

**GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF THE CHIEF ENGINEER (P) : WESTERN ELECT. ZONE
DEPT. OF POWER, VIDYUT BHAWAN, ITANAGAR – 791 111**

NO.CE(P)/WEZ/P&E / RA/2011-12

Dated Itanagar the 4th Jan. 2012

To

Shri Alexander Jacob,
Joint Advisor (Power),
Planning Commissioning,
Yojana Bhawan, Govt. of India,
New Delhi.

Sub:- Assessment of Financial Resources for 2012 – 13 – Arunachal Pradesh State Electricity Boards / Electricity Departments.


Ref:- No.I-10(11)/1/2012-P&E dated 13/12/2011.

Sir,

In response to your letters under reference please find enclosed herewith the details Assessment of Financial Resources for 2012 – 13 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),
Western Electrical Zone, DoP,
Vidyut Bhawan, Itanagar.

NO.CE(P)/WEZ/P&E / RA/2011-12/4256-57 Dated Itanagar the 3rd Jan. 2012
Copy to:-

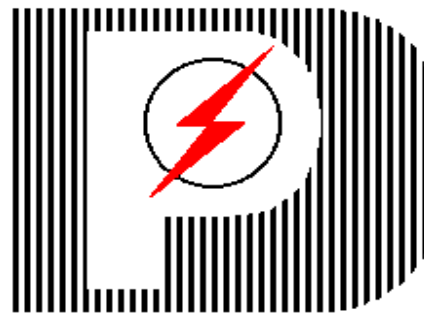
1. The Secretary (Power), Govt. of Arunachal Pradesh, Itanagar for information.
2. The Secretary (Planning), Govt. of Arunachal Pradesh, Itanagar for information.
3. The Chief Engineer (P), Eastern Electrical Zone, DoP, Vidyut Bhawan, Itanagar for information.


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

o/c

RESOURCE ASSESSMENT

2012 - 13



DEPARTMENT OF POWER

ARUNACHAL PRADESH

Resources Discussions - Annual Plan 2012 - 13

Summary Statement

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh

Sl. No.	Item	2009-10	2010 - 11	2011 - 12		End of 12th Plan (2016 - 17)	2012 - 13 Annual Plan
		A	A	BE	RE		
1	2	3	4	5	6	7	8
1	Installed Capacity (MW) at the end of the year (Details in Proforma - 3)						
i)	Hydel	41.57	43.84	86.33	102.49	157.65	125.135
ii)	Stream						
iii)	Gas						
iv)	Diesel	25.00	15.98	15.98	15.00	5.00	10.00
v)	Others (wind etc.)						
	Total of 1:-	66.57	59.82	102.31	117.49	162.65	135.14
2	Gross Generation inclusive of auxiliary consumption (MKwh) (Details in Proforma - 3)						
i)	Hydel	54.73	57.62	58.97	60.00	200.00	95.00
ii)	Stream						
iii)	Gas						
iv)	Diesel	2.59	2.11	2.22	2.00	0.75	1.50
v)	Others (Wind etc., free power)	122.30	167.98	168.00	170.00	850.00	175.00
	Total of 2:-	179.62	227.71	229.19	232.00	1050.75	271.50
3	Overall Plant availability (Thermal %)						

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
SI. No.	Item	2009-10	2010 - 11	2011 - 12		End of 12th Plan (2016 - 17)	2012 - 13 Annual Plan
		A	A	BE	RE		
1	2	3	4	5	6	7	8
4	Overall PLF (Thermal) (%)						
5	Auxiliary consumption (MKwh) with % in brackets below	0.86%	0.64%	0.64%	0.63%	1.43%	0.96%
i)	Hydel	1.35	1.35	1.35	1.351	15.00	2.50
ii)	Steam						
iii)	Gas						
iv)	Diesel	0.2	0.115	0.115	0.12	0.05	0.10
v)	Other (wind etc.)						
	Total of 5 :-	1.55	1.465	1.465	1.471	15.05	2.60
6	Net Generation (2 - 5) (MKwh)	178.07	226.25	227.72	230.53	1035.70	268.90
7	Total Power Purchased (MKwh) (Proforma - 6)	310.10	400.94	373.00	400.00	600.00	465.00
i)	Purchase from Central Sector						
ii)	Purchase from IPPs/Private Sector						
iii)	Purchase from State Utility						
iv)	Purchase from others						
8	Total Energy availability (6 + 7) (Mkwh)	488.17	627.19	600.72	630.53	1635.70	733.90
9	T & D Losses (Mkwh)						
i)	Transmission Losses	252.00	308.00	264.00	266.00	575.00	280.00

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
Sl. No.	Item	2009-10	2010 - 11	2011 - 12		End of 12th Plan (2016 - 17)	2012 - 13 Annual Plan
		A	A	BE	RE		
1	2	3	4	5	6	7	8
ii)	Distribution Losses						
	Total (i) and (ii) :-	252.00	308.00	264.00	266.00	575.00	280.00
10	% of T & D Losses (9 as of 8)	51.62%	49.11%	43.95%	42.19%	35.15%	38.15%
11	Energy available for sale (Details in Proforma - 4 (MKwh)	237.72	319.90	271.92	285.08	900.00	425.89
i)	Within State (tally with proforma - 4)	158.58	187.55	219.86	228.08	320.00	250.89
ii)	Outside State (Proforama - 4)	79.14	132.35	52.06	57.00	260.00	175.00
	Total (i), (ii) and (iii) :-	237.72	319.90	271.92	285.08	580.00	425.89
12	Average rate for Sale (Paise/KWh)						
i)	Within State (Proforma - 4)	283	323	339	339	400	355
ii)	Outside State (Proforma - 4)	390	280	332	332	400	335
13	Revenue Receipts (Rs. Crore)						
a	Revenue from Sale						
i)	Within State (Proforma - 4)	47.25	59.04	72.81	72.94	128.00	86.96
ii)	Outside State (Proforma - 4)	30.89	37.06	17.28	30.00	180.00	58.63
	Sub Total of (i), (ii) ,(iii) & (IV) :-	78.14	96.10	90.09	102.94	308.00	145.59
b	Misc. receipts	0.30	0.35	0.35	0.40	0.50	0.45

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
Sl. No.	Item	2009-10	2010 - 11	2011 - 12		End of 12th Plan (2016 - 17)	2012 - 13 Annual Plan
		A	A	BE	RE		
1	2	3	4	5	6	7	8
c	Subsidy						
	i) Subsidy for Domestic Consumers						
	ii) Subsidy for Agriculture Consumers						
	iii) Other Subsidy if any						
	Sub Total of (i), (ii) & (iii) :-						
	Total of - 13 :-	78.44	96.45	90.44	103.34	308.50	146.04
14	Revenue Expenditure (Rs. Crore)						
	i) Fuel (Details in Proforma - 5)	3.84	3.33	3.19	2.86	3.00	2.14
	ii) Power Purchased (Details in Proforma - 6)	95.35	112.97	132.22	167.34	285.00	161.22
	iii) O & M Expenses (Details in Proforma - 7)	33.00	36.00	42.00	44.00	70.00	48.00
	iv) Others (Proforma - 8)	141.48	109.45	119.95	124.00	140.00	129.50
	Total of 14 :-	273.66	261.75	297.36	338.20	498.00	340.87
15	Gross operating Surplus / Deficit (13 - 14)	-195.22	-165.30	-206.92	-234.86	-189.50	-194.83
16	Depreciation due (Rs. Crore)						
17	Net operating Surplus after depreciation (15 - 16)	-195.22	-165.30	-206.92	-234.86	-189.50	-194.83
18	Interest payable to Industrial Creditors (Rs. Cr.)						
	i) On Market Loans						

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
SI. No.	Item	2009-10	2010 - 11	2011 - 12		End of 12th Plan (2016 - 17)	2012 - 13 Annual Plan
		A	A	BE	RE		
1	2	3	4	5	6	7	8
	ii) On LIC Loans						
	iii) On REC Loans (Proforma - 8)	16.90	17.00	17.00	19.00	22.00	19.00
	iv) On PFC Loans						
	v) Other Loans						
	Total of 18 :-	16.90	17.00	17.00	19.00	22.00	19.00
19	Net operating Surplus / Deficit after interest to Institutions. Creditors (17 - 18)	-212.12	-182.30	-223.92	-253.86	-211.50	-213.83
20	Interest due to State Govt. (Rs. Crore)						
21	Commercial Profit (+) / Loss (-) with subsidy (19 - 20) (Rs. Cr.)	-212.12	-182.30	-223.92	-253.86	-211.50	-213.83
22	Commercial Profit (+) / Loss (-) without subsidy (21 - 13(c)) (Rs. Crore)						
23	Interest actually paid to State Govt.						
24	Retained Surplus (+) / Deficit (-) (19 - 23)	-212.12	-182.30	-223.92	-253.86	-211.50	-213.83
25	Internal resources (Rs. Crore)						
i)	Retained Revenue Surplus / Deficit	-212.12	-182.30	-223.92	-253.86	-211.50	-213.83
ii)	Depreciation						

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
Sl. No.	Item	2009-10	2010 - 11	2011 - 12		End of 12th Plan (2016 - 17)	2012 - 13 Annual Plan
		A	A	BE	RE		
1	2	3	4	5	6	7	8
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 (25)	-212.12	-182.30	-223.92	-253.86	-211.50	-213.83
26	Repayment of Loans						
	ii) To LIC						
	iii) To REC						
	iii) To PFC						
	iv) To State Govt. if any						
	v) Others						
	Total of 26 :-						
27	Net Internal Resources at Current Rate / Tariff (24 - 25) (Rs.Cr.)	-212.12	-182.30	-223.92	-253.86	-211.50	-213.83
28							
i)	Net fixed assets in services at the beginning of the year (Rs. Crore) (Proforma - 8)	1150.00	1265.00	1265.00	1392.00	1500.00	1450.00
ii)	Cumulative depreciation at the beginning of the year (Rs. Crore)	45.00	50.00	50.00	55.00	65.00	60

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
SI. No.	Item	2009-10	2010 - 11	2011 - 12		End of 12th Plan (2016 - 17)	2012 - 13 Annual Plan
		A	A	BE	RE		
1	2	3	4	5	6	7	8
iii)	Cumulative depreciation at the end of the year (Rs. Crore)	45.00	50.00	50.00	55.00	65.00	60
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) Collection (Rs. Crore)						
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	9700	9800	9823	9916	12000.00	10000
a	Technical Staff						
b	Non - Technical Staff						
ix)	No. of employees per million Kwh Sold	40.80	30.63	36.12	34.78	20.69	20.69
x)	No. of consumers at the end of the year	157031	174647	197573	197573	300000	217323
xi)	No. of employees per 1000 consumers	61.77	56.11	49.72	50.19	40.00	46.01
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)						
	b) Tax levied per unit of energy sold (Paise/unit)						

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
SI. No.	Item	2009-10	2010 - 11	2011 - 12		End of 12th Plan (2016 - 17)	2012 - 13 Annual Plan
		A	A	BE	RE		
1	2	3	4	5	6	7	8
xiv)	Wage Bill						
	c) For Technical Staff	45.00	67.41	67.41	72.00	140.00	81.00
	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 details as per tariff award to be given in Proforma - 10)						
xviii)	Revenue arrears at the end of the year (Rs. Cr.)	38.00	42.00	42.00	46.00	75	50
a	Amount realisable (excluding Bad Debt)						
b	As % of sales revenue of the year	48%	44%	46%	45%	24%	34%
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						
e	PFC Loan						

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
SI. No.	Item	2009-10	2010 - 11	2011 - 12		End of 12th Plan (2016 - 17)	2012 - 13 Annual Plan
		A	A	BE	RE		
1	2	3	4	5	6	7	8
f	Other Loans						
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						
xxii)	Amount due from ;other Board / Agencies						
xxiv)	Loans anctioned during the year (Rs. Crore)						
a	State Govt.						
b	Market Borrowings						
c	LIC						
d	REC						
e	PFC						
f	Others						
	Note:- Wherever actual figures are not availabale, projections may be given.						

Resources Discussions - Annual Plan 2012 - 13

Financing of Capital Expenditure

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh

Sl. No.	Item	2009-10	2010 - 11	2011 - 12	2011 - 12	2012 - 13
		A	A	BE	RE	AP
1	2	3	4	5	6	7
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	140.00	154.00	154.00	170	185
ii)	On works in progress					
	Total of (a) & (b) :-	140.00	154.00	154.00	170.00	185.00
2	Financing of Capital Expenditure					
a	State Govt. Grants (APDRP / RGGVY etc.)					
b	i) State Govt. Loans (Gross)					
	ii) Repayment, if any					
	Net Loans (i - ii)					
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	2009-10	2010 - 11	2011 - 12	2011 - 12	2012 - 13
		A	A	BE	RE	AP
1	2	3	4	5	6	7
	Net Loans (i - ii)					
e	i) Borrowings from REC (Gross)	3.00	11.18	11.18	10.00	10
	ii) Repayment, if any					
	Net Loans (i - ii)	3.00	11.18	11.18	10.00	10.00
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	140.00	154.00	154.00	170.00	185.00
4	Internal Resources (after providing for repayment of loan)					
5	Total resources for Capital Expenditure (3 + 4)	140.00	154.00	154.00	170.00	185.00
6	Capital Expenditure					
i)	Plan	140.00	154.00	154.00	170.00	185.00
ii)	Outside Plan	200.00	220	220.00	242.00	242.00
	Total (i + ii) :-	340.00	374.00	374.00	412.00	427.00

Sl. No.	Item	2009-10	2010 - 11	2011 - 12	2011 - 12	2012 - 13
		A	A	BE	RE	AP
1	2	3	4	5	6	7
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 2012 - 13

Performance of Generating Station

Name of the Power Utility / SEB / ED ; - Department of Power, Arunachal Pradesh

Sl. No.	Name of Station	2009 - 10					2010 - 11				
		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	41.57	54.73		50%	17%	43.84	57.62		60%	17%
2	Diesel	25.00	2.59		40%	2%	15.98	2.11		44%	2%
3	Others / Inputs / UI		122.30					167.98			
	Total :-		179.62					227.71			

Resources Discussions - Annual Plan 2011 - 12

Performance on Generating Station

Name of the Power Utility / SEI

Department of Power, Arunachal Pradesh

Sl. No.	Name of Station	2011 - 12 (BE)					2011 - 12 (RE)				
		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	86.325	58.97		60%	17%	102.49	60.00		65%	20%
2	Diesel	15.98	2.22		44%	2%	15.00	2.00		50%	2%
3	Others / Inputs / UI		168.00					170.00			
	Total :-		229.19					232.00			

Resources Discussions - Annual Plan 2011 - 12

Performance on Generating Station

Name of the Power Utility / SEI

Department of Power, Arunachal Pradesh

2012 - 13 AP

Sl. No.	Name of Station	Inst. Cap. (MW)	Energy Generation (MKwh)	Cost of Gen. (Rs./Kwh)	Plant Availability %	Plant Load Factor (5)
1	2	23	24	25	26	27
1	Hydel	125.14	95.00		65%	20%
2	Diesel	10.00	1.50		50%	2%
3	Others / Inputs / UI		175.00			
	Total :-					

Resources Discussions - Annual Plan 2012 - 13

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

Name of the Power Utility / Neme of the Power Utility / SEB / ED : - Department of Power, Arunachal PrDESH

Sl. No	Category of Consumers	2011 - 12 (RE)				2012 - 13			
		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
1	Domestic	72.38	330	23.89	154515	79.62	345	27.47	170000
2	Agriculture								
3	a) Industry LT	4.70	330	1.55	260	5.17	345	1.78	265
	b) Industry HT	72.00	330	23.76	7	79.20	345	27.32	7
4	Bulk								
5	Commercial	19.00	415	7.89	18115	20.90	435	9.09	19900
6	Public Lighting	8.00	325		2175	8.80	340	2.99	2400
7	Public Water Works	52.00	305	15.86	22500	57.20	320	18.30	24750
8	Others								
	Total (1 to 8) :-	228.08	339	72.94	197572	250.89	355	86.96	217322
9	Outside the State	57.00	332	30.00	1	175.00	335	58.63	1
10	Grand Total :-	285.08		102.94	197573	425.89		145.59	217323
	* Note :- Number of consume								
	* Please also indicate % of to								

Resources Discussions - Annual Plan 2012 - 13

Expenditure on Fuel (Coal / Lignite / Diesel)

Name of the Power Utility / SEB / ED :- Department of Power, 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
For the Year 2009 - 10														
1	Diesel	2.59			910			42157		3.84	3.84			
For the Year 2010 - 11														
2	Diesel	2.11			740			45000		3.33	3.33			
For the Year 2011 - 12 (BE)														
3	Diesel	2.22			780			40840		3.19	3.19			
For the Year 2011 - 12 (RE)														
4	Diesel	2.00			700			40840		2.86	2.86			
For the Year 2012 - 13														
5	Diesel	1.50			525			40840		2.14	2.14			
Total / Overall Average														
MT = Metric Tonne, ml = Milli Litres, KL = Kilo Litres														

Resources Discussions - Annual Plan 2012 - 13

Revenue Expenditure - Cost of Power Purchase

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh

Sl. No.	Source	2009 - 10 A			2010 - 11 A			2011 - 12 (BE)		
		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									
	i) KHEP	47.33	118	5.58	47.59	113	5.38	50	136	6.78
	ii) AGBPP	97.33	211	20.54	102.39	274	28.05	95	329	31.24
	iii) AGTPP	39.72	183	7.27	38.71	256	9.91	40	307	12.29
	iv) DHEP	11.86	384	4.55	16.86	284	4.79	15	341	5.11
	v) RHEP	65.86	223	14.69	90.46	165	14.93	65	198	12.87
b	NHPC									
	i) Loktak	18.44	120	2.21	29.19	96	2.80	20	115	2.30
c	NTPC									
	i) Frakka	0.82	299	0.25	20.16	349	7.04	30	419	12.56
	ii) Kehelgaon	0.39	271	0.11	8.68	289	2.51	15	347	5.20
	iii) Thelcher	0.62	194	0.12	12.62	242	3.05	20	290	5.81
	iv) PalatanaGBPP (Exp. Dec.12)									
d	Through U.I. (ABT Policy)	27.73	382	10.59	34.29	292	10.01	23	350	8.06
	Sub Total :	310.10		65.91	400.94		88.47	373.00		102.22
c	PGCIL									

Sl. No.	Source	2009 - 10 A			2010 - 11 A			2011 - 12 (BE)		
		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
	a) Postage Tariff @1.70 cr./Month			29.44			24.50			
	b) Point of Connection @2.5 cr. /M									30.00
	Grand Total :			95.35			112.97			132.22

Resources Discussions - Annual Plan 2012 - 13

Revenue Expenditure - Cost of Power Purchase

Name of the Power Utility / SEB / E/Name of the Power Utility / SEB / ED : - Department of Power, Arunachal Pradesh

Sl. No.	Source	2011 - 12 (RE)			2012 - 13 (AP)		
		Purchase (MKwh)	Rate (Paise / Kwh)	Total Cost (Rs. Crore)	Purchase (MKwh)	Rate (Paise / Kwh)	Total Cost (Rs. Crore)
1	2	12	13	14	15	16	17
1	Central Sector Power Projects in NE Region under (NHPC / NEEPCO / AGBPP / AGTPP etc.						
a	NEEPCO						
	i) KHEP	52	170	8.81	55	136	7.46
	ii) AGBPP	97	411	39.87	100	329	32.88
	iii) AGTPP	40	384	15.36	42	307	12.90
	iv) DHEP	16	426	6.82	18	341	6.13
	v) RHEP	67	248	16.58	70	198	13.86
b	NHPC						
	i) Loktak	22	144	3.17	25	115	2.88
c	NTPC						
	i) Frakka	33	524	17.28	35	419	14.66
	ii) Kehelgaon	18	434	7.80	20	347	6.94
	iii) Thelcher	22	363	7.99	25	290	7.26
	iv) PalatanaGBPP (Exp. Dec.12)	8	340	2.72	60	350	21.00
d	Through U.I. (ABT Policy)	25	438	10.95	15	350	5.26
	Sub Total :	400.00		137.34	465.00		131.22
c	PGCIL						

Sl. No.	Source	2011 - 12 (RE)			2012 - 13 (AP)		
		Purchase (MKwh)	Rate (Paise / Kwh)	Total Cost (Rs. Crore)	Purchase (MKwh)	Rate (Paise / Kwh)	Total Cost (Rs. Crore)
1	2	12	13	14	15	16	17
	a) Postage Tariff @1.70 cr./Month						
	b) Point of Connection @2.5 cr. /M			30.00			30.00
	Grand Total :			167.34			161.22

Resources Discussions - Annual Plan 2012- 13

Revenue Expenditure - Operating and Maintenance / Establishment and Administrative Charges

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh

Sl. No.	Component of Expenditure	2009 - 10	2010-11	2011 - 12	2011 - 12	2012 - 13
		A	A	BE	RE	AP
I	Operating and Maintenance					
1	Base level expenditure of the previous year	25.00	28.00	31.00	32.00	34.00
2	Normal Annual Increase					
3	Increase due to commissioning of new units / lines (to be specified)	8.00	8.00	11.00	12.00	14.00
4	Other items					
5	Total (Rs. Crore) :-	33.00	36.00	42.00	44.00	48.00
6	Cost per unit of sale (Paise / Kwh sold) (Proforma - 4)	139	113	154	154	113
II	Establishment & Administrative Charges					
1	Base level expenditure of the previous year	138.63	106.45	116.45	120.00	125.00
2	Normal Annual Increase					
3	Increase due to commissioning of new units / lines (to be specified)	2.85	3.00	3.50	4.00	4.50
4	Increase due to DA / Pay revision					
5	Other items					
6	Total (Rs. Crore) :-	141.48	109.45	119.95	124.00	129.50
7	Cost per unit of sale (Paise / Kwh sold) (Proforma - 4)	595	342	441	435	304

Resources Discussions - Annual Plan 2012 - 13

Rate of Return on net fixed Assets

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh

Sl. No.	Item	2009-10	2010 - 11	2011 - 12	2011 - 12	2012 - 13
		A	A	BE	RE	AP
1	2	3	4	5	6	7
A	Income					
1	Revenue receipts from Electricity Sales	78.14	96.10	90.09	102.94	145.59
2	Misc. Revenue	0.30	0.35	0.35	0.40	0.45
3	Subsidy (Agriculture Consumers)					
4	Other Subsidy, if any					
	Total of A :-	78.44	96.45	90.44	103.34	146.04
B	Expenses					
1	Fuel (Diesel) (Proforma - 5A)	3.84	3.33	3.19	2.86	2.14
2	Purchase of Power (Proforma - 6)	95.35	112.97	132.22	167.34	161.22
3	Operation and Maintenance (Proforma - 7)	33.00	36.00	42.00	44.00	48.00
4	Establishment Expenditure (Proforma - 7)	141.48	109.45	119.95	124.00	129.50
5	Depreciation					
6	Other Misc. Expenditure					
	Total of B:-	273.66	261.75	297.36	338.20	340.87
C	Operating Income (A - B)	-195.22	-165.30	-206.92	-234.86	-194.83
D	Interest Due	16.90	17.00	17.00	19.00	19.00
	a) To financial Institute					

SI. No.	Item	2009-10	2010 - 11	2011 - 12	2011 - 12	2012 - 13
		A	A	BE	RE	AP
1	2	3	4	5	6	7
	b) To State Govt.					
	Total of D :-	16.90	17.00	17.00	19.00	19.00
E	Net Surplus / Deficit (C - D)	-212.12	-182.30	-223.92	-253.86	-213.83
F	Value of net fixed assets employed at the beginning of the year	1150.00	1265.00	1265.00	1392.00	1450.00
G	Rate of return %	29%	37%	30%	31%	43%
H	Increase in average tariff Required (Paise/Kwh) to obtain					
	a) % ROR	115.12%	81.82%	109.36%	118.63%	80.04%
	b) 3 % ROR	118.57%	84.28%	112.64%	122.19%	82.44%

Resources Discussions - Annual Plan 2012 - 13

Outstanding dues to the Central Undertaking and Others

Name of the Power Utility / SEB / ED : - Department of Power, Arunachal Pradesh

Sl. No.	Name of the Undertakings	Dues upto 31.03.2011	Dues from 01.04.2011 to 31.03.2012	Outstanding dues as on (or which ever is the latest figures available)
1	2	3	4	5
1	Central Undertakings			
i)	NHPC			4.94
ii)	NEEPCO			10.62
iii)	PGCIL			2.71
	Sub Total of 1 :-			18.27
2	Others			
3	Total of (1 + 2)			18.27

Resources Discussions - Annual Plan 2012 - 13

Electricity Consumption*

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh

Sl. No.	Item	2009 - 10		2010 - 11		2011 - 12(BE)		2011 - 12 (RE)		2012 - 13	
		#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	300	60.11	315	62.67	330	65.80	330	72.38	345	79.62
2	Agriculture										
3	a) Industry LT	300	2.05	315	3.11	330	4.67	330	4.70	345	5.17
	b) Industry HT	300	40.00	315	53.00	330	71.55	330	72.00	345	79.20
4	Bulk										
5	Commercial	375	13.08	390	15.49	415	18.59	415	19.00	435	20.90
6	Public Lighting			310	6.45	325	7.74	325	8.00	340	8.80
7	Public Water Works	270	43.34	290	46.83	305	51.51	305	52.00	320	57.20
8	Others										
	Total (1 to 8) :-	283	158.58	323	187.55	339	219.86	339	228.08	355	250.89
9	Outside the State	390	79.14	280	132.35	332	52.06	332	57.00	335	175.00
	Grand Total :-		237.72		319.90		271.92		285.08		425.89
10	No. of households Electrified										
	(No. of Consumers)		157031		174647		197573		197573		217323
	Note:- * Please give percentage within brackets										
	# Category wise tariff rate as approved by the State Electricity Regulatory Commission										

Resources Discussions - Annual Plan 2012 - 13

Private Sector Power Projects

Name of the SEB / ED :-

Sl. No.	Item	2009 - 10	2010 - 11	2011-12	2011 -12	2012 -13
		A	A	BE	RE	Annual Plan
1	2	3	4	5	6	7
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 2012 - 13

Efficiency Improvement

Name of the Power Utility SEB / ED :- Department of Power, Arunachal Pradesh

Sl. No.	Item	Unit	2009 - 10	2010 - 11	2011 - 12	2011 - 12	2012 - 13
			A	A	BE	RE	AP
A	i) Total Energy Input (Proforma - 1, item - 8)	MU	488.17	627.19	600.72	630.53	733.90
I	ii) Energy Billed (Proforma - 1, item - 11)	MU	237.72	319.90	271.92	285.08	425.89
	iii) Billing Efficiency (ii)/(i)x100	%	48.70	51.01	45.27	45.21	58.03
	iv) Actual Energy Billed (Proforma - 4)	Rs. Crore	78.14	96.10	90.09	102.94	145.59
	v) Revenue Realised from the sale of Power	Rs. Crore	75.81	90.84	100	115	135
	vi) Collection efficiency (v)/(iv)x100	%	97.01	94.53	111.00	111.71	92.73
	vii) AT & C Losses	%	52.76	51.78	49.76	49.49	46.19
	viii) Reduction in AT & C Losses	%					
B	i) T & D Losses (Proforma - 1, item - 10)	%	51.62%	49.11%	43.95%	42.19%	38.15%
	ii) Reduction in T & D Losses	%					
C	i) Level of cash losses (Net of increase attribute to tariff revision.)	Rs. Crore					
	ii) Reduction of cash	Rs. Crore					
	Losses as compared to previous year	%					