losses –AEGCL is to submit data regarding the current and future level of transmission losses with the next tariff petition for FY 2006-07 including the impact of transmission network projects on the reduction of losses. AEGCL shall attempt to submit transmission line wise energy transactions so that accurate transmission losses can be determined.</p>	<p>With commissioning of all the projects under ADB, NLCPR etc. transmission losses will reduce to commercially acceptable levels, given the constraints under which it operates. As per the appraisal of Power Sector Development Program, transmission loss is expected to reduce to approximately 7.5% in 2006-07.</p>																																																						
<p>Transmission Performance Standards 11.6 (b) Transmission Performance Standards –AEGCL is to put into place a process to measure the availability of the transmission system along with the other performance measures set out Schedule II of the (Transmission Licensee Standards of Performance), Regulations, 2004. The AEGCL is to submit a report with the next tariff petition for FY 2006-07 describing the current achievements of the performance standards and how they will be improved once the transmission system projects are complete.</p>	<p>Details of Transmission System Availability (Reliability Index) for the period April 2004 to March 2005 are given in Annexure IX.</p> <p>Details of Service Reliability Index for the months of August and September 2005 are mentioned in the Table below:</p> <table border="1"> <thead> <tr> <th rowspan="2">CIRCLE</th> <th rowspan="2">VOLTAGE CLASS</th> <th colspan="2">SAIFI (Nos.)</th> <th colspan="2">SAIDI (Hrs)</th> </tr> <tr> <th>AUG '05</th> <th>SEPT '05</th> <th>AUG '05</th> <th>SEPT '05</th> </tr> </thead> <tbody> <tr> <td>Lower Assam T&T Circle</td> <td>a) 132 KV</td> <td>8</td> <td>9</td> <td>00:48</td> <td>00:49</td> </tr> <tr> <td rowspan="2">Tezpur T&T Circle</td> <td>a) 220 KV</td> <td>6</td> <td>6</td> <td>01:00</td> <td>04:55</td> </tr> <tr> <td>b) 132 KV</td> <td>6.50</td> <td>6.11</td> <td>03:24</td> <td>02:36</td> </tr> <tr> <td rowspan="3">Upper Assam T&T Circle</td> <td>a) 220 KV</td> <td>5</td> <td>0</td> <td>605:21</td> <td>00:00</td> </tr> <tr> <td>b) 132 KV</td> <td>5.5</td> <td>6.8</td> <td>22:39</td> <td>15:06</td> </tr> <tr> <td>c) 66 KV</td> <td>14.7</td> <td>18.1</td> <td>16:57</td> <td>28:35</td> </tr> <tr> <td rowspan="2">C & C Circle</td> <td>a) 220 KV</td> <td></td> <td>5</td> <td></td> <td>8:01</td> </tr> <tr> <td>b) 132 KV</td> <td></td> <td>6</td> <td></td> <td>12:16</td> </tr> </tbody> </table>	CIRCLE	VOLTAGE CLASS	SAIFI (Nos.)		SAIDI (Hrs)		AUG '05	SEPT '05	AUG '05	SEPT '05	Lower Assam T&T Circle	a) 132 KV	8	9	00:48	00:49	Tezpur T&T Circle	a) 220 KV	6	6	01:00	04:55	b) 132 KV	6.50	6.11	03:24	02:36	Upper Assam T&T Circle	a) 220 KV	5	0	605:21	00:00	b) 132 KV	5.5	6.8	22:39	15:06	c) 66 KV	14.7	18.1	16:57	28:35	C & C Circle	a) 220 KV		5		8:01	b) 132 KV		6		12:16
CIRCLE	VOLTAGE CLASS			SAIFI (Nos.)		SAIDI (Hrs)																																																	
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Tezpur T&T Circle	a) 220 KV	6	6	01:00	04:55																																																		
	b) 132 KV	6.50	6.11	03:24	02:36																																																		
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C & C Circle	a) 220 KV		5		8:01																																																		
	b) 132 KV		6		12:16																																																		
<p>Detailed Business Plans for Next 5 Years 11.5 The Commission also requires each of the Licensees to submit detailed business plans for the next 5 years having details of its Capital expenditure and Financing plans as well the future projections of operational performance like losses and collection efficiency.</p>	<p>The work on Business Plans for the next 5 years is underway and it is expected that the same will be completed after the Tariff Filing process for FY 2006-07 is over. Therefore, the utility craves leave to submit the same once they are ready after the Tariff Petition is filed.</p>																																																						

AERC Directive – FY05-06	Action Taken To Date or To Be Taken
<p>O&M Expenditure 11.6 (c) Operations and Maintenance expenditures –AEGCL is to submit a report within the next three months that provides data regarding length of transmission lines, transformation capacity, and number of bays in substations, auxiliary power consumption by substation, and number of staff by organisation unit. The report should also explain how manpower reductions will be achieved given that the new substations do not need to be managed with the same levels of deployment as being done currently due to the use of remote control and monitoring from the new SCADA system.</p>	<p>Details of transmission line length, transformer capacity and number of bays in substations are furnished as per Annexure X.</p> <p>Manpower rationalization is being undertaken (as will be evident by referring to Table 3 and Annexure I of the petition). In furtherance to this process, only need based manpower is being put in all the sub stations. With the introduction of SCADA, man power requirement is expected to come down and the same is reflected in the reduced manpower in 2006-07.</p>
<p>Bifurcated Account of SLDC & AEGCL 11.7 ... the functioning of SLDC may have to be considered at arms length from the STU, for which purpose, the accounting of SLDC has to be bifurcated from that of AEGCL. The AEGCL is directed to ensure that this is achieved in time of consideration of ARR and tariff revision for FY 2006-07.</p>	<p>Details of SLDC charge have been included in AEGCL’s ARR for FY 2006-07. The details of the same have been furnished in Table 13 of the petition.</p>
<p>Interface Metering Points 11.16 The five petitioners are to provide details of interface metering points of the five petitioners for energy accounting, and also the status of accounting as directed by the Commission in the Interim Tariff Order dated 31 March, 2005.</p>	<p>Action plan for interface metering has been taken up. Bids for the same have been invited in September 2005 and first pre-bid meeting was held on 18/10/05. Key dates for this project are as follows:</p> <ul style="list-style-type: none"> • Opening of bid: December 2005 (the same may be extended further to January 2006) • Placement of order: January / February ‘06 • Despatch of metering: March 2006 • Installation and Commissioning: August 2006 <p>The details of Interface Metering Points are furnished in the table under the heading ‘Annexure V : Substation wise Requirement of Meters’ in this Tariff Petition.</p>

AERC Directive – FY04-05	Action Taken To Date or To Be Taken
<p>Asset Register 8.18 The Commission hereby directs ASEB to build an asset register that should include information on the status of the assets mentioned. Within two months of publication of this tariff order ASEB should inform the Commission about the expected time to be taken to build the asset register.</p>	<p>A physical inventory of assets is currently under preparation. Thereafter, the detailed asset Register shall be prepared.</p>
<p>Insurance Cover of Assets 8.6 The Commission hereby directs the Board to analyze the economics of taking required insurance cover of assets, risks associated with employees or third party etc. and submit a report on this matter within three months of issue of this tariff order.</p>	<p>The process has been initiated and an in depth study of the tariff of various insurance companies including global insurers is planned to be undertaken. Besides this staff training is also required for this purpose. The above process is expected to take sometime. The Hon’ble Commission will be kept updated on the status.</p>

Form-AT6A/T6A/D 6A

Employees Costs - Additional information

SI No	Category of employee	2004-05		2005-06		2006-07	
		Number		Number		Number	
		Sanctioned	Working	Sanctioned	Working	Sanctioned	Working
1	Board of directors	-	-	-	-	-	-
2	Chief Engineer & equivalents	2	2	2	2	2	1
3	Superintending Engineers & equivalents	18	16	18	14	18	13
4	Executive Engineers & equivalents	68	55	68	52	68	49
5	Asst Executive Engineers & equivalents	173	124	173	135	173	127
6	Asst Engineers & equivalents	59	47	59	55	59	49
7	All other staff	2874	1682	2874	1602	2874	1515
8	ACEs & Equivalent	3	3	3	3	3	3
	Total	3197	1929	3197	1863	3197	1757

AEGCL		Form-AT15/T15/D15									
Gross Fixed Assets											
Information shall be provided voltage class (400 KV, 220 KV, 132 KV, 66 KV, 33 KV, 11 KV and below)											
Repeat the same format to provide voltage class-wise information.											
(Rs crores)											
Sl No	Particulars of assets	Previous year-2004-05			Current year -2005-06			Ensuing year-2006-07			
		Balance at the beginning of the year	Additions during the year	Retirement of assets during the year	Balance at the end of the year	Additions during the year	Retirement of assets during the year	Balance at the end of the year	Additions during the year	Retirement of assets during the year	Balance at the end of the year
1.	Land & Rights	1.88	0.32		2.20			2.20			2.20
2.	Building	16.88	0.01		16.88			16.88			16.88
3.	Hydraulic	2.64	(0.00)		2.64			2.64			2.64
4.	Other Civil Works	1.49	0.02		1.51			1.51			1.51
5.	Plant & Machinery	75.39	0.74		76.14			76.14			76.14
6.	Lines & Cable Net work	399.85	3.47		403.32			403.32			403.32
7.	Vehicles	1.56	0.02		1.59			1.59			1.59
8.	Furniture & Fixtures	1.79	0.01		1.80			1.80			1.80
9.	Office Equipment	0.24	0.05		0.29			0.29			0.29
10.	Other items (provide list)										
	Total	501.73	4.64	-	506.38	-	-	506.38	-	-	506.38

AEGCL		Form - AT8/T8/D8									
Depreciation											
Information shall be provided voltage class (400 KV, 220 KV, 132 KV, 66 KV, 33 KV, 11 KV and below)											
Repeat the same format to provide voltage class-wise information.											
(Rs crores)											
Sl No	Description of assets	Previous year 2004-05			Current year 2005-06			Ensuing year 2006-07			
		Balance of accumulated depreciation at the beginning of the year	Depreciation provided for the year	Withdrawal of depreciation	Balance of accumulated depreciation at the end of the year	Depreciation provided for the year	Withdrawal of depreciation	Balance of accumulated depreciation at the end of the year	Depreciation provided for the year	Withdrawal of depreciation	Balance of accumulated depreciation at the end of the year
1.	Land & Rights	-	-		-	-		-	-		-
2.	Building	12.06	0.09		12.15	0.80		12.94	0.80		13.74
3.	Hydraulic	1.45	0.02		1.47	0.09		1.56	0.09		1.66
4.	Other Civil Works	0.33	0.00		0.34	0.02		0.36	0.02		0.39
5.	Plant & Machinery	69.68	0.66		70.34	-		70.34	-		70.34
6.	Lines & Cable Net work	388.00	3.68		391.68	-		391.68	-		391.68
7.	Vehicles	1.41	0.00		1.41	0.01		1.43	-		1.43
8.	Furniture & Fixtures	1.48	0.01		1.49	0.13		1.62	0.00		1.62
9.	Office Equipment	0.20	0.00		0.20	0.01		0.22	0.01		0.23
	Grand Total	474.61	4.46	-	479.07	1.07	-	480.14	0.93	-	481.08

Annexure IV

AEGCL

Form-AT16/T16/D16

Net Fixed Assets

Information shall be provided voltage class (400 KV, 220 KV, 132 KV, 66 KV, 33 KV, 11 KV and below)

Repeat the same format to provide voltage class-wise information.

(Rs crores)

Sl No	Description of assets	Previous year 2004-05				Current year 2005-06			Ensuing year 2006-07		
		Balance of written down cost of assets at the beginning of the year	Net Addition of assets during the year	Net Depreciation for the Year	Balance of written down cost of assets at the end of the year	Net Addition of assets during the year	Net Depreciation for the Year	Balance of written down cost of assets at the end of the year	Net Addition of assets during the year	Net Depreciation for the Year	Balance of written down cost of assets at the end of the year
1	2	3	4	5	6	7	8	9	10	11	12
1.	Land & Rights	1.88	0.32	-	2.20	-	-	2.20	-	-	2.20
2.	Building	4.82	0.01	0.09	4.74	-	0.80	3.94	-	0.80	3.15
3.	Hydraulic	1.20	(0.0007)	0.02	1.18	-	0.09	1.08	-	0.09	0.99
4.	Other Civil Works	1.16	0.02	0.00	1.18	-	0.02	1.15	-	0.02	1.13
5.	Plant & Machinery	5.71	0.74	0.66	5.80	-	-	5.80	-	-	5.80
6.	Lines & Cable Net work	11.85	3.47	3.68	11.64	-	-	11.64	-	-	11.64
7.	Vehicles	0.15	0.02	0.00	0.17	-	0.01	0.16	-	-	0.16
8.	Furniture & Fixtures	0.31	0.01	0.01	0.32	-	0.13	0.18	-	0.00	0.18
9.	Office Equipment	0.04	0.05	0.00	0.09	-	0.01	0.08	-	0.01	0.06
10.	Other items (provide list)										
	Total	27.12	4.64	4.46	27.31	-	1.07	26.23	-	0.93	25.30

SUBSTATION WISE REQUIREMENTS OF METERS

SL. NO.	Name of Sub-station / Site	QUANTITY (NUMBERS)					Name of Consignee
		ABT Meter	Meter Panel/Rack			CMRI	
			4	8	16		
1.0	132 KV EHV Grid Sub-Station,ASEB, Dhaligaon-783385, Bongaigaon District(Assam)	6	0	1	0	1	RE,132 KV EHV Grid Sub-Station,ASEB, Dhaligaon-783385, Bongaigaon District (Assam)
2.0	132 KV EHV Grid Sub-Station, ASEB, Barnagar, Sorbhog-781317 Barpeta District (Assam)	4	0	1	0	1	RE,132 KV EHV Grid Sub-Station,ASEB, Rangia-781354, Kamrup District(Assam)
3.0	132 KV EHV Grid Sub-Station,ASEB, Rangia-781354 Kamrup District (Assam)	4	0	1	0	1	RE,132 KV EHV Grid Sub-Station,ASEB, Rangia-781354, Kamrup District(Assam)
4.0	132 KV EHV Grid Sub-Station,Kahilipara, Guwahati-781019, Kamrup District(Assam)	18	0	1	1	1	RE,132 KV EHV Grid Sub-Station,Kahilipara, Guwahati-781019, Kamrup District (Assam)
5.0	220 KV EHV Grid Sub-Station,Sarusajai, Guwahati-781034 Kamrup District (Assam)	8	0	0	1	1	RE,220 KV EHV Grid Sub-Station,Sarusajai, Guwahati-781034, Kamrup District (Assam)
6.0	132 KV EHV Grid Sub-Station,ASEB, Rowta-784508 Darrang District (Assam)	4	0	1	0	1	RE,132 KV EHV Grid Sub-Station,ASEB,Depota, Balikpukhuri-784001 Sonitpur District (Assam)
7.0	132 KV EHV Grid Sub-Station,ASEB, Baghjap,Bhakatgaon-782411 Marigaon District (Assam)	6	0	1	0	1	EE,T&T Division,ASEB,Narangi, Guwahati-781026 Kamrup District (Assam)
8.0	132 KV EHV Grid Sub-Station,ASEB,Depota Balikpukhuri-784001 Sonitpur District (Assam)	6	1	1	0	1	RE,132 KV EHV Grid Sub-Station,ASEB,Depota, Balikpukhuri-784001 Sonitpur District (Assam)
9.0	132 KV EHV Grid Sub-Station,Panchgram ASEB (NEW) Panchgram-788802 Hailakandi District (Assam)	10	0	0	1	1	RE,132 KV EHV Grid Sub-Station,Panchgram, ASEB,Panchgram-788802 Hailakandi District (Assam)
10.0	132 KV EHV Grid Sub-Station,Panchgram ASEB (OLD), Panchgram-788802 Hailakandi District (Assam)	4	0	1	0	1	RE,132 KV EHV Grid Sub-Station,Panchgram, ASEB,Panchgram-788802 Hailakandi District (Assam)
11.0	132 KV EHV Grid Sub-Station, ASEB, APM Jogighopa-783382 Goalpara District (Assam)	4	0	1	0	1	EE, T&T Division,ASEB, Agia-783120, Goalpara District (Assam)

Annexure V contd...

SL. NO.	Name of Sub-station / Site	QUANTITY (NUMBERS)				CMRI	Name of Consignee
		ABT Meter	Meter Panel/Rack				
			4	8	16		
12.0	132 KV EHV Grid Sub-Station, Gauripur-783331 Dhubri District (Assam)	4	0	1	0	1	RE,132 KV EHV Grid Sub-Station,ASEB, Dhaligaon-783385, Bongaigaon District.(Assam)
13.0	132 KV EHV Grid Sub-Station, ASEB, Gohpur-784168, Sonitpur District.(Assam)	8	0	1	0	1	RE,132 KV EHV Grid Sub-Station,ASEB, Depota Balikpuukhuri-784001 Sonitpur District.(Assam)
14.0	132 KV EHV Grid Sub-Station , ASEB, North Lakhimpur-787001 Lakhimpur District.(Assam)	4	0	1	0	1	Executive Engineer,T&T Division North Lakhimpur-787001 Lakhimpur District.(Assam)
15.0	132 KV EHV Grid Sub-Station , ASEB, Dullavcherra, Dullavcherra-788736 Karimganj District.(Assam)	6	0	1	0	1	Executive Engineer,T&T Division, ASEB, Silchar-788001 Cachar District.(Assam)
16.0	132 KV EHV Grid Sub-Station Assam State Electricity Broad, Pailapool	6	0	1	0	1	Executive Engineer,T&T Division, ASEB, Silchar-788001 Cachar District.(Assam)
17.0	132 KV EHV Grid Sub-Station, ASEB, Haflong-788819 NC Hills District.(Assam)	6	1	0	0	1	Executive Engineer,T&T Division, ASEB, Silchar-788001 Cachar District.(Assam)
18.0	220 KV EHV Grid Sub-Station, Assam State Electricity Board, Samaguri	14	1	0	1	1	RE, 220 KV EHV Grid Sub-Station, Samaguri-782140 Nowgong District.(Assam)
19.0	220 KV EHV Grid Sub-Station, ASEB, Mariani-785634, Jorhat District.(Assam)	16	0	0	1	1	RE, 220 KV EHV Grid Sub-Station,ASEB, Mariani-785634, Jorhat District.(Assam)
20.0	132 KV EHV Grid Sub-Station, ASEB, Dibrugarh-786001, Dibrugarh District.(Assam)	8	0	1	0	1	RE,132 KV EHV Grid Sub-Station,ASEB, Dibrugarh-786001, Dibrugarh District.(Assam)
21.0	132 KV EHV Grid Sub-Station, Sankardev Nagar,Jorapukhuri, Nowgong District.(Assam)	4	0	1	0	1	RE, 220 KV EHV Grid Sub-Station, Samaguri-782140, Nowgong District.(Assam)

Annexure V contd...

SL. NO.	Name of Sub-station / Site	QUANTITY (NUMBERS)					Name of Consignee
		ABT Meter	Meter Panel/Rack			CMRI	
			4	8	16		
22.0	132 KV EHV Grid Sub-Station,Gossaigaon (Joyma) Gossaigaon-783360, Kokrajhar District. (Assam)	4	0	1	0	1	RE,132 KV EHV Grid Sub-Station,ASEB, Dhaligaon-783385, Bongaigaon District,(Assam)
23.0	66 KV EHV Grid Sub-Station, ASEB, Golaghat-785621 Golaghat District,(Assam)	8	1	1	0	1	EE,T&T Division, ASEB, Jorhat-785001, Jorhat District,(Assam)
24.0	66 KV EHV Grid Sub-Station, ASEB, Bokajan-782480 Karbi Anglong District,(Assam)	10	0	0	1	1	EE,T&T Division, ASEB, Jorhat-785001, Jorhat District,(Assam)
25.0	220 KV Sub-Station, Bongaigaon Thermal Power Station, Assam State Electricity Board, P.O. Salakati-783369,Dist. Kokrajhar,Assam	12	0	0	1	1	Power Station Superintendent, Bongaigaon Thermal Power Station, Assam State Electricity Board, P.O. Salakati-783369,Dist.Kokrajhar, Assam
26.0	220/132/66/33 KV Grid Sub-Station, Assam State Electricity Board, Tinsukia-786125, District:Tinsukia,Assam.	10	0	2	0	1	Resident Engineer, 220/132/66/33 KV Grid Sub-Station, Assam State Electricity Board, Tinsukia-786125, District:Tinsukia,Assam
27.0	66/33 KV Rupai Grid Sub-Station, Assam State Electricity Board, Doomdoma, District: Tinsukia, Assam	6	1	1	0	1	Resident Engineer, 220/132/66/33 KV Grid Sub-Station, Assam State Electricity Board, Tinsukia-786125, District: Tinsukia, Assam
28.0	132/33 KV EHV Grid Sub-Station, Assam State Electricity Board, Margheria (Ledo) Margherita-786181, District: Tinsukia, Assam	12	4	1	0	1	Resident Engineer, 220/132/66/33 KV Grid Sub-Station, Assam State Electricity Board, Tinsukia-786125, District: Tinsukia, Assam
29.0	132/33 KV EHV Grid Sub-Station, Assam State Electricity Board, Garmur,Jorhat-785001, District:Jorhat, Assam	4	0	1	0	1	Resident Engineer, 220 KV Grid Sub-Station, Assam State Electricity Board, Mariani-785634, Jorhat District, Assam

Annexure V contd

SL. NO.	Name of Sub-station / Site	QUANTITY (NUMBERS)					Name of Consignee
		ABT Meter	Meter Panel/Rack			CMRI	
			4	8	16		
30.0	132/66/33 KV Nazira (Gargaon) Assam State Electricity Board, Nazira-785685 Sibsagar District, Assam	8	1	1	0	1	Resident Engineer, 220 KV Grid Sub-Station, Assam State Electricity Board, Mariani-785634, Jorhat District, Assam
31.0	66/33 KV Grid Sub-Station, Assam State Electricity Board, Diphu-782460 District: Karbi Anglon, Assam	4	0	1	0	1	Executive Engineer, T&T Division, Assam State Electricity Board, Jorhat-785001, District: Jorhat, Assam
32.0	132/33/11 KV Grid Sub-Station, Dispur Assam State Electricity Board, Guwahati-781006, District:Kamrup, Assam	8	0	1	0	1	To be notified later.
33.0	132/33 KV Dhemaji Sub-Station	4	0	1	0	1	Executive Engineer, T&T Division North Lakhimpur-787001 Lakhimpur District.(Assam)
34.0	132/33 KV Grid Sub-Station, Sisugram, District-Kamrup, Assam	6	0	1	0	1	Executive Engineer, Assam State Electricity Board, Transmission Division, Narangi, Guwahati-781026, District: kamrup, Assam
35.0	132/33 KV Chandrapur Sub-Station, Chandrapur Thermal Power Station, Chandrapur-781150 District: Kamrup, Assam.	10	0	0	1	1	Executive Engineer, Assam State Electricity Board, Transmission Division, Narangi, Guwahati-781026, District: kamrup, Assam
36.0	Lakwa Thermal Power Station, ASEB P.O. Mathurapur, District: Sibsagar, Assam	12	0	0	1	1	Senior Thermal Power Station, Lakwa Thermal Power Station, Maibella, P.O. Mathurapur, District: Sibsagar, Assam
37.0	Namrup Thermal Power Station, Assam State Electricity Board, P.O. NTPS, Namrup District: Dibrugarh, Assam.	28	1	0	2	1	Senior Power Station Superintendent, Namrup Thermal Power Station, Assam State Electricity Board, P.O. NTPS, Namrup District: Dibrugarh, Assam
38.0	12 New Sub-Station under Construction	24	0	12	0	12	To be notified later
39.0	Others points	16	10	1	0	0	To be notified later
40.0	Spare	12	0	0	0	2	To be notified later
TOTAL		348	21	41	11	51	

Form T20/D20

EXISTING TARIFF AND PROPOSED TARIFF

Sl. No.	Name of Distribution Company	Existing Transmission Charges		Proposed Transmission Charges	
		Particulars	Rates (paise / KWh)	PARTICULARS	Rates (paise / KWh)
1	UAEDCL	Transmission Charges	16.00	Transmission Charges	13.99
2	CAEDCL	Transmission Charges	16.00	Transmission Charges	13.99
3	LAEDCL	Transmission Charges	16.00	Transmission Charges	13.99

Form D2/AT2

Revenue from Sale of Power

Sl. No.	Name of Distribution company	Current year 2005-06			Ensuing year 2006-07		
		Energy Transmitted (MU)	Revenue (Rs crores)	Average realisation (paisa/unit)	Energy Transmitted (MU)	Revenue (Rs crores)	Average realisation (paisa/unit)
1	UAEDCL	1,022.506	16.36	16.00	1,120.401	15.67	13.99
2	CAEDCL	901.467	14.42	16.00	1,029.777	14.41	13.99
3	LAEDCL	1,357.084	21.71	16.00	1,410.448	19.73	13.99
	Total	3,281.06	52.50	16.00	3,560.63	49.81	13.99

Transmission Charges

2006-07				FORM T21/D21				
Sl. No.	Name of Distribution Company	Transmission (MU)	Transmission Charges at Existing Tariff		Transmission Charges at Proposed Tariff		Expected Additional Revenue at Proposed Charges (Rs.crores)	Proposed Percentage Increase (%)
			Rate (paise / kWh)	Amount (Rs. crores)	Rate (paise / kWh)	Amount (Rs. crores)		
1	UAEDCL	1,120.401	16	17.93	13.99	15.67	-2.25	-13%
2	CAEDCL	1,029.777	16	16.48	13.99	14.41	-2.07	-13%
3	LAEDCL	1,410.448	16	22.57	13.99	19.73	-2.83	-13%
		3,560.626		56.97		49.81	-7.16	-13%

Annexure IX

**Reliability Index of Sub station & Lines 66 KV Grid Sub station, Golaghat
(April' 04 to March' 05)**

Sl.N	Name Of the Sub Station / o Feeders	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
1	66 KV Golaghat Sub station	98.50%	97.80%	96.30%	97.45%	98.65%	98.50%	97.40%	98.30%	97.45%	98.20%	96.50%	97.20%
2	33 KV Kamarbandha Feeder	89.50%	90.45%	91.25%	90.30%	89.20%	87.25%	85.65%	87.50%	70.80%	69.25%	89.30%	87.20%
3	33 KV Numaligarh Feeder	78.50%	75.89%	69.70%	79.45%	70.75%	69.90%	78.50%	81.20%	78.40%	75.70%	78.35%	79.30%
4	33 KV Usha Feeder	79.65%	81.45%	72.35%	76.40%	78.50%	78.49%	76.45%	78.50%	76.45%	75.30%	76.60%	79.15%
5	33 KV Leteku Feeder	81.56%	80.50%	82.34%	81.30%	77.45%	79.85%	82.30%	81.10%	82.50%	80.25%	85.25%	78.25%
6	11 KV Golaghat Feeder	83.30%	86.60%	89.40%	90.65%	89.45%	81.25%	85.45%	90.30%	92.05%	91.40%	83.30%	81.30%
7	11 KV Farkating Feeder	74.80%	79.45%	77.35%	90.10%	91.30%	80.45%	79.90%	77.40%	79.40%	92.30%	91.25%	73.30%
8	11 KV Leteku Feeder	87.18%	81.46%	84.38%	86.56%	87.55%	84.30%	80.40%	79.50%	77.65%	79.35%	87.47%	85.45%
9	11 KV Baruah Bamungoan Feeder	78.50%	79.20%	81.48%	85.45%	80.25%	85.80%	84.50%	81.40%	84.30%	85.40%	87.20%	78.10%
10	11 KV Doria Feeder	69.99%	84.30%	82.35%	81.70%	83.52%	84.30%	87.50%	77.55%	79.40%	70.56%	84.25%	82.30%
11	11 KV Dhansiri Feeder	89.85%	91.35%	90.10%	92.45%	89.45%	87.75%	85.25%	85.40%	87.30%	88.45%	89.10%	87.35%

Annexure IX contd...

**Reliability Index of 132 KV Depota Grid Substation
(April' 04 to March' 05)**

Sl.N	Name Of the Sub Station / o Feeders	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
1	132 KV Sub station Depota	99.95%	99.91%	99.84%	99.64%	99.03%	99.81%	99.62%	99.18%	99.53%	99.18%	99.72%	99.44%
2	132 KV Incoming Line	97.75%	99.39%	99.00%	98.06%	99.11%	99.07%	98.56%	99.12%	99.78%	98.23%	99.15%	99.27%
3	33 KV Jamuguri Feeder	73.70%	75.28%	87.86%	92.00%	88.07%	88.13%	89.15%	92.14%	74.35%	74.52%	89.03%	90.75%
4	33 KV Balipara Feeder	77.54%	76.53%	81.38%	87.62%	82.07%	83.09%	83.46%	85.45%	74.73%	74.96%	89.48%	89.46%
5	33 KV Missamari Feeder	75.25%	74.31%	90.52%	81.23%	80.94%	87.83%	89.45%	90.25%	75.03%	71.44%	88.25%	89.15%
6	33 KV Tezpur -I Feeder	85.76%	84.19%	90.99%	90.65%	85.94%	84.93%	81.15%	86.25%	83.97%	89.74%	93.49%	91.42%
7	33 KV Tezpur -II Feeder	94.15%	96.02%	97.04%	97.58%	96.14%	97.46%	94.46%	96.72%	93.46%	95.62%	98.33%	97.13%
8	33 KV Dhekiajuli Feeder	88.21%	92.12%	97.66%	84.32%	98.49%	86.13%	97.25%	94.24%	87.96%	90.47%	96.78%	96.15%
9	33 KV University Feeder	96.24%	95.96%	97.81%	96.89%	95.95%	96.52%	97.15%	96.16%	96.16%	96.99%	96.00%	97.70%

**Reliability Index of 132 KV EHV Grid Substation, Pailapool
(April' 04 to March' 05)**

Sl.N o	Name of the Feeders	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
1	132 KV Pailapool Jiribum Feeder	98.00%	99.00%	99.00%	85.00%	99.00%	99.00%	98.00%	100.00%	100.00%	100.00%	99.00%	99.00%
2	33 KV Pailapool Udarband Feeder	82.00%	94.00%	93.00%	93.00%	91.00%	91.00%	98.00%	99.00%	92.00%	99.00%	99.00%	92.00%
3	33 KV Pailapool Meherpur Feeder	25.00%	Under shut down	Line under shut	81.00%	90.00%	96.00%	98.00%	99.00%	93.00%	97.00%	99.00%	91.00%
4	11 KV Lakhipur Feeder	97.00%	95.00%	99.00%	93.00%	99.00%	99.00%	98.00%	99.00%	99.90%	99.00%	99.00%	97.00%
5	11 KV Kumbhirgram Feeder	79.00%	85.00%	96.00%	96.00%	95.00%	92.00%	92.00%	94.00%	87.00%	75.00%	99.00%	93.00%
6	11 KV Burthal Feeder	69.00%	89.00%	95.00%	93.00%	95.00%	87.00%	91.00%	95.00%	85.00%	72.00%	99.00%	89.00%
7	11 KV Kamranga Feeder	71.00%	88.00%	95.00%	92.00%	93.00%	87.00%	95.00%	95.00%	85.00%	72.00%	99.00%	91.00%
8	11 KV Udharband Feeder	72.00%	83.00%	86.00%	91.00%	90.00%	89.00%	84.00%	90.00%	86.00%	72.00%	98.00%	91.00%
9	11 KV Binnakandi Feeder	58.00%	96.00%	89.00%	94.00%	96.00%	92.00%	91.00%	95.00%	89.00%	82.00%	98.00%	94.00%
10	33 KV D.I.F (Buskandi) Feeder	83.00%	99.00%	96.00%	88.00%	93.00%	94.00%	87.00%	94.00%	87.00%	78.00%	99.00%	93.00%

**Reliability Index of 132 KV EHV Tinsukia Grid Substation
(April' 04 to March' 05)**

Sl.No	Name of the Feeders	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
1	11 KV Deohal Feeder	92.00%	87.80%	85.80%	82.10%	78.80%	79.00%	80.00%	81.90%	89.24%	88.57%	93.89%	88.03%
2	11 KV Chobua Feeder	83.00%	82.50%	86.50%	75.90%	81.10%	82.00%	79.00%	84.00%	87.09%	89.24%	86.30%	87.50%
3	11 KV Flour Mill Feeder	87.00%	87.90%	88.30%	87.00%	85.60%	85.00%	86.00%	89.00%	88.57%	88.00%	93.60%	94.35%
4	11 KV Electric Supply Feeder	87.00%	94.30%	89.10%	84.00%	82.60%	81.00%	78.00%	86.00%	89.24%	89.24%	89.28%	90.86%
5	11 KV Steel worth Feeder	90.00%	86.90%	86.60%	84.00%	86.20%	83.00%	79.00%	88.60%	88.30%	89.24%	91.66%	91.39%
6	11 KV Makum Feeder	92.00%	92.40%	91.50%	84.60%	85.10%	84.00%	79.50%	89.40%	93.27%	92.00%	94.94%	88.44%
7	33 KV Borduli Feeder	97.00%	96.90%	97.20%	95.20%	94.40%	93.00%	83.60%	97.00%	96.90%	97.00%	97.76%	95.83%
8	33 KV MGT Feeder	78.00%	99.00%	99.70%	98.30%	94.70%	95.00%	97.00%	94.40%	98.25%	97.58%	99.40%	90.59%
9	33 KV Margherita Feeder	66.00%	96.50%	96.30%	87.70%	92.20%	94.00%	96.00%	94.40%	97.58%	94.89%	99.70%	95.29%
10	33 KV Diujan Feeder	83.00%	91.90%	95.00%	87.60%	87.70%	86.00%	96.00%	95.40%	94.89%	95.96%	97.32%	96.10%
11	33 KV TSK Town Feeder	98.00%	97.80%	99.00%	97.00%	97.20%	98.00%	95.00%	98.30%	97.71%	97.09%	99.85%	98.11%
12	33 KV Digboi Feeder	94.00%	94.30%	97.00%	96.00%	88.60%	98.00%	97.00%	96.90%	95.96%	97.98%	93.45%	93.81%
13	33 KV Doom Dooma I Feeder	90.00%	96.20%	98.00%	96.60%	94.70%	93.00%	95.00%	98.40%	97.98%	98.25%	98.24%	97.84%
14	33 KV Doom Dooma II Feeder	82.00%	80.60%	87.70%	62.20%	98.40%	82.00%	97.00%	98.30%	94.08%	95.96%	89.88%	98.38%
15	66 KV NTPS-TSK I Feeder	72.00%	88.30%	96.80%	94.40%	94.70%	94.00%	90.80%	99.30%	99.93%	98.54%	99.85%	92.60%
16	66 KV NTPS-TSK II Feeder	90.00%	95.60%	96.90%	99.50%	97.70%	68.00%	99.00%	99.80%	99.79%	96.77%	100.00%	97.58%
17	66 KV Rupai Feeder	99.00%	99.40%	98.10%	91.50%	98.10%	96.00%	99.00%	99.00%	98.52%	99.79%	99.85%	97.84%
18	66 KV TSK-Dibrugarh Feeder	73.00%	86.90%	98.30%	98.20%	95.80%	96.00%	99.00%	99.00%		98.52%	99.85%	97.84%
19	132 KV Margherita Feeder	96.00%	99.30%	98.80%	98.20%	97.30%	94.00%	98.00%	96.30%	96.77%	96.77%	98.95%	97.08%
20	132 KV NTPS-TSK Feeder (incomii	97.00%	99.50%	99.30%	99.40%	98.40%	96.00%	99.00%	97.50%	97.44%	95.96%	99.85%	98.11%
21	132 KV TSK Dibrugarh Feeder	96.00%	98.20%	94.00%		96.80%							

**Reliability Index of Feeders 132 KV Grid Substation, Dhaligaon
(April' 04 to March' 05)**

Sl.N o	Name of the Feeders	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
1	132 KV BTPS-I	91.75%	99.75%	100.00%	99.30%	99.89%	98.62%	99.70%	100.00%	100.00%	100.00%	98.93%	89.59%
2	132 KV BTPS-II	95.37%	98.74%	100.00%	99.03%	99.87%	93.45%	99.62%	99.84%	99.76%	100.00%	98.93%	92.30%
3	132 KV Rangia	94.66%	93.59%	99.74%	92.28%	100.00%	99.23%	93.20%	99.08%	99.44%	99.69%	98.87%	94.57%
4	132 KV Boranagar	99.87%	97.75%	99.98%	99.46%	99.97%	98.39%	99.71%	99.96%	99.90%	100.00%	99.60%	99.88%
5	132 KV Gosaigoan	98.26%	95.21%	99.96%	99.56%	99.98%	93.18%	98.99%	98.95%	100.00%	100.00%	99.92%	98.22%
6	132 KV BRPL	93.55%	99.15%	99.92%	99.94%	99.89%	99.47%	98.73%	100.00%	98.02%	99.90%	99.99%	95.64%
7	132 KV APM	99.11%	99.99%	99.89%	99.89%	99.98%	99.42%	98.09%	98.85%	91.58%	99.99%	98.45%	99.74%
8	33 KV Kokrajhar	85.53%	90.61%	94.95%	95.97%	97.62%	87.42%	89.44%	92.76%	89.49%	92.90%	95.63%	91.91%
9	33 KV Chapaguri	97.92%	95.12%	98.55%	98.34%	99.02%	98.59%	95.85%	96.08%	94.74%	94.40%	98.40%	96.90%
10	33 KV Bijni	91.74%	94.45%	95.88%	96.11%	81.96%	97.42%	99.09%	92.53%	88.07%	86.53%	94.90%	95.04%
11	33 KV Railway	83.94%	93.69%	97.45%	98.21%	99.22%	96.27%	95.09%	95.37%	93.54%	93.94%	99.47%	97.78%
12	33 KV BRPL	100.00%	99.92%	99.89%	99.64%	99.85%	99.15%	98.84%	84.69%	100.00%	99.53%	99.40%	99.98%
13	33 KV Bongaigaon	93.24%	91.32%	97.47%	97.23%	97.62%	96.51%	95.28%	93.77%	86.72%	86.50%	91.77%	97.21%

**Reliability Index of Feeders, 220 KV Samaguri Grid Substation
(April' 04 to March' 05)**

Sl.N o	Name of the Feeders	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
1	220 KV Samaguri-Sarusajai	99.00%	97.00%	97.00%	99.00%	99.00%	97.00%	97.00%	97.00%	90.00%	96.00%	93.00%	97.00%
2	220 KV Sarusajai-Kapili I	99.00%	95.00%	99.00%	99.00%	99.00%	99.00%	98.00%	100.00%	100.00%	99.00%	100.00%	98.00%
3	220 KV Sarusajai-Kapili II	99.00%	99.00%	99.00%	100.00%	99.00%	99.00%	98.00%	100.00%	100.00%	99.00%	100.00%	99.00%
4	220 KV Samaguri-Mariani I	95.00%	91.00%	96.00%	78.00%	99.00%	98.00%	100.00%	100.00%	90.00%	99.00%	95.00%	98.00%
5	220 KV Samaguri-Mariani II	98.00%	99.00%	99.00%	99.00%	99.00%	90.00%	100.00%	89.00%	100.00%	99.00%	100.00%	99.00%
6	132 KV Samaguri-Kahilipara	99.00%	79.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	100.00%	98.00%	90.00%	99.00%
7	132 KV Samaguri-Sankardev Nagar	98.00%	96.00%	91.00%	96.00%	99.00%	99.00%	99.00%	99.00%	90.00%	99.00%	99.00%	99.00%
8	132 KV Samaguri-Gohapur	100.00%	97.00%	99.00%	91.00%	99.00%	99.00%	98.00%	83.00%	90.00%	99.00%	96.00%	99.00%
9	33 KV SMG Nagaon-I	96.00%	98.00%	98.00%	98.00%	93.00%	99.00%	98.00%	98.00%	90.00%	97.00%	99.00%	98.00%
10	33 KV SMG Nagaon-II	95.00%	98.00%	98.00%	99.00%	98.00%	99.00%	99.00%	98.00%	90.00%	97.00%	99.00%	98.00%
11	33 KV SMG Kathiatali	88.00%	88.00%	95.00%	95.00%	96.00%	96.00%	96.00%	89.00%	80.00%	80.00%	85.00%	93.00%
12	33 KV Samaguri-Silaghat	84.00%	73.00%	94.00%	98.00%	94.00%	95.00%	94.00%	88.00%	70.00%	78.00%	87.00%	92.00%
13	33 KV Samaguri-Rupali	84.00%	89.00%	95.00%	88.00%	89.00%	94.00%	93.00%	89.00%	86.00%	70.00%	78.00%	86.00%
14	11 KV Samaguri-Puranigudam	82.00%	91.00%	93.00%	94.00%	83.00%	88.00%	96.00%	90.00%	89.00%	80.00%	81.00%	85.00%
15	11 KV Samaguri	93.00%	94.00%	98.00%	97.00%	95.00%	98.00%	97.00%	93.00%	90.00%	86.00%	93.00%	97.00%
16	11 KV Samaguri-Jakhalabandha	87.00%	90.00%	95.00%	93.00%	91.00%	93.00%	91.00%	93.00%	87.00%	89.00%	80.00%	84.00%
17	11 KV Samaguri-Nanoi	85.00%	88.00%	95.00%	97.00%	93.00%	98.00%	88.00%	91.00%	88.00%	85.00%	87.00%	87.00%

**Reliability Index of Feeders, 132 KV Kahilipara Grid Substation
(April' 04 to March' 05)**

Sl.No	Name of the Feeders	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
1	132 KV Samaguri Feeder			99.25%			99.25%	99.27%	99.92%	99.68%		89.84%	
2	132 KV C.T.P.S Feeder			99.15%			99.15%	99.17%	99.60%	99.76%		98.85%	
3	132 KV Rangia Feeder			99.50%			99.50%	99.46%	100.00%	99.66%		98.97%	
4	132 KV Sisugram Feeder			99.30%			99.30%	99.38%	99.89%	100.00%		100.00%	
5	132 KV Sarusajai-I Feeder			90.35%			96.35%	99.06%	98.65%	99.71%		98.32%	
6	132 KV Sarusajai-II Feeder			95.18%			95.18%	98.99%	98.39%	98.08%		98.32%	
7	132 KV Me SEB-I Feeder			95.10%			95.10%	98.53%	99.51%	96.51%		99.74%	
8	132 KV Me SEB-II Feeder			96.81%			96.81%	98.57%	100.00%	98.49%		99.68%	
9	33 KV Ulubari-I Feeder	98.39%	99.46%	99.40%	99.82%	99.34%	99.40%	97.90%	99.28%	99.76%	98.81%	99.75%	99.94%
10	33 KV Ulubari-II Feeder	98.83%	99.50%	99.38%	99.71%	99.59%	99.38%	98.02%	99.96%	99.80%	98.24%	99.86%	99.83%
11	33 KV Jawhar Nagar I Feeder	98.29%	98.87%	99.59%	99.85%	97.97%	99.59%	99.13%	96.29%	99.75%	99.77%	99.41%	99.84%
12	33 KV Jawhar Nagar II Feeder	98.37%	98.98%	97.91%	98.25%	98.27%	97.91%	98.26%	99.85%	98.75%	99.93%	99.59%	98.75%
13	33 KV Medical Feeder	98.89%	99.78%	99.89%	98.95%	99.67%	99.89%	99.43%	99.53%	99.84%	98.93%	99.94%	99.97%
14	33 KV Narengi/Zoo Road Feeder	89.80%	99.75%	96.52%	99.36%	99.50%	96.52%	98.97%	99.47%	99.28%	99.63%	99.92%	99.59%
15	33 KV Paltanbazar Feeder			98.77%			95.77%	99.30%	99.99%	99.98%		99.94%	
16	33 KV Garbhanga Feeder			100.00%			100.00%	99.70%	100.00%	100.00%		100.00%	
17	33 KV Jalukbari Feeder	96.64%	96.81%	97.28%	99.43%	99.35%	97.28%	98.93%	99.53%	99.60%	97.92%	99.39%	99.25%
18	33 KV Fatasil Feeder	96.98%	97.77%	99.22%	99.27%	99.19%	99.22%	98.84%	99.83%	98.87%	99.07%	99.42%	99.64%
19	11 KV South Feeder	98.99%	98.39%	99.05%	99.80%	99.77%	99.05%	99.14%	99.60%	99.00%	98.86%	97.14%	99.49%
20	11 KV Capital Feeder	99.34%	99.66%	99.65%	99.72%	99.79%	99.65%	99.75%	99.95%	99.90%	99.95%	99.47%	99.92%
21	11 KV West Feeder	97.06%	97.28%	97.57%	97.52%	97.66%	97.57%	98.41%	99.09%	98.36%	98.71%	96.58%	98.89%
22	11 KV North West Feeder	97.22%	98.42%	99.50%	98.85%	98.77%	99.50%	98.55%	99.20%	98.56%	97.50%	96.32%	98.69%

Annexure IX contd...

**Reliability Index of 132 KV Margherita Grid Substation, Ledo
(April' 04 to March' 05)**

Sl.N	Name of the Feeders	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05
1	33 KV Lekhapani	94.58%	93.81%	95.00%	93.01%	91.39%	88.33%	93.14%	93.75%	95.16%	93.95%	93.75%	84.94%
2	11 KV Industrial	88.33%	91.80%	93.47%	88.84%	84.13%	82.50%	85.48%	90.13%	87.63%	87.36%	90.47%	88.44%
3	11 KV Tiradip Mine	89.86%	90.05%	91.52%	88.44%	82.79%	84.86%	87.36%	89.58%	88.70%	85.48%	88.54%	91.66%
4	11 KV Town	91.11%	93.41%	93.75%	91.93%	88.97%	86.11%	90.86%	93.75%	94.75%	91.93%	94.19%	94.35%
5	11 KV Tikok	94.44%	96.63%	97.22%	95.96%	90.45%	89.16%	93.81%	95.69%	94.89%	92.20%	97.32%	97.32%
6	11 KV Borgolai	91.11%	93.14%	91.80%	90.45%	88.17%	92.08%	95.56%	94.30%				
7	33 KV Margherita	89.86%	94.08%	96.11%	95.29%	90.86%	89.02%	94.62%	96.11%	97.71%	98.11%	99.46%	93.41%

Annexure X

DETAILS OF TRANSMISSION LINE UNDER AEGCL: 2005-06

(A) UPPER ASSAM T&T CIRCLE

SL	Name of Feeder	Voltage rating (kV)	No. of circuit	Type of conductor	Line length (KM)
1	Samaguri – Mariani - I	220	S/C	ACSR Deer	106
2	Samaguri – Mariani - II	220	S/C	ACSR Zebra	80
3	Tinsukia - Kathalguri	220	D/C	AAAC Zebra	24
4	LTPS-NTPS – I	132	D/C	ACSR Panther	2x60
5	NTPS – Tinsukia	132	S/C	ACSR Panther	48.502
6	Tinsukia – Dibrugarh	132	S/C	ACSR Panther	48.3
7	Tinsukia – Margherita	132	D/C	ACSR Panther	2x52.923
8	LTPS - Nazira	132	D/C	ACSR Panther	2x21.314
9	LTPS – Mariani	132	S/C	ACSR Panther	82
10	Mariani – Mokokchang	132	S/C	ACSR Panther	18.5
11	Mariani – Jorhat	132	D/C	ACSR Panther	2x20
12	Mariani – Dimapur	132	S/C	ACSR Panther	104
13	NTPS – Tinsukia	66	D/C	ACSR Wolf	48.01
14	Tinsukia – Dibrugarh	66	S/C	ACSR Wolf	48.83
15	Tinsukia – Rupai	66	S/C	ACSR Wolf	24.68
16	NTPS – Nazia	66	D/C	ACSR Wolf	2x74
17	Nazira – Mariani	66	D/C	ACSR Wolf	2x58
18	Mariani – Golaghat	66	D/C	ACSR Wolf	2x40
19	Golaghat – Bokajan	66	S/C	ACSR Wolf	64
20	Bokajan – Diphu	66	D/C	ACSR Wolf	2x39
21	Bokajan - Dimapur	66	S/C	ACSR Wolf	10

(B) TEZPUR T&T CIRCLE

SL	Name of Feeder	Voltage rating (kV)	No. of circuit	Type of conductor	Line length (KM)
1	Samaguri – Sarusajai - I	220	S/C	ACSR Deer	96.5
2	Samaguri – Sarusajai - II	(132)	S/C	ACSR Deer	96.5
3	Samaguri – Balipara - I	220	S/C	AAAC Zebra	49
4	Samaguri – Balipara	(132)	S/C	AAAC Zebra	49
5	Rangia-Rowta-Depota	132	S/C	ACSR Panther	180
6	Depota/Samaguri-Gohpur (one Ckt. is charged)	132	D/C	ACSR Panther	2x111
7	Gohpur-Nalkata (one Ckt. is charged)	132	D/C	ACSR Panther	2x77
8	Samaguri-Lanka	132	S/C	ACSR Panther	59
9	Nalkata-Majuli (charged at 33 kV)	132	S/C	ACSR Panther	46
10	Nalkata- Dhemaji	132	S/C	ACSR Panther	63

Annexure X contd...

(C) LOWER ASSAM T&T CIRCLE

SL	Name of Feeder	Voltage rating (kV)	No. of circuit	Type of conductor	Line length (KM)
1	Sarusajai - Langpi	220	D/C	ACSR Zebra	2x105.42
2	Sarusajai – Agia – BTPS One line charged at 118 KM	220	D/C	AAAC Zebra	2x194
3	Chandrapur-Baghjap	132	S/C	ACSR Panther	39
4	Sishugram-PBSL	132	S/C	ACSR Panther	27.48
5	Dhaligaon-BTPS	132	D/C	ACSR Panther	2x20
6	Dhaligaon-Rangia	132	S/C	ACSR Panther	140
7	Dhaligaon-Barnagar	132	S/C	ACSR Panther	40
8	Dhaligaon-BRPL	132	S/C	ACSR Panther	0.6
9	Dhaligaon-APM	132	S/C	ACSR Panther	37
10	Dhaligaon-Gossaigaon	132	S/C	ACSR Panther	62
11	Gossaigaon-Gauripur	132	S/C	ACSR Panther	62.10
12	Rangia-Barnagar	132	S/C	ACSR Panther	100
13	Panchgram-Pailapool	132	S/C	ACSR Panther	51.40
14	Panchgram-Dullavcherra	132	S/C	ACSR Panther	46
15	Panchgram-Khleriat	132	S/C	ACSR Panther	29.50
16	Panchgram-HPC	132	S/C	ACSR Panther	1.32
17	Pailapool-Jiribam	132	S/C	ACSR Panther	12
18	Dullavcherra-Dharmanagar	132	S/C	ACSR Panther	26
19	Dullavcherra- Vareingte	132	S/C	ACSR Panther	33.40

Annexure X contd...

(D) C & C CIRCLE

SL	Name of Feeder	Voltage rating (kV)	No. of circuit	Type of conductor	Line length (KM)
1	Kahilipara - MeSEB	132	D/C	ACSR Panther	2x17
2	Kahilipara - Sarusajai	132	D/C	ACSR Panther	2x3.14
3	Kahilipara - CTPS	132	D/C	ACSR Panther	24
4	Kahilipara - Rangia	132	D/C	ACSR Panther	46.6
5	Kahilipara - Sishugram	132	S/C	ACSR Panther	11.8
6	Sishugram - Rangia	132	S/C	ACSR Panther	34.8

Annexure X contd...

DETAILS OF EHV TRANSFORMERS UNDER AEGCL: 2005-06

(A) UPPER ASSAM T&T CIRCLE

SL	Sub-Station	Rating (KV/MVA)	Line Bays	Tr. Bays	S/S Aux. Cons. (MU)
1	Tinsukia	2x50MVA, 220/132KV 3X20MVA, 132/66KV 3X20MVA, 66/33KV	19	10	0.02
2	Margherita (Ledo)	2X10MVA, 132/33KV	4	2	0.001
3	Rupai (Doomdooma)	2X10MVA, 66/33KV	5	2	0.0016
4	Dibrugarh	1X20MVA, 132/66KV 1X31.5MVA, 132/33KV 2X10MVA, 66/33KV	7	9	0.003
5	Gargaon (Nazira)	1X25MVA, 132/33KV 2X16MVA, 66/33KV	13	5	0.004
6	Mariani	2X50MVA, 220/132KV 2X20MVA, 132/66KV 2X16MVA, 66/33KV	17	6	0.03
7	Garmur (Jorhat)	1X25MVA, 132/66KV 1X16MVA, 132/33KV	6	2	0.009
8	Golaghat	2X10MVA, 66/33KV 1X6.3MVA, 66/11KV	8	5	0.001
9	Bokajan	3X5MVA, 66/33KV	8	3	0.002
10	Diphu	2X5MVA, 66/33KV	5	2	0.005

(B) TEZPUR T&T CIRCLE

SL	Sub-Station	Rating (KV/MVA)	Line Bays	Tr. Bays	S/S Aux. Cons. (MU)
1	Samaguri	2x50MVA, 220/132KV 2X25MVA, 132/33KV	18	4	0.032
2	Depota	2X31.5MVA, 132/33KV	10	4	0.028
3	Rowta	2X12.5MVA, 132/33KV	6	2	0.028
4	Gohpur	2X10MVA, 132/33KV	10	2	0.048
5	Nalkata	2X10MVA, 132/33KV	5	2	0.005
6	Sankardev Nagar	2X16MVA, 132/33KV	5	2	0.011

Annexure X contd..

(C) LOWER ASSAM T&T CIRCLE

SL	Sub-Station	Rating (KV/MVA)	Line Bays	Tr. Bays	S/S Aux. Cons. (MU)
1	Dhaligaon	2X25MVA, 132/33KV	15	4	0.027
2	Gossaigaon (Joyma)	2X16MVA, 132/33KV	6	3	0.019
3	Gauripur	2X10MVA, 132/33KV	5	2	0.014
4	APM (Jogighopa)	1x16MVA, 132/33KV 1X12.5MVA, 132/33KV	7	2	0.001
5	Barnagar	2X10MVA, 132KV	7	2	0.001
6	Rangia	2X16MVA, 132KV	11	2	0.03
7	Sishugram	2X31.5MVA, 132/33KV	7	4	0.003
8	Baghjap	2X16MVA, 132/33KV	6	2	0.0097
9	Panchgram (Old)	2X10MVA, 132/33KV	5	2	0.004
10	Panchgram (New)	2X16MVA, 132/33KV	9	2	0.004
11	Pailapool	2X5MVA, 132/33KV	5	6	0.014
12	Dullavcherra	2X3.5MVA, 132/33KV	6	2	0.013
13	Haflong	2X5MVA, 132/33KV	6	3	0.014

(D) C & C CIRCLE

SL	Sub-Station	Rating (KV/MVA)	Line Bays	Tr. Bays	S/S Aux. Cons. (MU)
1	Sarusajai	2X100MVA, 220/132KV 1x50MVA, 220/132KV 1X31.5MVA, 132/33KV	11	6	0.01
2	Kahilipara	2X10MVA, 132/33KV 1X31.5MVA, 132/33KV 2X30MVA, 132/33KV	19	6	0.012

GOVERNMENT OF ASSAM
POWER (ELECT.) MINES & MINERALS DEPARTMENT

ORDERS BY THE GOVERNOR OF ASSAM
N O T I F I C A T I O N

NO.PEL.151/2003/Pt/349 : Dated Dispur, the 16th August, 2005.

In pursuance of Clauses 5 (6), 5(11), 6(3), 6(6) 9 and 13 of the Assam Electricity Reforms First Transfer Scheme, 2004, notified by the Government of Assam on 10th December 2004 (hereinafter called the Transfer Scheme), the Government of Assam is hereby pleased to make the following orders to give effect to the reorganization of the Assam State Electricity Board and the finalization of the provisional transfers effected as per the provisions of the Electricity Act, 2003 and the Transfer Scheme :

1. Subject to the terms and conditions contained in this order the Transfer Scheme shall be final.
2. Effective from 1st April 2005 the function of --
 - a) Generation Undertakings as specified in Schedule A to Transfer Scheme shall be conducted and shall be deemed to be and shall continue to be conducted and carried on by Assam Power Generating Corporation Limited as its own business and not as an agent of or on behalf of the Assam State Electricity Board ;
 - b) Transmission Undertaking as specified in Schedule B to the Transfer Scheme, State Transmission Utility and State Load Dispatch Centre shall be conducted and shall be deemed to be and shall continue to be conducted and shall be carried on by Assam Electricity Grid Corporation Limited as its own business and not as an agent of or on behalf of the Assam State Electricity Board;
 - c) Distribution Undertaking as specified in Schedules C to E to the Transfer Scheme shall be conducted and shall be deemed to be and shall continue to be conducted and shall be carried on by the distribution companies i.e. Upper Assam Electricity Distribution Company Limited, Central Assam Electricity Distribution Company Limited and Lower Assam Electricity Distribution Company Limited in the respective area of distribution and supply as their own business and not as on agent of or on behalf of the Assam State Electricity Board.

Contd.....2/-

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3. Effective 1st April 2005 the properties, rights and interests in the Bijulee Bhawan, Paltan Bazar, Guwahati and liabilities attached thereto shall stand transferred from the Assam State Electricity Board to Assam Electricity Grid Corporation Limited for all intent and purposes.
4. In pursuance of sub clause (6) of clause 5 of the Transfer Scheme the Government of Assam may, from time to time, transfer and vests such part of the functions, undertakings, properties, liabilities including contingent assets and contingent liabilities of the Assam State Electricity Board in such corporation or companies including the Transferees under the Transfer Scheme as the Government may consider appropriate.
5. (a) The provisional opening balance sheets of Assam Power Generating Corporation Limited, Assam Electricity Grid Corporation Limited, Upper Assam Electricity Distribution Company Limited, Central Assam Electricity Distribution Company Limited and Lower Assam Electricity Distribution Company Limited notified under Part II of the respective schedules A to E to the Transfer Scheme shall stand substituted by the opening balance sheets as provided in Schedules I to V to this order respectively as on 1st April 2005 for all intent and purposes.
(b) The balance sheet as provided in Schedule VI to this order shall be the residual opening balance sheet of Assam State Electricity Board as on 1st April 2005 after giving effect to the opening balance sheets of Assam Power Generating Corporation Limited, Assam Electricity Grid Corporation Limited, Upper Assam Electricity Distribution Company Limited, Central Assam Electricity Distribution Company Limited and Lower Assam Electricity Distribution Company Limited as on 1st April 2005.
(c) The opening balance sheets as per Schedules I to VI to this order have been prepared based on the approved accounts of Assam State Electricity Board as on 31st March 2004 and such opening balance sheets shall all be subject to all consequential adjustments on the update, finalization and audit of accounts of Assam State Electricity Board as on 31st March 2005.
(d) In modification to the holding of shares by Assam State Electricity Board in the five companies, namely: Assam Power Generating Corporation Limited, Assam Electricity Grid Corporation Limited, Upper Assam Electricity Distribution Company Limited, Central Assam Electricity Distribution Company Limited and Lower Assam Electricity Distribution Company Limited provided in Schedules A to E to the Transfer Scheme, the Shares in the said five companies and also in Assam State Electricity Board shall be held by the Government of Assam as provided in Schedules I to VI to this order.

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6. The retail supply tariff shall continue to be the same as determined by the Commission and applicable as on the date of this order till the tariffs are varied, amended, altered, substituted or changed by the Assam Electricity Regulatory Commission.
7. The Assam State Electricity Board and the five companies, namely: Assam Power Generating Corporation Limited, Assam Electricity Grid Corporation Limited, Upper Assam Electricity Distribution Company Limited, Central Assam Electricity Distribution Company Limited, and Lower Assam Electricity Distribution Company Limited shall seek the approval of the Assam Electricity Regulatory Commission on the inter se agreements. The inter se agreements are (a) a Power purchase agreement between the Assam Power Generating Corporation Limited and the Assam State Electricity Board for the sale and supply of electricity in bulk; (b) the Transmission Services Agreement between the Assam Electricity Grid Corporation Limited and the Assam State Electricity Board, Assam Power Generating Corporation Limited, Upper Assam Electricity Distribution Company Limited, Central Assam Electricity Distribution Company Limited and Lower Assam Electricity Distribution Company Limited for the services of the transmission of electricity and related functions and (c) the Bulk Supply Agreement between the Assam State Electricity Board and the three distribution companies viz Upper Assam Electricity Distribution Company Limited Central Assam Electricity Distribution Company Limited and Lower Assam Electricity Distribution Company Limited.
8. The Government of Assam shall pass separate orders in terms of the Transfer Scheme in regard to the transfer and absorption of personnel of Assam State Electricity Board in the five Companies, namely : Assam Power Generating Corporation Limited, Assam Electricity Grid Corporation Limited, Upper Assam Electricity Distribution Company Limited, Central Assam Electricity Distribution Company Limited and Lower Assam Electricity Distribution Company Limited.

SD/- S.K.Srivastava,
Principal Secretary to the Govt. of Assam,
Power(Elect.) Department

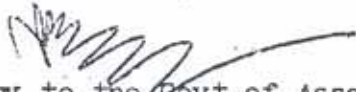
Contd....4/-

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Memo NO.PEL.151/2003/Pt/349-A, Dated Dispur, the 16th August'05.
Copy to:-

1. The A.G., Assam, Beltola, Maidamgaon, Guwahati-28.
2. The Chairperson, A.E.R.C., ASEB Complex, G.S.Road, Six Mile, Guwahati-22.
3. The Chairman, A.S.E.B., Paltan Bazar, Guwahati- 1.
4. The Commissioner & Secy., Govt. of Assam, Finance Department, Dispur.
5. The Principal Secy., Govt. of Assam, P & D Deptt., Dispur.
6. The Joint Secy., Govt. of India, Ministry of Power, Shyam Shakti Bhawan, New Delhi.
7. The Under Secy. Govt. of India, Ministry of Finance, Deptt. of Economic Affairs (ADB Section) New Delhi.
8. The Under Secretary, Govt. of Assam, Political (Cabinet Cell) Deptt., Dispur.
9. The Managing Director, APGCL/AEGCL/LADCL/UADCL/CADEL, Paltan Bazar, Guwahati -1.
10. The P.P.S. to Chief Minister, Assam, Dispur.
11. The P.S. to Minister of State (Ind.) Power etc., Assam, Dispur.
12. The P.S. to Principal Secy., Power Department, Assam, Dispur.
13. The Commissioner & Secy., Power Department, Assam, Dispur.
14. The Under Secy. to the Govt. of Assam, P & S Department, Dispur. He is requested to take necessary action for publication of notification in the Assam Gazette.
15. The Director, Assam Govt. Press, Bamunimaidan, Guwahati-21.

By Order etc.,


Deputy Secretary to the Govt. of Assam,
Power (Elect.) Department

16/8/05

SCHEDULE – I

ASSAM POWER GENERATION CORPORATION LIMITED
OPENING BALANCE SHEET
AS ON APRIL 01st, 2005

SLNO.	PARTICULARS	OBS
	NET ASSETS	
1	Gross Block of Fixed Assets	7,052,802,603
2	less Accumulated Depreciation	4,621,013,032
3	Net Fixed Assets	2,431,789,571
4	Capital Expenditure in progress	3,492,846,612
5	Assets not in use	-
6	Deferred Costs	-
7	Intangible Assets	-
8	Investment	153,061,157
9	Total Current Assets	1,254,152,688
10	Less Current Liabilities Security Deposit from consumers	-
11	Other Current Liabilities	423,036,972
12	Total Current Liabilities (10 + 11)	423,036,972
13	Net Current Assets	831,115,717
14	Subsidies receivable from Government	-
	Total Assets	6,908,813,057
	Financed by	
15	Borrowing for working capital	-
16	Payment due on capital liabilities	115,600,052
17	Capital Liabilities	1,578,281,079
18	Fund/Loan from State Government	114,810,000
19	Equity Share Capital	4,607,565,239
20	Contribution Grants and subsidies towards cost of capital assets	108,447,500
21	Reserve and funds	384,109,188
22	Deficit/Surplus	-
	Total Fund	6,908,813,057



SCHEDULE – II

ASSAM ELECTRICITY GRID CORPORATION LIMITED
OPENING BALANCE SHEET
AS ON APRIL 01st, 2005

SLNO	PARTICULARS	OBS
	NET ASSETS	
1	Gross Block of Fixed Assets	5,017,347,795
2	less Accumulated Depreciation	4,786,300,196
3	Net Fixed Assets	231,047,599
4	Capital Expenditure in progress	966,752,588
5	Assets not in use	-
6	Deferred Costs	-
7	Intangible Assets	-
8	Investment	119,132,645
9	Total Current Assets	263,977,842
10	Less Current Liabilities Security Deposit from consumers	-
11	Other Current Liabilities	51,223,367
12	Total Current Liabilities (10 + 11)	51,223,367
13	Net Current Assets	212,754,476
14	Subsidies receivable from Government	-
	Total Assets	1,529,687,308
	Financed by	
15	Borrowing for working capital	-
16	Payment due on capital liabilities	31,982,525
17	Capital Liabilities	284,374,166
18	Fund/Loan from State Government	25,740,000
19	Equity Share Capital	805,473,696
20	Contribution Grants and subsidies towards cost of capital assets	-
21	Reserve and funds	382,116,920
22	Deficit/Surplus	-
	Total Fund	1,529,687,308

SCHEDULE – III

UPPER ASSAM ELECTRICITY DISTRIBUTION COMPANY LIMITED
OPENING BALANCE SHEET
AS ON APRIL 01st, 2005

SL.NO.	PARTICULARS	OBS
	NET ASSETS	
1	Gross Block of Fixed Assets	2,358,542,234
2	less Accumulated Depreciation	1,255,639,532
3	Net Fixed Assets	1,102,902,701
4	Capital Exepnditure in progress	638,172,626
5	Assets not in use	-
6	Deferred Costs	-
7	Intengible Assets	-
8	Investment	531,703,569
9	Total Current Assets	629,831,862
10	Less Current Liabilities Security Deposit from consumers	350,238,281
11	Other Current Liabilities	590,512,132
12	Total Current Liabilities (10 + 11)	940,750,413
13	Net Current Assets	(310,918,551)
14	Subsidies receivable from Government	-
	Total Assets	1,961,860,346
	Financed by	
15	Borrowing for working capital	-
16	Payment due on capital liabilities	14,878,837
17	Capital Liabilities	115,440,109
18	Fund/Loan from State Government	207,308,694
19	Equity Share Capital	615,280,531
20	Contribution Grants and subsidies towards cost of capital assets	267,629,410
21	Reserve and funds	741,322,763
22	Deficit/Surplus	-
	Total Fund	1,961,860,346

SCHEDULE – IV

CENTRAL ASSAM ELECTRICITY DISTRIBUTION COMPANY LIMITED
 OPENING BALANCE SHEET
 AS ON APRIL 01st, 2005

SLNO.	PARTICULARS	OBS
	NET ASSETS	
1	Gross Block of Fixed Assets	2,249,595,813
2	less Accumulated Depreciation	1,403,467,908
3	Net Fixed Assets	846,127,905
4	Capital Expenditure in progress	723,577,024
5	Assets not in use	-
6	Deferred Costs	-
7	Intangible Assets	-
8	Investment	499,957,285
9	Total Current Assets	598,337,268
10	Less Current Liabilities Security Deposit from consumers	183,768,842
11	Other Current Liabilities	501,095,279
12	Total Current Liabilities (10 + 11)	684,864,121
13	Net Current Assets	(86,526,853)
14	Subsidies receivable from Government	-
	Total Assets	1,983,135,361
	Financed by	
15	Borrowing for working capital	-
16	Payment due on capital liabilities	30,236,252
17	Capital Liabilities	250,510,197
18	Fund/Loan from State Government	236,832,405
19	Equity Share Capital	532,623,197
20	Contribution Grants and subsidies towards cost of capital assets	259,945,325
21	Reserve and funds ¹	672,987,985
22	Deficit/Surplus	-
	Total Fund	1,983,135,361

SCHEDULE – V

LOWER ASSAM ELECTRICITY DISTRIBUTION COMPANY LIMITED
OPENING BALANCE SHEET
AS ON APRIL 01st, 2005

SL.NO.	PARTICULARS	OBS
	NET ASSETS	
1	Gross Block of Fixed Assets	2,925,109,475
2	less Accumulated Depreciation	(1,799,495,261)
3	Net Fixed Assets	1,125,614,214
4	Capital Expenditure in progress	972,403,580
5	Assets not in use	-
6	Deferred Costs	-
7	Intangible Assets	-
8	Investment	635,696,246
9	Total Current Assets	935,235,872
10	Less Current Liabilities Security Deposit from consumers	(408,926,871)
11	Other Current Liabilities	(950,388,307)
12	Total Current Liabilities (10 + 11)	(1,359,315,178)
13	Net Current Assets	(424,079,306)
14	Subsidies receivable from Government	-
	Total Assets	2,309,634,734
	Financed by	
15	Borrowing for working capital	-
16	Payment due on capital liabilities	27,474,352
17	Capital Liabilities	220,448,974
18	Fund/Loan from State Government	298,388,901
19	Equity Share Capital	623,399,781
20	Contribution Grants and subsidies towards cost of capital assets	257,945,874
21	Reserve and funds	881,976,854
22	Deficit/Surplus	-
	Total Fund	2,309,634,734



SCHEDULE – VI

ASSAM STATE ELECTRICITY BOARD
OPENING BALANCE SHEET
AS ON APRIL 01st, 2005

SL.NO.	PARTICULARS	OBS
	NET ASSETS	
1	Gross Block of Fixed Assets	-
2	less Accumulated Depreciation	-
3	Net Fixed Assets	-
4	Capital Exepnditure in progress	703,744,991
5	Assets not in use	-
6	Deferred Costs	-
7	Intengible Assets	341,000
8	Investment	-
9	Total Current Assets	2,014,113,192
10	Less Current Liabilities Security Deposit	-
11	Other Current Liabilities	2,002,801,258
12	Total Current Liabilities (10 + 11)	2,002,801,258
13	Net Current Assets	11,311,935
14	Subsidies receivable from Government	-
	Total Assets	715,397,926
	Financed by	
15	Borrowing for working capital	-
16	Payment due on capital liabilities	-
17	Capital Liabilities	-
18	Fund/Loanfrom State Government	-
19	Equity share capital	715,397,926
20	Contributions Grants and subsidies	-
21	Reserve and funds	-
22	Deficit/Surplus	-
	Total Fund	715,397,926

List of Hon'ble Commission's formats for which data has been furnished in the Tariff Petition for FY 2006-07

As applicable for Transmission, Distribution Companies and ASEB Trader

Formats for which data has been submitted	A1, D1, D2, D4, D5, D6, D6A, D7, D8, D9, D10, D11, D15, D16, D20, D21
Formats for which data was not readily available	A2, A3, A4, D14, D17, D18, D18A, D19A, D23
Formats which are found not to be relevant	D3, D9A, D12, D13, D22, D24

Note: The data submitted as per the above formats has been incorporated in the petition either as Tables or as Annexures.