

**GOVERNMENT OF ARUNACHAL PRADESH  
DEPARTMENT OF POWER**

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*Office of the Chief Engineer (Power)  
Western Electrical Zone, Vidyut Bhawan  
Itanagar: 791 111 (A.P.)*

No: CE (P)/WEZ/SLDC/RESOURCE/2013-14/

Dated. Itanagar The \_\_\_\_\_<sup>th</sup> \_\_\_\_\_ 2014

To,  
Sri Surinder Singh Sur, Deputy Advisor (Power)  
Planning Commission (Power & Energy Division)  
Room No. 305, Yojna Bhawan,  
New Delhi - 110001


**Sub: Assessment of Financial Resources for State Electricity Boards/Electricity Deptts/State Power Utilities-Annual Plan (2014-15)**  
**Ref: Your Office Memorandum dated 07/11/2013**

Sir,

Referring to your aforesaid letter, I am enclosing herewith 8 (eight) copies of Resource Assessment for 2014-15. Since our organization is a government department, hence no such annual audited account report is maintained, hence could not be submitted the same.

Encl: As stated above.


Yours faithfully

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

No: CE (P)/WEZ/SLDC/RESOURCE/2013-14/4765-58 Dated. Itanagar The 3<sup>th</sup> Jan 2014

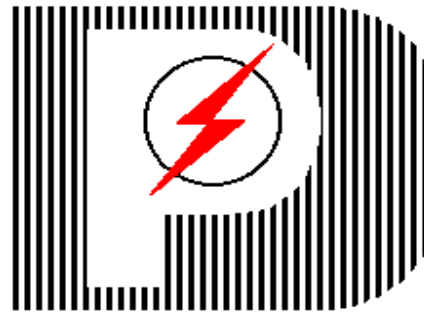
Copy to:

1. The Secretary (Power), Government of AP, for information please.
2. The Chief Engineer (Power), Eastern Electrical Zone, Deptt. of Power, Vidyut Bhawan, Itanagar for information please.
3. The Chief Engineer (Power), Central Electrical Zone, Deptt. of Power, Vidyut Bhawan, Itanagar for information please
- ✓ 4. The Chief Engineer (Power), Panning & Monitoring Zone, Vidyut Bhawan, Itanagar for information and to upload in Department websight.

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

# **RESOURCE ASSESSMENT**

**2014 - 15**



**DEPARTMENT OF POWER**

**ARUNACHAL PRADESH**

Resources Discussions - Annual Plan 2014 - 15								Proforma - I
Summary Statement								
Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh								
Sl. No.	Item	2010 - 11	2011 - 12	2012-13	2013-14		2014 - 15 Annual Plan	
		A	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	43.84	59.22	61.22	61.22	61.22	125.14	
ii)	Strem							
iii)	Gas							
iv)	Diesel	15.98	19.57	19.57	19.57	19.57	19.57	
v)	Others (wind etc.)							
	<b>Total of 1:-</b>	<b>59.82</b>	<b>78.79</b>	<b>80.79</b>	<b>80.79</b>	<b>80.79</b>	<b>144.71</b>	
2	Gross Generation inclusive of auxiliary consumption (MKwh) (Details in Proforma - 3)							
i)	Hydel	57.62	58.46	49.95	49.95	49.95	95.00	
ii)	Stream							
iii)	Gas							
iv)	Diesel	2.11	2.57	1.59	1.59	1.59	1.50	
v)	Others ( Wind etc., free power)	167.98	116.40	147.24	147.24	147.24	175.00	
	<b>Total of 2:-</b>	<b>227.71</b>	<b>177.43</b>	<b>198.78</b>	<b>198.78</b>	<b>198.78</b>	<b>271.50</b>	
3	Overall Plant availability (Thermal %)							

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
Sl. No.	Item	2010 - 11	2011 - 12	2012-13	2013-14		2014 - 15 Annual Plan
		A	A	A	BE	RE	
1	2	3	4	5	6	7	8
4	Overall PLF (Thermal) (%)						
5	Auxiliary consumption (MKwh) with % in brackets below	0.64%	1.58%	0.55%	0.55%	0.55%	1.22%
i)	Hydel	1.35	2.69	0.97	0.97	0.97	3.20
ii)	Steam						
iii)	Gas						
iv)	Diesel	0.115	0.115	0.115	0.115	0.115	0.10
v)	Other (wind etc.)						
	<b>Total of 5 :-</b>	<b>1.465</b>	<b>2.805</b>	<b>1.085</b>	<b>1.085</b>	<b>1.085</b>	<b>3.30</b>
6	<b>Net Generation (2 - 5) (MKwh)</b>	<b>226.25</b>	<b>174.63</b>	<b>197.70</b>	<b>197.70</b>	<b>197.70</b>	<b>268.20</b>
7	Total Power Purchased (MKwh) (Proforma - 6)	<b>400.94</b>	<b>483.81</b>	<b>446.77</b>	<b>594.00</b>	<b>594.00</b>	<b>748.00</b>
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)	<b>627.19</b>	<b>658.44</b>	<b>644.47</b>	<b>791.70</b>	<b>791.70</b>	<b>1016.20</b>
9	T & D Losses (Mkwh)						
i)	Transmission Losses	308.00	348.40	361.34	264.00	266.00	280.00

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
Sl. No.	Item	2010 - 11	2011 - 12	2012-13	2013-14		2014 - 15 Annual Plan
		A	A	A	BE	RE	
1	2	3	4	5	6	7	8
ii)	Distribution Losses						
	<b>Total (i) and (ii) :-</b>	<b>308.00</b>	<b>348.40</b>	<b>361.34</b>	<b>264.00</b>	<b>266.00</b>	<b>280.00</b>
10	% of T & D Losses (9 as of 8)	<b>49.11%</b>	<b>52.91%</b>	<b>56.07%</b>			
11	Energy available for sale (Details in Proforma - 4 (MKwh)	319.90	310.04	283.13	337.26	370.98	408.08
i)	Within State (Proforma - 4)	187.55	244.67	237.60	287.18	315.89	347.48
ii)	Outside State						
iii)	Energy Sale through trading/UI (Proforama - 4)	132.35	65.37	45.53	50.08	55.09	60.60
	<b>Total (i), (ii) and (iii) :-</b>	<b>319.90</b>	<b>310.04</b>	<b>283.13</b>	<b>337.26</b>	<b>370.98</b>	<b>408.08</b>
12	Average rate for Sale (Paise/KWh)						
i)	Within State (Proforma - 4)	323	375	395	415	415	315
ii)	Outside State						
iii)	Energy Sale through trading/UI (Proforama - 4)	280	270	249	260	265	280
13	Revenue Receipts (Rs. Crore)						
a	Revenue from Sale						
i)	Within State (Proforma - 4)	59.04	81.35	79.03	105.36	115.89	131.81
ii)	Outside State						
iii)	Energy Sale through trading/UI (Proforma - 4)	37.06	17.65	11.34	13.02	14.60	16.97

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
Sl. No.	Item	2010 - 11	2011 - 12	2012-13	2013-14		2014 - 15 Annual Plan
		A	A	A	BE	RE	
1	2	3	4	5	6	7	8
	<b>Sub Total of (i), (ii) ,(iii) &amp; (IV) :-</b>	<b>96.10</b>	<b>99.00</b>	<b>90.37</b>	<b>118.38</b>	<b>130.49</b>	<b>148.78</b>
b	Arrears						
c	Subsidy						
	i) Subsidy for Domestic Consumers						
	ii) Subsidy for Agriculture Consumers						
	iii) Other Subsidy if any						
	<b>Sub Total of (i), (ii) &amp; (iii) :-</b>						
d	FSA						
e	Misc. receipts	0.35	0.35	0.40	0.45	0.45	0.50
	<b>Total of - 13 :-</b>	<b>96.45</b>	<b>99.35</b>	<b>90.77</b>	<b>118.83</b>	<b>130.94</b>	<b>149.28</b>
14	Revenue Expenditure (Rs. Crore)						
	i) Fuel (Details in Proforma - 5)	3.33	3.68	4.75	4.90	4.90	5.00
	ii) Power Purchased (Details in Proforma - 6)	112.97	210.64	179.29	216.09	218.09	254.67
	iii) O & M Expenses (Details in Proforma - 7)	36.00	36.00	22.00	27.00	29.00	32.00
	iv) Others (Proforma - 8)	109.45	112.18	139.89	167.23	199.57	233.91
	<b>Total of 14 :-</b>	<b>261.75</b>	<b>362.50</b>	<b>345.93</b>	<b>415.22</b>	<b>451.56</b>	<b>525.58</b>
15	<b>Gross operating Surplus / Deficit (13 - 14)</b>	<b>-165.30</b>	<b>-263.15</b>	<b>-255.16</b>	<b>-296.39</b>	<b>-320.62</b>	<b>-376.30</b>
16	Depreciation due (Rs. Crore)						

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
Sl. No.	Item	2010 - 11	2011 - 12	2012-13	2013-14		2014 - 15 Annual Plan
		A	A	A	BE	RE	
1	2	3	4	5	6	7	8
17	<b>Net operating Surplus after depreciation (15 - 16)</b>	<b>-165.30</b>	<b>-263.15</b>	<b>-255.16</b>	<b>-296.39</b>	<b>-320.62</b>	<b>-376.30</b>
18	Interest payable to Institutional Creditors (Rs. Cr.)						
	i) On Market Loans						
	ii) On LIC Loans						
	iii) On REC Loans (Proforma - 8)	17.00	10.93				
	iv) On PFC Loans						
	v) Other Loans						
	<b>Total of 18 :-</b>	<b>17.00</b>	<b>10.93</b>				
19	Net operating Surplus / Deficit after interest to Institutions. Creditors (17 - 18)	<b>-182.30</b>	<b>-274.08</b>	<b>-255.16</b>	<b>-296.39</b>	<b>-320.62</b>	<b>-376.30</b>
20	Interest due to State Govt. (Rs. Crore)						
21	Commercial Profit (+) / Loss (-) with subsidy (19 - 20) (Rs. Cr.)	<b>-182.30</b>	<b>-274.08</b>	<b>-255.16</b>	<b>-296.39</b>	<b>-320.62</b>	<b>-376.30</b>
22	Commercial Profit (+) / Loss (-) without subsidy (21 - 13(c)) (Rs. Crore)						
23	Interest actually paid to State Govt.						
24	Retained Surplus (+) / Deficit (-) (19 - 23)	<b>-182.30</b>	<b>-274.08</b>	<b>-255.16</b>	<b>-296.39</b>	<b>-320.62</b>	<b>-376.30</b>

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
Sl. No.	Item	2010 - 11	2011 - 12	2012-13	2013-14		2014 - 15 Annual Plan
		A	A	A	BE	RE	
1	2	3	4	5	6	7	8
25	Internal resources (Rs. Crore)						
i)	Retained Revenue Surplus / Deficit	-182.30	-274.08	-255.16	-296.39	-320.62	-376.30
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 (25)</b>	<b>-182.30</b>	<b>-274.08</b>	<b>-255.16</b>	<b>-296.39</b>	<b>-320.62</b>	<b>-376.30</b>
26	Repayment of Loans						
	ii) To LIC						
	iii) To REC	9.84	9.71				
	iii) To PFC						
	iv) To State Govt. if any						
	v) Others						
	<b>Total of 26 :-</b>	<b>9.84</b>	<b>9.71</b>				
27	Net Internal Resources at Current Rate / Tariff (25 - 26) (Rs.Cr.)	<b>-192.14</b>	<b>-283.79</b>	<b>-255.16</b>	<b>-296.39</b>	<b>-320.62</b>	<b>-376.30</b>



Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh								
SI. No.	Item	2010 - 11	2011 - 12	2012-13	2013-14		2014 - 15 Annual Plan	
		A	A	A	BE	RE		
1	2	3	4	5	6	7	8	
28	Other supporting Information							
i)	Net fixed assets in services at the beginning of the year (Rs. Crore) (Proforma - 8)	1265.00	1440.00	1557.80	2566.72	2566.72	2566.72	
ii)	Cumulative depreciation at the beginning of the year (Rs. Crore)	50.00	50.00					
iii)	Cumulative depreciation at the end of the year (Rs. Crore)	50.00	50.00					
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) 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	9800	9922	9926	9926	9946	9946	
a	Technical Staff							
b	Non - Technical Staff							
ix)	No. of employees per million Kwh Sold	30.63	32.00	35.06	29.43	26.81	24.37	
x)	No. of consumers at the end of the year	174647	184403	190723	200259	201559	212743	
xi)	No. of employees per 1000 consumers	56.11	53.81	52.04	49.57	49.35	46.75	
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 Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
SI. No.	Item	2010 - 11	2011 - 12	2012-13	2013-14		2014 - 15 Annual Plan
		A	A	A	BE	RE	
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						
	a) For Technical Staff	67.41	104.53	119.00	124.15	124.15	142.77
	b) 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)	3/26/2010	5/13/2011	5/16/2012	5/30/2013	5/30/2013	5/30/2014
	b) Tariff award by SERC Yes / No	No	No	No	YES	YES	YES
	(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.)	113.25	151.22	170.44	175.00	175.00	180
a	Amount realiable (excludng Bad Debt)						
b	Bad Debt Amount						
c	As % of sales revenue of the year	117%	152%	188%	147%	134%	121%
d	Arrears of the Central Govt. / State Govt. Offices / Undertaking						
e	Arrears from bulk consumers / other consumers						
f	Arrears under dispute in the courts						
xix	Tax on Income, if any						
xx	Loan outstanding at the end of the year (Rs. Cr.)						

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
SI. No.	Item	2010 - 11	2011 - 12	2012-13	2013-14		2014 - 15 Annual Plan
		A	A	A	BE	RE	
1	2	3	4	5	6	7	8
a	State Govt.						
b	Market Loan						
c	LIC Loan						
d	REC Loan	87.57	87.57				
e	PFC Loan						
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						
xxv)	No. of rural household electrified						

Name of the Power Utility / SEB / ED :- Department of Power, Arunachal Pradesh							
SI. No.	Item	2010 - 11	2011 - 12	2012-13	2013-14		2014 - 15 Annual Plan
		A	A	A	BE	RE	
1	2	3	4	5	6	7	8
a	RGGVY	11548	13847				
b	Non-RGGVY						
c	BPL	9205	12135				
d)	No of villages un-electrifies						
e)	No. household un-electrified						
Note:- Wherever actual figures are not availabale, projections may be given.							

## Resources Discussions - Annual Plan 2014 - 15

## Financing of Capital Expenditure

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

Sl. No.	Item	2010 - 11	2011 - 12	2012 - 13	2013 - 14		2014 - 15
		A	A	A	BE	RE	AP
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	154.00	129.51	43.72	103.05	103.05	103.05
ii)	On works in progress						
	Total of (a) & (b) :-	<b>154.00</b>	<b>129.51</b>	<b>43.72</b>	<b>103.05</b>	<b>103.05</b>	<b>103.05</b>
2	Financing of Capital Expenditure						
a	i) State Govt. Grants (APDRP / RGGVY etc.)						
	ii) State Government Loan (R-APDRP)	10	10	50.79	50.79	50.79	50.79
	iii) State Government Grant (R-APDRP)						
	iii) State Government Loan (RGGVY)						
	iv) State Government Grant (RGGVY)						
b	i) State Govt. Loans (Gross)						
	ii) Repayment, if any						
	Net Loans (i - ii)						
c	i) Market borrowings (Gross)						

Sl. No.	Item	2010 - 11	2011 - 12	2012 - 13	2013 - 14		2014 - 15
		A	A	A	BE	RE	AP
1	2	3	4	5	6	7	8
	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)	11.18	2.00	4.10			
	ii) Repayment, if any						
	Net Loans (i - ii)	11.18	2.00	4.10			
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	154.00	129.51	43.72	103.05	103.05	103.05
4	Internal Resources (after providing for repayment of loan)						
5	Total resources for Capital Expenditure (3 + 4)	154.00	129.51	43.72	103.05	103.05	103.05
6	Capital Expenditure						

Sl. No.	Item	2010 - 11	2011 - 12	2012 - 13	2013 - 14		2014 - 15
		A	A	A	BE	RE	AP
1	2	3	4	5	6	7	8
i)	Plan	154.00	129.51	41.81	65.57	65.57	65.57
ii)	Outside Plan	220.00	110.81	43.72	103.05	103.05	103.05
	Total (I + ii) :-	374.00	240.32	85.53			
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 2014 - 15

## Performance of Generating Station

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

Sl. No.	Name of Station	2010 - 11					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	3	4	5	6	7	8	9	10	11	12
1	Hydel	43.84	57.62		60%	17%	59.22	58.46		60%	17%
2	Diesel	15.98	2.11		44%	2%	19.57	2.57		44%	2%
3	Others / Inputs / UI		167.98					116.40			
	<b>Total :-</b>	<b>59.82</b>	<b>227.71</b>				<b>78.79</b>	<b>177.43</b>			



## Resources Discussions - Annual Plan 2014 - 15

## Performance on Generating Station

Name of the Power Utility / SEI

Department of Power, Arunachal Pradesh

Sl. No.	Name of Station	2012 - 13					2013 - 14 (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	61.22	49.95		60%	17%	61.22	49.95		60%	17%
2	Diesel	19.57	1.59		44%	2%	19.57	1.59		44%	2%
3	Others / Inputs / UI		147.24					147.24			
	<b>Total :-</b>	<b>80.79</b>	<b>198.78</b>					<b>198.78</b>			

## Resources Discussions - Annual Plan 2014 - 15

## Performance on Generating Station

Name of the Power Utility / SEI

Department of Power, Arunachal Pradesh

Sl. No.	Name of Station	2013 - 14 (RE)					2014 - 15 AP				
		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
1	Hydel	61.22	49.95		65%	20%	125.14	95.00		65%	20%
2	Diesel	19.57	1.59		50%	2%	19.57	1.50		50%	2%
3	Others / Inputs / UI		147.24					175.00			
	<b>Total :-</b>		<b>198.78</b>					<b>271.50</b>			

## Resources Discussions - Annual Plan 2014- 15

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

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

Sl. No.	Category of Consumers	2010 - 11				2011 - 12				2012 - 13			
		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	62.67	315	19.74	134361	113.97	330	37.61	140557	69.45	346	24.03	144925
2	Agriculture												
3	a) Industry LT	3.11	315	0.98	257	6.27	380	2.38	252	17.14	400	6.86	255
	b) Industry HT	53.00	315	16.70	7	88.57	300	26.57	7	79.01	315	24.89	7
4	Bulk												
5	Commercial	15.49	390	6.04	16467	19.29	410	7.91	17126	21.27	432	8.35	18769
6	Public Lighting	6.45	310	2.00	2077	6.83	415	2.83	1797	5.52	437	1.04	1894
7	Public Water Works	46.83	290	13.58	21477	9.74	415	4.04	24663	4.02	437	0.89	115
8	Others									41.19	315	12.97	24757
	Total (1 to 8) :-	<b>187.55</b>	<b>323</b>	<b>59.04</b>	<b>174646</b>	<b>244.67</b>	<b>375</b>	<b>81.35</b>	<b>184402</b>	<b>237.60</b>	<b>395</b>	<b>79.03</b>	<b>190722</b>
9	Outside the State	132.35	280	37.06	1	65.37	<b>270</b>	17.65	1	45.53	<b>249</b>	11.34	1
10	Grand Total :-	<b>319.90</b>		<b>96.10</b>	<b>174647</b>	<b>310.04</b>		<b>99.00</b>	<b>184403</b>	<b>283.13</b>		<b>90.37</b>	<b>190723</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 2014- 15

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	2013 - 14 (BE)				2013 - 14 (RE)				2014 - 15			
		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	72.92	346	25.23	152171	80.21	346	27.75	152171	88.24	360	31.77	160000
2	Agriculture												
3	a) Industry LT	25.71	422	10.85	268	28.28	422	11.93	268	31.11	440	13.69	275
	b) Industry HT	106.66	346	36.91	7	117.33	346	40.60	7	129.06	360	46.46	10
4	Bulk												
5	Commercial	25.52	455	11.61	19707	28.08	455	12.77	19707	30.88	450	13.90	19900
6	Public Lighting	6.62	460	3.05	1989	7.29	460	3.35	1989	8.02	455	3.65	2400
7	Public Water Works	4.42	460	2.03	121	4.86	460	2.24	121	5.35	455	2.43	133
8	Others	45.31	346	15.6769	25995	49.84	346	17.24	27295	54.82	363.3	19.92	30024
	Total (1 to 8) :-	<b>287.18</b>	<b>415</b>	<b>105.36</b>	<b>200258</b>	<b>315.89</b>	<b>415</b>	<b>115.89</b>	<b>201558</b>	<b>347.48</b>	<b>315</b>	<b>131.81</b>	<b>212742</b>
9	Outside the State	50.08	260	13.02	1	55.09	265	14.60	1	60.60	280	16.97	1
10	Grand Total :-	<b>337.26</b>		<b>118.38</b>	<b>200259</b>	<b>370.98</b>		<b>130.49</b>	<b>201559</b>	<b>408.08</b>		<b>148.78</b>	<b>212743</b>
	* Note :- Number of consume												
	* Please also indicate % of to												

## Resources Discussions - Annual Plan 2014- 15

## 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
<b>For the Year 2010 - 11</b>														
1	Diesel	2.11			740			45000		3.33	3.33			
<b>For the Year 2011 - 12</b>														
2	Diesel	2.57			800			46000		3.68	3.68			
<b>For the Year 2012 - 13</b>														
3	Diesel	1.59			970			49000		4.75	4.75			
<b>For the Year 2013 - 14 (BE)</b>														
4	Diesel	1.50			980			50000		4.90	4.90			
<b>For the Year 2013 - 14 (RE)</b>														
5	Diesel	1.50			980			50000		4.90	4.90			
<b>For the Year 2014- 15</b>														
6	Diesel	1.40			980			51000		5.00	5.00			
<b>Total / Overall Average</b>														
MT = Metric Tonne, ml = Milli Litres, KL = Kilo Litres														



## Resources Discussions - Annual Plan 2013 - 14

## Revenue Expenditure - Cost of Power Purchase

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

Sl. No.	Source	2010 - 11 A			2011 - 12 A			2012 - 13 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.									
a	NEEPCO									
	i) KHEP	47.59	113	5.38	59.69	150	8.97	46.34	188	8.71
	ii) AGBPP	102.39	274	28.05	98.64	369	36.40	88.58	354	31.36
	iii) AGTPP	38.71	256	9.91	39.77	322	12.80	37.79	357	13.49
	iv) DHEP	16.86	284	4.79	14.99	301	4.51	13.56	1197	16.23
	v) RHEP	90.46	165	14.93	62.68	549	34.44	226.53	117	26.50
b	NHPC									
	i) Loktak	29.19	96	2.80	25.13	403	10.13	27.04	261	7.06
c	NTPC									
	i) Frakka	20.16	349	7.04	33.31	422	14.04	36.15	179	6.47
	ii) Kehelgaon	8.68	289	2.51	16.84	378	6.37	11.93	305	3.64
	iii) Thelcher	12.62	242	3.05	19.26	312	6.00	14.17	231	3.27
	iv) PalatanaGBPP (Exp. Dec.12)									
d	Through U.I. (ABT Policy)	34.29	292	10.01	113.50	375	42.53	91.91	199	18.29
	<b>Sub Total :</b>	<b>400.94</b>		<b>88.47</b>	<b>483.81</b>		<b>176.19</b>	<b>594.00</b>		<b>135.03</b>
c	PGCIL									

Sl. No.	Source	2010 - 11 A			2011 - 12 A			2012 - 13 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
	a) Postage Tariff @1.70 cr./Month			24.50						
	b) Point of Connection @2.5 cr. /M					57	34.45			44.26
	<b>Grand Total :</b>			<b>112.97</b>			<b>210.64</b>			<b>179.29</b>
								* RS 210.64 IS BILLED AMOUNT FOR PROCUREMENT OF POWER		
			Note: Point of connection Charges has been implemented from 2011-12 as per CERC Regulation: Sharing of ISTS Charges and Losses Regulation 2010							



## Resources Discussions - Annual Plan 2013 - 14

## Revenue Expenditure - Cost of Power Purchase

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

Sl. No.	Source	2013 - 14 (BE)			2013 - 14 (RE)			2014 - 15 (AP)		
		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	12	13	14	15	16	17	18	19	20
1	Central Sector Power Projects in NE Region under (NHPC / NEEPCO / AGBPP / AGTPP etc.									
a	NEEPCO									
	i) KHEP	46.34	197	9.15	46.34	197	9.15	46	158	7.32
	ii) AGBPP	88.58	372	32.93	88.58	372	32.93	89	390	34.57
	iii) AGTPP	37.79	375	14.17	37.79	375	14.17	38	394	14.87
	iv) DHEP	13.56	1257	17.04	13.56	1257	17.04	14	316	4.28
	v) RHEP	226.53	239	54.14	226.53	239	54.14	227	239	54.14
b	NHPC									
	i) Loktak	27.04	274	7.41	27.04	274	7.41	27	423	11.44
c	NTPC									
	i) Frakka	36.15	188	6.79	36.15	188	6.79	36	197	7.13
	ii) Kehelgaon	11.93	320	3.82	11.93	320	3.82	12	336	4.01
	iii) Thelcher	14.17	243	3.44	14.17	243	3.44	14	255	3.61
	iv) PalatanaGBPP (Exp. Dec.12)							154	267	41.12
d	Through U.I. (ABT Policy)	91.91	209	19.20	91.91	209	19.20	92	219	20.16
	<b>Sub Total :</b>	<b>594.00</b>		<b>168.09</b>	<b>594.00</b>		<b>168.09</b>	<b>748.00</b>		<b>202.67</b>
c	PGCIL									

Sl. No.	Source	2013 - 14 (BE)			2013 - 14 (RE)			2014 - 15 (AP)		
		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	12	13	14	15	16	17	18	19	20
	a) Postage Tariff @1.70 cr./Month									
	b) Point of Connection @2.5 cr. /M			48.00			50.00			52.00
	<b>Grand Total :</b>			<b>216.09</b>			<b>218.09</b>			<b>254.67</b>
		Note: Point of connection Charges has been implemented from 2011-12 as per CERC Regulation: Sharing of ISTS Charges and Losses Regulation 2010								

## Resources Discussions - Annual Plan 2014- 15

## 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	2010-11	2011-12	2012 - 13	2013 - 14	2013 - 14	2014 - 15
		A	A	A	BE	RE	AP
<b>I</b>	<b>Operating and Maintenance</b>						
1	Base level expenditure of the previous year	28.00	36.00	36.00	22.00	27.00	29.00
2	Normal Annual Increase						
3	Increase due to commissioning of new units / lines (to be specified)	8.00		-14.00	5.00	2.00	3.00
4	Other items						
5	<b>Total (Rs. Crore) :-</b>	<b>36.00</b>	<b>36.00</b>	<b>22.00</b>	<b>27.00</b>	<b>29.00</b>	<b>32.00</b>
6	Cost per unit of sale (Paise / Kwh sold) (Proforma - 4)	113	116	78	80	78	78
<b>II</b>	<b>Establishment &amp; Administrative Charges</b>						
1	Base level expenditure of the previous year	106.45	109.45	112.18	139.89	167.23	199.57
2	Normal Annual Increase						
3	Increase due to commissioning of new units / lines (to be specified)	3.00	2.73	5.00	5.00	10.00	12.00
4	Increase due to DA / Pay revision			22.71	22.34	22.34	22.34
5	Other items						
6	<b>Total (Rs. Crore) :-</b>	<b>109.45</b>	<b>112.18</b>	<b>139.89</b>	<b>167.23</b>	<b>199.57</b>	<b>233.91</b>
7	Cost per unit of sale (Paise / Kwh sold) (Proforma - 4)	342	362	494	496	538	573

## Resources Discussions - Annual Plan 2014- 15

## Rate of Return on net fixed Assets

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

Sl. No.	Item	2010 - 11	2011 - 12	2012 - 13	2013 - 14	2013 - 14	2014-15
		A	A	A	BE	RE	AP
1	2	3	4	5	6	7	8
<b>A</b>	<b>Income</b>						
1	Revenue receipts from Electricity Sales	96.10	99.00	90.37	118.38	130.49	148.78
2	Misc. Revenue	0.35	0.35	0.40	0.45	0.45	0.50
3	Subsidy (Agriculture Consumers)						
4	Other Subsidy, if any						
	<b>Total of A :-</b>	<b>96.45</b>	<b>99.35</b>	<b>90.77</b>	<b>118.83</b>	<b>130.94</b>	<b>149.28</b>
<b>B</b>	<b>Expenses</b>						
1	Fuel (Diesel) (Proforma - 5A)	3.33	3.68	4.75	4.90	4.90	5.00
2	Purchase of Power (Proforma - 6)	112.97	210.64	179.29	216.09	218.09	254.67
3	Operation and Maintenance (Proforma - 7)	36.00	36.00	22.00	27.00	29.00	32.00
4	Establishment Expenditure (Proforma - 7)	109.45	112.18	139.89	167.23	199.57	233.91
5	Depreciation						
6	Other Misc. Expenditure						
	<b>Total of B:-</b>	<b>261.75</b>	<b>362.50</b>	<b>345.93</b>	<b>415.22</b>	<b>451.56</b>	<b>525.58</b>
<b>C</b>	<b>Operating Income (A - B)</b>	<b>-165.30</b>	<b>-263.15</b>	<b>-255.16</b>	<b>-296.39</b>	<b>-320.62</b>	<b>-376.30</b>
<b>D</b>	<b>Interest Due</b>	17.00	10.93				
	a) To financial Institution						

SI. No.	Item	2010 - 11	2011 - 12	2012 - 13	2013 - 14	2013 - 14	2014-15
		A	A	A	BE	RE	AP
1	2	3	4	5	6	7	8
	b) To State Govt.						
	<b>Total of D :-</b>	<b>17.00</b>	<b>10.93</b>				
<b>E</b>	Net Surplus / Deficit (C - D)	<b>-182.30</b>	<b>-274.08</b>	<b>-255.16</b>	<b>-296.39</b>	<b>-320.62</b>	<b>-376.30</b>
<b>F</b>	Value of net fixed assets employed at the beginning of the year	1265.00	1440.00	1557.80	2566.72	2566.72	2566.72
<b>G</b>	Rate of return %	37%	27%	26%	29%	29%	28%
<b>H</b>	Increase in average tariff Required (Paise/Kwh) to obtain						
	a) % ROR	81.82%	116.92%	122.18%	123.12%	121.72%	128.79%
	b) 3 % ROR	84.28%	120.43%	125.84%	126.81%	125.37%	132.66%

Proforma - 9

## Resources Discussions - Annual Plan 2014- 15

## Outstanding dues to the Central Undertaking and Others

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

(Rs in Crore)

Sl. No.	Name of the Undertakings	Dues upto 31.03.2013	Dues from 01.04.2013 to 31.03.2014	Outstanding dues as on (or which ever is the latest figures available)
1	2	3	4	5
1	Central Undertakings			
i)	NHPC	-		
ii)	NEEPCO	12.98		
iii)	PGCIL	0.11		
	<b>Sub Total of 1 :-</b>	<b>13.09</b>		
2	Others	3.20		
3	<b>Total of (1 + 2)</b>	<b>16.29</b>		

## Resources Discussions - Annual Plan 2014- 15

## Electricity Consumption\*

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

Sl. No.	Item	2010 - 11		2011 - 12		2012 - 13		2013 - 14(BE)		2013 - 14 (RE)		2014 - 15	
		#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	315	62.67	330	113.97	346	69.45	346	72.92	346	80.21	360	88.24
2	Agriculture												
3	a) Industry LT	315	3.11	380	6.27	400	17.14	422	25.71	422	28.28	440	31.11
	b) Industry HT	315	53.00	300	88.57	315	79.01	346	106.66	346	117.33	360	129.06
4	Bulk												
5	Commercial	390	15.49	410	19.29	432	21.27	455	25.52	455	28.08	450	30.88
6	Public Lighting	310	6.45	415	6.83	437	5.52	460	6.62	460	7.29	455	8.02
7	Public Water Works	290	46.83	415	9.74	437	4.02	460	4.42	460	4.86	455	5.35
8	Others												
	<b>Total (1 to 8) :-</b>	<b>323</b>	<b>187.55</b>	<b>375</b>	<b>244.67</b>	<b>394.50</b>	<b>237.60</b>	<b>415</b>	<b>287.18</b>	<b>415</b>	<b>315.89</b>	<b>315</b>	<b>347.48</b>
9	Outside the State	<b>280</b>	<b>132.35</b>	<b>270</b>	<b>65.37</b>	<b>249.00</b>	<b>45.53</b>	<b>260</b>	<b>50.08</b>	<b>265</b>	<b>55.09</b>	<b>280</b>	<b>60.60</b>
	<b>Grand Total :-</b>		<b>319.90</b>		<b>310.04</b>		<b>283.13</b>		<b>337.26</b>		<b>370.98</b>		<b>408.08</b>
10	No. of households Electrified												
	(No. of Consumers)		174647		184403		190723		200259		201559		212743
	Note:- * Please give percentage within brackets												
	# Category wise tariff rate as approved by the State Electricity Regulatory Commission												





## Resources Discussions - Annual Plan 2014- 15

## Efficiency Improvement

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

Sl. No.	Item	Unit	2010 - 11	2011 - 12	2012 - 13	2013 - 14	2013 - 14	2014 - 15
			A	A	A	BE	RE	AP
A	i) Total Energy Input (Proforma - 1, item - 8)	MU	627.19	658.44	644.47	791.70	791.70	1016.20
I	ii) Energy Billed (Proforma - 1, item - 11)	MU	319.90	310.04	283.13	337.26	370.98	408.08
	iii) Billing Efficiency (ii)/(i)x100	%	51.01	47.09	43.93	42.60	46.86	40.16
	iv) Actual Energy Billed (Proforma - 4)	Rs. Crore	96.10	99.00	90.37	118.38	130.49	148.78
	v) Revenue Realised from the sale of Power	Rs. Crore	75.81	90.84	84.81	100	115	135
	vi) Collection efficiency (v)/(iv)x100	%	78.89	91.76	93.85	84.47	88.13	90.74
	vii) AT & C Losses	%	59.76	56.79	58.77	64.01	58.70	63.56
	viii) Reduction in AT & C Losses	%						
B	i) T & D Losses (Proforma - 1, item - 10)	%	49.11%	52.91%	56.07%			
	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	%						