GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF THE CHIEF ENGINEER (P) : EASTERN ELECT. ZONE
DEPTT. OF POWER, VIDYUT BHAWAN, ITANAGAR – 791 111
DIAL :- 0360 221 7301 (O), FAX :- 0360 221 7302; vidyutarunachal@rediffmail.com

NO.CE(P)/EEZ/SP&C/RES. ASSESSMENT/07-08/ **Dated Itanagar the 19th Nov. 07.**

To

Shri Alexander Jacob,
Dy. Advisor (Power),
Planning Commissioning,
Yojana Bhawan, Govt. of India,
New Delhi.
Jacob_pc@nic.in

Sub:- **Assessment of Financial Resources for 2008 – 09 – State Electricity Boards / Electricity Departments.**

Ref:- No.I-10(11)/1/2008-P&E dated 07 Nov. 2007.

Sir,

In response to your letters under reference please find enclosed herewith the details Assessment of Financial Resources for 2008 – 09 as per proforma supplied duly filled in for your information and necessary action from your end.

Yours faithfully,

Enclo:- As stated above.

Chief Engineer (Power),
Eastern Electrical Zone, DoP,
Vidyut Bhawan, Itanagar.

NO.CE(P)/EEZ/SP&C/RES. ASSESSMENT/07-08/ 4464-66 **Dated Itanagar the 19th Nov. 07.**
Copy to:-

1. The Secretary (Power), Govt. of Arunachal Pradesh, Itanagar for information.
2. The Commissioner (Planning), Govt. of Arunachal Pradesh, Itanagar for information.

3. Commissioner (Fin)

Chief Engineer (Power),
Eastern Electrical Zone, DoP,
Vidyut Bhawan, Itanagar.

RESOURCE ASSESSMENT

2008 - 09

DEPARTMENT OF POWER

ARUNACHAL PRADESH

NO.CE(P)/EEZ/SP&C/RES. ASSESSMENT/07-08/4464-66 DATED 19/11/2007

Proforma - I

Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09

Summary Statement

Name of the SEB / ED :-

Sl. No.	Item	2004 - 05	2005 - 06	2006 - 07	2007 - 08		2008 - 09
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
1	Installed Capacity (MW) at the end of the year (Details in Proforma - 3)						
i)	Hydel	33.00	32.66	32.66	42.66	42.66	45.00
ii)	Stream						
iii)	Gas						
iv)	Diesel	27.12	25.00	24.00	20.00	20.00	18.00
v)	Others (wind etc.)						
	Total of 1:-	**60.12**	**57.66**	**56.66**	**62.66**	**62.66**	**63.00**
2	Gross Generation inclusive of auxiliary consumption (MKwh) (Details in Proforma - 3)						
i)	Hydel	39.33	43.94	65.00	90.00	75.00	80.00
ii)	Stream						
iii)	Gas						
iv)	Diesel	10.14	8.13	7.00	6.00	4.00	3.70
v)	Others (free power)	197.53	205.00	200.00	210.00	500.00	500.00
	Total of 2:-	**247.00**	**257.07**	**272.00**	**306.00**	**579.00**	**583.70**
3	Overall Plant availability for Board (Thermal %)						

Name of the SEB / ED :-							
Sl. No.	Item	2004 - 05	2005 - 06	2006 - 07	2007 - 08		2008 - 09
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
4	Overall PLF of Board (Thermal) (%)						
5	Auxiliary consumption (MKwh) with % in brackets below	4.54	4.75	4.90	6.00	6.50	7.00
i)	Hydel	1.84%	1.85%	1.80%	1.96%	1.12%	1.20%
ii)	Steam						
iii)	Gas						
iv)	Diesel						
v)	Other (wind etc.)						
	Total of 5 :-						
6	**Net Generation (2 - 5) (MKwh)**	**242.46**	**252.32**	**267.10**	**300.00**	**572.50**	**576.70**
7	Total Power Purchased (MKwh)	**276.91**	**344.57**	**530.00**	**550.00**	500.00	500.00
i)	Purchase from Central Sector						
ii)	Purchase from IPPs/Private Sector						
iii)	Purchase from State Utility						
iv)	Purchase from others						
8	Total Energy availablity (6 + 7) (Mkwh)	**519.37**	**596.89**	**797.10**	**850.00**	**1072.50**	**1076.70**
9	T & D Losses (Mkwh)						
i)	Transmission Losses	28.00	43.00	46.00	55.00	65.00	75.00

Name of the SEB / ED :-							
Sl. No.	Item	2004 - 05	2005 - 06	2006 - 07	2007 - 08		2008 - 09
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
ii)	Distribution Losses	94.56	186.04	382.60	365.23	566.50	512.70
	Total (i) and (ii) :-	**122.56**	**229.04**	**428.60**	**420.23**	**631.50**	**587.70**
10	% of T & D Losses (9 as of 8)	**23.60%**	**38.37%**	**53.77%**	**49.44%**	**58.88%**	**54.58%**
11	Energy available for sale (Details in Proforma - 4 (MKwh)	396.81	367.85	368.50	429.77	441.00	489.00
i)	Within State (tally with proforma - 4)	95.19	130.02	138.50	229.77	226.00	289.00
ii)	Outside State						
iii)	Energy Sale through Trading / UI	301.62	237.83	230.00	200.00	215.00	200.00
	Total (i), (ii) and (iii) :-	**396.81**	**367.85**	**368.50**	**429.77**	**441.00**	**489.00**
12	Average rate for Sale (Paise/KWh)						
i)	Within State	156	182	203	276	276	287
ii)	Outside State						
iii)	Energy Sale through Trading / UI	228	210	225	250	270	300
13	Revenue Receipts (Rs. Crore)						
a	Revenue from Sale						
	i) Within State	14.88	23.63	28.14	63.32	62.27	82.8
	ii) Outside State						

Name of the SEB / ED :-							
Sl. No.	Item	2004 - 05	2005 - 06	2006 - 07	2007 - 08		2008 - 09
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
	iii) Trading / UI	68.77	49.94	51.75	50.00	58.05	60.00
	Sub Total of (i), (ii) & (iii) :-	**83.65**	**73.58**	**79.89**	**113.32**	**120.32**	**142.80**
b	Misc. receipts	0.62	0.20	0.15	0.25	0.20	0.25
c	Subsidy as determined by SERC						
	i) Subsidy for Domestic Consumers						
	ii) Subsidy for Agriculture Consumers						
	iii) Other Subsidy if any						
	Sub Total of (i), (ii) & (iii) :-						
	Total of - 13 :-	**84.27**	**73.78**	**80.04**	**113.57**	**120.52**	**143.05**
14	Revenue Expenditure (Rs. Crore)						
	i) Fuel (Details in Proforma - 5)	12.36	9.00	9.60	8.05	8.05	7.95
	ii) Power Purchased (Details in Proforma - 8)	88.99	79.25	90.10	115.00	100.00	100.00
	iii) O & M Expenses (Details in Proforma - 7)	24.79	26.79	29.00	30.90	15.00	25.00
	iv) Others	32.74	39.16	40.25	42.50	48.65	51.75
	Total of 14 :-	**158.88**	**154.20**	**168.95**	**196.45**	**171.70**	**184.70**
15	**Gross operating Surplus / Deficit (13 - 14)**	**-74.61**	**-80.43**	**-88.91**	**-82.88**	**-51.19**	**-41.65**
16	Depreciation due (Rs. Crore)						
17	**Gross operating Surplus after depreciation (15 - 16)**	**-74.61**	**-80.43**	**-88.91**	**-82.88**	**-51.19**	**-41.65**

Name of the SEB / ED :-							
Sl. No.	**Item**	**2004 - 05**	**2005 - 06**	**2006 - 07**	**2007 - 08**		**2008 - 09**
		A	**A**	**A**	**BE**	**RE**	**Annual Plan**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
18	Interest payable to Industrial Creditors (Rs. Cr.)						
	i) On Market Loans						
	ii) On LIC Loans						
	iii) On REC Loans	21.00	21.00	22.00	23.00	18.00	17.80
	iv) On PFC Loans						
	v) Other Loans						
	Total of 18 :-	**21.00**	**21.00**	**22.00**	**23.00**	**18.00**	**17.80**
19	Net operating Surplus / Deficit after interest to Institutions. Creditors (17 - 18)	**-95.61**	**-101.43**	**-110.91**	**-105.88**	**-69.19**	**-59.45**
20	Interest due to State Govt. (Rs. Crore)						
21	Commercial Profit (+) / Loss (-) (19 - 20)	**-95.61**	**-101.43**	**-110.91**	**-105.88**	**-69.19**	**-59.45**
22	Interest actually paid to State Govt.						
23	Retained Surplus (+) / Deficit (-) (19 - 22)	**-95.61**	**-101.43**	**-110.91**	**-105.88**	**-69.19**	**-59.45**
24	Internal resources (Rs. Crore)						
i)	Retained Revenue Surplus / Deficit	-95.61	-101.43	-110.91	-105.88	-69.19	-59.45

Name of the SEB / ED :-							
Sl. No.	**Item**	**2004 - 05**	**2005 - 06**	**2006 - 07**	**2007 - 08**		**2008 - 09**
		A	**A**	**A**	**BE**	**RE**	**Annual Plan**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
ii)	Depreciation						
iii)	Debts, Deposits & Others Receipts (Net)						
iv)	Provident fund / Pension fund (Net)						
v)	Consumers Contribution						
vi)	Subvention from Govt.						
vii)	Draw-down of inventory						
viii)	Drawdown of cash balances						
ix)	Other, if any						
	Gross Internal Resources at current rates of Tariff (24)	**-95.61**	**-101.43**	**-110.91**	**-105.88**	**-69.19**	**-59.45**
25	Repayament of Loans (excluding Repayment of market borrowings)						
	ii) To LIC	The state govt repays the loan directly under the state budget and no repayment is made from the revenue head.					
	iii) To REC						
	iii) To PFC						
	iv) To State Govt. if any						
	v) Others						
	Total of 25 :-						
26	Net Internal Resources at Current Rate / Tariff (24 - 25)	**-95.61**	**-101.43**	**-110.91**	**-105.88**	**-69.19**	**-59.45**
27	i) Net fixed assets in services at the beginning of the year (Rs. Crore) (Proforma - 8)	1016.00	1098.00	1106.00	1112.00	1112.00	1112.00

Name of the SEB / ED :-							
Sl. No.	Item	2004 - 05	2005 - 06	2006 - 07	2007 - 08		2008 - 09
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
ii)	Cumulative depreciation at the beginning of the year (Rs. Crore)	35.60	36.00	38.00	40.00	40.00	40.00
iii)	Cumulative depreciation at the end of the year (Rs. Crore)	36.00	38.00	40.00	60.00	60.00	60.00
iv)	Breakup of interest due to State Govt. & Instt. Creditors at end of the year on account of						
a	Works in progress						
b	Completed works						
	Total of (a + b)						
v)	viii) State Electricity duty (SEB)						
vi)	State Electricity duty (paise/unit) released from consumers who pay such duty						
vii)	State duty per unit of the Total sales (Paise)						
viii)	No. of employees of the Board at the end of the year	10300	8883	8800	8750	8948	8850
a	Technical Staff						
b	Non - Technical Staff						
ix)	No. of employees per million Kwh Sold	25.96	24.15	23.88	20.36	20.29	18.10
x)	No. of consumers at the end of the year	128700	123859	134131	144757	145310	146161
xi)	No. of employees per 1000 consumers	80.03	71.72	65.61	60.45	61.58	60.55
xii)	a) Subsidy as claimed by SEB at the end of the year (Rs. Crore)						
	b) Subsidy received by SEB at the end of the year (Rs. Crore)						
	c) Balance due (Rs. Crore)						
xiii)	a) Taxes levied by the State Govt. on the consumers in addition to the tariff (Rs. Crore)						

Name of the SEB / ED :-							
Sl. No.	Item	2004 - 05	2005 - 06	2006 - 07	2007 - 08		2008 - 09
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
	b) Tax levied per unit of energy sold (Paise/unit)						
xiv)	Wage Bill						
	c) For Technical Staff	33.15	37.12	42.00	45.00	41.00	42.00
	d) For General Staff						
xv)	Outstanding interest due to State Govt. at the end of the year						
xvi)	Equity capital, if any						
xvii)	a) Date of Tariff revision (indicate the date in each year)						
	b) Tariff award by SERC Yes / No						
	(Category wise tariff detaqils as per tariff award to be given in Proforma - X)						
xviii)	Revenue arrears at the end of the year (Rs. Cr.)	36.44	35.00	32.00	28.00	35.00	38.00
a	Amount realisable (excludng Bad Debt)						
b	As % of sales revenue of the year	43%	47%	40%	25%	29%	27%
c	Arrears of the Central Govt. / State Govt. Offices / Undertaking						
d	Arrears from bulk consumers / other consumers						
e	Arrears under dispute in the courts						
xix	Tax on Income, if any						
xx	Loan outstanding at the end of the year (Rs. Cr.)						
a	State Govt.						
b	Market Loan						
c	LIC Loan						
d	REC Loan						

Name of the SEB / ED :-							
Sl. No.	**Item**	**2004 - 05**	**2005 - 06**	**2006 - 07**	**2007 - 08**		**2008 - 09**
		A	**A**	**A**	**BE**	**RE**	**Annual Plan**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
e	PFC Loan						
f	Other Loans	100.67	80.67	60.67	62.00	60.00	55.00
xxi)	Inventory on Revenue (Maintenance) Account at the end of the year						
a	Coal						
b	Oil						
c	Others						
d	Total (Rs. Crore)						
e	% of inventory to sales revenue of the year						

Proforma - 2

Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09

Financing of Capital Expenditure

Name of the SEB / ED :-

Sl. No.	Item	2004 - 05	2005 - 06	2006 - 07	2007 - 08		2008 - 09
		A	A	A	BE	RE	ANL. Plan
1	2	3	4	5	6	7	8
1	Block Capital (Rs. Crore)						
a	Capital Employed at the beginning of the year						
i)	On completed works						
ii)	On works in progress						
b	Capital Employed during the year						
i)	On completed works	73.93	77.96	65.35	125.00	131.01	135.00
ii)	On works in progress						
	Total of (a) & (b) :-	**73.93**	**77.96**	**65.35**	**125.00**	**131.01**	**135.00**
2	Financing of Capital Expenditure						
a	State Govt. Grants (APDRP / RGGVY etc.)						
b	i) State Govt. Loans (Gross)						
	ii) Repayment, if any						
	Net Loans						
c	i) Market borrowings (Gross)						
	ii) Repayment, if any						
	iii) Net Loans (i - ii)						
d	i) Borrowings from LIC (Gross)						
	ii) Repayment, if any						

	Net Loans (i - ii)						
e	i) Borrowings from REC (Gross)	12.00	2.09	13.00	10.00	9.50	12.00
	ii) Repayment, if any	12.00	15.00	15.20	16.00	17.00	16.50
	Net Loans (i - ii)		-12.91	-2.20	-6.00	-7.50	-4.50
f	i) Borrowing from PFC (Gross)						
	ii) Repayment, if any						
	Net Loans (i - ii)						
g	i) Borrowing from other (Gross) NABARD	10.00	0.03	0.10			
	ii) Repayment, if any						
	Net Loans (i - ii)						
3	Total capital receipts for Financing the Capital Expenditure	10.00	15.00	15.00	25.00	131.01	135.00
4	Internal Resources (after providing for repayment of loan)	63.93	82.34	70.11	100.00		
5	Total resources for Capital Expenditure (3 + 4)	73.93	97.34	85.11	125.00	131.01	135.00
6	Capital Expenditure						
i)	Plan	73.93	88.29	65.35	122.52	131.01	135.00
ii)	Outside Plan				6.43	20.00	150
	Total (I + ii) :-	73.93	88.29	65.35	128.95	151.01	285.00
7	Capital structure						
i)	Equity Portion						
ii)	Loan portion						
iii)	Debt equity ratio before conversion of loan to equity						

iv)	Loan converted into equity						
v)	Debt equity ratio after conversion						
8	Equity diluted in the year						
9	Share held by the State Govt. after dilution						

Proforma - 3

Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09

Performance on Generating Station

Name of the SEB / ED :-

Sl. No.	Item	2004 - 05					2005 - 06				
		Inst. Cap. (MW)	Energy Generation (MKwh)	Cost of Gen. (Rs./Kwh)	Plant Availability %	Plant Load Factor (5)	Inst. Cap. (MW)	Energy Generation (MKwh)	Cost of Gen. (Rs./Kwh)	Plant Availability %	Plant Load Factor (5)
1	2	3	4	5	6	7	8	9	10	11	12
1	Hydel	33.00	39.33		75%	18.14%	32.66	43.94		75%	18.00%
2	Diesel	27.12	10.14		75%	18.14%	25.00	8.13		75%	20.82%
3	Others / Inputs / UI		197.53					205.00			

Sl. No.	Item	2006 - 07					2007 - 08 BE				
		Inst. Cap. (MW)	Energy Generation (MKwh)	Cost of Gen. (Rs./Kwh)	Plant Availability %	Plant Load Factor (5)	Inst. Cap. (MW)	Energy Generation (MKwh)	Cost of Gen. (Rs./Kwh)	Plant Availability %	Plant Load Factor (5)
1	2	3	4	5	6	7	8	9	10	11	12
1	Hydel	32.66	65.00		65%	19.13%	42.66	90.00		75%	19.53%
2	Diesel	24.00	7.00		75%	19.20%	20.00	6.00		75%	19.40%
3	Others / Inputs / UI		200.00					210.00			
	Total (1+2+3)		272.00					306.00			

Sl. No.	Item	2007 - 08 RE					2008 - 09				
		Inst. Cap. (MW)	Energy Generation (MKwh)	Cost of Gen. (Rs./Kwh)	Plant Availability %	Plant Load Factor (5)	Inst. Cap. (MW)	Energy Generation (MKwh)	Cost of Gen. (Rs./Kwh)	Plant Availability %	Plant Load Factor (5)
1	2	3	4	5	6	7	8	9	10	11	12
1	Hydel	42.66	75.00		50%	17.00%	45.00	80.00		50%	17.00%
2	Diesel	20.00	4.00		60%	25.00%	18.00	3.70		40%	25.00%
3	Others / Inputs / UI		500.00					500.00			
	Total (1+2+3)		579.00					583.70			

Proforma - 4

Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09

Category - wise Energy Sale / Average Rate per Unit and Revenue

(including fuel surcharge recovery but excluding state electricity duty)

Name of the SEB / ED :-

Sl. No.	Category of Consumers	2004 - 05				2005 - 06				2006 - 07			
		Energy Sold	Aver. Rate	Rev.	No. of Con.	Energy Sold	Aver. Rate	Rev.	No. of Con.	Energy Sold	Aver. Rate	Rev.	No. of Con.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Domestic	40.23	150	6.03	94208	43.36	175	7.59	97814	48.00	200	9.60	105199
2	Agriculture												
3	a) Industry LT	2.59	185	0.48	12045	11.11	200	2.22	12639	12.00	225	2.70	14071
	b) Industry HT												
4	Bulk	34.67	152	5.27	240	45.53	175	7.97	257	47.00	240	11.28	641
5	Commercial	10.88	175	1.90	10800	16.82	195	3.28	11320	17.50	235	4.11	12324
6	Public Lighting	3.25	175	0.57	1000	6.95	195	1.36	1799	7.15	215	1.54	1825
7	Public Water Works	3.57	175	0.62	26	6.25	195	1.22	29	6.85	235	1.61	70
8	Others												
	Total (1 to 8) :-	95.19	156	14.88	**118319**	130.02	182	23.63	**123858**	138.50	203	28.14	**134130**
9	Outside the State	301.62	228	68.77	**1**	237.83	210	49.94	**1**	230.00	225	51.75	**1**
10	Grand Total :-	**396.81**	211	**83.65**	**118320**	**367.85**	200	**73.58**	**123859**	**368.50**	217	**79.89**	**134131**
	* Note :- Number of consumers in each category to be indicated.												

	* Please also indicate % of total sales and revenue received under each category in Brackets.												
Sl. No.	**Category of Consumers**	**2007 - 08 (BE)**				**2007 - 08 RE**				**2008 - 09 (AP)**			
		Energy Sold	**Aver. Rate**	**Rev.**	**No. of Con.**	**Energy Sold**	**Aver. Rate**	**Rev.**	**No. of Con.**	**Energy Sold**	**Aver. Rate**	**Rev.**	**No. of Con.**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**
1	Domestic	75.00	250	18.75	112562	85.00	265	22.53	112750	97.00	280	27.16	112965
2	Agriculture												
3	a) Industry LT	55.65	300	16.70	17213	35.00	315	11.03	17456	45.00	330	14.85	17985
	b) Industry HT					55.00	240	13.20		89.00	250	22.25	
4	Bulk	55.62	275	15.30	730		290		745		305		750
5	Commercial	22.00	300	6.60	12338	27.00	315	8.51	12379	29.00	330	9.57	12400
6	Public Lighting	12.00	300	3.60	1834	14.00	315	4.41	1894	17.00	330	5.61	1966
7	Public Water Works	9.50	250	2.38	79	10.00	260	2.60	85	12.00	280	3.36	94
8	Others												
	Total (1 to 8) :-	229.77	276	63.32	**144756**	**226**	276	62.27	**145309**	**289.00**	287	**82.8**	**146160**
9	Outside the State	**200.00**	**250**	50.00	1	**215.00**	270	58.05	1	200.00	300	60.00	1
10	Grand Total :-	**429.77**	264	**113.32**	**144757**	**441.00**	273	**120.32**	**145310**	**489.00**	292	**142.80**	**146161**
	* Note :- Number of consumers in each category to be indicated.												
	* Please also indicate % of total sales and revenue received under each category in Brackets.												

Proforma - 5 A

Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09

Expenditure on Fuel (Coal / Lignite / Diesel)

Name of the SEB / ED :-

Sl. No.	Name of the Thermal Station	Energy Gen. MKwh	Consumption Coal		Consumption Oil		Cost (Rs.)		Total Fuel Cost			Cost / Kwh		
			Total	KG/Kwh	Total	ml/MKwh	Coal	Oil	Coal	Oil	Total	Coal	Oil	Total
			(000) MT		Kilo Litre		(Per MT)	(Per KL)	(Rs. Crore)			(Paise)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	For the Year 2004 - 05													
1	Diesel	10.14			4120			30000		12.36	12.36			
	For the Year 2005 - 06													
2	Diesel	9.00			3000			30000		9.00	9.00			
	For the Year 2006 - 07													
3	Diesel	9.00			3000			32000		9.60	9.60			
	For the Year 2007 - 08 BE													
4	Diesel	9.00			3000			32000		9.60	9.60			
	For the Year 2007 - 08 RE													
5	Diesel	8.00			2300			35000		8.05	8.05			
	For the Year 2008 - 09													
6	Diesel	7.00			2150			36500		7.95	7.95			
	Total / Overall Average													
	MT = Metric Tonne, ml = Milli Litres, KL = Kilo Litres													

Proforma - 5 B

Resources Discussions - Eleventh Plan & Annual Plan 2007 - 08

Expenditure on Fuel (Gas)

Name of the SEB / ED :-

Sl. No.	Name of the Thermal Station	Energy Generation MKwh	Consumption Gas		Cost (Rs.)	Total Fuel Cost	Cost / Kwh
			Total	(Lit/Kwh)	Disel (Per Lit	(Rs. Crore)	(Paise/Kwh
1	2	3	4	5	6	7	8
	For the Year 2004 - 05						
	For the Year 2005 - 06						
	For the Year 2006 - 07						
	For the Year 2007 - 08 BE						
	For the Year 2007 - 08 RE						
	For the Year 2008 - 09						
	Total / Overall Average						
	Cu.M = Cubic Meter						

Proforma - 6

Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09

Revenue Expenditure - Cost of Power Purchase

Name of the SEB / ED :-

Sl. No.	Source	2004 - 05(A)			2005 - 06(A)			2006 - 07(A)		
		Purchase (MKwh)	Rate (Paise / Kwh)	Total Cost (Rs. Crore)	Purchase (MKwh)	Rate (Paise / Kwh)	Total Cost (Rs. Crore)	Purchase (MKwh)	Rate (Paise / Kwh)	Total Cost (Rs. Crore)
1	2	3	4	5	6	7	8	9	10	11
1	Central Sector Power Projects in NE Region under (NHPC / NEEPCO / AGBPP / AGTPP etc.	276.91	321	88.99		#DIV/0!			#DIV/0!	
a	NEEPCO									
	i) KHEP	45.26								
	ii) AGBPP	74.73								
	iii) AGTPP	32.34								
	iv) DHEP	13.4								
	v) RHEP	83.76			344.57	230	79.25	530.00	170	90.10
b	NHPC									
	i) Loktak	27.42								
c	PGCIL									
	i) Wheeling charges Rs. 0.35	276.91								
	Total / Overall Average									

Sl. No.	Source	2007 - 08 (BE)			2007 - 08 (RE)			2008 - 09 (ANNUAL PLAN)		
		Purchase (MKwh)	Rate (Paise / Kwh)	Total Cost (Rs. Crore)	Purchase (MKwh)	Rate (Paise / Kwh)	Total Cost (Rs. Crore)	Purchase (MKwh)	Rate (Paise / Kwh)	Total Cost (Rs. Crore)
1	2	3	4	5	6	7	8	9	10	11
1	Central Sector Power Projects in NE Region under (NHPC / NEEPCO / AGBPP / AGTPP etc.									
a	NEEPCO	75			70			65		
	i) KHEP	70			60			55		
	ii) AGBPP	115			100			105		
	iii) AGTPP	50			50			50		
	iv) DHEP	20			16			16		
	v) RHEP	185.00			175.00			175.00		
b	NHPC									
	i) Loktak	35			29			34		
	Total	550	209	115	500	200	100	500	200	100

Proforma - 7

Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09

Revenue Expenditure - Operating and Maintenance / Establishment and Administrative Charges

Name of the SEB / ED :-

Sl. No.	Component of Expenditure	2004 - 05	2005 - 06	2006 - 07	2007 - 08		2008 - 09
					BE	RE	AP
I	**Operating and Maintenance**						
1	Base level expenditure of the previous year	22.63	24.79	27.00	28.00	12.00	20.00
2	Normal Annual Increase						
3	Increase due to commissioning of new units / lines (to be spefified)	2.16	2.00	2.00	2.90	3.00	5.00
4	Other items						
5	**Total (Rs. Crore) :-**	**24.79**	**26.79**	**29.00**	**30.90**	**15.00**	**25.00**
6	Cost per unit of sale (Paise / Kwh sold)	62.47	72.83	78.70	71.90	34.01	51.12
II	**Establishment & Administrative Charges**						
1	Base level expenditure of the previous year	29.76	36.91	38.75	40.00	46.00	49.00
2	Normal Annual Increase						
3	Increase due to commissioning of new units / lines (to be spefified)	2.98	2.25	1.50	2.50	2.65	2.75
4	Increase due to DA / Pay revision						
5	Other items						
6	**Total (Rs. Crore) :-**	**32.74**	**39.16**	**40.25**	**42.50**	**48.65**	**51.75**
7	Cost per unit of sale (Paise / Kwh sold)	83	106	109	99	110.32	105.83

Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09							
Rate of Return on net fixed Assets							
Name of the SEB / ED :-							
Sl. No.	Item	2004 - 05	2005 - 06	2006 - 07	2007 - 08		2008 - 09
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
A	**Income**						
1	Revenue receipts from Electricity Sales	83.65	73.58	79.89	113.32	120.32	142.80
2	Misc. Revenue	0.62	0.20	0.15	0.25	0.20	0.25
3	Subsidy (Agriculture Consumers)						
4	Other Subsidy, if any						
	Total of A :-	**84.27**	**73.78**	**80.04**	**113.57**	**120.52**	**143.05**
B	**Expenses**						
1	Fuel (Diesel) (Proforma - 5A)	12.36	9.00	9.60	8.05	8.05	7.95
2	Purchase of Power (Proforma - 6)	88.99	79.25	90.10	115.00	100.00	100.00
3	Operation and Maintenance	24.79	26.79	29.00	30.90	15.00	25.00
4	Establishment Expenditure	32.74	39.16	40.25	42.50	48.65	51.75
5	Depreciation						
6	Other Misc. Expenditure						
	Total of B:-	**158.88**	**154.20**	**168.95**	**196.45**	**171.70**	**184.70**
C	Operating Income (A - B)	**-74.61**	**-80.43**	**-88.91**	**-82.88**	**-51.19**	**-41.65**
D	**Interest Due**	21.00	21.00	22.00	23.00	18.00	17.80
	a) To financial Institure						
	b) To State Govt.						

	Total of D :-	**21.00**	**21.00**	**22.00**	**23.00**	**18.00**	**17.80**
E	Net Surplus / Deficit (C - D)	**-95.61**	**-101.43**	**-110.91**	**-105.88**	**-69.19**	**-59.45**
F	Value of net fixed assets employed at the beginning of the year	1016.00	1098.00	1106.00	1112.00	1112.00	1112.00
G	Rate of return %	53%	48%	47%	58%	70%	77%
H	Increase in averate tariff Required (Paise/Kwh) to obtain						
	a) % ROR	40.04%	41.92%	45.85%	45.71%	38.93%	37.77%
	b) 3 % ROR	41.24%	43.18%	47.22%	47.08%	40.10%	38.90%

Proforma - 9

Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09

Outstanding dues to the Central Undertaking and Others

Sl. No.	Name of the Undertakings	Dues upto 31.03.2006	Dues from 01.04.06 to 31.03.07	Outstanding dues as on (or which ever is the latest figures available)
1	2	3	4	5
1	Central Undertakings			
i)	NHPC			NIL
ii)	NEEPCO			NIL
iii)	PGCIL			NIL
	Sub Total of 1 :-			
2	State Undertakings			
i)				
ii)				
iii)				
	Sub Total of 2 :-			
3	Others			
4	**Total of (1 + 2 + 3)**			

Proforma - 10

Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09

Electricity Consumption*

Name of the SEB / ED :-

Sl. No.	Item	2004 - 05		2005 - 06		2006 - 07		2007 - 08 (RE)		2008 - 09 (AP)	
		#Rate (Paise / Kwh)	Unit (MU)	#Rate (Paise / Kwh)	Unit (MU)	#Rate (Paise / Kwh)	Unit (MU)	#Rate (Paise / Kwh)	Unit (MU)	#Rate (Paise / Kwh)	Unit (MU)
1	2	3	4	5	6	7	8	9	10	11	12
1	Domestic	150	40.23	175	43.36	200.00	48.00	265	85.00	280	97.00
2	Agriculture										
3	a) Industry LT	185	2.59	200	11.11	225.00	12.00	315	35.00	330	45.00
	b) Industry HT							240	55.00	250	89.00
4	Bulk	152	34.67	175	45.53	240.00	47.00	290		305	
5	Commercial	175	10.88	195	16.82	235.00	17.50	315	27.00	330	29.00
6	Public Lighting	175	3.25	195	6.95	215.00	7.15	315	14.00	330	17.00
7	Public Water Works	175	3.57	195	6.25	235.00	6.85	260	10.00	280	12.00
8	Others										
	Total (1 to 8) :-	**156**	**95.19**	**182**	**130.02**	**203**	**138.50**	**276**	**226.00**	**286.51**	**289.00**
9	Outside the State	228	301.62	210	237.83	225	230.00	270	**215.00**	**300.00**	**200.00**
	Grand Total :-		**396.81**		**367.85**		**368.50**		**441.00**		**489.00**
10	No. of households Electrified										
	(No. of Consumers)		118320		123859		145310		145310		146161
	Note:- * Please give prcentage within brackets										
	# Category wise tariff rate as approved by the State Electricity Regulatory Commission										

							Proforma - 11
Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09							
Private Sector Power Projects							
Name of the SEB / ED :-							
Sl. No.	**Item**	**2004 - 05**	**2005 - 06**	**2006 - 07**	**2007 - 08**		**2008 - 09**
		A	**A**	**Provi.**	**BE**	**RE**	**Annual Plan**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
1	Name(s) of the Project						
2	Installed Capacity (MW)						
3	Type of Fuel						
4	Estimated Cost (Rs. Crores)						
5	Expected Generation (MKwh)	-	-	-	Nil	-	-
6	Status of the Project (Signing of MOUs / Power Agreements / Any Other						
7	Cost of Generation (Paise / Kwh)						
8	PLF as per APPA (%)						

							Proforma - 12
Resources Discussions - Eleventh Plan & Annual Plan 2008 - 09							
Efficiency Improvement							
Name of the SEB / ED :-							
Sl. No.	**Item**	**Unit**	**2004 - 05**	**2005 - 06**	**2006 - 07**	**2007 - 08**	**2008 - 09**
I	i) Energy supplied at 11/33 KV Feeders	MU				579.00	583.70
	ii) Energy Billed at 11/33 KV Feeders	MU				441.00	489.00
	iii) Actual Billing	Rs. Crore				120.32	142.80
	iv) Revenue Realisation	Rs. Crore				100	120
	v) % of Realisation	%				83.12%	84.03%
II	Reduction in T & D Losses	%					
III	i) Level of Cash Losses of the SEB (net of increase attributable to tariff revision)	Rs. Crore					
	ii) Reduction of Cash Losses of the SEB as compared to previous year	Rs. Crore					
	Not Assessable as because HT Meterings are not installed to assess the actual loss of T&D. The Metering system shall be installed during this year under APDRP.						
	Note:- System Metering at 11 KV fedders is being installed during this financial year and will be completed soon.						

Proforma - 13

Break up of Outlay - Power Sector

State : Arunachal Pradesh

(Rs. Crore)

Sl. No.	Item	Tenth Plan	2003 - 04			2004 - 05			2005 - 06			2006 - 07			2007 - 08		
			Approved Outlay	Actual Expenditure		Approved Outlay	Actual Expenditure		Approved Outlay	Actual Expenditure		Approved Outlay	Actual Expenditure		Approved Outlay	Expenditure (RE)	
		Approved Outlay		Plan	Outside Plan		Plan	Outside Plan		Plan	Outside Plan		Plan	Outside Plan		Plan	Outside Plan
1	Generation Schemes	114.40							31.66	26.42		15.54	27.47		41.7	41.70	
2	R and M Schemes								19.90	19.88		28.45	9		9.03	9.03	
3	Transmission & Distribution Schemes	129.89										17.92	18.92	6.43	23.5	23.50	20.00
4	Rural Electrification Schemes	139.50							3.00	1.59		9.50	7		3	3.00	
5	Miscellaneous Schemes	107.40							77.89	75.62		44.43	60.13		53.78	53.78	
6	**Total**	**491.19**	**114.52**	**84.81**		**155.30**	**114.46**		**132.45**	**123.5**		**115.84**	**122.5**	**6.43**	**131.01**	**131.0**	**20.00**
	Note:-	Please give breakup of the approved and actual outlays. In case of 2005 - 06 and 2006 - 07, the state Govt. may provide the actual / RE figure. The figures indicated are given by the State Govt. of Planning Commission. Correction may be made wherever necessary.															