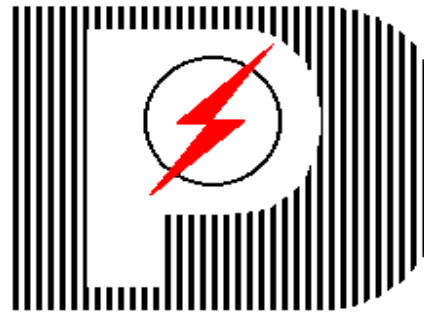


# RESOURCE ASSESSMENT

2011 - 12



## DEPARTMENT OF POWER

### ARUNACHAL PRADESH

## Resources Discussions - Annual Plan 2011 - 12

## Summary Statement

Name of the SEB / ED :-

Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		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	33.72	45.00	50.00	52.62	52.62	72.87
ii)	Stream						
iii)	Gas						
iv)	Diesel	25.00	18.00	15.00	12.00	12.00	10.00
v)	Others (wind etc.)						
	<b>Total of 1:-</b>	<b>58.72</b>	<b>63.00</b>	<b>65.00</b>	<b>64.62</b>	<b>64.62</b>	<b>82.87</b>
2	Gross Generation inclusive of auxiliary consumption (MKwh) (Details in Proforma - 3)						
i)	Hydel	52.21	80.00	90.00	99.00	99.00	137.10
ii)	Stream						
iii)	Gas						
iv)	Diesel	4.89	3.70	2.08	1.66	1.66	1.39
v)	Others ( free power)	181.52	500.00	500.00	500.00	500.00	500.00
	<b>Total of 2:-</b>	<b>238.62</b>	<b>583.70</b>	<b>592.08</b>	<b>600.66</b>	<b>600.66</b>	<b>638.49</b>
3	Overall Plant availability for Board (Thermal %)						

Name of the SEB / ED :-							
Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		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	0.44	0.705	0.709	0.78	0.78	0.86
i)	Hydel	0.18%	0.12%	0.12%	0.13%	0.13%	0.13%
ii)	Steam						
iii)	Gas						
iv)	Diesel						
v)	Other (wind etc.)						
	<b>Total of 5 :-</b>						
6	<b>Net Generation (2 - 5) (MKwh)</b>	<b>238.18</b>	<b>583.00</b>	<b>591.37</b>	<b>599.88</b>	<b>599.88</b>	<b>637.63</b>
7	Total Power Purchased (MKwh)	<b>448.22</b>	<b>481.00</b>	<b>460.00</b>	<b>494.00</b>	<b>494.00</b>	<b>544.00</b>
i)	Purchase from Central Sector (Free)						
ii)	Purchase from IPPs/Private Sector						
iii)	Purchase from State Utility						
iv)	Purchase from others						
8	Total Energy availability (6 + 7) (Mkwh)	<b>686.40</b>	<b>1064.00</b>	<b>1051.37</b>	<b>1093.88</b>	<b>1093.88</b>	<b>1181.63</b>
9	T & D Losses (Mkwh)						
i)	Transmission Losses	55.00	70.00	60.00	50.00	50.00	40.00

Name of the SEB / ED :-							
Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
ii)	Distribution Losses	244.67	443.55	351.25	316.00	316.00	285.00
	<b>Total (i) and (ii) :-</b>	<b>299.67</b>	<b>513.55</b>	<b>653.75</b>	<b>614.67</b>	<b>614.67</b>	<b>646.09</b>
10	% of T & D Losses (9 as of 8)	<b>43.66%</b>	<b>48.27%</b>	<b>62.18%</b>	<b>56.19%</b>	<b>56.19%</b>	<b>54.68%</b>
11	Energy available for sale (Details in Proforma - 4 (MKwh)	386.73	550.45	397.62	479.21	479.21	535.53
i)	Within State (tally with proforma - 4)	169.73	303.45	318.62	350.48	350.48	385.53
ii)	Outside State						
iii)	Energy Sale through i) Trading	170.00	228.00	48.00	68.54	68.54	80.00
	ii) U.I	47.00	19.00	31.00	60.19	60.19	70.00
	<b>Total (i), (ii) and (iii) :-</b>	<b>339.73</b>	<b>531.45</b>	<b>366.62</b>	<b>419.02</b>	<b>419.02</b>	<b>465.53</b>
12	Average rate for Sale (Paise/KWh)						
i)	Within State	276	287	316	347	347	382
ii)	Outside State						
iii)	Energy Sale through Trading / UI	270	375	468.75	516	516	568
13	Revenue Receipts (Rs. Crore)						
a	Revenue from Sale						
i)	Within State	48.34	86.94	95.85	115.98	115.98	140.34
ii)	Outside State						

Name of the SEB / ED :-							
Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
	iii) Trading	53.00	72.15	17.22	24.00	24.00	30.00
	iv) U.I	9.37	6.49	13.07	13.00	13.00	15.00
	<b>Sub Total of (i), (ii) ,(iii) &amp; (IV) :-</b>	<b>110.71</b>	<b>165.58</b>	<b>126.14</b>	<b>152.98</b>	<b>152.98</b>	<b>185.34</b>
b	Misc. receipts	0.20	0.25	0.30	0.35	0.35	0.40
c	Subsidy as determined by SERC						
	i) Subsidy for Domestic Consumers						
	ii) Subsidy for Agriculture Consumers						
	iii) Other Subsidy if any						
	<b>Sub Total of (i), (ii) &amp; (iii) :-</b>						
	<b>Total of - 13 :-</b>	<b>110.91</b>	<b>165.83</b>	<b>126.44</b>	<b>153.33</b>	<b>153.33</b>	<b>185.74</b>
14	Revenue Expenditure (Rs. Crore)						
	i) Fuel (Details in Proforma - 5)	8.05	3.41	2.69	2.59	2.59	2.38
	ii) Power Purchased (Details in Proforma - 8)	100.00	96.20	92.00	103.02	103.02	124.75
	iii) O & M Expenses (Details in Proforma - 7)	15.00	28.30	33.00	36.00	37.00	42.00
	iv) Others	48.65	50.37	141.48	109.45	109.45	119.95
	<b>Total of 14 :-</b>	<b>171.70</b>	<b>178.28</b>	<b>269.17</b>	<b>251.06</b>	<b>252.06</b>	<b>289.08</b>
15	<b>Gross operating Surplus / Deficit (13 - 14)</b>	<b>-60.79</b>	<b>-12.45</b>	<b>-142.73</b>	<b>-97.73</b>	<b>-98.73</b>	<b>-103.34</b>
16	Depreciation due (Rs. Crore)						
17	<b>Gross operating Surplus after depreciation (15 - 16)</b>	<b>-60.79</b>	<b>-12.45</b>	<b>-142.73</b>	<b>-97.73</b>	<b>-98.73</b>	<b>-103.34</b>

Name of the SEB / ED :-							
Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		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	18.00	17.00	16.90	17.00	17.00	19.00
	iv) On PFC Loans						
	v) Other Loans						
	<b>Total of 18 :-</b>	<b>18.00</b>	<b>17.00</b>	<b>16.90</b>	<b>17.00</b>	<b>17.00</b>	<b>19.00</b>
19	Net operating Surplus / Deficit after interest to Institutions. Creditors (17 - 18)	-78.79	-29.45	-159.63	-114.73	-115.73	-122.34
20	Interest due to State Govt. (Rs. Crore)						
21	Commercial Profit (+) / Loss (-) (19 - 20)	-78.79	-29.45	-159.63	-114.73	-115.73	-122.34
22	Commercial Profit (+) / Loss (-) without subsidy (21 - 13(c))						
23	Interest actually paid to State Govt.						
24	Retained Surplus (+) / Deficit (-) (19 - 23)	-78.79	-29.45	-159.63	-114.73	-115.73	-122.34

Name of the SEB / ED :-							
Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
25	Internal resources (Rs. Crore)						
i)	Retained Revenue Surplus / Deficit	-78.79	-29.45	-159.63	-114.73	-115.73	-122.34
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						
	<b>Gross Internal Resources at current rates of Tariff (24)</b>	<b>-78.79</b>	<b>-29.45</b>	<b>-159.63</b>	<b>-114.73</b>	<b>-115.73</b>	<b>-122.34</b>
26	Repayment of Loans (excluding Repayment of market borrowings)						
	ii) To LIC						
	iii) To REC						
	iii) To PFC						
	iv) To State Govt. if any						
	v) Others						
	<b>Total of 26 :-</b>						
27	Net Internal Resources at Current Rate / Tariff (24 - 25)	<b>-78.79</b>	<b>-29.45</b>	<b>-159.63</b>	<b>-114.73</b>	<b>-115.73</b>	<b>-122.34</b>

Name of the SEB / ED :-							
Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
28	i) Net fixed assets in services at the beginning of the year (Rs. Crore) (Proforma - 8)	1112.00	1112.00	1150.00	1265.00	1265.00	1392.00
	ii) Cumulative depreciation at the beginning of the year (Rs. Crore)	40.00	40.00	45.00	50.00	50.00	55.00
	iii) Cumulative depreciation at the end of the year (Rs. Crore)	60.00	40.00	45.00	50.00	50.00	55.00
	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	8948	8750	8700	8650	8650	8600
	a Technical Staff						
	b Non - Technical Staff						
	ix) No. of employees per million Kwh Sold	26.34	16.46	23.73	20.64	20.64	18.47
	x) No. of consumers at the end of the year	145310	182699	228372	251210	251210	276332
	xi) No. of employees per 1000 consumers	61.58	47.89	38.10	34.43	34.43	31.12
	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)						



Name of the SEB / ED :-							
Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
	c) Balance due (Rs. Crore)						
xiii)	a) Taxes levied by the State Govt. on the consumers in addition to the tariff (Rs. Crore)						
	b) Tax levied per unit of energy sold (Paise/unit)						
xiv)	Wage Bill						
	c) For Technical Staff	41.00	40.82	45.00	67.41	67.41	74.15
	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 details as per tariff award to be given in Proforma - X)						
xviii)	Revenue arrears at the end of the year (Rs. Cr.)	35.00	37.00	38.00	42.00	42.00	46.00
	a) Amount realisable (excluding Bad Debt)						
	b) As % of sales revenue of the year	32%	22%	30%	27%	27%	25%
	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.						

Name of the SEB / ED :-							
Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		A	A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7	8
b	Market Loan						
c	LIC Loan						
d	REC Loan						
e	PFC Loan						
f	Other Loans	60.00	55.00	55.00	61.00	61.00	67.00
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						

## Resources Discussions - Annual Plan 2011 - 12

## Financing of Capital Expenditure

Name of the SEB / ED :-

Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		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	131.01	135.00	140.00	154.00	154.00	170
ii)	On works in progress						
	Total of (a) & (b) :-	<b>131.01</b>	<b>135.00</b>	<b>140.00</b>	<b>154.00</b>	<b>154.00</b>	<b>170.00</b>
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						

Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		A	A	A	BE	RE	ANL. Plan
1	2	3	4	5	6	7	8
	Net Loans (i - ii)						
e	i) Borrowings from REC (Gross)	9.50	12.00	3.00	11.18	11.18	10.00
	ii) Repayment, if any	17.00	16.50	4.00	12.64	12.64	11.00
	Net Loans (i - ii)	-7.50	-4.50	-1.00	-1.46	-1.46	-1.00
f	i) Borrowing from PFC (Gross)						
	ii) Repayment, if any						
	Net Loans (i - ii)						
g	i) Borrowing from other (Gross) NABARD						
	ii) Repayment, if any						
	Net Loans (i - ii)						
3	Total capital receipts for Financing the Capital Expenditure	131.01	135.00	140.00	154.00	154.00	170.00
4	Internal Resources (after providing for repayment of loan)						
5	Total resources for Capital Expenditure (3 + 4)	131.01	135.00	140.00	154.00	154.00	170.00
6	Capital Expenditure						
i)	Plan	131.01	135.00	140.00	154.00	154.00	170.00
ii)	Outside Plan	20.00	150.00	200.00	220	220.00	242.00
	Total (i + ii) :-	151.01	285.00	340.00	374.00	374.00	412.00

Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		A	A	A	BE	RE	ANL. Plan
1	2	3	4	5	6	7	8
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						

## Resources Discussions - Annual Plan 2011 - 12

## Performance on Generating Station

Name of the SEB / ED :-		Arunachal Pradsh									
Sl. No.	Item	2007 - 08					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	33.72	52.21		50%	17.00%	45.00	80.00		50%	17.00%
2	Diesel	25.00	4.89		60%	25.00%	18.00	3.70		40%	25.00%
3	Others / Inputs / UI		181.52					500.00			
	<b>Total :-</b>		<b>238.62</b>					<b>583.70</b>			

## Resources Discussions - Annual Plan 2011 - 12

## Performance on Generating Station

Name of the SEB / ED :-

Arunachal Pradesh

Sl. No.	Item	2009 - 10					2010 - 11 (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	13	14	15	16	17	18	19	20	21	22
1	Hydel	50	90		50%	17%	52.62	99.00		60%	17%
2	Diesel	15	2.08		40%	2%	12	1.66		44%	2%
3	Others / Inputs / UI		500					500			
	<b>Total :-</b>		<b>592.08</b>					<b>600.66</b>			

## Resources Discussions - Annual Plan 2011 - 12

## Performance on Generating Station

Name of the SEB / ED :-		Arunachal Pradesh									
Sl. No.	Item	2010 - 11 (RE)					2011 - 12				
		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	23	24	25	26	27	28	29	30	31	32
1	Hydel	52.62	99		60%	17%	72.87	137.10		65%	20%
2	Diesel	12	1.66		44%	2%	10	1.39		50%	2%
3	Others / Inputs / UI		500					500			
	<b>Total :-</b>		<b>600.66</b>					<b>638.49</b>			



**Proforma - 4**

**Resources Discussions - Annual Plan 2011 - 12**

**Category - wise Energy Sale / Average Rate per Unit and Revenue  
(including fuel surcharge recovery but excluding state electricity duty)**

Name of the SEB / ED :-		Arunachal Pradesh												
Sl. No.	Category of Consumers	2007 - 08				2008 - 09				2009 - 10				
		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	47.75	265	12.65	112750	101.85	280	28.52	141206	106.94	294	31.44	176507	
2	Agriculture	19.92												
3	a) Industry LT	22.13	315	6.97	17456	47.25	330	15.59	22481	49.61	346.5	17.19	28101	
	b) Industry HT	55.00	240	13.20		93.45	250	23.36		98.12	262.5	25.76		
4	Bulk		290		745		305		937		320.25		1171	
5	Commercial	9.54	315	8.51	12379	30.45	330	10.05	15500	31.97	346.5	11.08	19375	
6	Public Lighting	}	315	4.41	1894	17.85	330	5.89	2457	18.74	346.5	6.49	3071	
7	Public Water Works		15.39	260	2.60	85	12.60	280	3.53	117	13.23	294	3.89	146
8	Others													
	Total (1 to 8) :-	169.73	276	48.34	<b>145309</b>	<b>303.45</b>	287	<b>86.94</b>	<b>182698</b>	<b>318.62</b>	<b>315.75</b>	<b>95.85</b>	<b>228371</b>	
9	Outside the State i) Trading	<b>170.00</b>	<b>270</b>	53.00	1	<b>228.00</b>	<b>375.00</b>	72.15	1	48	468.75	17.22	1	
	ii) U.I	<b>47.00</b>		9.37		<b>19.00</b>		6.49		31		13.07		
10	Grand Total :-	<b>386.73</b>	<b>273</b>	<b>110.71</b>	<b>145310</b>	<b>550.45</b>	<b>661.51</b>	<b>165.58</b>	<b>182699</b>	<b>397.62</b>	<b>784.50</b>	<b>126.14</b>	<b>228372</b>	
* Note :- Number of consumers in each category to be indicated.														
* Please also indicate % of total sales and revenue received under each category in Brackets.														

## Resources Discussions - Annual Plan 2011 - 12

Category - wise Energy Sale / Average Rate per Unit and Revenue  
(including fuel surcharge recovery but excluding state electricity duty)

Name of the SEB / ED :- Arunachal Pradesh													
Sl. No.	Category of Consumers	2010 - 11 (BE)				2010 - 11 (RE)				2011 - 12			
		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	15	16	17	18	19	20	21	22	23	24	25	26
1	Domestic	117.64	323.4	38.04	194158	117.64	323.4	38.04	194158	129.40	355.74	46.03	213574
2	Agriculture												
3	a) Industry LT	54.57	381.15	20.80	30911	54.57	381.15	20.80	30911	60.03	419.265	25.17	34002
	b) Industry HT	107.93	288.75	31.17		107.93	288.75	31.17		118.73	317.625	37.71	
4	Bulk		352.275		1288		352.275		1288		387.5025		1417
5	Commercial	35.17	381.15	13.40	21313	35.17	381.15	13.40	21313	38.69	419.265	16.22	23444
6	Public Lighting	20.62	381.15	7.86	3378	20.62	381.15	7.86	3378	22.68	419.265	9.51	3716
7	Public Water Works	14.55	323.4	4.71	161	14.55	323.4	4.71	161	16.01	355.74	5.69	177
8	Others												
	Total (1 to 8) :-	<b>350.48</b>	<b>347.33</b>	<b>115.98</b>	<b>251209</b>	<b>350.48</b>	<b>347.33</b>	<b>115.98</b>	<b>251209</b>	<b>385.53</b>	<b>382.06</b>	<b>140.34</b>	<b>276330</b>
9	Outside the State i) Trading	68.54	516	24.00	1	68.54	516	24.00	1	80.00	568	30.00	2
	ii) U.I	60.19		13.00		60.19		13.00		70.00		15.00	
10	Grand Total :-	<b>479.21</b>	<b>863.33</b>	<b>152.98</b>	<b>251210</b>	<b>479.21</b>	<b>863.33</b>	<b>152.98</b>	<b>251210</b>	<b>535.53</b>	<b>950.06</b>	<b>185.34</b>	<b>276332</b>
	* Note :- Number of consu												
	* Please also indicate % c												

## Resources Discussions - Annual Plan 2011 - 12

## Expenditure on Fuel (Coal / Lignite / Diesel)

Name of the SEB / ED :-		Arunachal Pradesh												
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
<b>For the Year 2007 - 08</b>														
2	Diesel	8.00			2300			35000		8.05	8.05			
<b>For the Year 2008- 09</b>														
3	Diesel	2.787			850			40150		3.41	3.41			
<b>For the Year 2009 - 10</b>														
4	Diesel	2.08			638.83			42157		2.69	2.69			
<b>For the Year 2009 - 10 (BE)</b>														
5	Diesel	1.9			575.00			45000		2.59	2.59			
<b>For the Year 2010 - 11 (RE)</b>														
7	Diesel	1.9			575			45000		2.59	2.59			
<b>For the Year 2010 - 11</b>														
8	Diesel	1.7			518			4600		2.38	2.38			
<b>Total / Overall Average</b>														
<b>MT = Metric Tonne, ml = Milli Litres, KL = Kilo Litres</b>														

## Resources Discussions - Annual Plan 2011 - 12

## Expenditure on Fuel (Gas)

Name of the SEB / ED :-		Arunachal Pradesh					
Sl. No.	Name of the Thermal Station	Energy Generation MKwh	Consumption Gas		Cost (Rs.)	Total Fuel Cost (Rs. Crore)	Cost / Kwh
			Total	(Lit/Kwh)	Disel (Per Lit)		(Paise/Kwh)
1	2	3	4	5	6	7	8
	For the Year 2007 - 08						
	For the Year 2008 - 09						
	For the Year 2009 - 10 (BE)						
	For the Year 2009 - 10 (RE)						
	For the Year 2010 - 11						
	For the Year 2011 - 12						
	Total / Overall Average						
	Cu.M = Cubic Meter						





## Resources Discussions - Annual Plan 2011- 12

## Revenue Expenditure - Operating and Maintenance / Establishment and Administrative Charges

Name of the SEB / ED :-

Sl. No.	Component of Expenditure	2007 - 08	2008 - 09	2009 - 10	2010-11		2011 - 12
					BE	RE	
<b>I</b>	<b>Operating and Maintenance</b>						
1	Base level expenditure of the previous year	12.00	23.30	25.00	28.00	28.00	31.00
2	Normal Annual Increase						
3	Increase due to commissioning of new units / lines (to be specified)	3.00	5.00	8.00	8.00	9.00	11.00
4	Other items						
5	<b>Total (Rs. Crore) :-</b>	<b>15.00</b>	<b>28.30</b>	<b>33.00</b>	<b>36.00</b>	<b>37.00</b>	<b>42.00</b>
6	Cost per unit of sale (Paise / Kwh sold)	38.79	51.41	82.99	75.12	77.21	78.43
<b>II</b>	<b>Establishment &amp; Administrative Charges</b>						
1	Base level expenditure of the previous year	46.00	47.62	138.63	106.45	106.45	116.45
2	Normal Annual Increase						
3	Increase due to commissioning of new units / lines (to be specified)	2.65	2.75	2.85	3.00	3.00	3.50
4	Increase due to DA / Pay revision						
5	Other items						
6	<b>Total (Rs. Crore) :-</b>	<b>48.65</b>	<b>50.37</b>	<b>141.48</b>	<b>109.45</b>	<b>109.45</b>	<b>119.95</b>
7	Cost per unit of sale (Paise / Kwh sold)	126	91.51	355.81	228.39	228.39	223.98

## Resources Discussions - Annual Plan 2011 - 12

## Rate of Return on net fixed Assets

Name of the SEB / ED :-

Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		A	A		BE	RE	Annual Plan
1	2	3	4	5	6	7	8
<b>A</b>	<b>Income</b>						
1	Revenue receipts from Electricity Sales	110.71	165.58	126.14	152.98	152.98	185.34
2	Misc. Revenue	0.20	0.25	0.30	0.35	0.35	0.40
3	Subsidy (Agriculture Consumers)						
4	Other Subsidy, if any						
	<b>Total of A :-</b>	<b>110.91</b>	<b>165.83</b>	<b>126.44</b>	<b>153.33</b>	<b>153.33</b>	<b>185.74</b>
<b>B</b>	<b>Expenses</b>						
1	Fuel (Diesel) (Proforma - 5A)	8.05	3.41	2.69	2.59	2.59	2.38
2	Purchase of Power (Proforma - 6)	100.00	96.20	92.00	103.02	103.02	124.75
3	Operation and Maintenance	15.00	28.30	33.00	36.00	37.00	42.00
4	Establishment Expenditure	48.65	50.37	141.48	109.45	109.45	119.95
5	Depreciation						
6	Other Misc. Expenditure						
	<b>Total of B:-</b>	<b>171.70</b>	<b>178.28</b>	<b>269.17</b>	<b>251.06</b>	<b>252.06</b>	<b>289.08</b>
<b>C</b>	<b>Operating Income (A - B)</b>	<b>-60.79</b>	<b>-12.45</b>	<b>-142.73</b>	<b>-97.73</b>	<b>-98.73</b>	<b>-103.34</b>
<b>D</b>	<b>Interest Due</b>	18.00	17.00	16.90	17.00	17.00	19.00
	a) To financial Institute						



SI. No.	Item	2007 - 08	2008 - 09	2009-10	2010 - 11		2011 - 12
		A	A		BE	RE	Annual Plan
1	2	3	4	5	6	7	8
	b) To State Govt.						
	<b>Total of D :-</b>	<b>18.00</b>	<b>17.00</b>	<b>16.90</b>	<b>17.00</b>	<b>17.00</b>	<b>19.00</b>
<b>E</b>	Net Surplus / Deficit (C - D)	<b>-78.79</b>	<b>-29.45</b>	<b>-159.63</b>	<b>-114.73</b>	<b>-115.73</b>	<b>-122.34</b>
<b>F</b>	Value of net fixed assets employed at the beginning of the year	1112.00	1112.00	1150.00	1265.00	1265.00	1392.00
<b>G</b>	Rate of return %	65%	93%	47%	61%	61%	64%
<b>H</b>	Increase in average tariff Required (Paise/Kwh) to obtain						
	a) % ROR	50.54%	33.55%	73.42%	59.92%	60.15%	62.10%
	b) 3 % ROR	52.06%	34.55%	75.62%	61.71%	61.96%	63.96%

## Resources Discussions - Annual Plan 2011 - 12

## Outstanding dues to the Central Undertaking and Others

Sl. No.	Name of the Undertakings	Dues upto 31.03.2010	Dues from 01.04.2010 to 31.03.2011	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
	<b>Sub Total of 1 :-</b>			
2	Others			
3	<b>Total of (1 + 2)</b>			

## Resources Discussions - Annual Plan 2011 - 12

## Electricity Consumption\*

Name of the SEB / ED :-

Sl. No.	Item	2007 - 08		2008 - 09		2009 - 10		2010 - 11(BE)		2010 - 11(RE)		2011 - 12	
		#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)	#Rate (Paise / Kwh)	Unit (MU)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Domestic	265	47.75	280	101.85	294.00	106.94	323.40	117.64	323.4	117.64	355.74	129.40
2	Agriculture		19.92										
3	a) Industry LT	315	22.13	330	47.25	346.50	49.61	381.15	54.57	381.15	54.57	419.27	60.03
	b) Industry HT	240	55.00	250	93.45	262.50	98.12	288.75	107.93	288.75	107.93	317.63	118.73
4	Bulk	290		305		320.25		352.28		352.28		387.50	
5	Commercial	315	9.54	330	30.45	346.50	31.97	381.15	35.17	381.15	35.17	419.27	38.69
6	Public Lighting	315		330	17.85	346.50	18.74	381.15	20.62	381.15	20.62	419.27	22.68
7	Public Water Works	260	15.39	280	12.60	294.00	13.23	323.40	14.55	323.40	14.55	355.74	16.01
8	Others												
	<b>Total (1 to 8) :-</b>	<b>276</b>	<b>169.73</b>	<b>287</b>	<b>303.45</b>	<b>315.75</b>	<b>318.62</b>	<b>347.33</b>	<b>350.48</b>	<b>347.33</b>	<b>350.48</b>	<b>382.06</b>	<b>385.53</b>
9	Outside the State i) Trading	<b>270</b>	<b>170.00</b>	<b>375</b>	<b>228.00</b>	<b>468.75</b>	<b>48.00</b>	<b>516.00</b>	<b>68.54</b>	<b>516.00</b>	<b>68.54</b>	<b>568.00</b>	<b>80.00</b>
	ii) U.I		<b>47.00</b>		<b>19.00</b>		<b>31.00</b>		<b>60.19</b>		<b>60.19</b>		<b>70.00</b>
	<b>Grand Total :-</b>	<b>273</b>	<b>386.73</b>	<b>661.51</b>	<b>550.45</b>	<b>784.50</b>	<b>397.62</b>	<b>863.33</b>	<b>479.21</b>	<b>863.33</b>	<b>479.21</b>	<b>950.06</b>	<b>535.53</b>
10	No. of households Electrified												
	(No. of Consumers)		145310		182699		228372		251210		251210		276332
	Note:- * Please give percentage within brackets												
	# Category wise tariff rate as approved by the State Electricity Regulatory Commission												

## Resources Discussions - Annual Plan 2011 - 12

## Private Sector Power Projects

Name of the SEB / ED :-

Sl. No.	Item	2007 - 08	2008 - 09	2009-10	2010 -11		2011 -12
		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 (%)						

## Resources Discussions - Annual Plan 2011 - 12

## Efficiency Improvement

Name of the SEB / ED :-

Sl. No.	Item	Unit	2007 - 08	2008 - 09	2009 - 10	2010 - 11		2011 - 12
						BE	RE	
I	i) Energy supplied at 11/33 KV Feeders	MU						
	ii) Energy Billed at 11/33 KV Feeders	MU		550.45	397.62	479.21	479.21	535.53
	iii) Actual Billing	Rs. Crore		165.58	126.14	152.98	152.98	185.34
	iv) Revenue Realisation	Rs. Crore		120	130	143	143	157
	v) % of Realisation	%		72.47%	103.06%	93.48%	93.48%	84.71%
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 feeders is being installed during this financial year and will be completed soon.							