

Annual Report (2013-14)

on
The Working
of
State Power Utilities & Electricity Departments



(Power & Energy Division)
PLANNING COMMISSION
GOVERNMENT OF INDIA

FEBURARY, 2014

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**(Power & Energy Division)
Planning Commission
Government of India**

February, 2014

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एम. एस. आहलुवालिया
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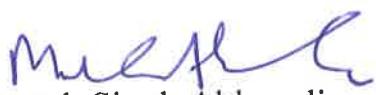


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FOREWORD

I am happy to observe that the Power and Energy Division has compiled the next edition of the booklet entitled "The Working of State Power Utilities and Electricity Departments". Earlier editions of the booklet have been well received since it was able to provide policy makers an in-depth statistical document and an analysis of the state of affairs in the power sector. It is hoped that this report will also provide valuable updated information.

The power sector, as we all know, is at a cross roads once again, with a large number of distribution utilities facing a difficult financial situation. I hope this booklet will help all stakeholders to take a holistic view of the situation and come up with remedial measures.



Montek Singh Ahluwalia



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PREFACE

18th February, 2014

Despite various measures taken by the Government, including enactment of the Electricity Act, 2003 and its subsequent amendments, the Indian Power Sector is going through a crisis today. The three main issues plaguing the sector are shortage of fuel (both coal and gas), a non-remunerative retail tariff regime and high AT&C losses. Problems of fuel supply can be tackled in the medium term since it takes years to develop a mine or a gas field after obtaining all the statutory clearances. On the other hand, ensuring a remunerative tariff structure is easier to handle but one has to depend on the regulatory framework to take remedial measures. The regulator has to draw a fine balance keeping the interests of all stakeholders in view.

Our commercial loss reduction achievement is rather slow despite Plan schemes such as the R-APDRP. Our evacuation system needs considerable strengthening, especially keeping in mind that we are planning for an incremental 30,000 MW capacity through renewables during the Twelfth Five Year Plan period. We also need to accelerate our rural electrification programme so that all our villages having a population of over 100 inhabitants are electrified by the end of Twelfth Plan etc.

In order to draft policies which would enable us to move forward on a variety of these issues, we need a compendium, which would tell us what is happening in the Power Sector with full facts and figures. No policy can be drafted in vacuum and it is the endeavour of this book entitled 'The Working of State Power Utilities and Electricity Departments' to help policy makers to make informed decisions.

We feel encouraged by the response that we got from our first publication, hence, the Planning Commission (Power and Energy Division) has come out with the Second Issue. I would welcome any suggestion(s) that may have for its improvement.

B.K. Chaturvedi,
(B.K. Chaturvedi)



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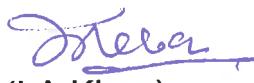
ACKNOWLEDGEMENT

In continuation to the earlier report entitled "**Annual Report 2011-12 on the Working of State Power Utilities & Electricity Departments**" brought out by the Power & Energy Division, the updated edition of the Annual Report 2013-14 has been brought out by Power & Energy Division. The last report was overwhelmed by many stakeholders.

The data contained in this report has been obtained from the state power utilities and the electricity departments of various states/union territories. The information provided in this report is not always based on audited figures. In view of this, it is likely that some figures in this report would undergo a change once the audited figures are received in the Planning commission.

It has been our endeavor to make this report a useful document for policy planners and also researcher. The officers who have been vigorously involved in preparation of this report include Shri R.K. Kaul, Consultant (Power) and Shri Vinay Kumar, Young Professional (Power). Contributions were also made by Shri Surinder Singh Sur, Joint Adviser, Shri Manoj Upadhyay, SRO and Mrs Poonam Kapoor, EO.

Any suggestion for improvement in the content and presentation of the Report would be welcome.


(I.A.Khan)
Adviser (Energy),

New Delhi
January, 2014

Chapter 1

An Overview

1.1 Power is considered to be a core industry as it facilitates development across various sectors of the Indian economy, such as manufacturing, agriculture, commercial enterprises and railways. Keeping this into account, Govt. of India right from the inception of the first five year plan period has given special emphasis for its development. In the pre-independence era, the power supply was mainly in the hands of Private Sector that too restricted to the urban area. After independence, the Electricity (supply) Act, 1948, was enacted to facilitate faster power sector development and State Electricity Boards (SEBs) were set up in all the states in bringing out systematic growth of power supply industry all over the country. A number of multipurpose hydro projects and installation of thermal and nuclear stations were taken up and power generation activity started increasing significantly. Intervention of the Central Government in development of generation led to the formation of National Thermal Power Corporation (NTPC) and National Hydro Power Corporation (NHPC), which gave a fillip to the growth of power sector in the country. The setting up of Nuclear Power Corporation and Power Grid Corporation of India gave further boost to the power development programme.

Installed Electricity Generating Capacity

1.2. The power generation profile in the country had a massive growth from 1713 MW in December, 1950 in utilities to 228,721.7 MW at the end of September, 2013 comprising of thermal 155,969 MW (68.2%), hydro 39,788 MW (17.4%), Nuclear 4,780 MW (2.1%) and New Renewables 28,184.4 MW (12.3%). The total capacity of captive power plants in industries having demand of 1 MW & above, at the end of the Eleventh Plan period has grown to 39,375

MW out of which the contribution of hydro was 48 MW (0.1%), steam 22,615 MW(57.4%), diesel 9955 MW(25.3%), gas 5885 MW(14.9%) and wind 872 MW(2.2%).

1.3 While the Eleventh Five Year Plan (2007-12) envisaged a capacity addition of 78,000 MW, actual achievement had been 54,964 MW. The capacity addition achieved during the Eleventh Plan period is about 70% of the target but still more than 2.5 times of capacity addition achieved in 9th or 10th plans. Twelfth Plan period envisages to add 88,537 MW. It has already added 20622.8 MW in the first year (2012-13) of the Twelfth Plan and a capacity of 18432 MW is planned to be added in 2013-14. The cumulative capacity addition as on 31 January, 2014 in the first two years of the Twelfth Plan period was 25,421 MW.

Gross Electricity Generation

1.4 The All India gross electricity generation from utilities grew manifold from a level of 5.11 Bu in 1950 to 963.27 Bu (excluding generation from captive plants) during the year 2012-13 constituting 118.51 Bu hydro, 760.68 Bu thermal, 32.86 Bu nuclear and 51.22 Bu renewable sources. Electricity generated from the captive electricity generation plants during the year 2011-12 was 134.38 Bu, constituting 0.13 Bu from hydro, 104.86 Bu from steam, 6.24 Bu from diesel, 21.97 Bu from gas turbine and 1.18 Bu from wind.

Electricity Consumption

1.5 Electricity consumption also grew manifold from a level of 5.61 BU in, 1950 to 785.20 Bu during the year 2011-12. The industrial, domestic and agricultural categories are the major consumers of electricity, constituting about

44.87%, 21.79% and 17.95% respectively of the total consumption including non-utilities.

Power Supply Position

1.6 Though electricity generation in India registered tremendous growth in the past six decades, country continues to face peak and energy shortages. Table 1.1 below shows how the peak and energy shortfalls have narrowed down in 2013-14 as compared to the power supply position in 2001-02.

Table 1.1
Power Supply Position

Period	ENERGY (BU)			PEAK (MW)		
	Requirement	Availability	Shortage (%)	Demand	Met	Shorts (%)
2001-02 (end of the 9th Plan)	522.54	483.35	35.19 (7.5)	78441	69189	9252 (11.8)
2006-07 (end of the 10th Plan)	690.59	624.50	66.09 (9.6)	100715	86818	13897 (13.8)
20011-12 (end of the 11th Plan)	937. 20	857.89	79.31 (8.5)	130006	116191	13815 (10.6)
2012-13	998.11	911.21	86.90 (8.7)	135453	123294	12189 (9.0)
2013-14 (April-September)	512.14	487.72	24.42 (4.8)	135561	129269	6292 (4.6)
2012-13 (April-September)	499.73	457.32	42.41 (8.5%)	135.45	123.29	12.16 (9.0%)

Status of Reforms and Restructuring

1.7 The Power sector reforms were initiated in 1991 to encourage competition and seek private participation in each sub element of the sector, namely generation, transmission and distribution. Pursuant to this, State Electricity Boards were restructured and unbundled into separate companies for generation, transmission and distribution segments. Independent regulatory commissions at the Central and state level were set up. The status of power sector reforms is as under and detailed status of Reforms & Restructuring as on 1st August, 2013 is given at Annex 1.7.

1.8 The enactment of Electricity Act 2003 heralded a new era for the power sector development in India. The Act brought together laws on generation, transmission, distribution, trading and use of electricity, liberalising generation, transmission and distribution and providing for penal action for theft of power or default on payment for power consumed. It also facilitated further reform measures to strengthen the sector. Significant GoI / regulatory initiatives in recent times have been those pertaining to Mega / Ultra Mega Power Generation projects revised tariff regulations for existing central government projects, competitive bidding for all future power generation projects, tariff norms for renewable energy / introduction of Renewable Energy Certificates, new transmission pricing grid code, power market regulations, Re – structured Accelerated Power Development Reform Programme (RAPDRP), National Electricity Fund, etc.

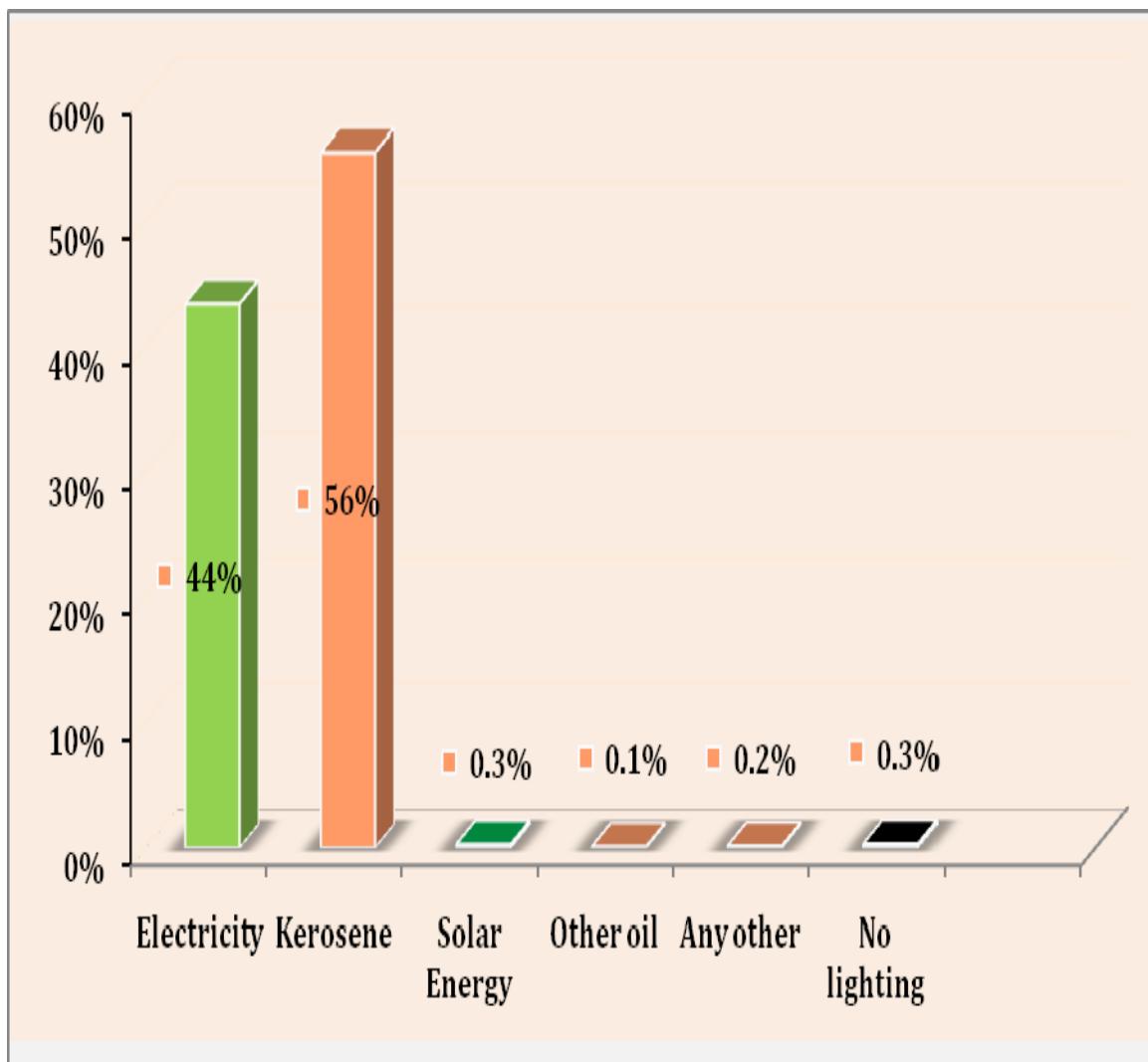
Rural Electrification - Rajiv Gandhi Vidhyutikaran Yojana (RGGVY)

1.9 Govt. of India launched RGGVY scheme for enhancing access to electricity, particularly for rural households which facilitates creation of productive employment opportunities including small and medium industries, khadi and village industries, cold chains, health care, and education and information technology. RGGVY was started in April 2005 by merging all on-going schemes at that time aimed at providing access to electricity to rural households. The schemes merged to launch RGGVY were given below:

- Minimum Needs Program : 1974-79
- Kutir Jyoti Scheme *Initiation* : 1988-89
- Pradhan Mantri Gramodaya Yojana (PMGY) : 2001-02
- Accelerated Rural Electrification Programme (AREP) : 2003-04
- Accelerated Electrification of One lakh villages and One Crore Households : 2004-05

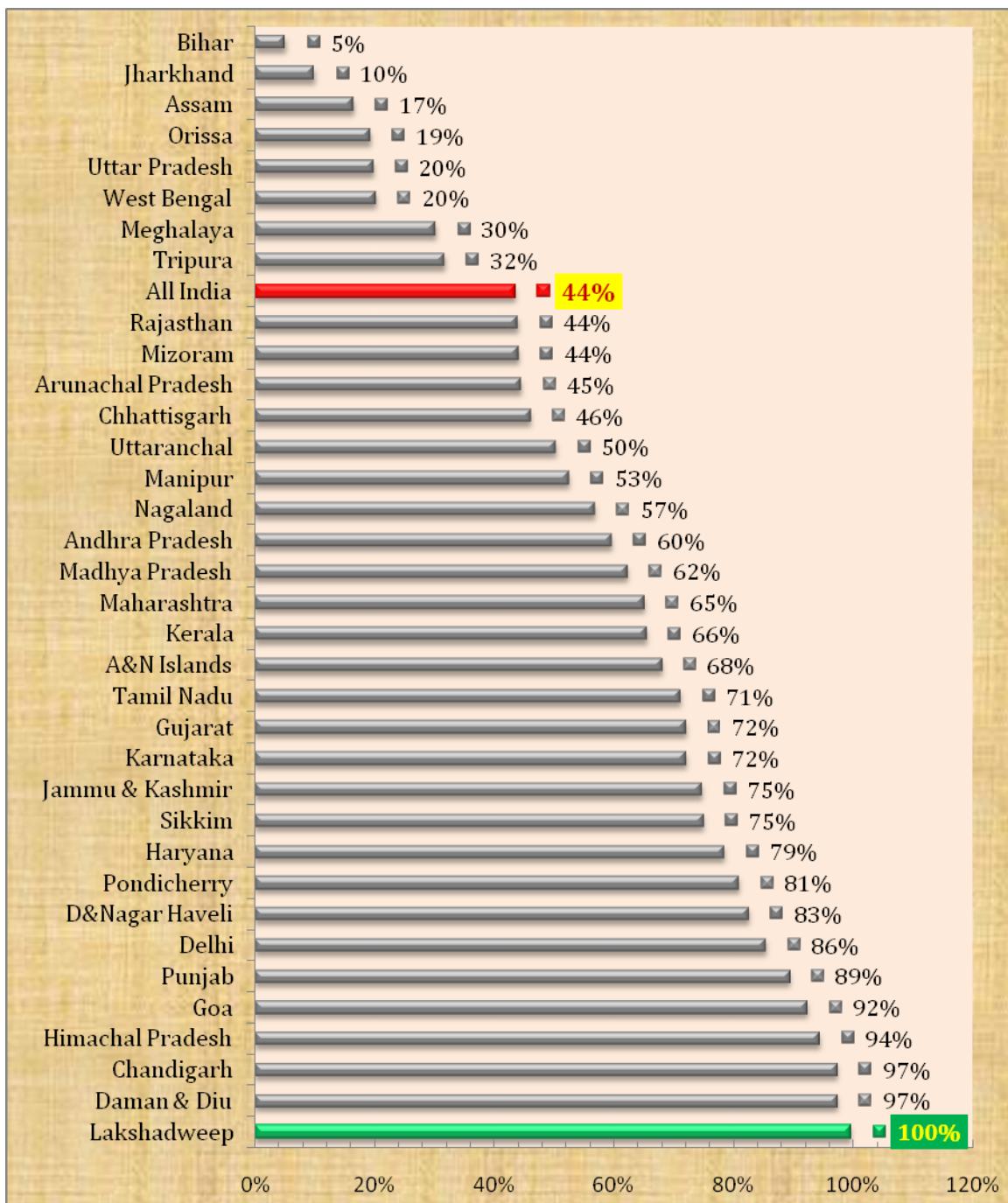
1.10 The Census 2001 has revealed that only 44% of rural households had access to electricity. Figure 1.1 below shows break-up of various sources of energy used for lighting purposes by the rural households.

Figure 1.1
(Access to Energy for Rural Households in 2001)



1.11 Figure 1.2, below shows state wise level of access to electricity for rural households in India as per the Census 2001. Number of consumers, state-wise and source wise lighting in rural & urban areas given in Annexure 1.1, 1.2 and 1.3.

Figure 1.2
Census 2001- States Rural Household (%)



1.12 As shown above, household access was around 44% as per the Census 2001. Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) launched in April, 2005 was aimed at creating rural electrification infrastructure so as to electrify all villages and habitations, enhance access to electricity to all rural households and give electricity connections free of charge to families living below the poverty line (BPL). The scheme provides 90 per cent capital subsidy for the projects from the Central Government and the balance 10 per cent of the project cost is to be contributed by the states through own resources/loan from financial institutions. This was to be attained through development of a Rural Electricity Distribution Backbone with 33/11 KV or 66/11 KV Sub stations at Block level, village electrification infrastructure with provision of appropriate capacity transformers and decentralised distributed generation (DDG) where grid supply is either not feasible or not cost effective.

1.13 The progress achieved in the past seven years shows that the country is able to realise the stated objective of RGGVY programme significantly. A broad cumulative status as on 15th October, 2013 is given in Table 1.2.

Table 1.2
Cumulative status of RGGVY

No. of Projects Sanctioned	Cost of Projects (Rs crore)	Subsidy Released (Rs crore)	No. of Villages to be Electrified (Nos)		No. of Free Connections to be Provided (in lakh)	
			Target	Achieved	Target	Achieved
648	43881.18	27634.09	1,12,980	107649	27676857	21290708
				95%		77%

1.14 The year-wise achievement during the Tenth and Eleventh Plan period on the implementation of RGGVY is given in Table 1.3.

Table 1.3
Year-wise progress during 10th Plan and 11th Plan period

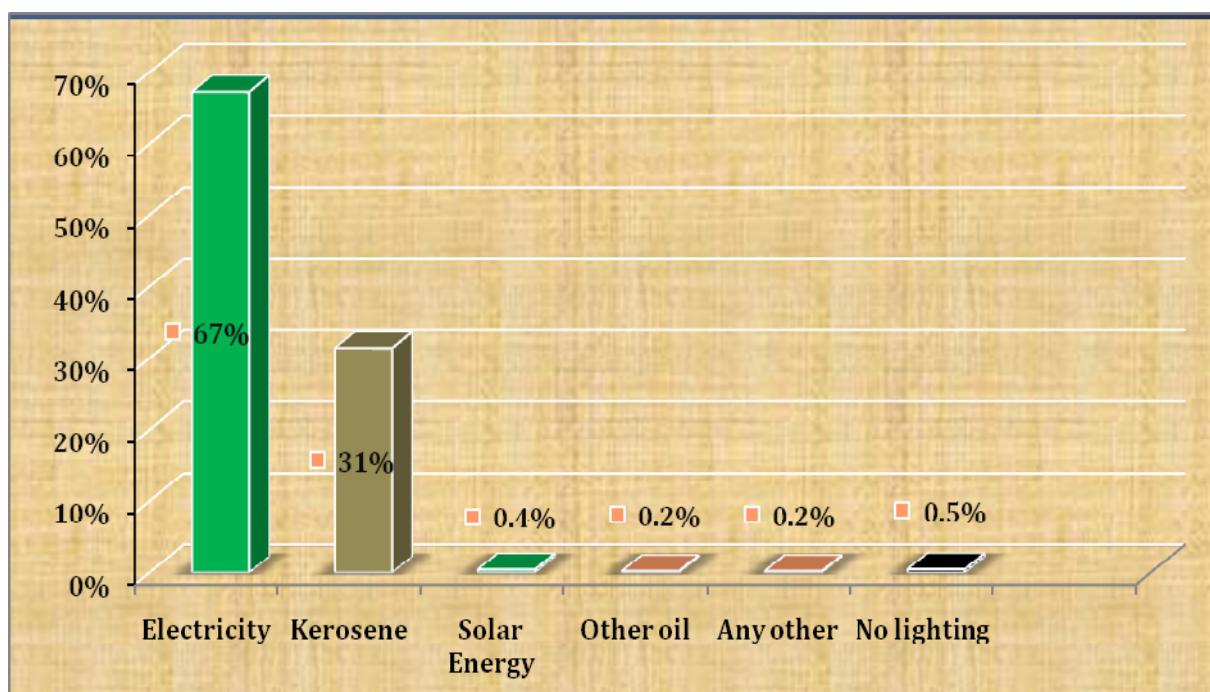
10th Plan						
Year	Un-electrified Villages (No.)			BPL Households (lakh)		
	Target	Achieved	Achieved %	Target	Achieved	Achieved %
2005–06	10,000	9,819	98.2	3	0.17	5.0
2006–07	40,000	28,706	71.0	40	6.55	16.4
Total	50,000	38,525	77.1	43	6.72	15.6
11th Plan						
2007–08	10,500	9,301	88.6	40	16.21	40.0
2008–09	19,000	12,056	63.5	50	30.85	61.7
2009–10	17,500	18,374	105.0	47	47.18	100.4
2010–11	17,500	18,306	104.6	47	58.84	125.1
2011–12	14,500	7,934	54.7	52	34.45	66.2
Total	79,000	65,971	83.5	236	187.53	79.5
Cumulative (03/2012)	112,795*	104,496	92.6	275*	194.25	70.6

* Revised coverage including Phase II projects.

1.14 As on 31 March 2012, out of the total of 1, 12,795 villages to be covered under RGGVY (including Phase II projects), works in 1,04,496 villages have been completed and only 8,299 un-electrified villages remain; 6,000 villages are targeted to be electrified during 2012–13 and 3,300 villages during 2013-14. In addition, about 10,000 remote villages are to be covered by the MNRE through non-conventional sources. Overall, by the end of Eleventh Plan, out of the total 5, 93,732 villages in India (Census 2001), 5, 56,633 villages (93.8 per cent) have been electrified as per CEA report.

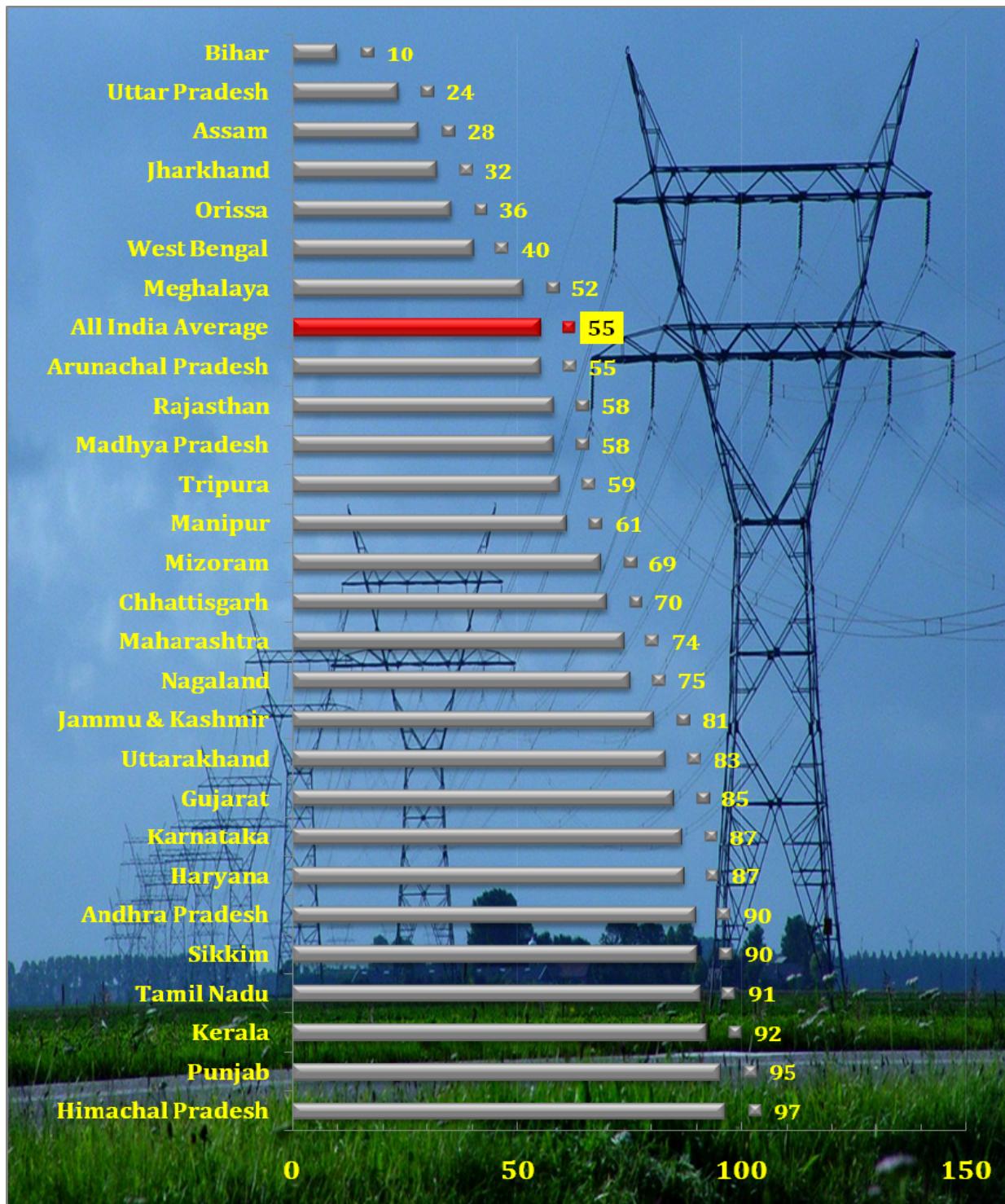
1.15 Improvement recorded in rural household electrification level as per Census 2011 shows the successful implementation of RGGVY across rural India. It shows that access to electricity in the rural households has increased from 44% in 2001 to 67% in 2011 and the use of kerosene in source of lighting has significantly reduced from 56% to 31%. This may be seen in Figure 1.3

Figure 1.3
(Comparison of Rural Electrification with other sources)



1.16 The electrification status as per census 2011 in Rural Household by electricity is given in Figure 1.4, further the state wise and source wise lighting in rural & urban areas given in Annexure 1.4, 1.5 and 1.6.

Figure 1.4
Census 2011- State Rural Household (%)



1.17 Almost all the identified villages have been electrified as per the RGGVY targets. The next step is to electrify the smaller habitations and provide access to left over households in such habitations. Government had taken a decision to continue the RGGVY scheme during the 12th Plan period to complete the electrification of left over habitations and households. The detail of the projects sanctioned during the ensuing plan as on 15th October, 2013 is given in Table 1.4.

Table 1.4
Details of Projects sanctioned under XII plan

No. of projects	UE/DE villages covered (In nos.)	PE villages covered (In nos.)	UE Habitations covered (In nos.)	PE Habitations covered (In nos.)	BPL Households (In nos.)	Project cost (Rs. Crores)
39	93	30119	18621	51063	859082	2718.24

1.18 The achievement during the Twelfth Plan period on the implementation of RGGVY as on 15th October 2013 is given in Table 1.5.

Table 1.5
Achievement during 12th Plan period (as on 15th October, 2013)

	Un-electrified Villages	BPL Households
Target	3300	2,000,000
Achievement (15-10-2013)	1314	846,884

Restructured Accelerated Power Development & Reform Programme (R-APDRP)

1.19 Accelerated Power Development Programme (APDP) introduced in 2000-01 was aimed at improving the financial performance of distribution utilities by extending additional central plan assistance for system improvement and reduction of distribution losses. Later in March, 2002 the APDP scheme was rechristened as APDRP with urban focus & introduction of reform element. APDRP scheme targeted reducing AT&C losses by 15%. The scheme covered incentive mechanism to incentivize utilities achieving cash loss reduction. This programme could not achieve the desired results in an effective manner.

1.20 During the 11th Plan recognizing the shortcomings in APDRP scheme, the scheme was redesigned the scheme to Restructured APDRP (R-APDRP). It approved as a Central scheme in 2008 with a total outlay of Rs.51, 577 Crore to address the challenges of distribution losses, energy efficiency and energy accounting as a priority.

- Unlike the previous scheme, the restructured version covers the overall performance of the states as against a particular area.
- The coverage of the programme now is for the urban areas – towns and cities with a population of more than 30,000 (10,000 for special category states). Private distribution utilities are not covered under the programme.
- In addition, certain high-load density rural areas with significant loads, works of separation of agricultural feeders from domestic and industrial ones, and of high voltage distribution system (11kV) are also be taken up under the Re-structured APDRP.
- The ‘reforms’ in R-APDRP are centred around improving accountability and revenue realization in the form of increased metering, conversion of

un-metered connections to metered connections, addition of fresh connections, higher billing and collection efficiency. Technical, commercial, financial, IT and organizational level interventions are proposed as part of a multi-level intervention strategy.

- The establishment of reliable and automated systems for sustained collection of accurate base line data and the adoption of IT in the areas of energy accounting are necessary preconditions before sanctioning any regular distribution strengthening project under the R-APDRP. This will enable objective evaluation of the performance of utilities before and after implementation of the program.

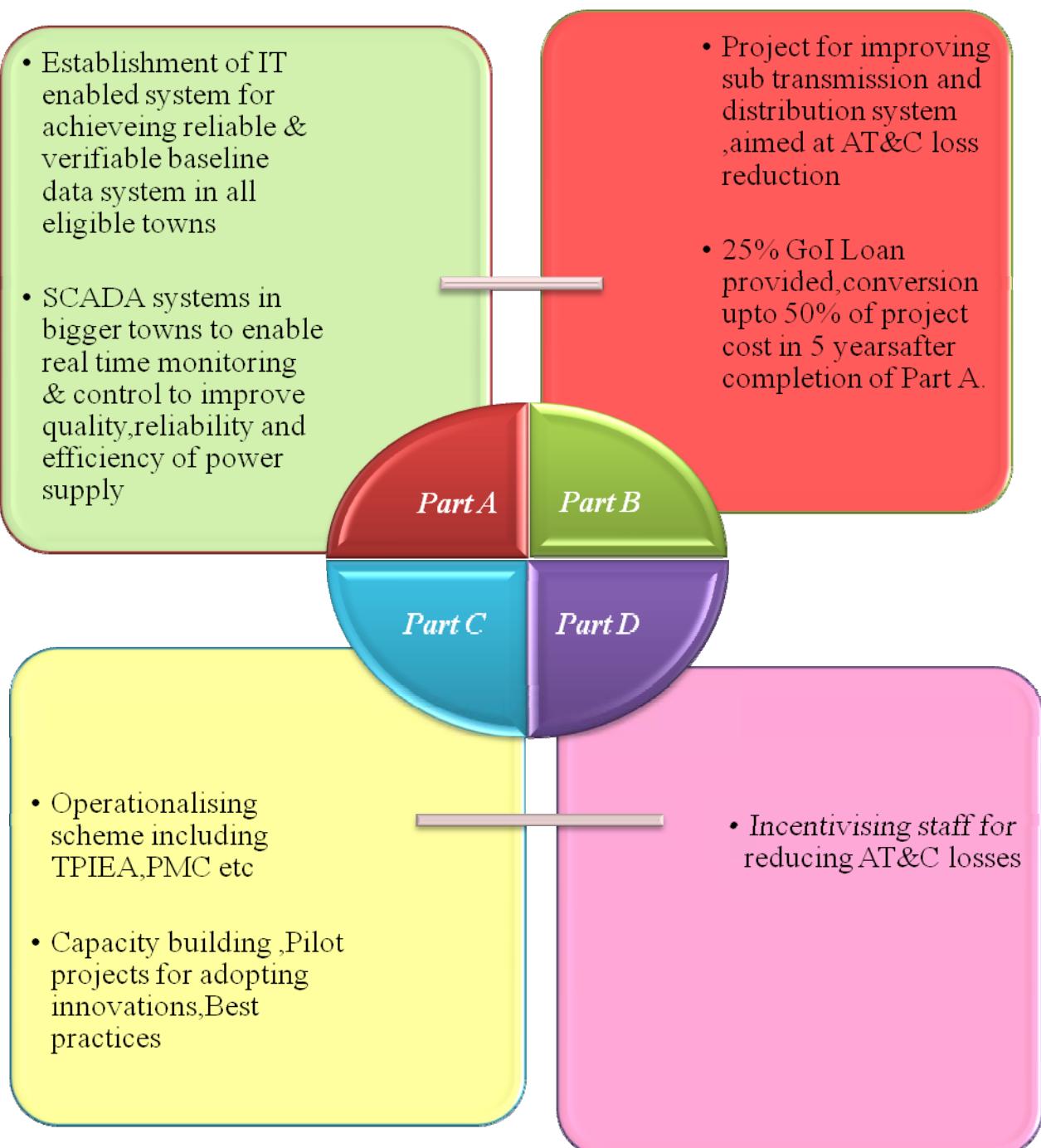
1.21 Projects under Restructured-APDRP scheme are taken up under Part A and Part B.

Part-A focuses on establishing reliable and automated system for sustained collection of accurate baseline data thereby adopting IT in the areas of energy accounting, auditing and consumer based services.

Part-B includes projects to strengthen the distribution system, including activities like automation and validation of base line system, project evaluations, capacity building and development of franchisees.

1.25 The components of Re-structured APDRP are shown in Figure 1.4:

Figure 1.4



1.22 The implementation progress on R-APDRP on the various parameters as on 31st October, 2013 is given in Table 1.6.

Table 1.6
R-APDRP – Implementation Progress

Sl. No.	Item	Maximum till date	Achievement till	Remarks
			25-09-2013	
1.	Sanction (Rs. Crore)	33832	34984	Net of Cancellation of Rs. 1311 Crore for AT&C <15% Addl. Schemes worth Rs. 2205 crore proposed.
2.	Disbursements (Rs. Crore)		7017	
3.	Data Centre / Data Recovery	20	16	Balance in Haryana, Kerala, Bihar & Goa.
4.	Part-A Completion – Go Live (Towns)	1400	392	AP-50, Chttg-4, Guj-68, HP-11, Kar-46, Mah-60, MP-45, Rajn-3, UP-26, Uttkh-8, WB-61
5.	Part-B Award (Towns)	1250	919	Balance: AP-30, Bihar-64, Haryana-33, J&K-30, UP-38, Raj-10, Assam-26, Manipur-13, Mega-9, Tripura-8
6.	SCADA Award (Towns)	70	59	Technical Bids opened in 2 State (4 Towns)-Ukh (1), Punjab (3) Re-bid likely. Addl- Puducherry (1) RfP Ready, UP (1), Haryana (1)
7.	Ring Fencing (Towns)	1400	1369	Balance: Ar Pr-10, Naga-7, J&K-14
8.	Verification of baseline data by TPIEA (Towns)	1400	1128	Balance: Bihar-66, J&K-30, Jhar-30, Maha-55, Ukh-19, Entire NE (except Assam & Tripura)

Scheme for Financial Restructuring of State Distribution Companies (DISCOMs)

1.23 The distribution utilities continued to face financial constraints because of the reluctance of state governments to revise tariffs periodically and also because of supply of electricity to certain category of consumers at free of charge or well below the cost of supply. As a result of this, distribution utilities were forced to borrow funds from the financial institutions in the past few years on short term basis to manage their operations. The level of such short term borrowings as well as the payment to power generation companies accumulated to un-sustainable level and financial institutions refused to further continue lending the distribution utilities. Considering the gravity of the situation, a scheme for Financial restructuring of State Owned DISCOMs has been formulated and approved by the Government of India on 24th September, 2012 to enable the turnaround of the State DISCOMs and ensure their long term viability. The scheme contains measures to be taken by the State DISCOMs and State Government for achieving financial turnaround by restructuring their short term debt with support through a Transitional Finance Mechanism by Central Government. The scheme has been notified by Ministry of Power on 5th October, 2012.

1.24 Salient features of the Scheme are given below:

- a. (i).** 50% of the outstanding short term liabilities (STL) as of March 31, 2012 to be taken over by State Government. This shall be first converted into bonds to be issued by Discoms to participating lenders, duly backed by the State Government guarantee. The State Government will take over the liability during next 2-5 years by issuance of special securities in favors of participating lenders in phased manner keeping in view the fiscal space available till the entire loan (50% of STL) is taken over by

the State Government. The door to door maturity will not be more than 15 years with a moratorium of 3-5 years on the principal repayment.

(ii). The State Govt. would provide full support to the Discoms for repayment of interest and principal for this portion.

(iii). State Govt. would ensure that issuance of Special securities is within the targets prescribed in FRBM Acts of respective States and even if fiscal space including Debt-GSDP ratio under the FRBM targets is available, State need to remain within their respective Net Borrowing Ceiling (of each of the relevant fiscal) fixed annually as per the formula prescribed by the Thirteenth Finance Commission.

- b.** Balance 50% of the STL will be rescheduled by lenders and serviced by the DISCOMs with moratorium of 3 year in principal. Repayment of Principal and Interest be fully secured by the State Govt. Guarantee. The best possible terms are to be extended for the rescheduled loans to improve viability of Discoms operations.
- c.** The restructuring/rescheduling of loan are to be accompanied by concrete and measurable action by the Discoms / States to improve the operational performance of the distribution utilities. States to improve the operational performance of the distribution utilities. State Govt. / Discoms have to commit themselves and carry out certain mandatory and recommendatory conditions as contained in the Scheme.
- d.** A Transitional Finance Mechanism (TFM) by the Central Govt. in support of the restructuring effort is available, subject to fulfillment of mandatory conditions given in the scheme. The TFM has the following features:-

- i. For providing liquidity support by way of a grant equal to the value of the additional energy saved by way of accelerated AT&C loss reduction beyond the loss trajectory specified under R-APDRP (Restructured Accelerated Power Development and Reform Programme).
 - The eligibility of grant would arise only if the gap between ARR and ACS for the year has been reduced by at least 25% during the year judged against the benchmark for the year 2010-11.
 - This scheme would be available only for three years beginning 2012-13.
 - ii. Incentive by way of capital reimbursement support of 25% of principal repayment by the State Govt. on the liability taken over by the State Govt. under the scheme. The amount to be reimbursed only in case the State Govt. take-over the entire 50% of the short term liabilities (corresponding to the accumulated losses) outstanding as on 31.3.2012.
- e. For financing of operational losses and interest for the first 3 years on a diminishing scale, a separate arrangement would be worked out after due consultation to be held by Secretary, DFS with representatives of the MoP and the concerned States. Remaining portion of the operating losses will have to be financed by the respective State Govt.

Progress of Implementation

1.25 Out of the seven focus States (Andhra Pradesh, Haryana, Madhya Pradesh, Punjab, Rajasthan, Tamil Nadu & Uttar Pradesh), five States (Andhra Pradesh, Haryana, Rajasthan, Tamil Nadu & Uttar Pradesh) gave consent to participate in the scheme. Madhya Pradesh did not participate in the scheme as no short term loans were outstanding towards Banks and Financial Institutions. Punjab Government expressed its inability to join the scheme without relaxation in the essential conditions of the scheme. The scheme has been accepted and is being implemented in four focus States, namely, Tamil Nadu, Uttar Pradesh, Rajasthan and Haryana. In addition to the focus States, the Scheme is also being implemented in Himachal Pradesh, Andhra Pradesh State, which was earlier part of the seven States and could not join the scheme due to some technical problem. The States of Bihar and Jharkhand were not part of the focus States but have now given its willingness to join in the scheme. The scheme date has been extended till March, 2013 to provide benefit of the scheme to above three states. Status of the FRP scheme is given at Table1.7.

Table 1.7
Financial Restructuring Plan status in States (As on 3rd February, 2014)

Name of the State	Tamil Nadu	Uttar Pradesh	Rajasthan	Haryana	Himachal Pradesh
Nodal Banks	SBI	PNB	Canara Bank- JVVNL PNB- JDVVNL Bank of Baroda- AVVNL	OBC	SBI
In principle consent of State Govt. (dated)	24.12.12	12.03.12	30.11.12	29.03.13	23.03.013
Approval from SERC (dated)	28.12.12	19.03.13	26.02.13	Awaited	Awaited
Approval from lenders	Approved	Approved	Approved	Awaited	Awaited
Status of Accounts	10-11	Finalized	Finalized	Finalized	Finalized
	11-12	With CAG	Finalized	Finalized	Finalized
Accumulated Losses of Discom as on 31.03.2012	53694.87 cr.	33600cr.	40942 cr.	19707.15 cr.	1398.22 cr
Power purchase payable more than 60 days as on 31.03.2012	5698 cr.	15554 cr.	4132 cr.	4494 cr.	352.38 cr.
STL outstanding as on 31.03.2012 less subsidy & energy bills outstanding	18724 cr.	16126 cr.	37476 cr.	16324.17 cr.	2638.78 cr.
Amount eligible under the scheme*	12765 cr.	31680 cr.	36038 cr.	14764 cr.	1398.22 cr.
Issuance of bonds by Discom	Issued for Rs. 6353 cr.	Issued for Rs.15027 cr.	Issued for Rs.17961 cr.	Issued for Rs.7366 cr.	Under progress

* Amount eligible under the scheme is calculated at lower of accumulated losses or STL (including power purchase payable outstanding for more than 60 days).

1.26 Status of FRP in other States-

Jharkhand- In case of Jharkhand, though power sector reforms were initiated in 2006, un-bundling of the State Electricity Board could not be done because of stay granted by the Hon'ble Supreme Court of India. The stay was vacated by the Hon'ble Supreme Court on 04.02.2013 and Jharkhand Government has now taken up the unbundling process and the same is under process. Since the State Electricity board was not unbundled as on 31.3.2012, the State could not participate in the original Scheme. The amount eligible under the scheme for the state is Rs. 4075.79 Crore.

Bihar - Bihar State Electricity Board was unbundled into five successor companies only on 30.10.2012 after the launch of the original Scheme. As such, no Distribution Company existed on 31.03.2012 (the cut-off date of original scheme). The amount eligible under the scheme for the state of Bihar is Rs. 2663.97 Crore.

Andhra Pradesh - Andhra Pradesh Discoms have huge STL & Power purchase payables; however, no corresponding accumulated losses were shown in their accounts as they were shown as irrecoverable trade receivables in the Balance Sheet. However, as per observations of Statutory Auditor and AG qualifications, had these irrecoverable trade receivables been properly reflected in the accounts, it would have resulted in huge accumulated loss. Andhra Pradesh Discoms, requested for restatement of accounts so that the true picture of financial position could be shown but their request was denied by AG as the accounts of FY 2011-12 were already adopted by the shareholders in AGM. Similarly an amount eligible under the scheme is Rs. 15086.47 Crore.

All India - Source of lighting (Census 2001)								
S No.	State / UT	Total	Electricity	Kerosene	Solar Energy	Other oil	Any other	No lighting
1	Andaman & Nicobar Islands	73062	56097	15860	338	201	130	436
2	Andhra Pradesh	16849857	11317766	5414683	37704	19512	10858	49334
3	Arunachal Pradesh	212615	116275	66779	481	1582	9853	17645
4	Assam	4935358	1229126	3685787	10082	2104	3461	4798
5	Bihar	13982590	1433477	12488085	40700	7648	6973	5707
6	Chandigarh	201878	195362	5678	204	61	146	427
7	Chhattisgarh	4148518	2202987	1908190	6804	3705	11004	15828
8	Dadra & Nagar Haveli	43973	37813	5686	63	5	59	347
9	Daman & Diu	34342	33573	610	6	8	31	114
10	Delhi	2554149	2371811	158476	2365	1369	13785	6343
11	Goa	279216	261273	15968	476	97	260	1142
12	Gujarat	9643989	7754307	1745351	23115	14511	24052	82653
13	Haryana	3529642	2926038	571700	6874	5921	5618	13491
14	Himachal Pradesh	1240633	1176338	56671	1423	1405	2076	2720
15	Jammu & Kashmir	1551768	1250738	229493	10309	2086	52005	7137
16	Jharkhand	4862590	1181628	3660073	10333	4961	2695	2900
17	Karnataka	10232133	8037052	2126345	21989	5187	7047	34513
18	Kerala	6595206	4632722	1918660	33291	3965	4358	2210
19	Lakshadweep	9240	9213	18	2	0	6	1
20	Madhya Pradesh	10919653	7641993	3224055	15130	8715	9638	20122
21	Maharashtra	19063149	14772090	4103826	24654	31619	40180	90780
22	Manipur	397656	238733	151219	918	184	3009	3593
23	Meghalaya	420246	179597	234716	1114	991	914	2914
24	Mizoram	160966	112079	46141	849	154	1020	723
25	Nagaland	332050	211194	105066	648	511	5485	9146
26	Orissa	7870127	2118195	5674090	27208	4680	9976	35978
27	Pondicherry	208655	183217	24663	338	44	99	294
28	Punjab	4265156	3920301	287174	5643	4667	9410	37961
29	Rajasthan	9342294	5109018	4122172	31584	19443	12720	47357
30	Sikkim	104738	81444	22610	149	55	111	369
31	Tamil Nadu	14173626	11081424	2987630	34614	5161	10523	54274
32	Tripura	662023	277015	380747	1268	248	1366	1379
33	Uttar Pradesh	25760601	8216439	17370591	93047	23745	22996	33783
34	Uttaranchal	1586321	956995	591090	29726	1049	2709	4752
35	West Bengal	15715915	5885724	9727836	49112	8830	20735	23678
India		191,963,935	107,209,054	83,127,739	522,561	184,424	305,308	614,849
		56%	43%	0.27%	0.10%	0.16%	0.32%	

Source: Census of India 2001

Note: India figures exclude Mao Maram, Paomata and Purul sub-divisions of Senapati district of Manipur.

Rural Households - Census 2001-Source of lighting								
S No.	State / UT	Total	Electricity	Kerosene	Solar Energy	Other oil	Any other	No lighting
1	Andaman & Nicobar Islands	49653	33807	14846	308	191	115	386
2	Andhra Pradesh	12676218	7561733	5031880	22539	16570	7855	35641
3	Arunachal Pradesh	164501	73250	62279	375	1571	9717	17309
4	Assam	4220173	697842	3507237	7631	1827	2057	3579
5	Bihar	12660007	649503	11960569	35228	5799	5244	3664
6	Chandigarh	21302	20750	444	42	11	4	51
7	Chhattisgarh	3359078	1548926	1777634	5697	2994	10189	13638
8	Dadra & Nagar Haveli	32783	27088	5256	39	3	54	343
9	Daman & Diu	22091	21529	445	5	6	25	81
10	Delhi	169528	144948	22021	175	140	1201	1043
11	Goa	140755	130105	9667	259	51	140	533
12	Gujarat	5885961	4244758	1540107	12604	11900	18368	58224
13	Haryana	2454463	1926814	505586	5373	4458	3332	8900
14	Himachal Pradesh	1097520	1036969	53500	1207	1258	1982	2604
15	Jammu & Kashmir	1161357	868341	223346	9669	1601	51579	6821
16	Jharkhand	3802412	379987	3408058	7965	3199	1685	1518
17	Karnataka	6675173	4816913	1814040	13295	3776	4538	22611
18	Kerala	4942550	3238899	1669386	26399	3153	3151	1562
19	Lakshadweep	5351	5337	7	1	0	6	0
20	Madhya Pradesh	8124795	5063424	3024423	10535	6762	6510	13141
21	Maharashtra	10993623	7164057	3695381	14823	26919	29825	62618
22	Manipur	296354	155679	133711	705	143	2785	3331
23	Meghalaya	329678	99762	224878	968	794	777	2499
24	Mizoram	79362	35028	41915	793	103	936	587
25	Nagaland	265334	150929	99536	495	474	5363	8537
26	Orissa	6782879	1312744	5409973	22438	4019	8317	25388
27	Pondicherry	72199	58486	13456	85	13	66	93
28	Punjab	2775462	2482925	248353	3498	3554	6924	30208
29	Rajasthan	7156703	3150556	3912541	29112	17179	8780	38535
30	Sikkim	91723	68808	22245	144	54	105	367
31	Tamil Nadu	8274790	5890371	2329949	16359	3212	5755	29144
32	Tripura	539680	171357	364826	996	193	1172	1136
33	Uttar Pradesh	20590074	4084288	16371920	80732	18976	14904	19254
34	Uttaranchal	1196157	602255	558411	29104	812	2137	3438
35	West Bengal	11161870	2262517	8838875	34827	4450	11612	9589
All India		138,271,559	60,180,685	76,896,701	394,425	146,165	227,210	426,373
		44%	56%	0.29%	0.11%	0.16%	0.31%	

Source: Census of India 2001

Note: India figures exclude Mao Maram, Paomata and Purul sub-divisions of Senapati district of Manipur.

Urban Households - Census 2001-Source of lighting								
S No.	State / UT	Total	Electricity	Kerosene	Solar Energy	Other oil	Any other	No lighting
1	Andaman & Nicobar Islands	23409	22290	1014	30	10	15	50
2	Andhra Pradesh	4173639	3756033	382803	15165	2942	3003	13693
3	Arunachal Pradesh	48114	43025	4500	106	11	136	336
4	Assam	715185	531284	178550	2451	277	1404	1219
5	Bihar	1322583	783974	527516	5472	1849	1729	2043
6	Chandigarh	180576	174612	5234	162	50	142	376
7	Chhattisgarh	789440	654061	130556	1107	711	815	2190
8	Dadra & Nagar Haveli	11190	10725	430	24	2	5	4
9	Daman & Diu	12251	12044	165	1	2	6	33
10	Delhi	2384621	2226863	136455	2190	1229	12584	5300
11	Goa	138461	131168	6301	217	46	120	609
12	Gujarat	3758028	3509549	205244	10511	2611	5684	24429
13	Haryana	1075179	999224	66114	1501	1463	2286	4591
14	Himachal Pradesh	143113	139369	3171	216	147	94	116
15	Jammu & Kashmir	390411	382397	6147	640	485	426	316
16	Jharkhand	1060178	801641	252015	2368	1762	1010	1382
17	Karnataka	3556960	3220139	312305	8694	1411	2509	11902
18	Kerala	1652656	1393823	249274	6892	812	1207	648
19	Lakshadweep	3889	3876	11	1	0	0	1
20	Madhya Pradesh	2794858	2578569	199632	4595	1953	3128	6981
21	Maharashtra	8069526	7608033	408445	9831	4700	10355	28162
22	Manipur	101302	83054	17508	213	41	224	262
23	Meghalaya	90568	79835	9838	146	197	137	415
24	Mizoram	81604	77051	4226	56	51	84	136
25	Nagaland	66716	60265	5530	153	37	122	609
26	Orissa	1087248	805451	264117	4770	661	1659	10590
27	Pondicherry	136456	124731	11207	253	31	33	201
28	Punjab	1489694	1437376	38821	2145	1113	2486	7753
29	Rajasthan	2185591	1958462	209631	2472	2264	3940	8822
30	Sikkim	13015	12636	365	5	1	6	2
31	Tamil Nadu	5898836	5191053	657681	18255	1949	4768	25130
32	Tripura	122343	105658	15921	272	55	194	243
33	Uttar Pradesh	5170527	4132151	998671	12315	4769	8092	14529
34	Uttaranchal	390164	354740	32679	622	237	572	1314
35	West Bengal	4554045	3623207	888961	14285	4380	9123	14089
All India		53,692,376	47,028,369	6,231,038	128,136	38,259	78,098	188,476
		88%	12%	0.24%	0.07%	0.15%	0.35%	

Source: Census of India 2001

Note: India figures exclude Mao Maram, Paomata and Purul sub-divisions of Senapati district of Manipur.

All India - Source of lighting (Census 2011)								
S No.	State / UT	Total	Electricity	Kerosene	Solar Energy	Other oil	Any other	No lighting
1	Andaman & Nicobar Islands	93376	80421	12055	137	263	79	421
2	Andhra Pradesh	21024534	19377222	1450876	55005	44034	17489	79908
3	Arunachal Pradesh	261614	171821	48300	7597	838	5502	27556
4	Assam	6367295	2358900	3933309	49218	8482	4266	13120
5	Bihar	18940629	3098435	15612491	109,389	56234	49040	15040
6	Chandigarh	235061	231204	2783	182	130	231	531
7	Chhattisgarh	5622850	4231941	1306320	49798	10463	7690	16638
8	Dadra & Nagar Haveli	73063	69558	3208	20	10	29	238
9	Daman & Diu	60381	59824	462	8	7	28	52
10	Delhi	3340538	3310809	21730	1621	904	3027	2447
11	Goa	322813	312761	7797	576	150	256	1273
12	Gujarat	12181718	11013214	983813	16016	26155	25617	116903
13	Haryana	4717954	4270297	383378	7511	11859	21995	22914
14	Himachal Pradesh	1476581	1428783	41589	1834	1187	1286	1902
15	Jammu & Kashmir	2015088	1715557	195290	20813	4285	39778	39365
16	Jharkhand	6181607	2829867	3284079	44919	13634	5258	3850
17	Karnataka	13179911	11945467	1128659	25080	18188	8753	53764
18	Kerala	7716370	7284706	404513	13523	6754	3966	2908
19	Lakshadweep	10703	10669	22	4	0	5	3
20	Madhya Pradesh	14967597	10044644	4801602	40089	31203	16021	34038
21	Maharashtra	23830580	20004164	3446376	57589	39630	67710	215111
22	Manipur	507152	346635	127427	9740	2055	18216	3079
23	Meghalaya	538299	327958	199046	4302	1542	1302	4149
24	Mizoram	221077	186155	29903	2936	753	706	624
25	Nagaland	399965	326405	62490	1257	881	4451	4481
26	Orissa	9661085	4155886	5345570	34216	10081	10678	104654
27	Pondicherry	301276	294205	6162	30	199	43	637
28	Punjab	5409699	5225793	117302	5754	8799	14855	37196
29	Rajasthan	12581303	8430040	3888705	78212	40839	38122	105385
30	Sikkim	128131	118578	8388	305	127	83	650
31	Tamil Nadu	18493003	17265059	1095489	13669	27853	8971	81962
32	Tripura	842781	576787	245373	15868	1798	349	2606
33	Uttar Pradesh	32924266	12120231	20394022	156837	90636	95304	67236
34	Uttaranchal	1997068	1738175	221206	24267	3158	3880	6382
35	West Bengal	20067299	10935123	8735299	238571	42440	18305	97561
All India		246,692,667	165,897,294	77,545,034	1,086,893	505,571	493,291	1,164,584
		67%	31%	0.44%	0.20%	0.20%	0.47%	

Source: Census of India 2011

Rural Households - Census 2011-Source of lighting								
S No.	State / UT	Total	Electricity	Kerosene	Solar Energy	Other oil	Any other	No lighting
1	Andaman & Nicobar Islands	59030	46852	11393	132	243	68	342
2	Andhra Pradesh	14246309	12782453	1312644	33391	36983	13624	67214
3	Arunachal Pradesh	195723	108550	46175	7553	767	5357	27321
4	Assam	5374553	1524221	3782653	46529	7465	3464	10221
5	Bihar	16926958	1754673	14963756	104118	50421	43027	10963
6	Chandigarh	6785	6603	162	1	6	6	7
7	Chhattisgarh	4384112	3070879	1235592	48935	8554	6499	13653
8	Dadra & Nagar Haveli	35408	32452	2697	19	8	24	208
9	Daman & Diu	12750	12532	185	4	1	3	25
10	Delhi	79115	77366	1136	65	133	246	169
11	Goa	124674	119208	4287	269	80	55	775
12	Gujarat	6765403	5749271	869255	13874	20963	19747	92293
13	Haryana	2966053	2585338	335860	5632	9137	14591	15495
14	Himachal Pradesh	1310538	1265897	38895	1762	1037	1158	1789
15	Jammu & Kashmir	1497920	1208527	189124	20260	3969	37710	38330
16	Jharkhand	4685965	1514050	3113279	41723	11258	3574	2081
17	Karnataka	7864196	6819812	965641	19187	13426	5244	40886
18	Kerala	4095674	3772137	304225	10997	4156	2447	1712
19	Lakshadweep	2523	2517	5	0	0	1	0
20	Madhya Pradesh	11122365	6479144	4546696	36275	24901	10545	24804
21	Maharashtra	13016652	9605299	3107049	48506	32422	51490	171886
22	Manipur	335752	205444	108164	9031	1531	9296	2286
23	Meghalaya	422197	217739	193949	4224	1401	1116	3768
24	Mizoram	104874	72138	28159	2872	644	561	500
25	Nagaland	284911	214319	60106	1163	783	4309	4231
26	Orissa	8144012	2895252	5113827	31870	8464	8696	85903
27	Pondicherry	95133	91105	3387	22	113	22	484
28	Punjab	3315632	3166394	96149	4431	6832	11302	30524
29	Rajasthan	9490363	5528360	3729431	75583	36127	29467	91395
30	Sikkim	92370	83277	8075	293	116	82	527
31	Tamil Nadu	9563899	8683426	791493	8720	19254	5294	55712
32	Tripura	607779	361573	228953	13368	1470	268	2147
33	Uttar Pradesh	25475071	6054978	19111021	141108	72589	59296	36079
34	Uttaranchal	1404845	1166756	204149	23789	2691	2750	4710
35	West Bengal	13717186	5529496	7927731	160497	29974	10168	59320
All India		167,826,730	92,808,038	72,435,303	916,203	407,919	361,507	897,760
			55%	43%	0.55%	0.24%	0.22%	0.53%

Source: Census of India 2011

Urban Households - Census 2011-Source of lighting								
S No.	State / UT	Total	Electricity	Kerosene	Solar Energy	Other oil	Any other	No lighting
1	Andaman & Nicobar Islands	34346	33569	662	5	20	11	79
2	Andhra Pradesh	6778225	6594769	138232	21614	7051	3865	12694
3	Arunachal Pradesh	65891	63271	2125	44	71	145	235
4	Assam	992742	834679	150656	2689	1017	802	2899
5	Bihar	2013671	1343762	648735	5271	5813	6013	4077
6	Chandigarh	228276	224601	2621	181	124	225	524
7	Chhattisgarh	1238738	1161062	70728	863	1909	1191	2985
8	Dadra & Nagar Haveli	37655	37106	511	1	2	5	30
9	Daman & Diu	47631	47292	277	4	6	25	27
10	Delhi	3261423	3233443	20594	1556	771	2781	2278
11	Goa	198139	193553	3510	307	70	201	498
12	Gujarat	5416315	5263943	114558	2142	5192	5870	24610
13	Haryana	1751901	1684959	47518	1879	2722	7404	7419
14	Himachal Pradesh	166043	162886	2694	72	150	128	113
15	Jammu & Kashmir	517168	507030	6166	553	316	2068	1035
16	Jharkhand	1495642	1315817	170800	3196	2376	1684	1769
17	Karnataka	5315715	5125655	163018	5893	4762	3509	12878
18	Kerala	3620696	3512569	100288	2526	2598	1519	1196
19	Lakshadweep	8180	8152	17	4	0	4	3
20	Madhya Pradesh	3845232	3565500	254906	3814	6302	5476	9234
21	Maharashtra	10813928	10398865	339327	9083	7208	16220	43225
22	Manipur	171400	141191	19263	709	524	8920	793
23	Meghalaya	116102	110219	5097	78	141	186	381
24	Mizoram	116203	114017	1744	64	109	145	124
25	Nagaland	115054	112086	2384	94	98	142	250
26	Orissa	1517073	1260634	231743	2346	1617	1982	18751
27	Pondicherry	206143	203100	2775	8	86	21	153
28	Punjab	2094067	2059399	21153	1323	1967	3553	6672
29	Rajasthan	3090940	2901680	159274	2629	4712	8655	13990
30	Sikkim	35761	35301	313	12	11	1	123
31	Tamil Nadu	8929104	8581633	303996	4949	8599	3677	26250
32	Tripura	235002	215214	16420	2500	328	81	459
33	Uttar Pradesh	7449195	6065253	1283001	15729	18047	36008	31157
34	Uttaranchal	592223	571419	17057	478	467	1130	1672
35	West Bengal	6350113	5405627	807568	78074	12466	8137	38241
All India		78,865,937	73,089,256	5,109,731	170,690	97,652	131,784	266,824
		93%	6%	0.22%	0.12%	0.17%	0.34%	

Source: Census of India 2011

Note:

* Tripura Power Dept. is corporatised as Tripura State Electricity Corporation Ltd.

JERCs CONSTITUTED FOR : (1) Manipur & Mizoram ; (2) Joint Electricity Regulatory Commission for Union Territories & Goa

Chapter 2

Power Sector Outlay and General Issues

Introduction

2.1 This chapter reviews the investment in the power sector under public sector and presents the Plan outlays & expenditure in the sector, power balance, elasticity of electricity generation and consumption with respect to the GDP.

Power Sector Plan Outlay and Expenditure

2.2 Annexure 2.1 gives the outlay and expenditure in the power sector since First Five Year Plan for the country as a whole. The state-wise outlay and expenditure for the Seventh, Eighth, Ninth, Tenth, Eleventh Plan is given in Annexure 2.2 to 2.6. Annexure 2.7 indicates the Plan allocations for power sector for the Twelfth Plan as well as the Annual Plans for the Twelfth Plan.

Plan-wise Trend

2.3 Power is one of the key inputs required for a sustained economic growth. The Government has been allocating adequate outlays during all Plan periods. With the exception of the Second, Third and Ninth Five Year Plans, the share of Power Sector outlay in the Total Plan outlay has been less than 15% as indicated in Figure 2.1. As against this, the actual expenditure from the First Plan to the Tenth Plan has been in the range of 13-19% of the Total Plan expenditure. For example, the Power Sector expenditure for the Eleventh Plan is 11.63% of the Total Plan expenditure as against a provision of 15.71% of the Total Plan outlay (Figure 2.1). The Power Sector outlay and expenditure in absolute terms is given in Table 2.1.

Figure 2.1

**Power Sector Outlay/Expenditure as a percentage of Total Plan Outlay/Expenditure
since the First Five Year Plan**

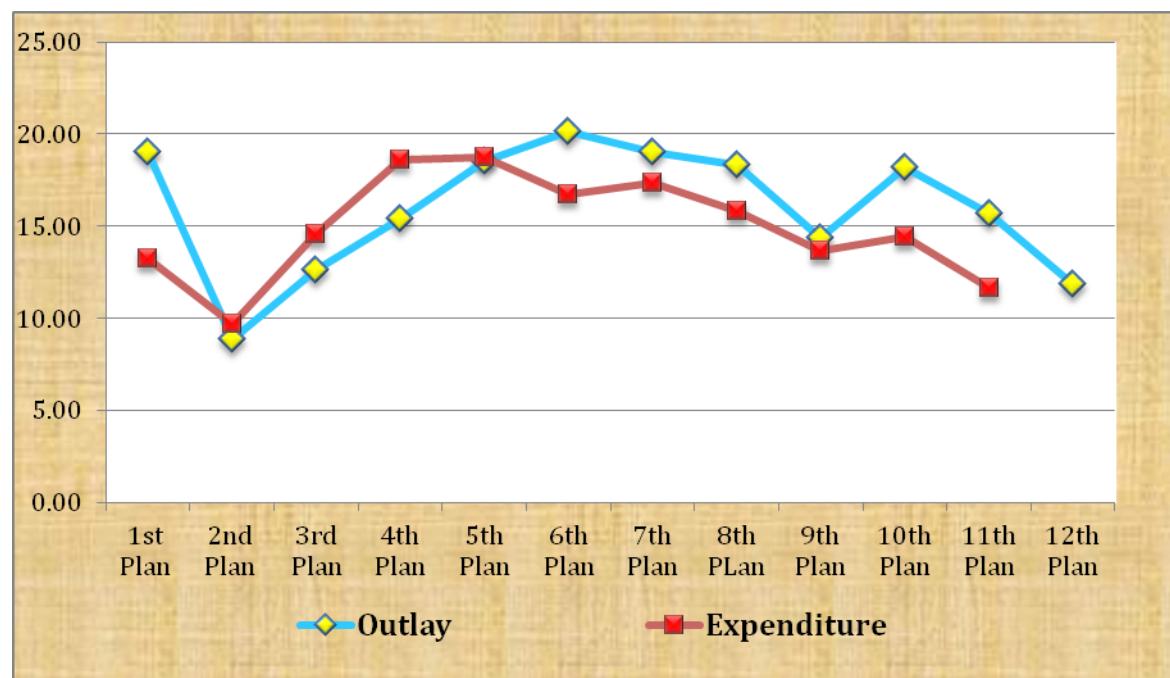


Table 2.1
Power Sector Outlay and Expenditure (Rs. crore)

	Plan Outlay	Actual Expenditure	(%)
First Plan	393	260	66.1
Second Plan	427	445	104.4
Third Plan	1020	1252	122.8
Fourth Plan	2448	2932	119.8
Fifth Plan	7294	7400	101.5
Sixth Plan	19265	18299	95.0
Seventh Plan	34273	37895	110.6
Eighth Plan	79589	76677	96.3
Ninth Plan	124225	114008	91.8
Tenth Plan	205021	182380	88.9
Eleventh Plan	473745	388531	82.0
Twelfth Plan	960542	NA	-

2.4 In the Twelfth Plan, though the allocation to the power sector has increased in absolute terms, its percentage share in the All Sector outlay has declined as compared to the Eleventh Plan (Figure 2.2). While the allocation to Power Sector in the Twelfth Plan accounted for 11.9% of the total Plan outlay, the corresponding shares for the Eleventh Plan has been 11.7%.

2.5 The Plan allocation has been steadily decreasing from 20.1% during the Sixth Plan and it was 12.9% during the Tenth Plan period and further decreased to 11.9% in the Twelfth Plan period as most of the State Power Utilities have been sourcing of their funds market borrowings. It may be noted that after the restructuring of state electricity boards, separate companies for generation, transmission and distribution were created. Plan outlays allocation from the State Governments has drastically come down to these companies as they are supposed to operate as commercial entities. Hence the State Government support is to the extent of equity contribution in most of the cases. The commercial borrowings done by these entities are not reflected in the plan outlays indicated in the analysis presented in this Chapter.

Figure 2.2

State Wise Allocation of Power Sector Outlay as % of Total All Sector Outlay for the 12th Plan.



Electricity Balance

2.6 The total quantity of electricity available for sale in a state is its own generation net of auxiliary consumption plus net purchase minus T&D losses. Table 2.2 below gives the electricity balance from 2001-02 (terminal year of the Ninth Plan period) to 2011-12 (terminal year of the Eleventh Plan period) for the whole country.

Table 2.2
Power Balance (Mkwh)

Year	Gross Generation	Auxiliary Consumption	Net Generation	Purchase from Outside*	T&D losses	Total Consumption
2001-02	517,439	36,606	480,833	7,969	166,111	322,691
2006-07	670,654	43,577	627,077	11,931	183,043	455,965
2007-08	722,626	45,531	677,095	12,686	187,513	502,268
2008-09	741,167	47,404	693,763	14,181	180,322	527,622
2009-10	799,851	50,723	749,126	14,391	193,795	569,723
2010-11	844,748	52,952	791,795	19,839	194,537	617,097
2011-12	922,451	56,499	865,953	15,516	208,400	673,068

***Purchases from Bhutan and Captive plants**

2.7 During this period the auxiliary consumption has varied between 6.1% and 7.1% of the gross generation. In 2001-02, the auxiliary consumption was 7.1% of the gross generation and it has improved to 6.1% in 2011-12. The variation in percentage auxiliary consumption indicated is due to the change in mix of various modes of generation. T&D losses were 34% of the total power available for sales in 2001-02 which have reduced to 24% of the total power available for sales in 2011-12. It needs to be noted here that the reported T&D loss here is for the state utilities included in the analysis and does not include

the loss levels in private utilities in some cities like Mumbai, Delhi, Kolkata, Ahmedabad, Surat and State of Orissa.

Elasticity of electricity Generation and consumption w.r.t. GDP

2.8 Table 2.3 gives the Plan-wise elasticity of electricity generation and consumption with respect to GDP from the First Plan to the Eleventh Plan. The elasticity of electricity generation and consumption vis-à-vis GDP has declined over time after an increase till the Third Plan. The elasticity of electricity generation and consumption for the Eleventh Plan (2007-12) was 0.87 and 1.04 respectively.

Table 2.3

Elasticity of Electricity Generation and Consumption w.r.t. GDP since the First Plan Period

Plan Periods	Generation	Consumption
First Plan	3.06	3.14
Second Plan	3.45	3.38
Third Plan	5.11	5.04
Forth Plan	2.15	1.85
Fifth Plan	1.88	1.88
Sixth Plan	1.47	1.39
Seventh Plan	1.57	1.50
Eighth Plan	1.02	0.97
Ninth Plan	1.05	0.64
Tenth Plan	0.71	0.90
Eleventh Plan	0.87	1.04

Chapter 3

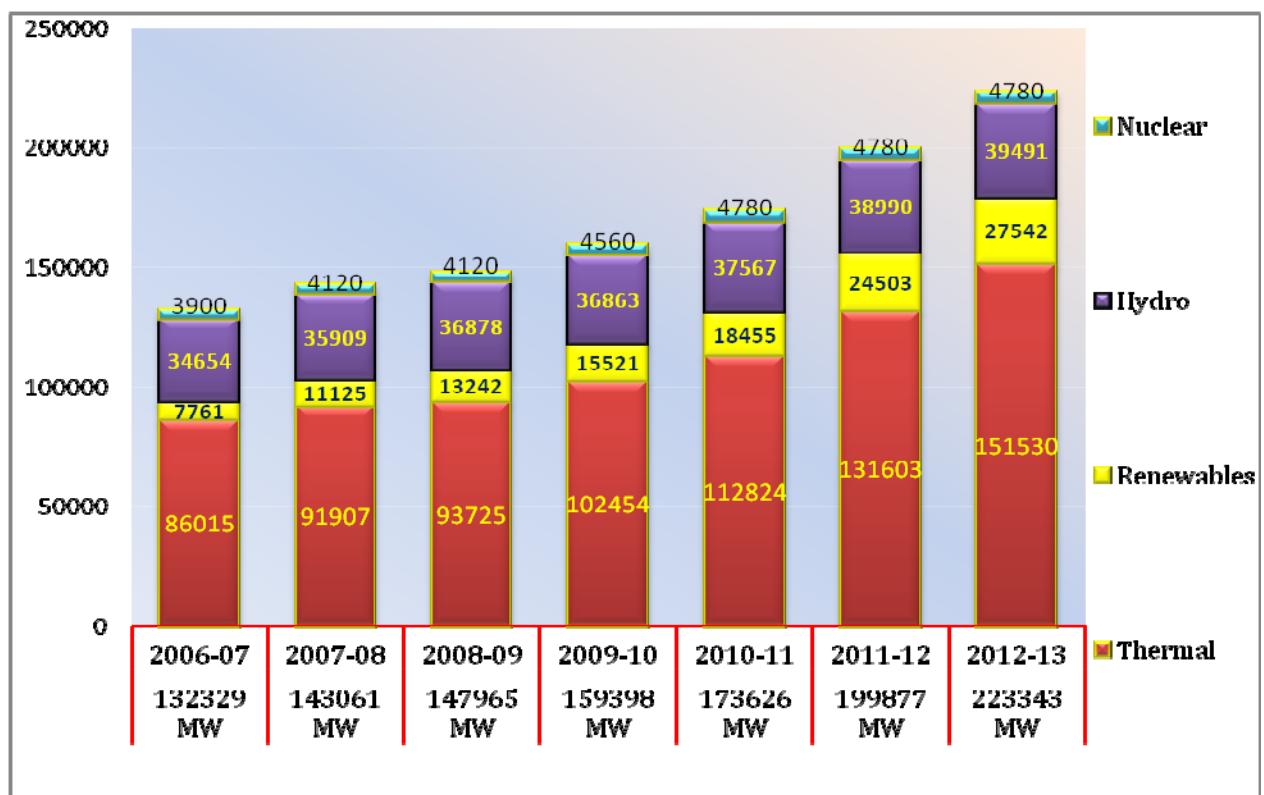
Physical Performance

This Chapter reviews the physical performance of the power utilities for the years 2006-07 to 2012-13. Parameters considered for analysis include installed generation capacity, auxiliary consumption, T&D losses, share of purchase in total sales, share of different sectors in total sales etc.

3.1 Installed Generation Capacity

The total installed capacity in the Utilities sector increased from 1,32,327 MW in 2006-07 to 2,23,343.60 MW by 2012-13 (Figure 3.1). It indicates an average annual growth rate of 9.12 percent.

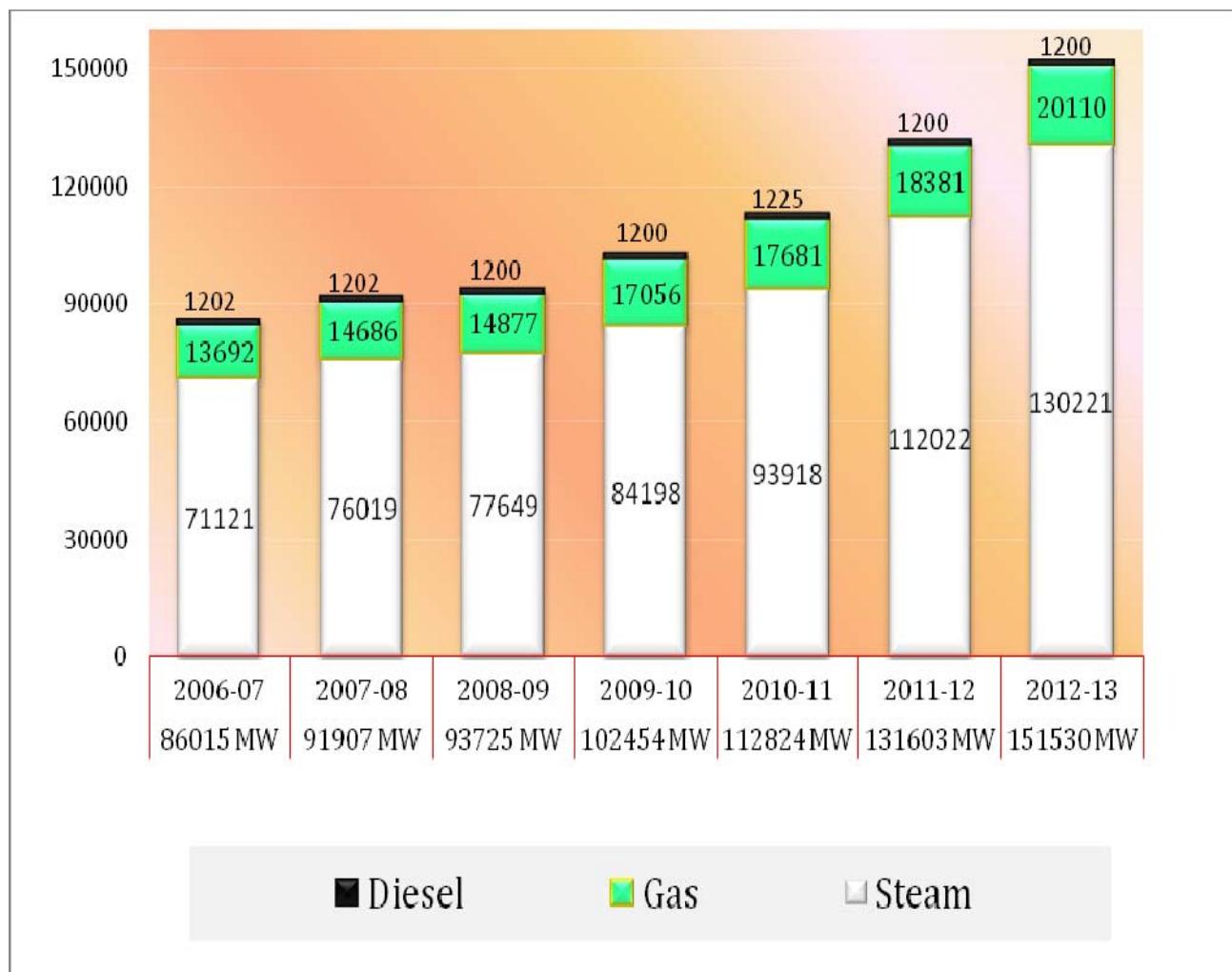
Figure 3.1
Installed Generation Capacity (MW) from 2006-07 to 2012-13.



By the end of 2012-13, the major share in installed capacity is of the thermal sector, which is about 65 percent. Within the thermal sector, coal has been the dominant fuel which accounts for about 85 percent of thermal power capacity. The corresponding share of diesel and gas has been approximately 0.8 percent and 13 percent respectively (Figure 3.2). The share of gas based generation has been practically coming down because gas based capacity addition has been minimal due to inadequate availability of domestic gas. This share is projected to further go down in 12th Plan and 13th Plan due to declining domestic gas production.

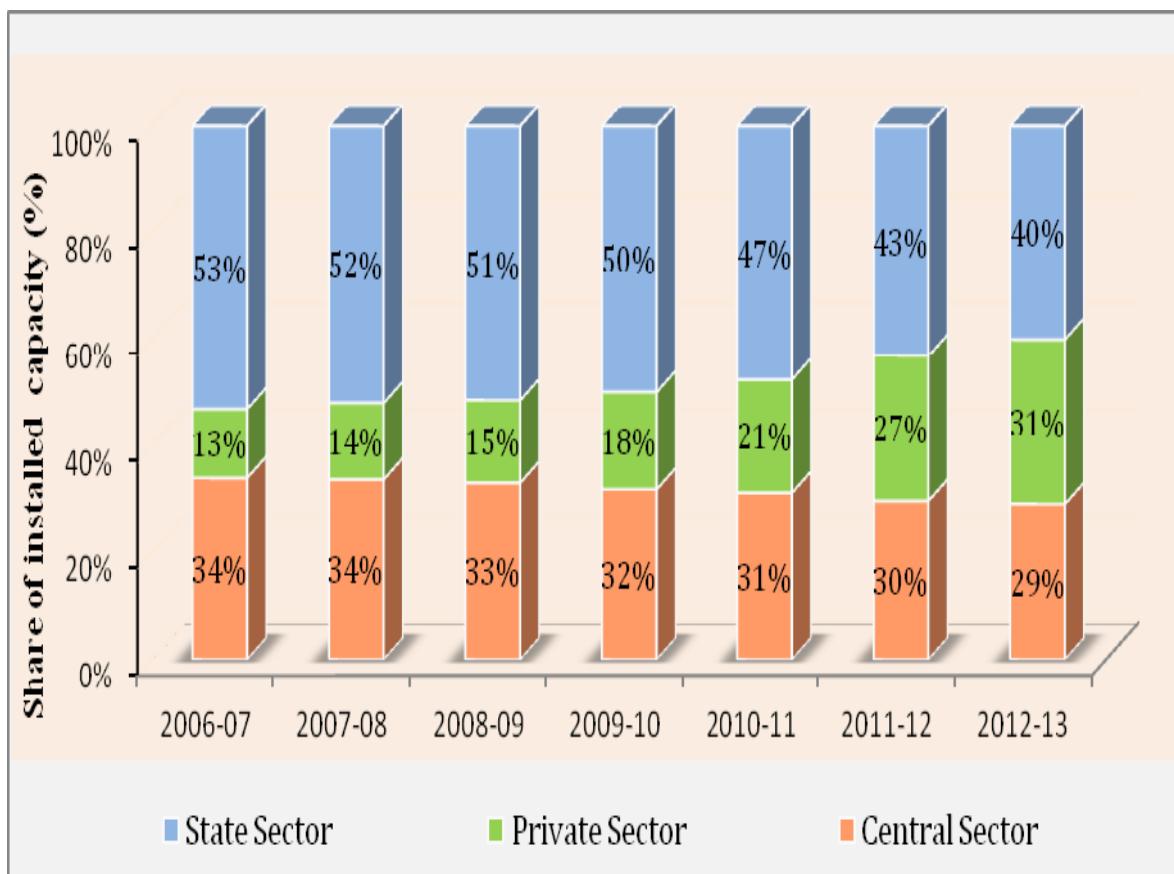
Figure 3.2

Installed Thermal Generation Capacity (MW) from 2006-07 to 2012-13



As far as ownership of the installed capacity is concerned, the State sector continues to be the largest owner with 40 percent share in 2012-13, though there is a clear and remarkable shift in ownership pattern of the private sector since 2006-07. During the seven year period under reference, its share has been steadily increased from 13 percent to 31 percent (Figure 3.3).

Figure 3.3
Sector wise ownership pattern of Installed Capacity in (%)
2006-07 to 2012-13



As far as the 12th Plan targets/achievements are concerned, the 12th Plan target is 88,537 MW. The actual achievement during the first year and achievement up to December, 2013 (during the second year of the 12th Plan) is indicated in Table 3.1.

Table 3.1
Plan Targets and Achievements during the Twelfth Plan (MW)

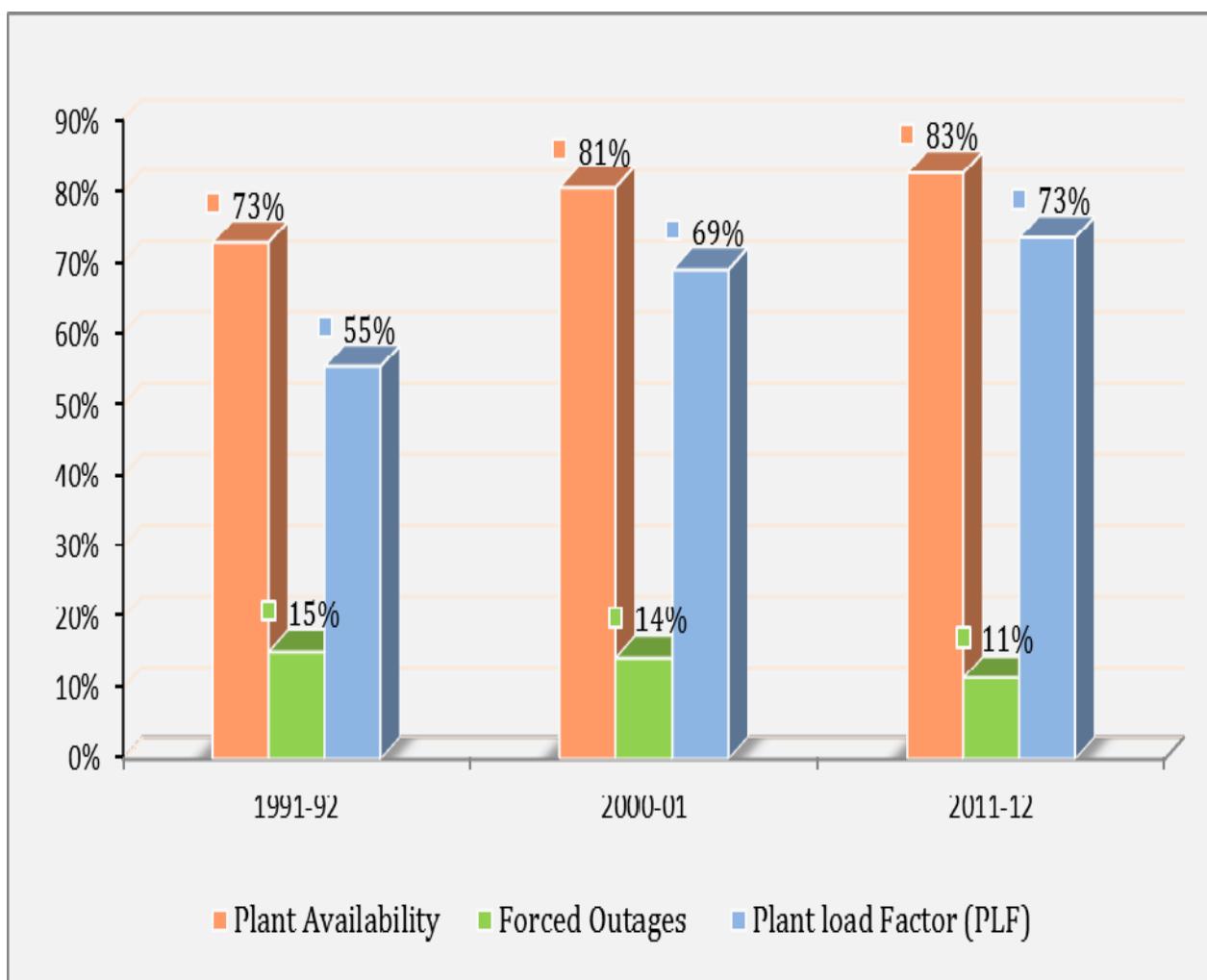
Sectors	Original Target	2012-13		2013-14	
		Target	Achievement	Target	Achievement (up to December 2013)
Centre	26,182.0	6668.3	5397.3	6,037.3	1418.0
State	15,530.0	4038.0	3968.0	4,536.0	2016.0
Private	46,825.0	7250.0	11257.5	7,859.0	5294
Total	88,537.0	17956.3	20622.8	18,432.3	8728.0
Hydro	10,897	802.0	501.0	1198.0	402.0
Thermal	72,340	15154.3	20121.8	15,234.3	8326.0
Nuclear	5,300	2000.0	0	2,000.0	0
Total	88,537.0	17956.3	20622.8	18,432.3	8728.0

3.2 Plant Availability, Plant Load Factor (PLF) and Forced Outages

For about a decade during 1991-92 to 2000-2001, the Plant availability factor increased from 73 percent to 81 percent. During this time period, the

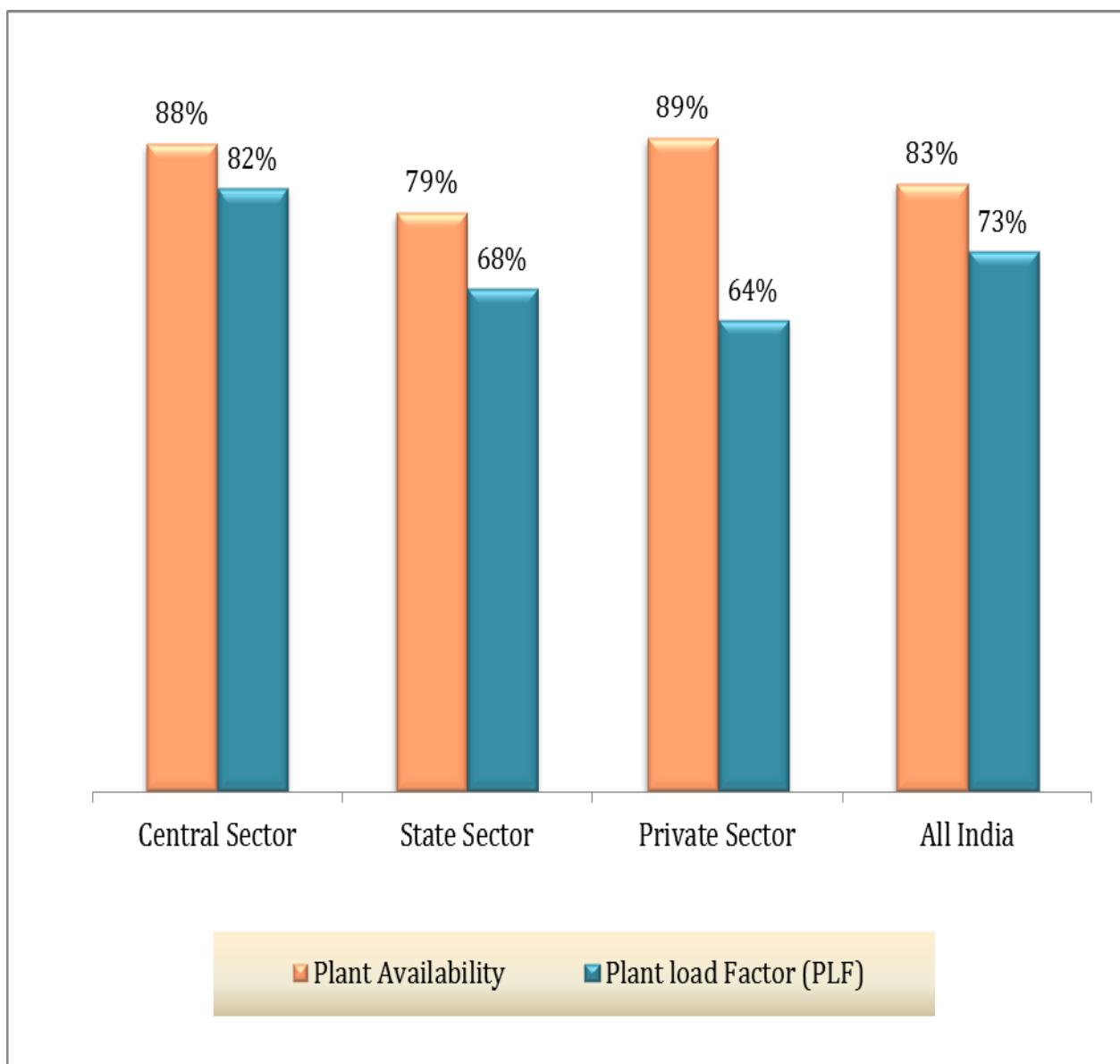
average PLF also increased from about 55 percent to about 69 percent. Since then, there has been improvement in both, plant availability and PLF. At the end of 2011-12, the plant availability increased to about 83 percent on All India basis whereas the PLF increased to the level of 73 percent. Similar improvement has also been seen in respect of forced outages of thermal stations, whereas in the year 1991-92, it was about 15 percent and it has come down to about 11 percent by the end of the year 2011-12 (Figure 3.4).

Figure 3.4
Plant Availability, PLF and Forced Outages for 1991-92, 2000-01
and 2011-12 (in percentage)



During 2011-12, operating plant availability was best of private sector utilities at 89 percent followed by the central sector at 88 percent and the corresponding figure in the state sector was 79 percent (Figure 3.5) however central sector generating stations leading in PLF at 82 percent followed by State sector at 68 percent and thereafter, the private Sector at 64 percent.

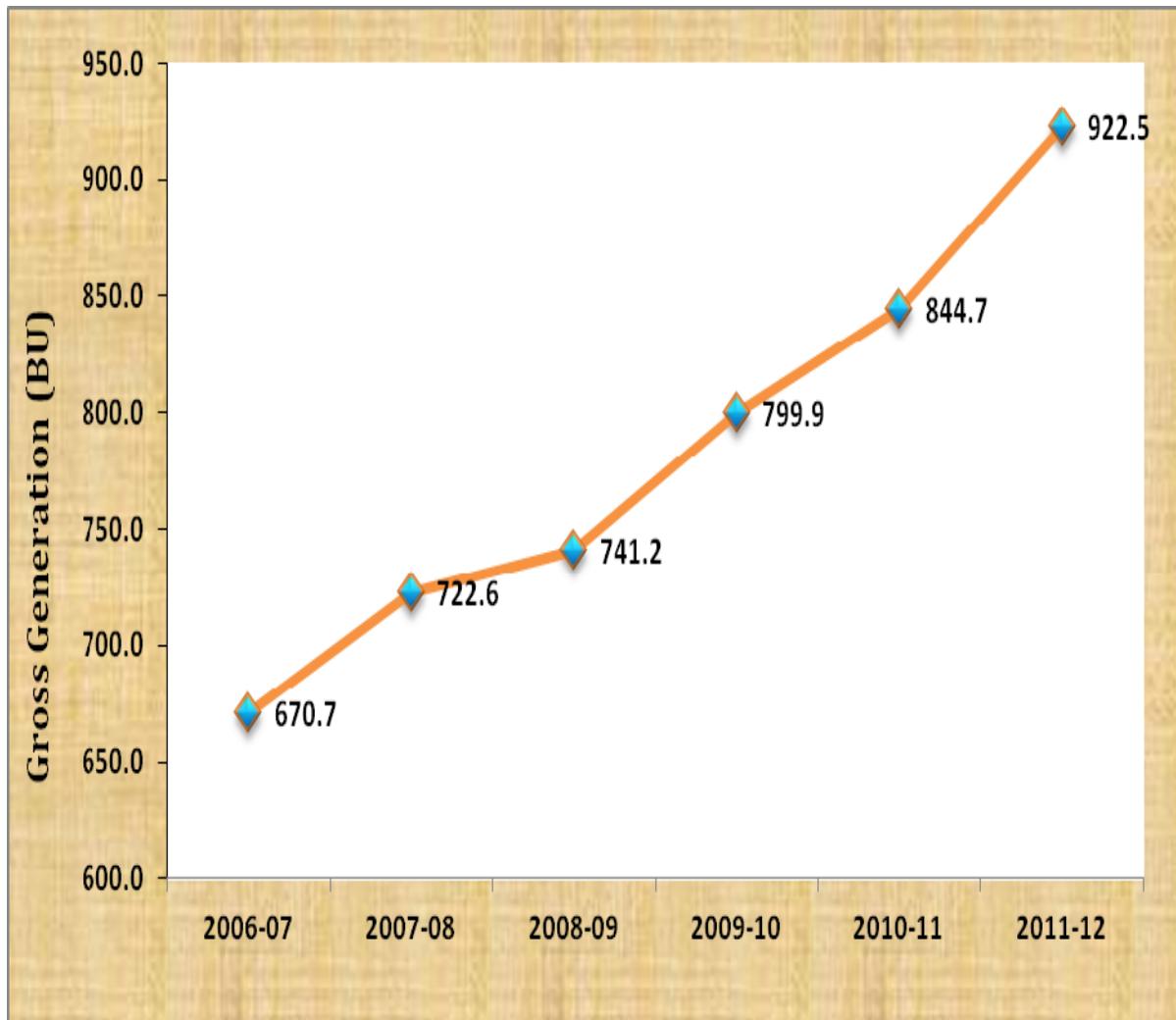
Figure 3.5
Plant Availability and PLF for Different Sectors for 2011-12



3.3 Generation and Sales

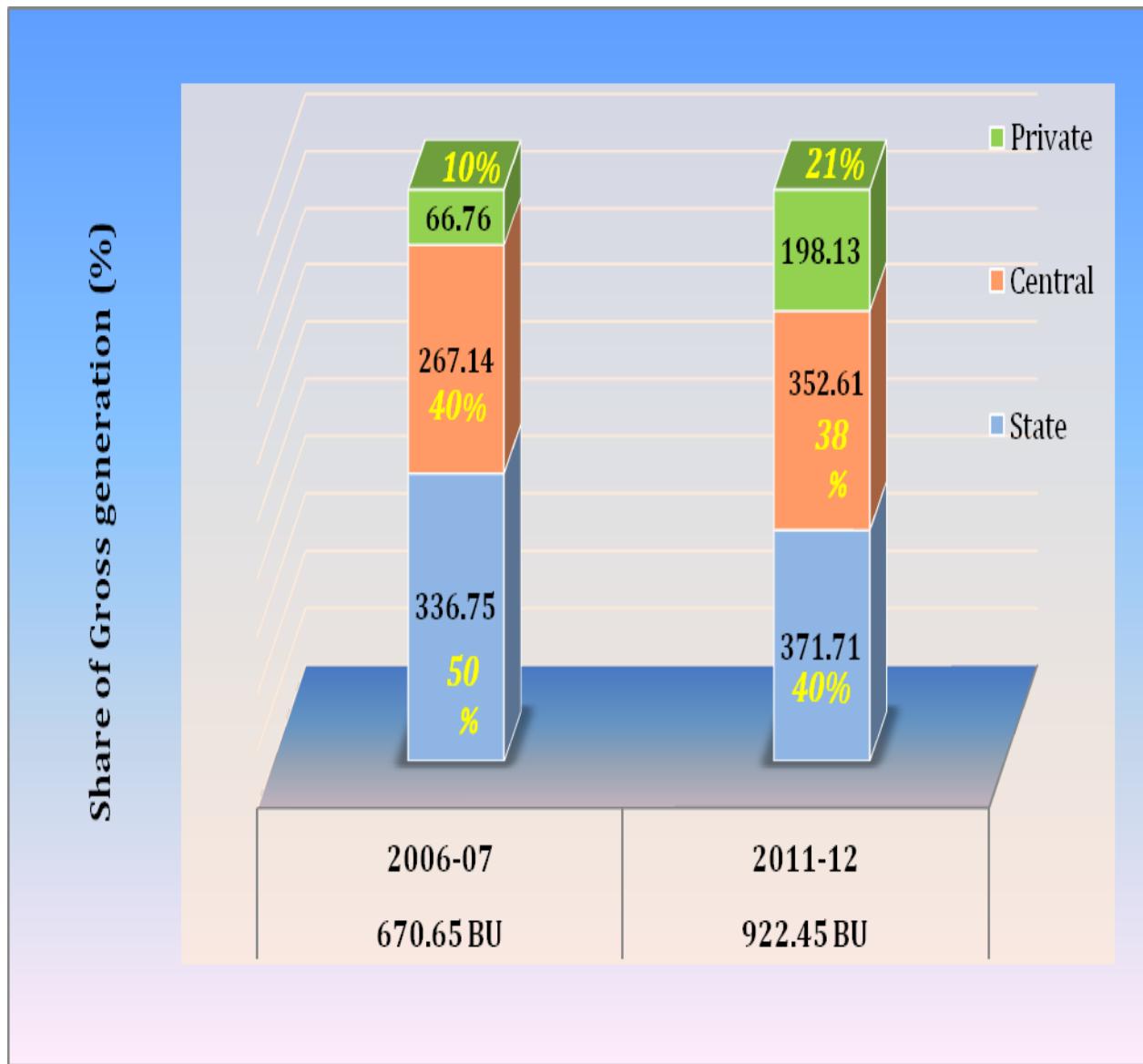
In India, Gross generation has increased from about 670 billion units in 2006-07 to about 922 billion units in 2011-12. It records an annual average growth of 6.6 percent (Figure 3.6).

Figure 3.6
Gross Generation (BU) from 2006-07 to 2011-12



Between 2006-07 and 2011-12, there has been a clear shift in the relative contributions of different sectors in the gross power generation in the country. The ten percent fall in the share of the state sector and two percent shrink in the central share are matched by an eleven percent boost up in the share of the private sector. The details in this regard are presented in Figure 3.7:

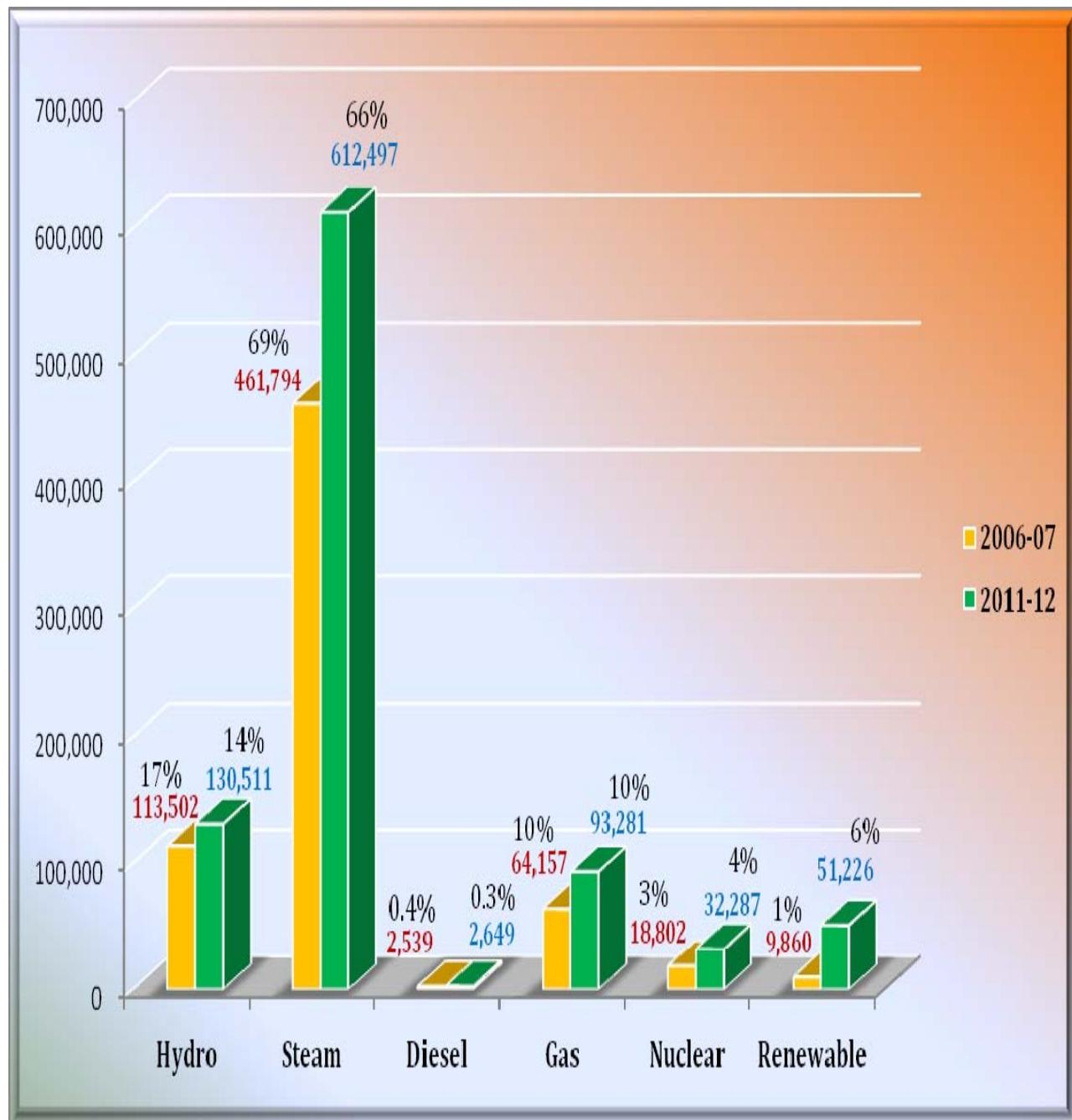
Figure 3.7
Share of Ownership of Gross Generation in 2006-07 and 2011-12



Thermal sources accounted for about 77 percent of the total power generated in the country during 2011-12. Generation through steam i.e. coal and lignite continued to be the dominant source of power generation in the country during 2006-07 and 2011-12. In 2011-12 there is a mark of 2 percent reduction in thermal share from 79 percent share in the year 2006-07. The share of gas remained unchanged; it's almost constant 10 percent in both the years 2006-07

and 2011-12 in absolute terms. Although the diesel based generation slightly increased compared to 2006-07 but its share reduced from 0.4 percent to 0.3 percent in 2011-12 among other fuel based generation. The details of mode-wise share in power generation are given in Figure 3.8:

Figure 3.8
Source wise share in Total Generation in 2006-07 and 2011-12



Within the overall generation of 922 billion units, the dominant share is of the State sector about 40%, followed by 38% of Central Sector and 21% private sector as shown in Figure 3.9 (i) & (ii)) below:

Figure 3.9(i)

**Share of Central/State/Private Sectors in Total Gross Generation in
2011-12**

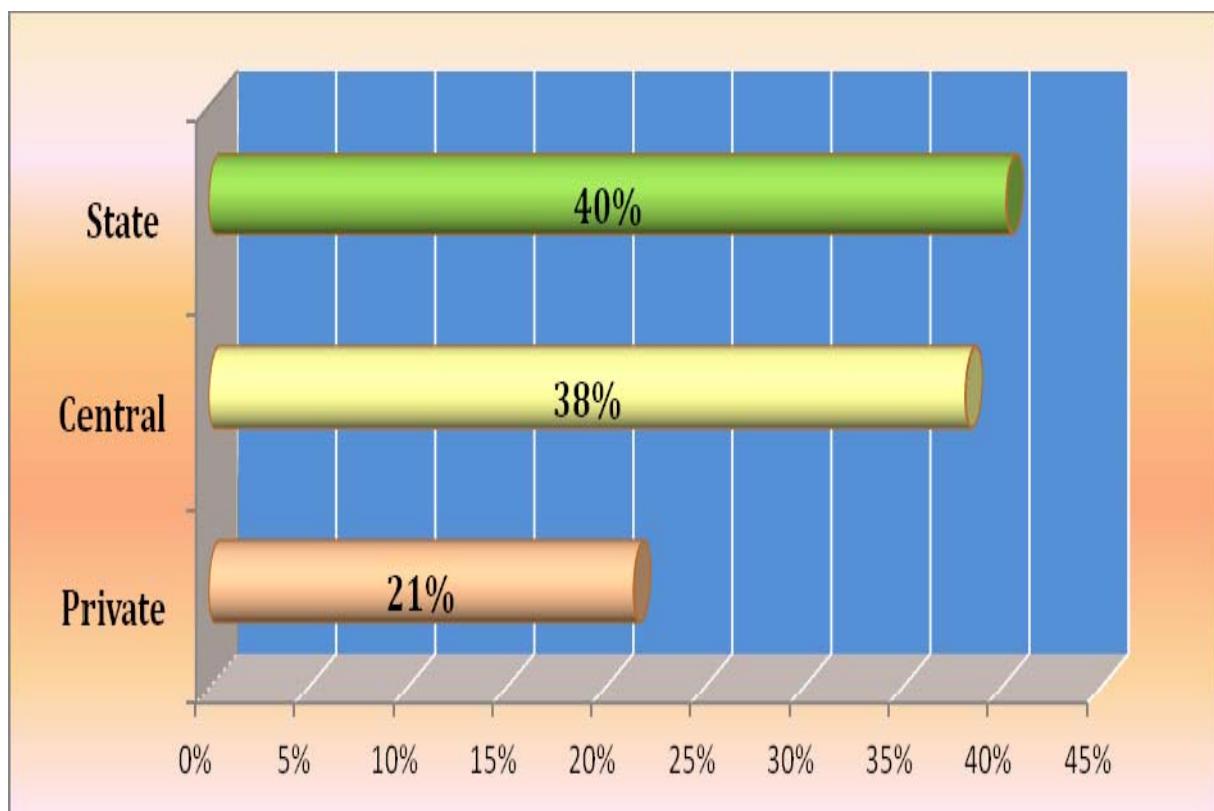


Figure 3.9 (ii)
Share of State/UT's in state sector generation in 2011-12

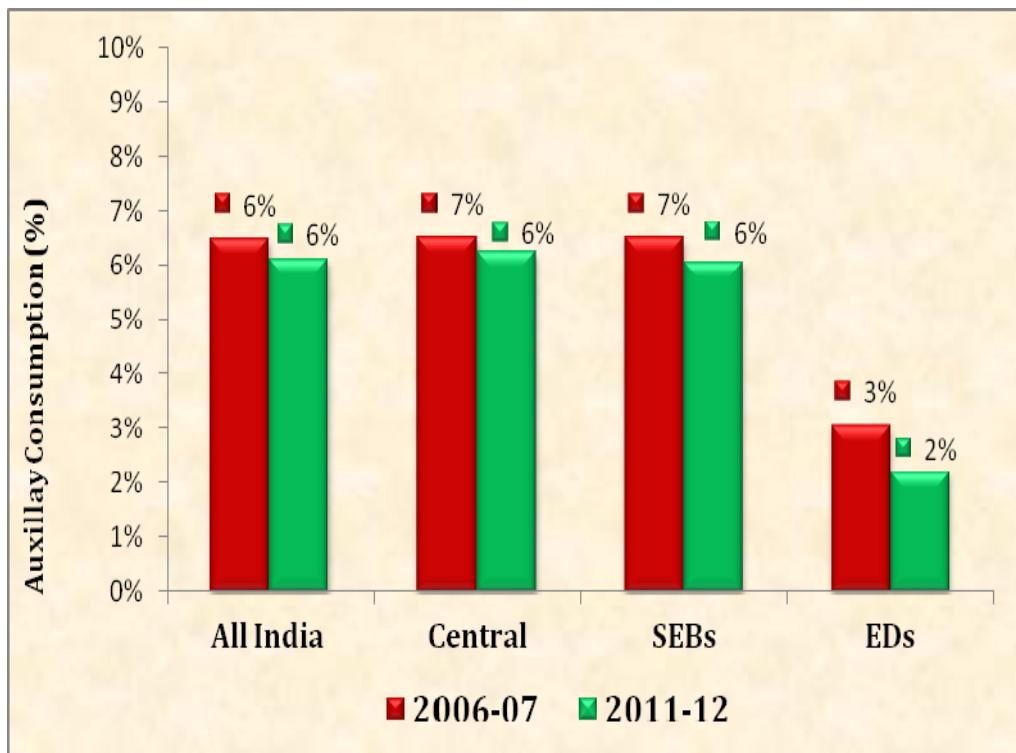


3.4 Auxiliary Consumption

The auxiliary consumption has reduced by 1 percent for the utilities of the State and the Central Sector Units during the period 2006-07 and 2011-12 (Figure 3.10).

Figure 3.10

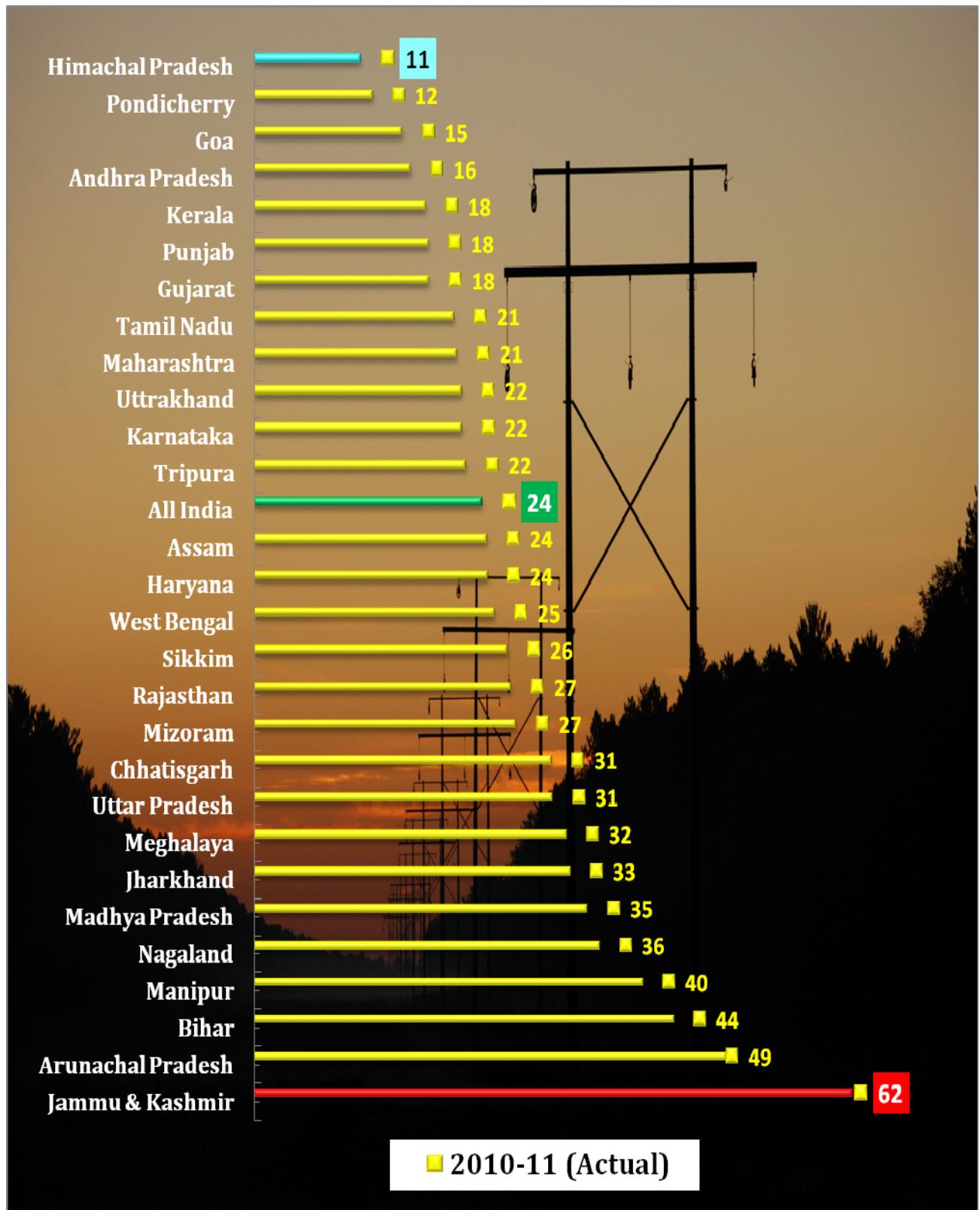
**Share of Auxiliary Consumption in Total Generation from
2006-07 to 2011-12 (%)**



3.5 T&D Losses

The T&D losses in India during 1995-96 were about 22 percent which has increased to about 23.7 percent by 2010-11. During 2010-11, the States which have relatively high T&D losses are Jammu & Kashmir (62%), Bihar (44%), Madhya Pradesh (35%), Jharkhand (33%), Uttar Pradesh and Chhattisgarh (31%). The States having relatively low T&D losses include Himachal Pradesh (11%), Andhra Pradesh (16%), Punjab (18%) and Tamil Nadu (21%). The T&D losses of the State Utilities are given at Figure 3.11.

Figure 3.11
T&D Losses across Different States and EDs in 2010-11(in percentage)

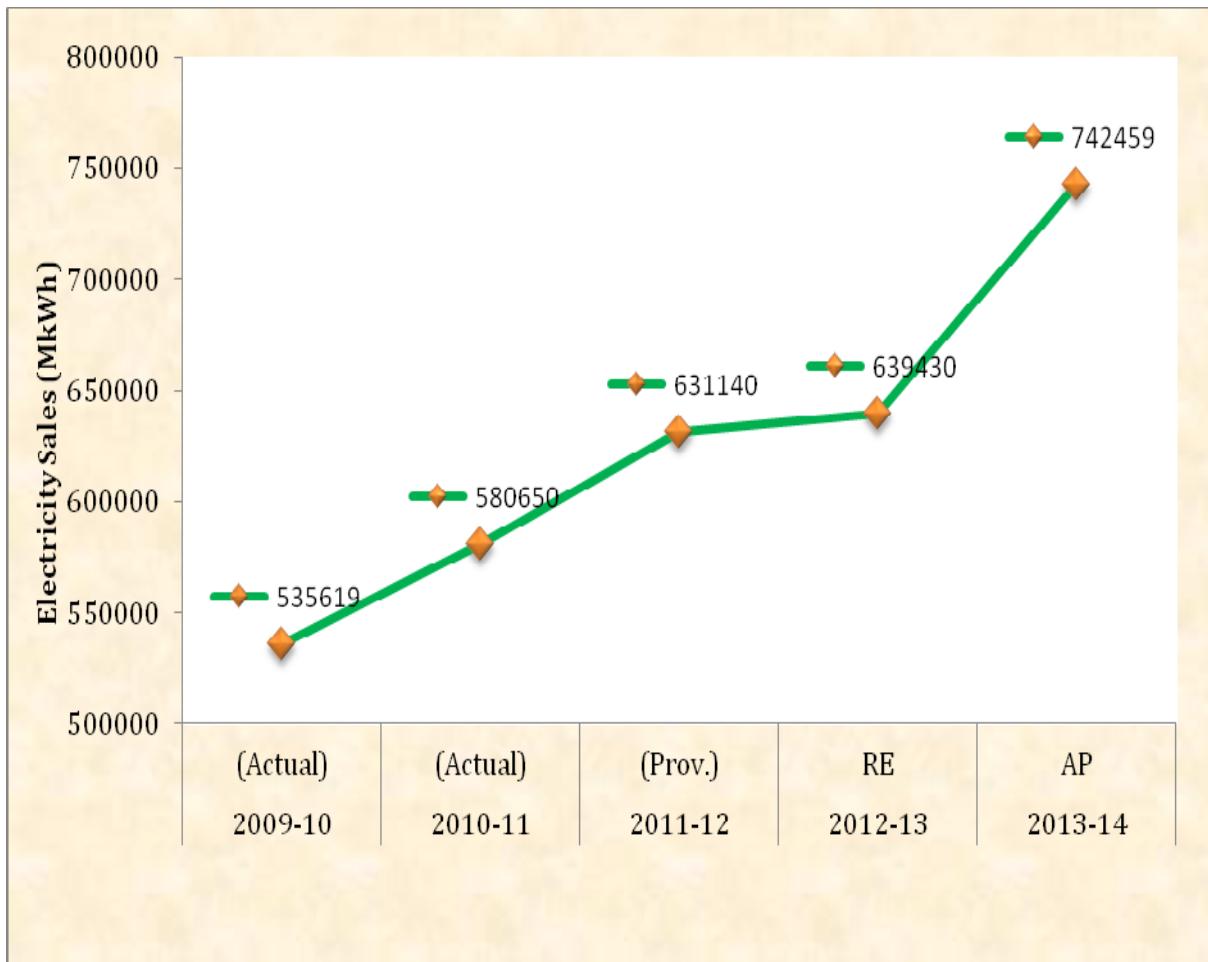


3.6 Electricity Sales

The sale of electricity which was about 213 billion units in 1992-93 has increased to 631 billion units by 2011-12. The projected sales are about 742 BU by 2013-14. This shows an average grown rate of 8.5 percent (Figure 3.12).

Figure 3.12

Total Electricity Sales (MkWh) from 2009-10 to 2013-14 (Annual Plan)



The sale of electricity in different sectors from 2009-10 to 2013-14(AP) is given in Figure 3.13. The percentage share of revenue earned from each sector during this period is given in Figure 3.14.

Figure 3.13
Sector-wise share in the total electricity sales in BU from
2009-10 to 2013-14

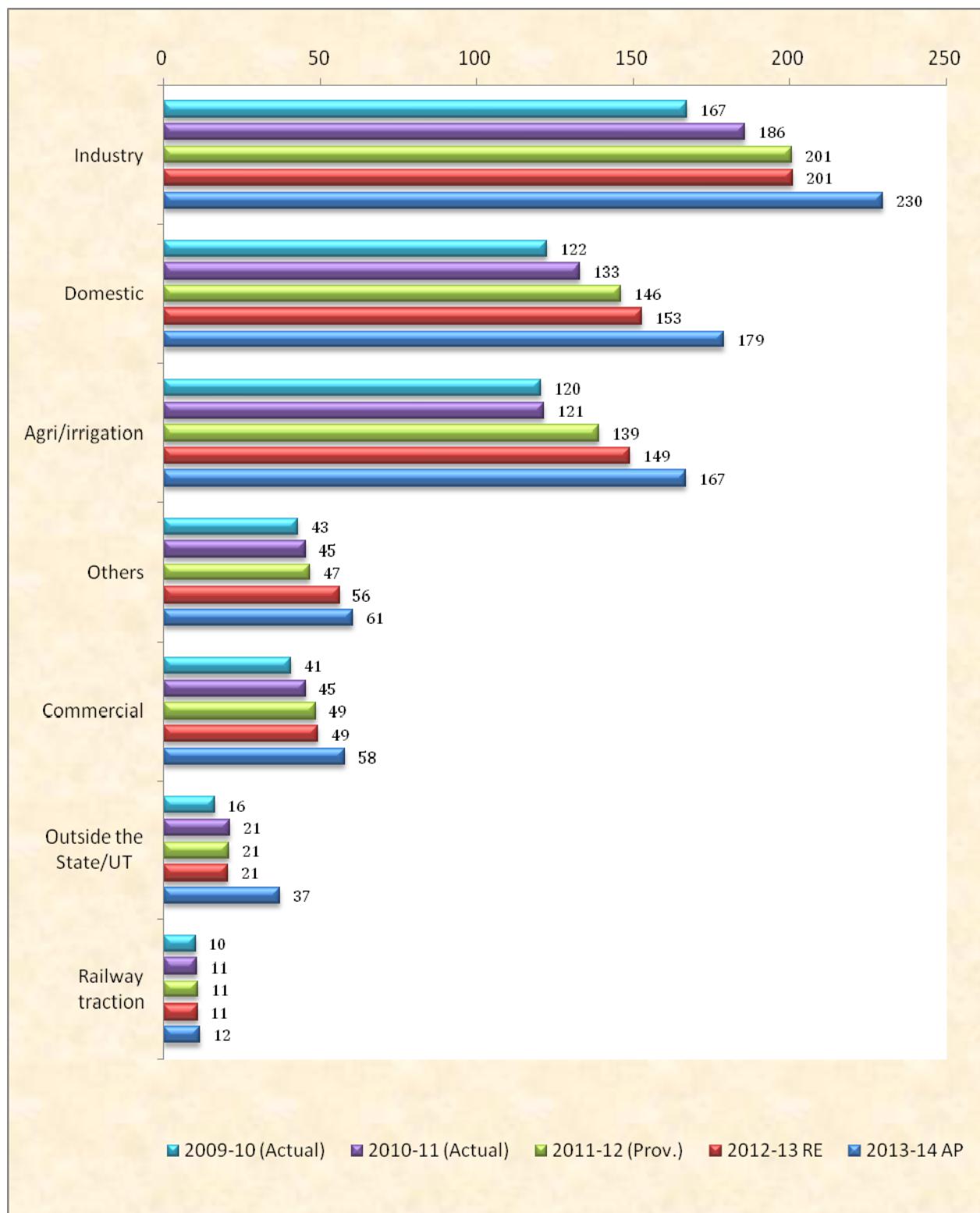
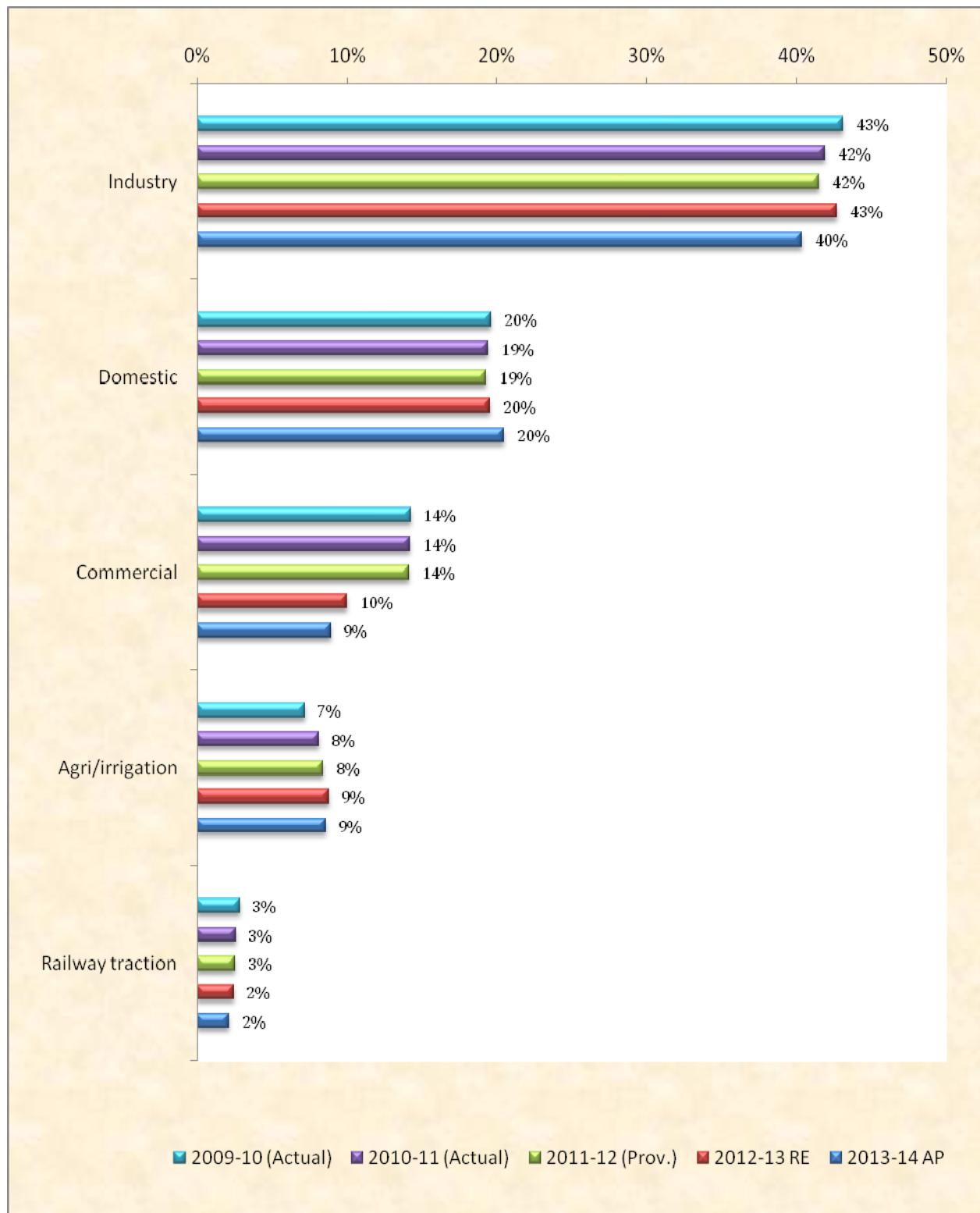


Figure 3.14
Sector-wise share in the total sales revenue in (%) from
2009-10 to 2013-14 (Annual Plan)

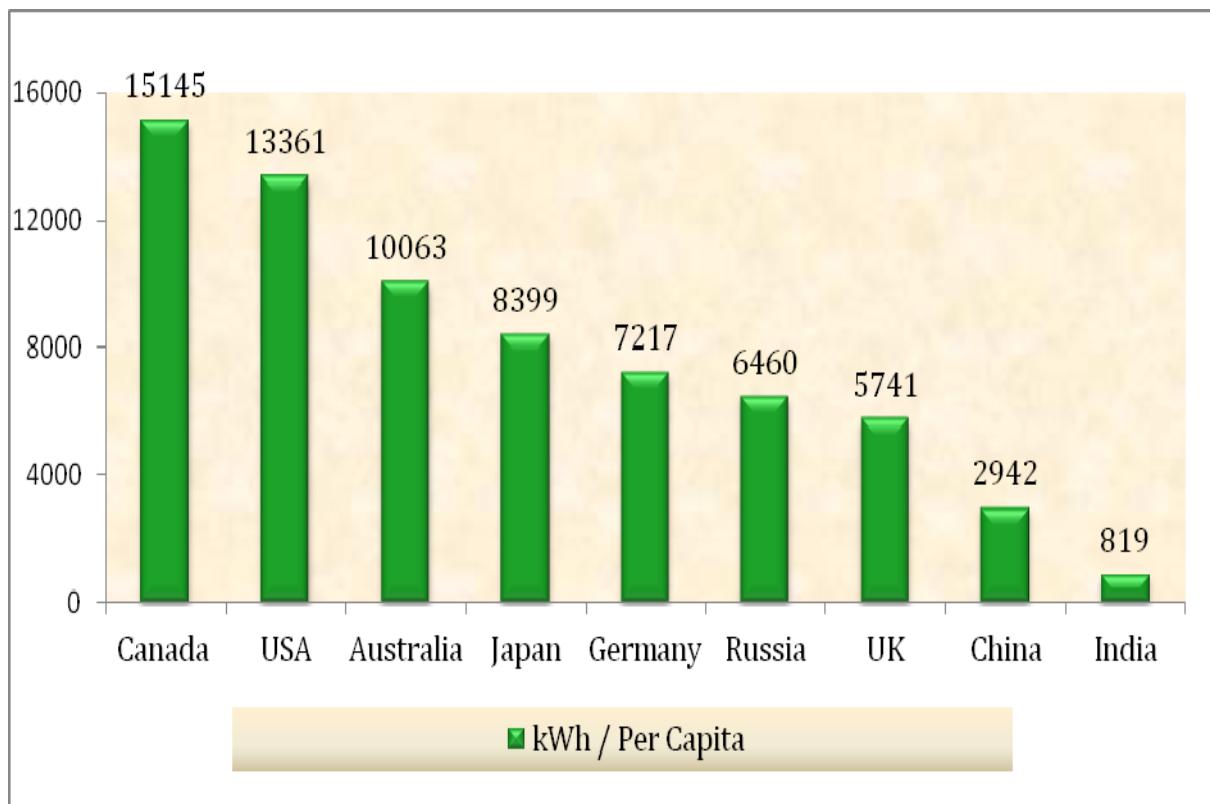


3.7 Per Capita Consumption

The per capita consumption of electricity in India was 355 units in 1999-2000 increased to 819 units in 2010-11, registering an average annual growth rate of 7.81 percent. Figure 3.15 below compares per capita consumption in India with select countries. Despite the higher population, China has higher per capita consumption compared to India.

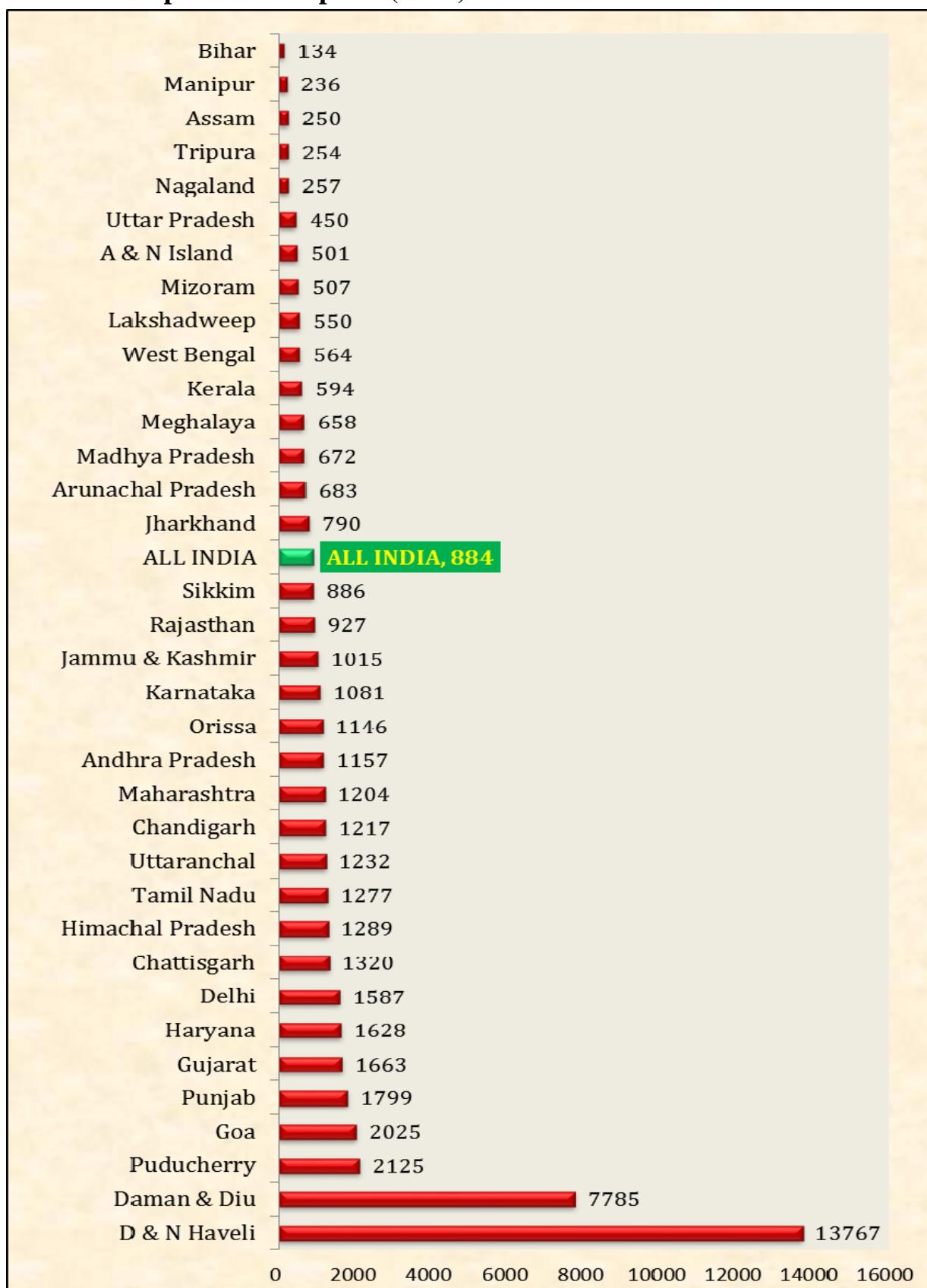
Figure 3.15

Per capita electricity (kWh/year) consumption for some selected countries for the year 2010



With India, there is a large inter-State variation in per capita consumption across States and Union Territories. The per capita consumption figures for each State in an ascending order for 2011-12 are given in Figure 3.16 -1.

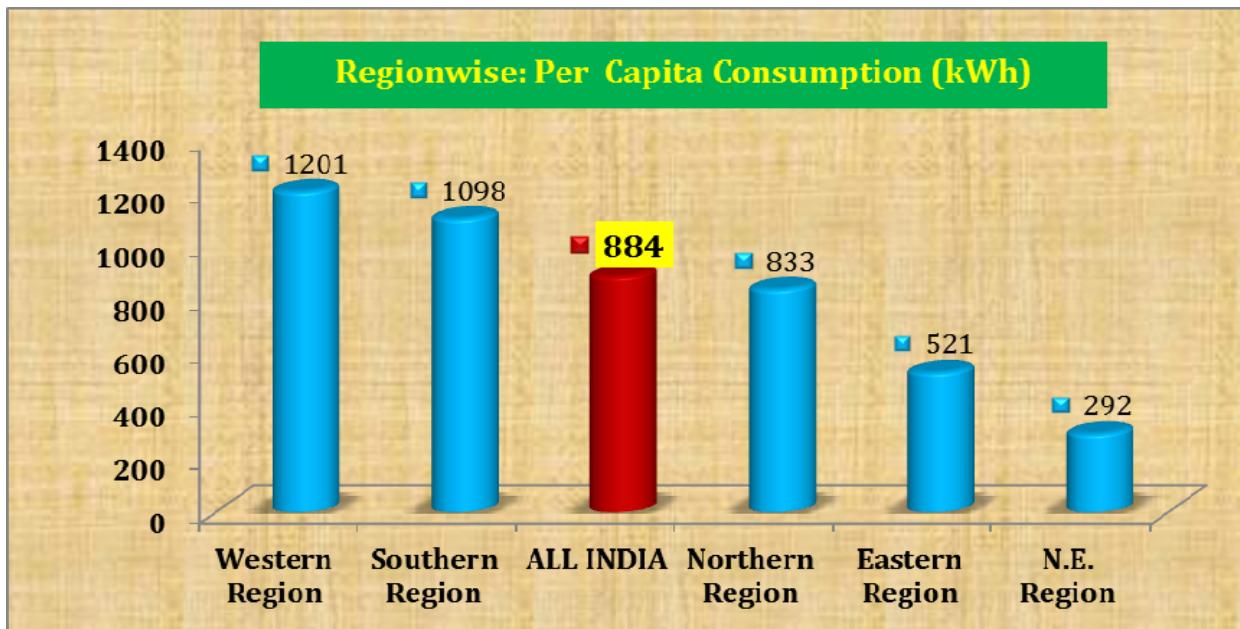
Figure 3.16-1
Per Capita Consumption (kWh) across states / U.T. for 2011-12



The per capita consumption of western region is highest among all regions and it is about 36% higher than the All India per capita consumption as shown in the graph below (Figure 3.16 -2).

Figure 3.16-2

Per Capita Consumption of Electricity (kWh) across Regions for 2011-12



3.8 Power Supply Position

The peak deficit was 13.8 percent and the energy deficit was about 9.6 percent at the end of the 10th Plan (i.e. in 2006-07). These deficits declined in the 11th Plan. Peak deficit declined to 10.6 percent whereas; the energy deficit was about 8.5 percent. This does not necessarily imply an improvement in the power supply position as this reported deficit does not cover the unscheduled load shedding resorted to by the Discoms among various states.

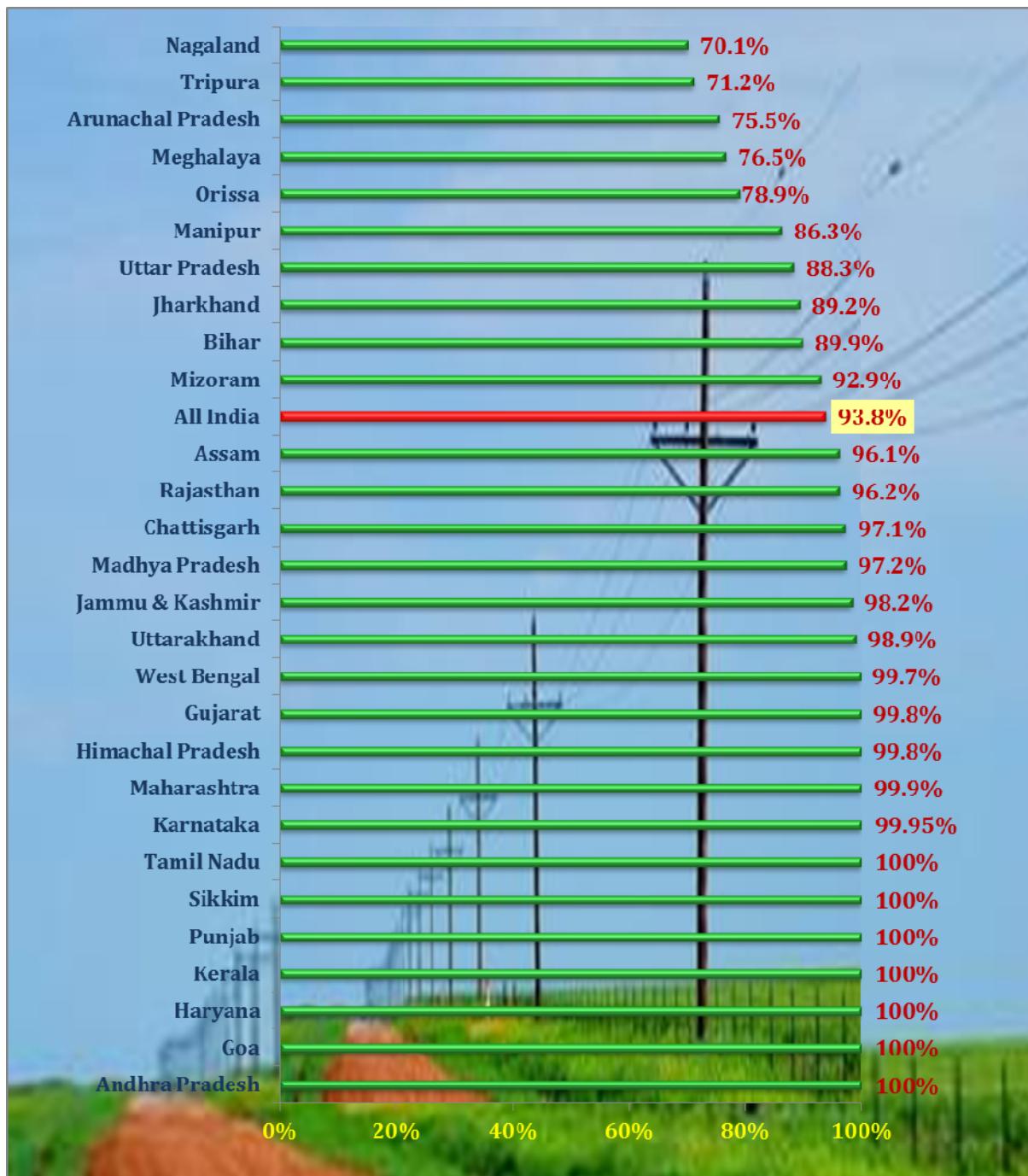
3.9 Rural Electrification

As per the new definition of village electrification, the electrification has been completed in 5.56 lakh villages which are 93.7 percent of the 5.93 lakh total villages identified in Census 2001. The States which have been declared as

completely electrified are Andhra Pradesh, Goa, Delhi, Haryana, Kerala, Sikkim, Punjab and Tamil Nadu. The extent of village electrification can be seen in the Figure 3.17:

Figure 3.17

Status of rural electrification: State-wise percentage of villages electrified on as of March 2012



INSTALLED CAPACITY (MW) As on 31st March. 2007

S.No.	State/EDs/Central Sector	Hydro	Thermal			Total Thermal	Nuclear	Renewables	Total
			Steam	Diesel	Gas				
<i>1. States</i>									
1	Andhra Pradesh	3586.4	3132.5	36.8	1875.7	5045.0	0.0	386.4	9017.8
	State Sector	3582.6	3132.5	0.0	272.3	3404.8	0.0	103.0	7090.4
	Private Sector	3.8	0.0	36.8	1603.4	1640.2	0.0	283.5	1927.4
2	Assam	102.0	330.0	20.7	269.0	619.7	0.0	0.1	721.8
	State Sector	102.0	330.0	20.7	244.5	595.2	0.0	0.1	697.3
	Private Sector	0.0	0.0	0.0	24.5	24.5	0.0	0.0	24.5
3	Bihar	44.9	553.5	0.0	0.0	553.5	0.0	5.5	603.9
	State Sector	44.9	553.5	0.0	0.0	553.5	0.0	5.5	603.9
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Chattisgarh	125.0	1530.0	0.0	0.0	1530.0	0.0	32.6	1687.6
	State Sector	125.0	1530.0	0.0	0.0	1530.0	0.0	13.1	1668.1
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	19.5	19.5
5	Delhi	0.0	320.0	0.0	612.4	932.4	0.0	0.0	932.4
	State Sector	0.0	320.0	0.0	612.4	932.4	0.0	0.0	932.4
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Gujarat	777.0	5069.0	17.5	1908.7	6995.2	0.0	408.3	8180.5
	State Sector	777.0	4429.0	17.3	478.7	4925.0	0.0	19.3	5721.3
	Private Sector	0.0	640.0	0.2	1430.0	2070.2	0.0	389.0	2459.2
7	Haryana	946.6	1602.5	3.9	0.0	1606.4	0.0	6.3	2559.4
	State Sector	946.6	1602.5	3.9	0.0	1606.4	0.0	0.3	2553.4
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
8	Himachal Pradesh	862.6	0.0	0.1	0.0	0.1	0.0	58.6	921.4
	State Sector	476.6	0.0	0.1	0.0	0.1	0.0	58.6	535.4
	Private Sector	386.0	0.0	0.0	0.0	0.0	0.0	0.0	386.0
9	Jharkhand	130.0	1620.0	0.0	0.0	1620.0	0.0	4.1	1754.1
	State Sector	130.0	1260.0	0.0	0.0	1260.0	0.0	4.1	1394.1
	Private Sector	0.0	360.0	0.0	0.0	360.0	0.0	0.0	360.0
10	Jammu & Kashmir	429.2	0.0	8.9	175.0	183.9	0.0	12.7	625.8
	State Sector	429.2	0.0	8.9	175.0	183.9	0.0	12.7	625.8
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Karnataka	3427.9	1730.0	234.4	220.0	2184.4	0.0	1172.0	6784.4
	State Sector	3376.2	1470.0	127.9	0.0	1597.9	0.0	365.0	5339.1
	Private Sector	51.7	260.0	106.5	220.0	586.5	0.0	807.1	1445.3
12	Kerala	1821.6	0.0	256.4	174.0	430.4	0.0	61.6	2313.7
	State Sector	1821.6	0.0	234.6	0.0	234.6	0.0	61.6	2117.8
	Private Sector	0.0	0.0	21.8	174.0	195.8	0.0	0.0	195.9
13	Madhya Pradesh	1738.2	2157.5	0.0	0.0	2157.5	0.0	76.3	3971.9
	State Sector	1724.7	2157.5	0.0	0.0	2157.5	0.0	17.3	3899.4
	Private Sector	13.5	0.0	0.0	0.0	0.0	0.0	59.0	72.5
14	Maharashtra	3278.7	8325.0	0.0	1092.0	9417.0	0.0	1357.6	14053.3
	State Sector	2831.7	6675.0	0.0	912.0	7587.0	0.0	19.9	10438.6
	Private Sector	447.0	1650.0	0.0	180.0	1830.0	0.0	1337.7	3614.7
15	Meghalaya	185.5	0.0	2.1	0.0	2.1	0.0	1.5	189.1
	State Sector	185.5	0.0	2.1	0.0	2.1	0.0	1.5	189.1
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	Orissa	1923.9	420.0	0.0	0.0	420.0	0.0	1.3	2345.2
	State Sector	1923.9	420.0	0.0	0.0	420.0	0.0	1.3	2345.2
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	Punjab	2327.1	2130.0	0.0	0.0	2130.0	0.0	135.4	4592.5
	State Sector	2322.9	2130.0	0.0	0.0	2130.0	0.0	111.4	4564.3
	Private Sector	4.2	0.0	0.0	0.0	0.0	0.0	24.0	28.2
18	Rajasthan	1008.8	2545.0	0.0	223.8	2768.8	0.0	467.5	4245.1
	State Sector	1008.8	2545.0	0.0	223.8	2768.8	0.0	10.5	3788.1
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	457.0	457.0

19	Tamil Nadu	2175.9	3220.0	411.7	934.1	4565.8	0.0	3351.5	10093.1
	State Sector	2175.9	2970.0	0.0	431.0	3401.0	0.0	27.9	5604.8
	Private Sector	0.0	250.0	411.7	503.1	1164.8	0.0	3323.6	4488.3
20	Uttar Pradesh	541.1	4380.0	0.0	0.0	4380.0	0.0	89.9	5011.0
	State Sector	541.1	4380.0	0.0	0.0	4380.0	0.0	11.4	4932.5
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	78.5	78.5
21	Uttarakhand	1386.9	0.0	0.0	0.0	0.0	0.0	43.1	1430.0
	State Sector	986.9	0.0	0.0	0.0	0.0	0.0	43.1	1030.0
	Private Sector	400.0	0.0	0.0	0.0	0.0	0.0	0.0	400.0
22	West Bengal	161.7	4296.4	12.2	100.0	4408.6	0.0	28.8	4599.1
	State Sector	161.7	3215.0	12.1	100.0	3327.1	0.0	28.6	3517.4
	Private Sector	0.0	1081.4	0.1	0.0	1081.5	0.0	0.2	1081.7

II.EDs

1	A&N Islands	5.3	0.0	60.1	0.0	60.1	0.0	5.3	70.6
	UT's own	5.3	0.0	40.1	0.0	40.1	0.0	5.3	50.6
	Private Sector	0.0	0.0	20.0	0.0	20.0	0.0	0.0	20.0
2	Arunachal Pradesh	26.5	0.0	15.9	0.0	15.9	0.0	26.7	69.1
3	Chandigarh	0.0	0.0	2.0	0.0	2.0	0.0	0.0	2.0
4	D&N Haveli & Daman & Diu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Goa	0.0	0.0	0.0	48.0	48.0	0.0	0.1	48.1
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	Private Sector	0.0	0.0	0.0	48.0	48.0	0.0	0.0	48.0
6	Lakshadweep	0.0	0.0	10.0	0.0	10.0	0.0	0.0	10.0
7	Manipur	1.5	0.0	45.4	0.0	45.4	0.0	4.0	50.9
8	Mizoram	4.1	0.0	51.9	0.0	51.9	0.0	13.4	69.3
9	Nagaland	25.5	0.0	2.0	0.0	2.0	0.0	3.2	30.7
10	Puducerry	0.0	0.0	0.0	32.5	32.5	0.0	0.0	32.5
11	Sikkim	32.0	0.0	5.0	0.0	5.0	0.0	7.1	44.1
12	Tripura	16.0	0.0	4.9	127.5	132.4	0.0	0.0	148.4

Central Sector

1	DVC	144.0	2850.0	0.0	90.0	2940.0	0.0	0.0	3084.0
2	HP-NJPC JV	1500.0	0.0	0.0	0.0	0.0	0.0	0.0	1500.0
3	NEEPCO	755.0	0.0	0.0	375.0	375.0	0.0	0.0	1130.0
4	NLC	0.0	2490.0	0.0	0.0	2490.0	0.0	0.0	2490.0
5	NHDC	1000.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
6	NHPC	3163.0	0.0	0.0	0.0	0.0	0.0	0.0	3163.0
7	NTPC	0.0	22420.0	0.0	4694.0	27114.0	0.0	0.0	27114.0
8	NPCIL	0.0	0.0	0.0	0.0	0.0	3900.0	0.0	3900.0
9	NTPC+ ONGC	0.0	0.0	0.0	740.0	740.0	0.0	0.0	740.0
10	THDC	1000.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Total Central Sector	7562.0	27760.0	0.0	5899.0	33659.0	3900.0	0.0	45121.0
Total State Sector	25785.6	39120.0	604.6	3609.7	43334.3	0.0	975.7	70095.6
Total Private Sector	1306.2	4241.4	597.1	4183.0	9021.5	0.0	6785.0	17112.6
Total All India	34653.8	71121.4	1201.8	13691.7	86014.8	3900.0	7760.6	132329.2

INSTALLED CAPACITY (MW) As on 31st March. 2008

S.No.	State/EDs/Central Sector	Hydro	Thermal			Total Thermal	Nuclear	Renewables	Total
			Steam	Diesel	Gas				
<i>I. States</i>									
1	Andhra Pradesh	3533.9	3342.5	36.8	1875.7	5255.0	0.0	663.1	9452.0
	State Sector	3533.9	3342.5	0.0	272.3	3614.8	0.0	186.0	7334.7
	Private Sector	0.0	0.0	36.8	1603.4	1640.2	0.0	477.1	2117.3
2	Assam	100.0	60.0	20.7	263.5	344.2	0.0	2.1	446.3
	State Sector	100.0	60.0	20.7	239.0	319.7	0.0	2.1	421.8
	Private Sector	0.0	0.0	0.0	24.5	24.5	0.0	0.0	24.5
3	Bihar	0.0	540.0	0.0	0.0	540.0	0.0	50.4	590.4
	State Sector	0.0	540.0	0.0	0.0	540.0	0.0	50.4	590.4
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Chattisgarh	120.0	2530.0	0.0	0.0	2530.0	0.0	164.4	2814.4
	State Sector	120.0	1780.0	0.0	0.0	1780.0	0.0	18.1	1918.1
	Private Sector	0.0	750.0	0.0	0.0	750.0	0.0	146.3	896.3
5	Delhi	0.0	320.0	0.0	612.4	932.4	0.0	0.0	932.4
	State Sector	0.0	320.0	0.0	612.4	932.4	0.0	0.0	932.4
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Gujarat	772.0	4755.0	17.5	1948.7	6721.2	0.0	858.1	8351.3
	State Sector	772.0	4115.0	17.3	518.7	4651.0	0.0	24.3	5447.3
	Private Sector	0.0	640.0	0.2	1430.0	2070.2	0.0	833.8	2904.0
7	Haryana	884.2	2202.5	3.9	0.0	2206.4	0.0	68.7	3159.4
	State Sector	884.2	2202.5	3.9	0.0	2206.4	0.0	62.7	3153.4
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
8	Himachal Pradesh	779.6	0.0	0.1	0.0	0.1	0.0	146.6	926.4
	State Sector	393.6	0.0	0.1	0.0	0.1	0.0	146.6	540.4
	Private Sector	386.0	0.0	0.0	0.0	0.0	0.0	0.0	386.0
9	Jharkhand	130.0	1620.0	0.0	0.0	1620.0	0.0	4.1	1754.1
	State Sector	130.0	1260.0	0.0	0.0	1260.0	0.0	4.1	1394.1
	Private Sector	0.0	360.0	0.0	0.0	360.0	0.0	0.0	360.0
10	Jammu & Kashmir	330.0	0.0	8.9	175.0	183.9	0.0	111.8	625.8
	State Sector	330.0	0.0	8.9	175.0	183.9	0.0	111.8	625.8
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Karnataka	3300.8	2230.0	234.4	220.0	2684.4	0.0	1640.7	7626.0
	State Sector	3300.8	1470.0	127.9	0.0	1597.9	0.0	471.5	5370.2
	Private Sector	0.0	760.0	106.5	220.0	1086.5	0.0	1169.2	2255.7
12	Kerala	1756.5	0.0	256.4	174.0	430.4	0.0	100.1	2287.1
	State Sector	1756.5	0.0	234.6	0.0	234.6	0.0	100.1	2091.2
	Private Sector	0.0	0.0	21.8	174.0	195.8	0.0	0.0	195.9
13	Madhya Pradesh	1703.7	2657.5	0.0	0.0	2657.5	0.0	122.8	4484.0
	State Sector	1703.7	2657.5	0.0	0.0	2657.5	0.0	51.8	4412.9
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	71.1	71.1
14	Maharashtra	3082.8	8450.0	0.0	1092.0	9542.0	0.0	1955.6	14580.5
	State Sector	2638.8	6800.0	0.0	912.0	7712.0	0.0	219.7	10570.6
	Private Sector	444.0	1650.0	0.0	180.0	1830.0	0.0	1735.9	4009.9
15	Meghalaya	156.0	0.0	2.1	0.0	2.1	0.0	31.0	189.1
	State Sector	156.0	0.0	2.1	0.0	2.1	0.0	31.0	189.1
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	Orissa	2067.9	420.0	0.0	0.0	420.0	0.0	10.5	2498.4
	State Sector	2067.9	420.0	0.0	0.0	420.0	0.0	7.3	2495.2
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
17	Punjab	2319.8	2380.0	0.0	0.0	2380.0	0.0	161.5	4861.3
	State Sector	2319.8	2380.0	0.0	0.0	2380.0	0.0	123.9	4823.7
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	37.6	37.6
18	Rajasthan	987.8	2545.0	0.0	443.8	2988.8	0.0	543.0	4519.6
	State Sector	987.8	2545.0	0.0	443.8	2988.8	0.0	30.3	4006.9
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	512.8	512.8

19	Tamil Nadu	2094.0	3220.0	411.7	934.1	4565.8	0.0	3946.5	10606.2
	State Sector	2094.0	2970.0	0.0	431.0	3401.0	0.0	110.2	5605.2
	Private Sector	0.0	250.0	411.7	503.1	1164.8	0.0	3836.3	5001.1
20	Uttar Pradesh	523.5	4380.0	0.0	0.0	4380.0	0.0	174.0	5077.5
	State Sector	523.5	4380.0	0.0	0.0	4380.0	0.0	25.1	4928.6
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	148.9	148.9
21	Uttarakhand	1652.2	0.0	0.0	0.0	0.0	0.0	82.7	1734.8
	State Sector	1252.2	0.0	0.0	0.0	0.0	0.0	82.6	1334.8
	Private Sector	400.0	0.0	0.0	0.0	0.0	0.0	0.1	400.1
22	West Bengal	1022.0	5356.4	12.2	100.0	5468.6	0.0	99.6	6590.1
	State Sector	1022.0	4275.0	12.1	100.0	4387.1	0.0	99.5	5508.6
	Private Sector	0.0	1081.4	0.1	0.0	1081.5	0.0	0.1	1081.6

II.EDs

1	A&N Islands	0.0	0.0	60.1	0.0	60.1	0.0	5.4	65.4
	UT's own	0.0	0.0	40.1	0.0	40.1	0.0	5.3	45.3
	Private Sector	0.0	0.0	20.0	0.0	20.0	0.0	0.1	20.1
2	Arunachal Pradesh	0.0	0.0	15.9	0.0	15.9	0.0	45.2	61.1
3	Chandigarh	0.0	0.0	2.0	0.0	2.0	0.0	0.0	2.0
4	D&N Haveli & Daman & Diu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Goa	0.0	0.0	0.0	48.0	48.0	0.0	30.1	78.1
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	Private Sector	0.0	0.0	0.0	48.0	48.0	0.0	30.0	78.0
6	Lakshadweep	0.0	0.0	10.0	0.0	10.0	0.0	0.8	10.7
7	Manipur	0.0	0.0	45.4	0.0	45.4	0.0	5.5	50.9
8	Mizoram	0.0	0.0	51.9	0.0	51.9	0.0	17.5	69.3
9	Nagaland	0.0	0.0	2.0	0.0	2.0	0.0	28.7	30.7
10	Puducerry	0.0	0.0	0.0	32.5	32.5	0.0	0.0	32.5
11	Sikkim	0.0	0.0	5.0	0.0	5.0	0.0	39.1	44.1
12	Tripura	0.0	0.0	4.9	127.5	132.4	0.0	16.0	148.4

Central Sector

1	DVC	144.0	3100.0	0.0	90.0	3190.0	0.0	0.0	3334.0
2	HP-NJPC JV	1500.0	0.0	0.0	0.0	0.0	0.0	0.0	1500.0
3	NEEPCO	755.0	0.0	0.0	375.0	375.0	0.0	0.0	1130.0
4	NLC	0.0	2490.0	0.0	0.0	2490.0	0.0	0.0	2490.0
5	NHDC	1520.0	0.0	0.0	0.0	0.0	0.0	0.0	1520.0
6	NHPC	3673.0	0.0	0.0	0.0	0.0	0.0	0.0	3673.0
7	NTPC	0.0	23420.0	0.0	3954.0	27374.0	0.0	0.0	27374.0
8	NPCIL	0.0	0.0	0.0	0.0	0.0	4120.0	0.0	4120.0
9	NTPC+ ONGC	0.0	0.0	0.0	2220.0	2220.0	0.0	0.0	2220.0
10	THDC	1000.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Total Central Sector	8592.0	29010.0	0.0	6639.0	35649.0	4120.0	0.0	48361.0
Total State Sector	26086.8	41517.5	604.6	3864.2	45986.3	0.0	2117.1	74190.2
Total Private Sector	1230.0	5491.4	597.1	4183.0	10271.5	0.0	9008.3	20509.9
Total All India	35908.8	76018.9	1201.8	14686.2	91906.9	4120.0	11125.4	143061.0

INSTALLED CAPACITY (MW) As on 31st March, 2009

S.No.	State/EDs/Central	Sector	Hydro	Thermal			Total Thermal	Nuclear	Renewables	Total
				Steam	Diesel	Gas				
I. States										
1	Andhra Pradesh		3572.9	3342.5	36.8	1603.4	4982.7	0.0	668.7	9224.3
	State Sector		3572.9	3342.5	0.0	0.0	3342.5	0.0	182.4	7097.9
	Private Sector		0.0	0.0	36.8	1603.4	1640.2	0.0	486.2	2126.4
2	Assam		100.0	60.0	20.7	263.5	344.2	0.0	27.1	471.3
	State Sector		100.0	60.0	20.7	239.0	319.7	0.0	27.1	446.8
	Private Sector		0.0	0.0	0.0	24.5	24.5	0.0	0.0	24.5
3	Bihar		0.0	540.0	0.0	0.0	540.0	0.0	50.4	590.4
	State Sector		0.0	540.0	0.0	0.0	540.0	0.0	50.4	590.4
	Private Sector		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Chattisgarh		120.0	2780.0	0.0	0.0	2780.0	0.0	174.2	3074.2
	State Sector		120.0	1780.0	0.0	0.0	1780.0	0.0	18.1	1918.1
	Private Sector		0.0	1000.0	0.0	0.0	1000.0	0.0	156.1	1156.1
5	Delhi		0.0	320.0	0.0	600.4	920.4	0.0	0.0	920.4
	State Sector		0.0	320.0	0.0	600.4	920.4	0.0	0.0	920.4
	Private Sector		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Gujarat		772.0	4755.0	17.5	2331.2	7103.7	0.0	1397.5	9273.2
	State Sector		772.0	4115.0	17.3	518.7	4651.0	0.0	24.3	5447.3
	Private Sector		0.0	640.0	0.2	1812.5	2452.7	0.0	1373.2	3825.9
7	Haryana		884.2	2142.5	3.9	0.0	2146.4	0.0	68.7	3099.4
	State Sector		884.2	2142.5	3.9	0.0	2146.4	0.0	62.7	3093.4
	Private Sector		0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
8	Himachal Pradesh		779.6	0.0	0.1	0.0	0.1	0.0	185.1	964.8
	State Sector		393.6	0.0	0.1	0.0	0.1	0.0	185.1	578.8
	Private Sector		386.0	0.0	0.0	0.0	0.0	0.0	0.0	386.0
9	Jharkhand		130.0	1620.0	0.0	0.0	1620.0	0.0	4.1	1754.1
	State Sector		130.0	1260.0	0.0	0.0	1260.0	0.0	4.1	1394.1
	Private Sector		0.0	360.0	0.0	0.0	360.0	0.0	0.0	360.0
10	Jammu & Kashmir		780.0	0.0	8.9	175.0	183.9	0.0	111.8	1075.8
	State Sector		780.0	0.0	8.9	175.0	183.9	0.0	111.8	1075.8
	Private Sector		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Karnataka		3530.8	2230.0	234.4	220.0	2684.4	0.0	1880.5	8095.8
	State Sector		3530.8	1970.0	127.9	0.0	2097.9	0.0	452.4	6081.1
	Private Sector		0.0	260.0	106.5	220.0	586.5	0.0	1428.1	2014.6
12	Kerala		1756.5	0.0	256.4	174.0	430.4	0.0	119.0	2306.0
	State Sector		1756.5	0.0	234.6	0.0	234.6	0.0	119.0	2110.1
	Private Sector		0.0	0.0	21.8	174.0	195.8	0.0	0.0	195.9
13	Madhya Pradesh		1703.7	2807.5	0.0	0.0	2807.5	0.0	262.7	4773.9
	State Sector		1703.7	2807.5	0.0	0.0	2807.5	0.0	71.8	4582.9
	Private Sector		0.0	0.0	0.0	0.0	0.0	0.0	191.0	191.0
14	Maharashtra		3332.8	8700.0	0.0	1092.0	9792.0	0.0	2159.2	15284.1
	State Sector		2888.8	6800.0	0.0	912.0	7712.0	0.0	216.7	10817.6
	Private Sector		444.0	1900.0	0.0	180.0	2080.0	0.0	1942.5	4466.5
15	Meghalaya		156.0	0.0	2.1	0.0	2.1	0.0	31.0	189.1
	State Sector		156.0	0.0	2.1	0.0	2.1	0.0	31.0	189.1
	Private Sector		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	Orissa		2067.9	420.0	0.0	0.0	420.0	0.0	32.3	2520.2
	State Sector		2067.9	420.0	0.0	0.0	420.0	0.0	32.3	2520.2
	Private Sector		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	Punjab		2319.8	2630.0	0.0	0.0	2630.0	0.0	161.5	5111.3
	State Sector		2319.8	2630.0	0.0	0.0	2630.0	0.0	123.9	5073.7
	Private Sector		0.0	0.0	0.0	0.0	0.0	0.0	37.6	37.6
18	Rajasthan		987.8	2545.0	0.0	443.8	2988.8	0.0	726.3	4702.9
	State Sector		987.8	2545.0	0.0	443.8	2988.8	0.0	30.3	4006.9
	Private Sector		0.0	0.0	0.0	0.0	0.0	0.0	696.1	696.1

INSTALLED CAPACITY (MW) As on 31st March, 2009

S.No.	State/EDs/Central	Sector	Hydro	Thermal			Total Thermal	Nuclear	Renewables	Total
				Steam	Diesel	Gas				
<i>Annexure 3.3 (Contd.)</i>										
19	Tamil Nadu		2094.0	3220.0	411.7	1026.3	4658.0	0.0	4379.6	11131.6
	State Sector		2094.0	2970.0	0.0	523.2	3493.2	0.0	110.6	5697.7
	Private Sector		0.0	250.0	411.7	503.1	1164.8	0.0	4269.1	5433.9
20	Uttar Pradesh		523.5	4120.0	0.0	0.0	4120.0	0.0	403.0	5046.5
	State Sector		523.5	4120.0	0.0	0.0	4120.0	0.0	25.1	4668.6
	Private Sector		0.0	0.0	0.0	0.0	0.0	0.0	377.9	377.9
21	Uttarakhand		1652.2	0.0	0.0	0.0	0.0	0.0	110.0	1762.1
	State Sector		1252.2	0.0	0.0	0.0	0.0	0.0	109.9	1362.1
	Private Sector		400.0	0.0	0.0	0.0	0.0	0.0	0.1	400.1
22	West Bengal		1022.0	5656.4	12.2	100.0	5768.6	0.0	99.6	6890.1
	State Sector		1022.0	4575.0	12.2	100.0	4687.1	0.0	99.5	5808.6
	Private Sector		0.0	1081.4	0.1	0.0	1081.5	0.0	0.1	1081.6

II.EDs

1	A&N Islands	0.0	0.0	60.1	0.0	60.1	0.0	5.4	65.4
	UT Own	0.0	0.0	40.1	0.0	40.1	0.0	5.3	45.3
	Private Sector	0.0	0.0	20.0	0.0	20.0	0.0	0.1	20.1
2	Arunachal Pradesh	0.0	0.0	15.9	0.0	15.9	0.0	45.3	61.1
	State Sector	0.0	0.0	15.9	0.0	15.9	0.0	45.2	61.1
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Chandigarh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D&N Haveli & Daman & DIU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Goa	0.0	0.0	0.0	48.0	48.0	0.0	30.1	78.1
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	Private Sector	0.0	0.0	0.0	48.0	48.0	0.0	30.0	78.0
6	Lakshadweep	0.0	0.0	10.0	0.0	10.0	0.0	0.8	10.7
	UT Own	0.0	0.0	10.0	0.0	10.0	0.0	0.0	10.0
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
7	Manipur	0.0	0.0	45.4	0.0	45.4	0.0	5.5	50.9
8	Mizoram	0.0	0.0	51.9	0.0	51.9	0.0	17.5	69.3
9	Nagaland	0.0	0.0	2.0	0.0	2.0	0.0	28.7	30.7
10	Puducerry	0.0	0.0	0.0	32.5	32.5	0.0	0.0	32.5
	UT Own	0.0	0.0	0.0	32.5	32.5	0.0	0.0	32.5
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Sikkim	0.0	0.0	5.0	0.0	5.0	0.0	41.1	46.1
12	Tripura	0.0	0.0	4.9	127.5	132.4	0.0	16.0	148.4

Central Sector

1	DVC	144.0	3100.0	0.0	90.0	3190.0	0.0	0.0	0.0	3334.0
2	HP-NJPC JV	1500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1500.0
3	NEEPCO	755.0	0.0	0.0	375.0	375.0	0.0	0.0	0.0	1130.0
4	NLC	0.0	2490.0	0.0	0.0	2490.0	0.0	0.0	0.0	2490.0
5	NHDC	1520.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1520.0
6	NHPC	3673.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3673.0
7	NTPC	0.0	24170.0	0.0	3954.0	28124.0	0.0	0.0	0.0	28124.0
8	NPCIL	0.0	0.0	0.0	0.0	0.0	4120.0	0.0	0.0	4120.0
9	NTPC+ONGC	0.0	0.0	0.0	2220.0	2220.0	0.0	0.0	0.0	2220.0
10	THDC	1000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
Total Central Sector		8592.0	29760.0	0.0	6639.0	36399.0	4120.0	0.0	49111.0	
Total State Sector		27055.8	42397.5	602.6	3672.1	46672.2	0.0	2247.7	75975.7	
Total Private Sector		1230.0	5491.4	597.1	4565.5	10654.0	0.0	10994.7	22878.8	
Total All India		36877.8	77648.9	1199.8	14876.6	93725.3	4120.0	13242.4	147965.4	

INSTALLED CAPACITY (MW) As on 31st March, 2010

S.No.	State/EDs/Central Sector	Hydro	Thermal			Total Thermal	Nuclear	Renewables	Total
			Steam	Diesel	Gas				
I. States									
1	Andhra Pradesh	3617.5	3882.5	36.8	2580.4	6499.7	0.0	700.5	10817.7
	State Sector	3617.5	3882.5	0.0	0.0	3882.5	0.0	188.4	7688.5
	Private Sector	0.0	0.0	36.8	2580.4	2617.2	0.0	512.1	3129.3
2	Assam	100.0	60.0	20.7	263.5	344.2	0.0	27.1	471.3
	State Sector	100.0	60.0	20.7	239.0	319.7	0.0	27.1	446.8
	Private Sector	0.0	0.0	0.0	24.5	24.5	0.0	0.0	24.5
3	Bihar	0.0	530.0	0.0	0.0	530.0	0.0	54.6	584.6
	State Sector	0.0	530.0	0.0	0.0	530.0	0.0	54.6	584.6
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Chattisgarh	120.0	3660.0	0.0	0.0	3660.0	0.0	219.0	3999.0
	State Sector	120.0	2060.0	0.0	0.0	2060.0	0.0	19.1	2199.1
	Private Sector	0.0	1600.0	0.0	0.0	1600.0	0.0	199.9	1799.9
5	Delhi	0.0	135.0	0.0	600.4	735.4	0.0	0.0	735.4
	State Sector	0.0	135.0	0.0	600.4	735.4	0.0	0.0	735.4
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Gujarat	772.0	5500.0	17.5	3470.2	8987.7	0.0	1655.9	11415.6
	State Sector	772.0	4190.0	17.3	892.7	5100.0	0.0	29.9	5901.9
	Private Sector	0.0	1310.0	0.2	2577.5	3887.7	0.0	1626.0	5513.7
7	Haryana	884.5	2615.0	3.9	0.0	2618.9	0.0	76.5	3579.9
	State Sector	884.5	2615.0	3.9	0.0	2618.9	0.0	68.7	3572.1
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	7.8	7.8
8	Himachal Pradesh	779.6	0.0	0.1	0.0	0.1	0.0	275.8	1055.6
	State Sector	393.6	0.0	0.1	0.0	0.1	0.0	275.8	669.6
	Private Sector	386.0	0.0	0.0	0.0	0.0	0.0	0.0	386.0
9	Jharkhand	130.0	1550.0	0.0	0.0	1550.0	0.0	4.1	1684.1
	State Sector	130.0	1190.0	0.0	0.0	1190.0	0.0	4.1	1324.1
	Private Sector	0.0	360.0	0.0	0.0	360.0	0.0	0.0	360.0
10	Jammu & Kashmir	780.0	0.0	8.9	175.0	183.9	0.0	129.3	1093.3
	State Sector	780.0	0.0	8.9	175.0	183.9	0.0	129.3	1093.3
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Karnataka	3599.8	2830.0	234.4	220.0	3284.4	0.0	2234.1	9118.3
	State Sector	3599.8	1970.0	127.9	0.0	2097.9	0.0	527.2	6224.9
	Private Sector	0.0	860.0	106.5	220.0	1186.5	0.0	1706.9	2893.4
12	Kerala	1781.5	0.0	256.4	174.0	430.4	0.0	138.8	2350.7
	State Sector	1781.5	0.0	234.6	0.0	234.6	0.0	138.8	2154.9
	Private Sector	0.0	0.0	21.8	174.0	195.8	0.0	0.0	195.8
13	Madhya Pradesh	1703.7	2807.5	0.0	0.0	2807.5	0.0	287.9	4799.0
	State Sector	1703.7	2807.5	0.0	0.0	2807.5	0.0	71.8	4582.9
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	216.1	216.1
14	Maharashtra	3331.8	9200.0	0.0	1092.0	10292.0	0.0	2438.0	16061.8
	State Sector	2884.8	7300.0	0.0	912.0	8212.0	0.0	233.7	11330.6
	Private Sector	447.0	1900.0	0.0	180.0	2080.0	0.0	2204.3	4731.3
15	Meghalaya	156.0	0.0	2.1	0.0	2.1	0.0	31.0	189.1
	State Sector	156.0	0.0	2.1	0.0	2.1	0.0	31.0	189.1
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	Orissa	2061.9	420.0	0.0	0.0	420.0	0.0	64.3	2546.2
	State Sector	2061.9	420.0	0.0	0.0	420.0	0.0	64.3	2546.2
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	Punjab	2230.2	2630.0	0.0	0.0	2630.0	0.0	278.9	5139.1
	State Sector	2230.2	2630.0	0.0	0.0	2630.0	0.0	220.7	5080.9
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	58.3	58.3
18	Rajasthan	988.0	3500.0	0.0	443.8	3943.8	0.0	926.2	5857.9
	State Sector	988.0	3365.0	0.0	443.8	3808.8	0.0	30.3	4827.0
	Private Sector	0.0	135.0	0.0	0.0	135.0	0.0	895.9	1030.9

INSTALLED CAPACITY (MW) As on 31st March, 2010

S.No.	State/EDs/Central Sector	Hydro	Thermal			Total Thermal	Nuclear	Renewables	Total	
			Steam	Diesel	Gas					
<i>Annexure 3.4 (Contd.)</i>										
19	Tamil Nadu	2108.2	3220.0	411.7	1026.3	4658.0	0.0	4865.5	11631.7	
		State Sector	2108.2	2970.0	0.0	523.2	3493.2	0.0	85.6	5687.0
		Private Sector	0.0	250.0	411.7	503.1	1164.8	0.0	4780.0	5944.7
20	Uttar Pradesh	524.1	4372.0	0.0	0.0	4372.0	0.0	587.7	5483.8	
		State Sector	524.1	4072.0	0.0	0.0	4072.0	0.0	25.1	4621.2
		Private Sector	0.0	300.0	0.0	0.0	300.0	0.0	562.6	862.6
21	Uttarakhand	1652.2	0.0	0.0	0.0	0.0	0.0	132.9	1785.1	
		State Sector	1252.2	0.0	0.0	0.0	0.0	0.0	132.9	1385.1
		Private Sector	400.0	0.0	0.0	0.0	0.0	0.0	0.0	400.0
22	West Bengal	977.0	6121.4	12.2	100.0	6233.6	0.0	164.7	7375.3	
		State Sector	977.0	4780.0	12.1	100.0	4892.1	0.0	144.5	6013.6
		Private Sector	0.0	1341.4	0.1	0.0	1341.5	0.0	20.2	1361.7

II.EDs

1	A&N Islands	0.0	0.0	60.1	0.0	60.1	0.0	5.3	65.3
	UT Own	0.0	0.0	40.1	0.0	40.1	0.0	5.3	45.3
	Private Sector	0.0	0.0	20.0	0.0	20.0	0.0	0.0	20.0
2	Arunachal Pradesh	0.0	0.0	15.9	0.0	15.9	0.0	67.4	83.3
3	Chandigarh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D&N Haveli & Daman & Diu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Goa	0.0	0.0	0.0	48.0	48.0	0.0	30.1	78.1
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	Private Sector	0.0	0.0	0.0	48.0	48.0	0.0	30.0	78.0
6	Lakshadweep	0.0	0.0	10.0	0.0	10.0	0.0	0.0	10.0
7	Manipur	0.0	0.0	45.4	0.0	45.4	0.0	5.5	50.9
8	Mizoram	0.0	0.0	51.9	0.0	51.9	0.0	28.5	80.3
9	Nagaland	0.0	0.0	2.0	0.0	2.0	0.0	28.7	30.7
10	Puducerry	0.0	0.0	0.0	32.5	32.5	0.0	0.0	32.5
11	Sikkim	0.0	0.0	5.0	0.0	5.0	0.0	47.1	52.1
12	Tripura	0.0	0.0	4.9	127.5	132.4	0.0	16.0	148.4

III Central Sector

1	DVC	143.2	3560.0	0.0	90.0	3650.0	0.0	0.0	3793.2
2	HP-NJPC JV	1500.0	0.0	0.0	0.0	0.0	0.0	0.0	1500.0
3	NEEPCO	755.0	0.0	0.0	375.0	375.0	0.0	0.0	1130.0
4	NLC	0.0	2490.0	0.0	0.0	2490.0	0.0	0.0	2490.0
5	NHDC	1520.0	0.0	0.0	0.0	0.0	0.0	0.0	1520.0
6	NHPC	3647.2	0.0	0.0	0.0	0.0	0.0	0.0	3647.2
7	NTPC	0.0	25115.0	0.0	4017.2	29132.2	0.0	0.0	29132.2
8	NPCIL	0.0	0.0	0.0	0.0	0.0	4560.0	0.0	4560.0
9	NTPC+ ONGC	0.0	0.0	0.0	2220.0	2220.0	0.0	0.0	2220.0
10	THDC	1000.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
Total- Central Sector		8565.4	31165.0	0.0	6702.2	37867.2	4560.0	0.0	50992.6
Total State Sector		27065.0	44977.0	602.6	4046.1	49625.7	0.0	2701.1	79391.9
Total Private Sector		1233.0	8056.4	597.1	6307.5	14961.0	0.0	12820.0	29014.0
Total All India		36863.4	84198.4	1199.8	17055.9	102454.0	4560.0	15521.1	159398.5

INSTALLED CAPACITY (MW) As on 31st March, 2011

S.No.	State/EDs/Central Sector	Thermal			Total Thermal	Nuclear	Renewables	Total	
		Hydro	Steam	Diesel					
I. States									
1	Andhra Pradesh	3695.5	4592.5	36.8	3098.4	7727.7	0.0	767.0	12190.2
	State Sector	3695.5	4592.5	0.0	0.0	4592.5	0.0	193.8	8481.9
	Private Sector	0.0	0.0	36.8	3098.4	3135.2	0.0	573.2	3708.4
2	Assam	100.0	60.0	20.7	263.5	344.2	0.0	27.1	471.3
	State Sector	100.0	60.0	20.7	239.0	319.7	0.0	27.1	446.8
	Private Sector	0.0	0.0	0.0	24.5	24.5	0.0	0.0	24.5
3	Bihar	0.0	530.0	0.0	0.0	530.0	0.0	67.8	597.8
	State Sector	0.0	530.0	0.0	0.0	530.0	0.0	58.3	588.3
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	9.5	9.5
4	Chattisgarh	120.0	3660.0	0.0	0.0	3660.0	0.0	251.0	4031.0
	State Sector	120.0	2060.0	0.0	0.0	2060.0	0.0	19.1	2199.1
	Private Sector	0.0	1600.0	0.0	0.0	1600.0	0.0	231.9	1831.9
5	Delhi	0.0	385.0	0.0	1121.9	1506.9	0.0	2.1	1509.0
	State Sector	0.0	385.0	0.0	1050.4	1435.4	0.0	0.0	1435.4
	Private Sector	0.0	0.0	0.0	71.5	71.5	0.0	2.1	73.6
6	Gujarat	772.0	6850.0	17.5	3470.2	10337.7	0.0	2000.5	13110.2
	State Sector	772.0	4220.0	17.5	892.7	5130.0	0.0	29.9	5931.9
	Private Sector	0.0	2630.0	0.2	2577.5	5207.7	0.0	1970.6	7178.3
7	Haryana	884.5	3410.0	3.9	25.0	3438.9	0.0	105.9	4429.3
	State Sector	884.5	3410.0	3.9	25.0	3438.9	0.0	70.1	4393.5
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	35.8	35.8
8	Himachal Pradesh	971.6	0.0	0.1	0.0	0.1	0.0	375.4	1347.1
	State Sector	393.6	0.0	0.1	0.0	0.1	0.0	375.4	769.1
	Private Sector	578.0	0.0	0.0	0.0	0.0	0.0	0.0	578.0
9	Jharkhand	130.0	1550.0	0.0	0.0	1550.0	0.0	4.1	1684.1
	State Sector	130.0	1190.0	0.0	0.0	1190.0	0.0	4.1	1324.1
	Private Sector	0.0	360.0	0.0	0.0	360.0	0.0	0.0	360.0
10	Jammu & Kashmir	780.0	0.0	8.9	175.0	183.9	0.0	129.3	1093.3
	State Sector	780.0	0.0	8.9	175.0	183.9	0.0	129.3	1093.3
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Karnataka	3599.8	3680.0	234.4	0.0	3914.4	0.0	2616.2	10130.4
	State Sector	3599.8	2220.0	127.9	0.0	2347.9	0.0	667.2	6614.9
	Private Sector	0.0	1460.0	106.5	0.0	1566.5	0.0	1949.0	3515.5
12	Kerala	1881.5	0.0	256.4	174.0	430.4	0.0	145.9	2457.8
	State Sector	1881.5	0.0	234.6	0.0	234.6	0.0	145.8	2261.9
	Private Sector	0.0	0.0	21.8	174.0	195.8	0.0	0.0	195.9
13	Madhya Pradesh	1703.7	2807.5	0.0	0.0	2807.5	0.0	267.2	4778.3
	State Sector	1703.7	2807.5	0.0	0.0	2807.5	0.0	26.8	4537.9
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	240.4	240.4
14	Maharashtra	3331.8	10200.0	0.0	852.0	11052.0	0.0	2809.3	17193.2
	State Sector	2884.8	7295.0	0.0	672.0	7967.0	0.0	269.2	11121.1
	Private Sector	447.0	2905.0	0.0	180.0	3085.0	0.0	2540.1	6072.1
15	Meghalaya	156.0	0.0	2.1	0.0	2.1	0.0	31.0	189.1
	State Sector	156.0	0.0	2.1	0.0	2.1	0.0	31.0	189.1
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	Orissa	2061.9	1620.0	0.0	0.0	1620.0	0.0	79.6	3761.6
	State Sector	2061.9	420.0	0.0	0.0	420.0	0.0	79.6	2561.6
	Private Sector	0.0	1200.0	0.0	0.0	1200.0	0.0	0.0	1200.0
17	Punjab	2230.2	2630.0	25.0	0.0	2655.0	0.0	329.3	5214.5
	State Sector	2230.2	2630.0	25.0	0.0	2655.0	0.0	243.2	5128.4
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	86.1	86.1
18	Rajasthan	988.0	3885.0	0.0	443.8	4328.8	0.0	1467.8	6784.6
	State Sector	988.0	3615.0	0.0	443.8	4058.8	0.0	30.3	5077.0
	Private Sector	0.0	270.0	0.0	0.0	270.0	0.0	1437.5	1707.5

INSTALLED CAPACITY (MW) As on 31st March, 2011

S.No.	State/EDs/Central Sector	Hydro	Thermal			Total Thermal	Nuclear	Renewables	Total
			Steam	Diesel	Gas				
<i>Annexure 3.5 (Contd.)</i>									
19	Tamil Nadu	2122.2	3220.0	411.7	1026.3	4658.0	0.0	5812.6	12592.8
	State Sector	2122.2	2970.0	0.0	523.2	3493.2	0.0	89.6	5705.0
	Private Sector	0.0	250.0	411.7	503.1	1164.8	0.0	5723.1	6887.8
20	Uttar Pradesh	524.1	4672.0	0.0	0.0	4672.0	0.0	609.7	5805.8
	State Sector	524.1	4072.0	0.0	0.0	4072.0	0.0	23.3	4619.4
	Private Sector	0.0	600.0	0.0	0.0	600.0	0.0	586.4	1186.4
21	Uttarakhand	1652.2	0.0	0.0	0.0	0.0	0.0	146.2	1798.3
	State Sector	1252.2	0.0	0.0	0.0	0.0	0.0	134.1	1386.3
	Private Sector	400.0	0.0	0.0	0.0	0.0	0.0	12.1	412.1
22	West Bengal	977.0	6121.4	12.2	100.0	6233.6	0.0	161.1	7371.6
	State Sector	977.0	4780.0	12.1	100.0	4892.1	0.0	143.9	6013.0
	Private Sector	0.0	1341.4	0.1	0.0	1341.5	0.0	17.2	1358.7

II.EDs

1	A&N Islands	0.0	0.0	60.1	0.0	60.1	0.0	5.4	65.4
	UT Own	0.0	0.0	40.1	0.0	40.1	0.0	5.3	45.3
	Private Sector	0.0	0.0	20.0	0.0	20.0	0.0	0.1	20.1
2	Arunachal Pradesh	0.0	0.0	15.9	0.0	15.9	0.0	78.9	94.7
	State Sector	0.0	0.0	15.9	0.0	15.9	0.0	78.8	94.7
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Chandigarh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D&N Haveli & Daman & DIU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Goa	0.0	0.0	0.0	48.0	48.0	0.0	30.1	78.1
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	Private Sector	0.0	0.0	0.0	48.0	48.0	0.0	30.0	78.0
6	Lakshadweep	0.0	0.0	10.0	0.0	10.0	0.0	0.8	10.7
	UT Own	0.0	0.0	10.0	0.0	10.0	0.0	0.0	10.0
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
7	Manipur	0.0	0.0	45.4	0.0	45.4	0.0	5.5	50.9
8	Mizoram	0.0	0.0	51.9	0.0	51.9	0.0	36.5	88.3
9	Nagaland	0.0	0.0	2.0	0.0	2.0	0.0	28.7	30.7
10	Puducerry	0.0	0.0	0.0	32.5	32.5	0.0	0.0	32.5
	State Sector	0.0	0.0	0.0	32.5	32.5	0.0	0.0	32.5
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Sikkim	0.0	0.0	5.0	0.0	5.0	0.0	47.1	52.1
12	Tripura	0.0	0.0	4.9	148.5	153.4	0.0	16.0	169.4

III Central Sector

1	DVC	143.2	4200.0	0.0	90.0	4290.0	0.0	0.0	4433.2
2	HP-NJPC JV	1500.0	0.0	0.0	0.0	0.0	0.0	0.0	1500.0
3	NEEPCO	755.0	0.0	0.0	375.0	375.0	0.0	0.0	1130.0
4	NLC	0.0	2740.0	0.0	0.0	2740.0	0.0	0.0	2740.0
5	NHDC	1520.0	0.0	0.0	0.0	0.0	0.0	0.0	1520.0
6	NHPC	3767.2	0.0	0.0	0.0	0.0	0.0	0.0	3767.2
7	NTPC	0.0	27105.0	0.0	4017.2	31122.2	0.0	0.0	31122.2
8	NPCIL	0.0	0.0	0.0	0.0	0.0	4780.0	0.0	4780.0
9	NTPC+ONGC	0.0	0.0	0.0	2220.0	2220.0	0.0	0.0	2220.0
10	THDC	1200.0	0.0	0.0	0.0	0.0	0.0	0.0	1200.0
Total- Central Sector		8885.4	34045.0	0.0	6702.2	40747.2	4780.0	0.0	54412.6
Total State Sector		27257.0	47257.0	627.6	4302.1	52186.7	0.0	3008.9	82452.6
Total Private Sector		1425.0	12616.4	597.1	6677.0	19890.5	0.0	15445.7	36761.2
Total All India		37567.4	93918.4	1224.8	17681.4	112824.5	4780.0	18454.5	173626.4

INSTALLED CAPACITY (MW) As on 31st March, 2012

S.No.	State/EDs/Central Sector	Hydro	Thermal			Total Thermal	Nuclear	Renewables	Total
			Steam	Diesel	Gas				
I. States									
1	Andhra Pradesh	3734.5	5242.5	36.8	3098.4	8377.7	0.0	885.3	12997.6
	State Sector	3734.5	5092.5	0.0	0.0	5092.5	0.0	221.8	9048.9
	Private Sector	0.0	150.0	36.8	3098.4	3285.2	0.0	663.5	3948.7
2	Assam	100.0	60.0	20.7	300.7	381.4	0.0	31.1	512.5
	State Sector	100.0	60.0	20.7	276.2	356.9	0.0	31.1	488.0
	Private Sector	0.0	0.0	0.0	24.5	24.5	0.0	0.0	24.5
3	Bihar	0.0	430.0	0.0	0.0	430.0	0.0	79.8	509.8
	State Sector	0.0	430.0	0.0	0.0	430.0	0.0	64.3	494.3
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	15.5	15.5
4	Chattisgarh	120.0	3893.0	0.0	0.0	3893.0	0.0	274.2	4287.2
	State Sector	120.0	2060.0	0.0	0.0	2060.0	0.0	20.3	2200.3
	Private Sector	0.0	1833.0	0.0	0.0	1833.0	0.0	253.9	2086.9
5	Delhi	0.0	135.0	0.0	1408.4	1543.4	0.0	18.5	1561.9
	State Sector	0.0	135.0	0.0	1300.4	1435.4	0.0	0.0	1435.4
	Private Sector	0.0	0.0	0.0	108.0	108.0	0.0	18.5	126.5
6	Gujarat	772.0	10890.0	17.5	3821.2	14728.7	0.0	3498.6	18999.3
	State Sector	772.0	4220.0	17.3	1243.7	5481.0	0.0	32.9	6285.9
	Private Sector	0.0	6670.0	0.2	2577.5	9247.7	0.0	3465.7	12713.4
7	Haryana	884.5	3820.0	3.9	25.0	3188.9	0.0	122.7	4196.1
	State Sector	884.5	3160.0	3.9	25.0	3188.9	0.0	70.1	4143.5
	Private Sector	0.0	660.0	0.0	0.0	0.0	0.0	52.6	52.6
8	Himachal Pradesh	2071.6	0.0	0.1	0.0	0.1	0.0	527.7	2599.4
	State Sector	393.6	0.0	0.1	0.0	0.1	0.0	527.7	921.4
	Private Sector	1678.0	0.0	0.0	0.0	0.0	0.0	0.0	1678.0
9	Jharkhand	130.0	2600.0	0.0	0.0	2600.0	0.0	8.1	2738.1
	State Sector	130.0	1190.0	0.0	0.0	1190.0	0.0	4.1	1324.1
	Private Sector	0.0	1410.0	0.0	0.0	1410.0	0.0	4.0	1414.0
10	Jammu & Kashmir	780.0	0.0	8.9	175.0	183.9	0.0	130.5	1094.5
	State Sector	780.0	0.0	8.9	175.0	183.9	0.0	130.5	1094.5
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Karnataka	3599.8	4780.0	234.4	0.0	5014.4	0.0	3183.2	11797.5
	State Sector	3599.8	2720.0	127.9	0.0	2847.9	0.0	823.7	7271.4
	Private Sector	0.0	2060.0	106.5	0.0	2166.5	0.0	2359.6	4526.1
12	Kerala	1881.5	0.0	256.4	174.0	430.4	0.0	162.7	2474.6
	State Sector	1881.5	0.0	234.6	0.0	234.6	0.0	162.7	2278.8
	Private Sector	0.0	0.0	21.8	174.0	195.8	0.0	0.0	195.9
13	Madhya Pradesh	1703.7	2807.5	0.0	0.0	2807.5	0.0	477.1	4988.2
	State Sector	1703.7	2807.5	0.0	0.0	2807.5	0.0	86.8	4597.9
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	390.3	390.3
14	Maharashtra	3331.8	12536.0	0.0	852.0	13388.0	0.0	3630.1	20349.9
	State Sector	2884.8	8650.0	0.0	672.0	9322.0	0.0	286.7	12493.6
	Private Sector	447.0	3886.0	0.0	180.0	4066.0	0.0	3343.3	7856.3
15	Meghalaya	240.0	0.0	2.1	0.0	2.1	0.0	31.0	273.1
	State Sector	240.0	0.0	2.1	0.0	2.1	0.0	31.0	273.1
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	Orissa	2061.9	2220.0	0.0	0.0	2220.0	0.0	97.3	4379.2
	State Sector	2061.9	420.0	0.0	0.0	420.0	0.0	64.3	2546.2
	Private Sector	0.0	1800.0	0.0	0.0	1800.0	0.0	33.0	1833.0
17	Punjab	2230.2	2630.0	0.0	25.0	2655.0	0.0	353.6	5238.8
	State Sector	2230.2	2630.0	0.0	25.0	2655.0	0.0	244.5	5129.7
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	109.1	109.1
18	Rajasthan	988.0	4155.0	0.0	443.8	4598.8	0.0	2365.6	7952.3
	State Sector	988.0	3615.0	0.0	443.8	4058.8	0.0	30.3	5077.0
	Private Sector	0.0	540.0	0.0	0.0	540.0	0.0	2335.3	2875.3

INSTALLED CAPACITY (MW) As on 31st March, 2012

S.No.	State/EDs/Central Sector	Hydro	Thermal			Total Thermal	Nuclear	Renewables	Total
			Steam	Diesel	Gas				
<u>Annexure 3.5 (Contd.)</u>									
19	Tamil Nadu	2122.2	3220.0	411.7	1026.3	4658.0	0.0	7338.0	14118.2
	State Sector	2122.2	2970.0	0.0	523.2	3493.2	0.0	118.6	5734.0
	Private Sector	0.0	250.0	411.7	503.1	1164.8	0.0	7219.5	8384.2
20	Uttar Pradesh	524.1	7117.0	0.0	0.0	7117.0	0.0	687.0	8328.1
	State Sector	524.1	4267.0	0.0	0.0	4267.0	0.0	25.1	4816.2
	Private Sector	0.0	2850.0	0.0	0.0	2850.0	0.0	661.9	3511.9
21	Uttarakhand	1652.2	0.0	0.0	0.0	0.0	0.0	185.9	1838.0
	State Sector	1252.2	0.0	0.0	0.0	0.0	0.0	170.8	1423.0
	Private Sector	400.0	0.0	0.0	0.0	0.0	0.0	15.1	415.1
22	West Bengal	977.0	6371.4	12.2	100.0	6483.6	0.0	161.5	7622.0
	State Sector	977.0	5030.0	12.1	100.0	5142.1	0.0	143.4	6262.5
	Private Sector	0.0	1341.4	0.1	0.0	1341.5	0.0	18.1	1359.6

II.EDs

1	A&N Islands	0.0	0.0	60.1	0.0	60.1	0.0	5.4	65.4
	UT Own	0.0	0.0	40.1	0.0	40.1	0.0	5.3	45.3
	Private Sector	0.0	0.0	20.0	0.0	20.0	0.0	0.1	20.1
2	Arunachal Pradesh	0.0	0.0	15.9	0.0	15.9	0.0	79.3	95.1
	State Sector	0.0	0.0	15.9	0.0	15.9	0.0	79.2	95.1
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Chandigarh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D&N Haveli & Daman & DIU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Goa	0.0	0.0	0.0	48.0	48.0	0.0	30.1	78.1
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	Private Sector	0.0	0.0	48.0	48.0	0.0	0.0	30.0	78.0
6	Lakshadweep	0.0	0.0	10.0	0.0	10.0	0.0	0.8	10.7
	UT Own	0.0	0.0	10.0	0.0	10.0	0.0	0.0	10.0
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
7	Manipur	0.0	0.0	45.4	0.0	45.4	0.0	5.5	50.9
8	Mizoram	0.0	0.0	51.9	0.0	51.9	0.0	36.5	88.3
9	Nagaland	0.0	0.0	2.0	0.0	2.0	0.0	28.7	30.7
10	Puducerry	0.0	0.0	0.0	32.5	32.5	0.0	0.0	32.5
	State Sector	0.0	0.0	0.0	32.5	32.5	0.0	0.0	32.5
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Sikkim	0.0	0.0	5.0	0.0	5.0	0.0	52.1	57.1
12	Tripura	0.0	0.0	4.9	148.5	153.4	0.0	16.0	169.4

III Central Sector

1	DVC	143.2	5700.0	0.0	90.0	5790.0	0.0	0.0	5933.2
2	HP-NJPC JV	1500.0	0.0	0.0	0.0	0.0	0.0	0.0	1500.0
3	NEEPCO	755.0	0.0	0.0	375.0	375.0	0.0	0.0	1130.0
4	NLC	0.0	2990.0	0.0	0.0	2990.0	0.0	0.0	2990.0
5	NHDC	1520.0	0.0	0.0	0.0	0.0	0.0	0.0	1520.0
6	NHPC	3767.2	0.0	0.0	0.0	0.0	0.0	0.0	3767.2
7	NTPC	0.0	28925.0	0.0	4017.2	32942.2	0.0	0.0	32942.2
8	NPCIL	0.0	0.0	0.0	0.0	0.0	4780.0	0.0	4780.0
9	NTPC+ ONGC	0.0	0.0	0.0	2220.0	2220.0	0.0	0.0	2220.0
10	NTPC+APCPL	0.0	500.0	0.0	0.0	500.0	0.0	0.0	500.0
11	NTPC+HPGCL+IPGC	0.0	500.0	0.0	0.0	500.0	0.0	0.0	500.0
12	NTPC+NTECL	0.0	500.0	0.0	0.0	500.0	0.0	0.0	500.0
13	THDC	1400.0	0.0	0.0	0.0	0.0	0.0	0.0	1400.0
Total- Central Sector		9085.4	39115.0	0.0	6702.2	45817.2	4780.0	0.0	59682.6
Total State Sector		27380.0	49457.0	602.6	4965.3	55024.9	0.0	3513.7	85918.7
Total Private Sector		2525.0	23450.4	597.1	6713.5	30761.0	0.0	20989.7	54275.8
Total All India		38990.4	112022.4	1199.8	18381.1	131603.2	4780.0	24503.5	199877.0

INSTALLED CAPACITY (MW) As on 31st March, 2013

S.No.	State/EDs/Central Sector	Hydro	Thermal	Total	Nuclear	Renewables	Total
		Steam	Diesel	Gas	Thermal		
<i>I. States</i>							
1	Andhra Pradesh	3734.5	5542.5	36.8	3370.4	8949.7	0.0
	State Sector	3734.53	5092.5	0	0	5092.5	0
	Private Sector	0	450	36.8	3370.4	3857.2	0
2	Assam	100.0	60.0	20.7	300.7	381.4	0.0
	State Sector	100	60	20.69	276.2	356.9	0
	Private Sector	0	0	0	24.5	24.5	0
3	Bihar	0.0	430.0	0.0	0.0	430.0	0.0
	State Sector	0	430	0	0	430.0	0
	Private Sector	0	0	0	0	0.0	43.3
4	Chattisgarh	120.0	4568.0	0.0	0.0	4568.0	0.0
	State Sector	120	2280	0	0	2280.0	0
	Private Sector	0	2288	0	0	2288.0	0
5	Delhi	0.0	135.0	0.0	1658.4	1793.4	0.0
	State Sector	0	135.0	0	1550.4	1685.4	0
	Private Sector	0	0.0	0	108	108.0	0
6	Gujarat	772.0	13470.0	17.5	4554.7	18042.2	0.0
	State Sector	772	4470	17.28	1594.72	6082.0	0
	Private Sector	0	9000	0.2	2960	11960.2	0
7	Haryana	884.5	4780.0	3.9	25.0	3188.9	0.0
	State Sector	884.51	3160.0	3.92	25.0	3188.9	0
	Private Sector	0	1620.0	0	0	0.0	53.1
8	Himachal Pradesh	2141.6	0.0	0.1	0.0	0.1	0.0
	State Sector	393.6	0	0.13	0	0.1	587.91
	Private Sector	1748	0	0	0	0.0	0
9	Jharkhand	130.0	1820.0	0.0	0.0	1820.0	0.0
	State Sector	130	1190	0	0	1190.0	0
	Private Sector	0	630	0	0	630.0	0
10	Jammu & Kashmir	780.0	0.0	8.9	175.0	183.9	0.0
	State Sector	780	0	8.94	175	183.9	0
	Private Sector	0	0	0	0	0.0	0
11	Karnataka	3599.8	4780.0	234.4	0.0	5014.4	0.0
	State Sector	3599.8	2720	127.92	0	2847.9	0
	Private Sector	0	2060	106.5	0	2166.5	0
12	Kerala	1881.5	0.0	256.4	174.0	430.4	0.0
	State Sector	1881.5	0	234.6	0	234.6	0
	Private Sector	0	0	21.84	174	195.8	0
13	Madhya Pradesh	1703.7	4095.0	0.0	0.0	4095.0	0.0
	State Sector	1703.66	2995	0	0	2995.0	0
	Private Sector	0	1100	0	0	1100.0	0
14	Maharashtra	3331.8	15386.0	0.0	852.0	16238.0	0.0
	State Sector	2884.84	8400	0	672	9072.0	0
	Private Sector	447	6986	0	180	7166.0	0
15	Meghalaya	282.0	0.0	2.1	0.0	2.1	0.0
	State Sector	282	0	2.05	0	2.1	0
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0
16	Orissa	2061.9	3170.0	0.0	0.0	3170.0	0.0
	State Sector	2061.92	420	0	0	420.0	0
	Private Sector	0	2750	0	0	2750.0	0
17	Punjab	2230.2	2990.0	0.0	25.0	3015.0	0.0
	State Sector	2230.23	2630	0	25	2655.0	0
	Private Sector	0	360	0	0	360.0	0
18	Rajasthan	988.0	4995.0	0.0	553.8	5548.8	0.0
	State Sector	987.96	3615	0	553.8	4168.8	0
	Private Sector	0	1380	0	0	1380.0	0

INSTALLED CAPACITY (MW) As on 31st March, 2013

S.No.	State/EDs/Central Sector	Hydro	Thermal			Total Thermal	Nuclear	Renewables	Total
			Steam	Diesel	Gas				
19	Tamil Nadu	2137.2	4570.0	411.7	1026.3	6008.0	0.0	7457.5	15602.7
	State Sector	2137.2	4170	0	523.2	4693.2	0	118.55	6949.0
	Private Sector	0	400	411.66	503.1	1314.8	0	7338.99	8653.8
20	Uttar Pradesh	524.1	8013.0	0.0	0.0	8013.0	0.0	824.0	9361.1
	State Sector	524.1	4923	0	0	4923.0	0	25.1	5472.2
	Private Sector	0	3090	0	0	3090.0	0	798.88	3888.9
21	Uttarakhand	1652.2	0.0	0.0	0.0	0.0	0.0	189.9	1842.0
	State Sector	1252.15	0	0	0	0.0	0	174.82	1427.0
	Private Sector	400	0	0	0	0.0	0	15.05	415.1
22	West Bengal	977.0	6311.4	12.2	100.0	6423.6	0.0	171.5	7572.0
	State Sector	977	4970	12.06	100	5082.1	0	143.4	6202.5
	Private Sector	0	1341.38	0.14	0	1341.5	0	28.05	1369.6

Annexure 3.5 (Contd.)

II.EDs

1	A&N Islands	0.0	0.0	60.1	0.0	60.1	0.0	5.4	65.4
	UT Own	0.0	0.0	40.1	0.0	40.1	0.0	5.3	45.3
	Private Sector	0.0	0.0	20.0	0.0	20.0	0.0	0.1	20.1
2	Arunachal Pradesh	0.0	0.0	15.9	0.0	15.9	0.0	103.9	119.8
	State Sector	0	0	15.88	0	15.9	0	103.91	119.8
	Private Sector	0	0	0	0	0.0	0	0.03	0.0
3	Chandigarh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	D&N Haveli & Daman & DIU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Goa	0.0	0.0	0.0	48.0	48.0	0.0	30.1	78.1
	State Sector	0	0	0	0	0.0	0	0.05	0.1
	Private Sector	0	0	0	48	48.0	0	30	78.0
6	Lakshadweep	0.0	0.0	10.0	0.0	10.0	0.0	0.8	10.72
	UT Own	0.0	0.0	10.0	0.0	10.0	0.0	0.0	10.0
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
7	Manipur	0	0	45.41	0	45.4	0	5.45	50.9
8	Mizoram	0	0	51.86	0	51.9	0	36.47	88.3
9	Nagaland	0	0	2	0	2.0	0	28.67	30.7
10	Puducerry	0.0	0.0	0.0	32.5	32.5	0.0	0.0	32.5
	State Sector	0	0	0	32.5	32.5	0	0	32.5
	Private Sector	0	0	0	0	0.0	0	0.03	0.0
11	Sikkim	0	0	5	0	5.0	0	52.11	57.1
12	Tripura	0	0	4.85	148.5	153.4	0	16.01	169.4

III Central Sector

1	APCPL	0.0	1500.0	0.0	0.0	1500.0	0.0	0.0	1500.0
2	DVC	143.2	6200.0	0.0	90.0	6290.0	0.0	0.0	6433.2
3	NEEPCO	755.0	0.0	0.0	375.0	375.0	0.0	0.0	1130.0
4	NLC	0.0	2990.0	0.0	0.0	2990.0	0.0	0.0	2990.0
5	NHDC	1520.0	0.0	0.0	0.0	0.0	0.0	0.0	1520.0
6	NHPC	4141.2	0.0	0.0	0.0	0.0	0.0	0.0	4141.2
7	NSPCL	0.0	500.0	0.0	0.0	500.0	0.0	0.0	500.0
8	NTECL	0.0	1000.0	0.0	0.0	1000.0	0.0	0.0	1000.0
9	NTPC	0.0	31865.0	0.0	4017.2	35882.2	0.0	0.0	35882.2
10	NPCIL	0.0	0.0	0.0	0.0	0.0	4780.0	0.0	4780.0
11	ONGC	0.0	0.0	0.0	363.0	363.0	0.0	0.0	363.0
12	RGPPL	0.0	0.0	0.0	2220.0	2220.0	0.0	0.0	2220.0
13	SJVNL	1500.0	0.0	0.0	0.0	0.0	0.0	0.0	1500.0
14	THDC	1400.0	0.0	0.0	0.0	0.0	0.0	0.0	1400.0
Total- Central Sector		9459.4	44055.0	0.0	7065.23	51120.2	4780.0	0.0	65359.6
Total State Sector		27437.0	51660.5	602.61	5676.32	57939.4	0.0	3748.2	89124.6
Total Private Sector		2595.0	34505.4	597.14	7368.0	42470.5	0.0	23793.5	68859.1
Total All India		39491.4	130220.88	1199.75	20109.55	151530.18	4780.0	27541.7	223343.3

Year-wise Capacity Addition in XIth Plan (MW)										
S.No.	States/UT's/Sector	2007-08			2008-09			2009-10		
		Hydel	Thermal	Total	Hydel	Thermal	Total	Hydel	Thermal	Total
1	Andhra Pradesh	39.00	210.00	249.00	39.00	0.0	39.00	39.00	1477.00	1516.00
	State Sector	39.00	210.00	249.00	39.0	0.0	39.0	39.0	500.0	539.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	977.0	977.0
2	Assam	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	State Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
3	Bihar	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	State Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
4	Chattisgarh	0.00	1000.00	1000.00	0.0	250.0	250.0	0.0	600.0	600.0
	State Sector	0.00	250.00	250.00	0.0	0.0	0.0	0.0	0.0	0.0
	Private Sector	0.00	750.00	750.00	0.0	250.0	250.0	0.0	600.0	600.0
5	Delhi	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	State Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
6	Gujarat	0.00	40.00	40.00	0.0	382.5	382.5	0.0	1874.0	1874.0
	State Sector	0.00	40.00	40.00	0.0	0.0	0.0	0.0	449.0	449.0
	Private Sector	0.00	0.00	0.00	0.0	382.5	382.5	0.0	1425.0	1425.0
7	Haryana	0.00	600.00	600.00	0.0	0.0	0.0	0.0	600.0	600.0
	State Sector	0.00	600.00	600.00	0.0	0.0	0.0	0.0	600.0	600.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
8	Himachal Pradesh	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	State Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
9	Jammu & Kashmir	0.00	0.00	0.00	450.0	0.0	450.0	0.0	0.0	0.0
	State Sector	0.00	0.00	0.00	450.0	0.0	450.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
10	Jharkhand	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	State Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
11	Karnataka	0.00	500.00	500.00	230.0	0.0	230.0	0.0	600.0	600.0
	State Sector	0.00	500.00	500.00	230.0	0.0	230.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	600.0	600.0
12	Kerala	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	State Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
13	Madhya Pradesh	0.00	500.00	500.00	0.0	210.0	210.0	0.0	0.0	0.0
	State Sector	0.00	500.00	500.00	0.0	210.0	210.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
14	Maharashtra	0.00	250.00	250.00	250.0	250.0	500.0	0.0	500.0	500.0
	State Sector	0.00	250.00	250.00	250.0	250.0	500.0	0.0	500.0	500.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
15	Meghalaya	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	State Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
16	Orissa	150.00	0.00	150.00	0.0	0.0	0.0	0.0	0.0	0.0
	State Sector	150.00	0.00	150.00	0.0	0.0	0.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
17	Punjab	0.00	250.00	250.00	0.0	250.0	250.0	0.0	0.0	0.0
	State Sector	0.00	250.00	250.00	0.0	250.0	250.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
18	Rajasthan	0.00	220.00	220.00	0.0	0.0	0.0	0.0	955.0	955.0
	State Sector	0.00	220.00	220.00	0.0	0.0	0.0	0.0	820.0	820.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	135.0	135.0
19	Tamil Nadu	0.00	0.00	0.00	0.0	92.2	92.2	0.0	0.0	0.0
	State Sector	0.00	0.00	0.00	0.0	92.2	92.2	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
20	Uttar Pradesh	0.00	0.00	0.00	0.0	0.0	0.0	0.0	300.0	300.0
	State Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	300.0	300.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
21	Uttarakhand	304.00	0.00	304.00	0.0	0.0	0.0	0.0	0.0	0.0
	State Sector	304.00	0.00	304.00	0.0	0.0	0.0	0.0	0.0	0.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
22	West Bengal	900.00	1060.00	1960.00	0.0	300.0	300.0	0.0	460.0	460.0
	State Sector	900.00	1060.00	1960.00	0.0	300.0	300.0	0.0	210.0	210.0
	Private Sector	0.00	0.00	0.00	0.0	0.0	0.0	0.0	250.0	250.0

Year-wise Capacity Addition in XIth Plan (MW)										
S.No.	States/UT's/Sector	2007-08			2008-09			2009-10		
		Hydel	Thermal	Total	Hydel	Thermal	Total	Hydel	Thermal	Total
II.EDS										
1	Arunachal Pradesh	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
2	Goa	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
3	Manipur	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
4	Mizoram	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
5	Nagaland	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
6	Pondicherry	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
7	Sikkim	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
8	Tripura	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
9	A&N Islands	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Sub-total : (II)		0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Total States+EDs		1393.00	4630.00	6023.00	969.0	1734.7	2703.7	39.0	7366.0	7405.0
III.CENTRAL SECTOR										
1	APCPL			0.00	0.0	0.0	0.0	0.0	0.0	0.0
2	NPCIL		220.00	220.00	0.0	0.0	0.0	0.0	440.0	440.0
3	DVC		250.00	250.00	0.0	0.0	0.0	0.0	500.0	500.0
4	NEEPCO			0.00	0.0	0.0	0.0	0.0	0.0	0.0
5	NLC			0.00	0.0	0.0	0.0	0.0	0.0	0.0
6	NHPC	510.00		510.00	0.0	0.0	0.0	0.0	0.0	0.0
7	NHDC	520.00	0.00	520.00	0.0	0.0	0.0	0.0	0.0	0.0
8	THDC			0.00	0.0	0.0	0.0	0.0	0.0	0.0
9	Ratnagiri		740.00	740.00	0.0	0.0	0.0	0.0	0.0	0.0
10	NTPC		1000.00	1000.00	0.0	750.0	750.0	0.0	1240.0	1240.0
Sub-total : (III)		1030.00	2210.00	3240.00	0.0	750.0	750.0	0.0	2180.0	2180.0
Grand Total		2423.00	6840.00	9263.00	969.0	2484.7	3453.7	39.0	9546.0	9585.0

Year-wise Capacity Addition in XIth Plan (MW)

S.No.	States/UT's/Sector	2010-11			2011-12			Total (2007-12)		
		Hydel	Thermal	Total	Hydel	Thermal	Total	Hydel	Thermal	Total
1	Andhra Pradesh	78.00	1008.00	1086.00	39.00	650.00	689.00	234.00	3345.00	3579.00
	State Sector	78.0	710.0	788.0	39.0	500.0	539.0	234.0	1920.00	2154.00
	Private Sector	0.0	298.0	298.0	0.0	150.0	150.0	0.0	1425.00	1425.00
2	Assam	0.0	0.0	0.0	0.0	37.2	37.2	0.0	37.20	37.20
	State Sector	0.0	0.0	0.0	0.0	37.2	37.2	0.0	37.20	37.20
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
3	Bihar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
4	Chattisgarh	0.0	0.0	0.0	0.0	233.0	233.0	0.0	2083.00	2083.00
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.00	250.00
	Private Sector	0.0	0.0	0.0	0.0	233.0	233.0	0.0	1833.00	1833.00
5	Delhi	0.0	571.5	571.5	0.0	286.5	286.5	0.0	858.00	858.00
	State Sector	0.0	500.0	500.0	0.0	250.0	250.0	0.0	750.00	750.00
	Private Sector	0.0	71.5	71.5	0.0	36.5	36.5	0.0	108.00	108.00
6	Gujarat	0.0	1570.0	1570.0	0.0	4391.0	4391.0	0.0	8257.50	8257.50
	State Sector	0.0	250.0	250.0	0.0	351.0	351.0	0.0	1090.00	1090.00
	Private Sector	0.0	1320.0	1320.0	0.0	4040.0	4040.0	0.0	7167.50	7167.50
7	Haryana	0.0	600.0	600.0	0.0	660.0	660.0	0.0	660.00	660.00
	State Sector	0.0	600.0	600.0	0.0	0.0	0.0	0.0	0.00	0.00
	Private Sector	0.0	0.0	0.0	0.0	660.0	660.0	0.0	660.00	660.00
8	Himachal Pradesh	192.0	0.0	192.0	1100.0	0.0	1100.0	1292.0	0.00	1292.00
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Private Sector	192.0	0.0	192.0	1100.0	0.0	1100.0	1292.0	0.00	1292.00
9	Jammu & Kashmir	0.0	0.0	0.0	0.0	0.0	0.0	450.0	0.00	450.00
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	450.0	0.00	450.00
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
10	Jharkhand	0.0	0.0	0.0	0.0	1050.0	1050.0	0.0	1050.00	1050.00
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Private Sector	0.0	0.0	0.0	0.0	1050.0	1050.0	0.0	1050.00	1050.00
11	Karnataka	0.0	850.0	850.0	0.0	1100.0	1100.0	230.0	3050.00	3280.00
	State Sector	0.0	250.0	250.0	0.0	500.0	500.0	230.0	1250.00	1480.00
	Private Sector	0.0	600.0	600.0	0.0	600.0	600.0	0.0	1800.00	1800.00
12	Kerala	100.0	0.0	100.0	0.0	0.0	0.0	100.0	0.00	100.00
	State Sector	100.0	0.0	100.0	0.0	0.0	0.0	100.0	0.00	100.00
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
13	Madhya Pradesh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	710.00	710.00
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	710.00	710.00
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
14	Maharashtra	0.0	1005.0	1005.0	0.0	2481.0	2481.0	250.0	4486.00	4736.00
	State Sector	0.0	0.0	0.0	0.0	1500.0	1500.0	250.0	2500.00	2750.00
	Private Sector	0.0	1005.0	1005.0	0.0	981.0	981.0	0.0	1986.00	1986.00
15	Meghalaya	0.0	0.0	0.0	84.0	0.0	84.0	84.0	0.00	84.00
	State Sector	0.0	0.0	0.0	84.0	0.0	84.0	84.0	0.00	84.00
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
16	Orissa	0.0	1200.0	1200.0	0.0	600.0	600.0	150.0	1800.0	1950.0
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	150.0	0.0	150.0
	Private Sector	0.0	1200.0	1200.0	0.0	600.0	600.0	0.0	1800.0	1800.0
17	Punjab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	500.00	500.00
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	500.00	500.00
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
18	Rajasthan	0.0	385.0	385.0	0.0	270.0	270.0	0.0	1830.00	1830.00
	State Sector	0.0	250.0	250.0	0.0	0.0	0.0	0.0	1290.00	1290.00
	Private Sector	0.0	135.0	135.0	0.0	270.0	270.0	0.0	540.00	540.00
19	Tamil Nadu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.20	92.20
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.20	92.20
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
20	Uttar Pradesh	0.0	300.0	300.0	0.0	2500.0	2500.0	0.0	3100.00	3100.00
	State Sector	0.0	0.0	0.0	0.0	250.0	250.0	0.0	250.00	250.00
	Private Sector	0.0	300.0	300.0	0.0	2250.0	2250.0	0.0	2850.00	2850.00
21	Uttarakhand	0.0	0.0	0.0	0.0	0.0	0.0	304.0	0.00	304.00
	State Sector	0.0	0.0	0.0	0.0	0.0	0.0	304.0	0.00	304.00
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
22	West Bengal	0.0	0.0	0.0	0.0	250.0	250.0	900.0	2070.00	2970.00
	State Sector	0.0	0.0	0.0	0.0	250.0	250.0	900.0	1820.00	2720.00
	Private Sector	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.00	250.00

Year-wise Capacity Addition in XIth Plan (MW)										
S.No.	States/UT's/Sector	2010-11			2011-12			Total (2007-12)		
		Hydel	Thermal	Total	Hydel	Thermal	Total	Hydel	Thermal	Total
II.EDs										
1	Arunachal Pradesh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
2	Goa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
3	Manipur	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
4	Mizoram	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
5	Nagaland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
6	Pondicherry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
7	Sikkim	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
8	Tripura	0.0	21.0	21.0	0.0	0.0	0.0	0.0	21.00	21.00
9	A&N Islands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
Sub-total : (II)		0.0	21.0	21.0	0.0	0.0	0.0	0.0	21.00	21.00
Total States+EDs		370.0	7510.5	7880.5	1223.0	14508.7	15731.7	3994.0	35749.90	39743.90
III.CENTRAL SECTOR										
1	APCPL	0.0	500.0	500.0	0.0	500.0	500.0	0.0	1000.00	1000.00
2	NPCIL	0.0	220.0	220.0	0.0	0.0	0.0	0.0	880.00	880.00
3	DVC	0.0	1000.0	1000.0	0.0	1500.0	1500.0	0.0	3250.00	3250.00
4	NEEPCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
5	NLC	0.0	250.0	250.0	0.0	250.0	250.0	0.0	500.00	500.00
6	NHPC	120.0	0.0	120.0	0.0	0.0	0.0	630.0	0.00	630.00
7	NHDC	0.0	0.0	0.0	0.0	0.0	0.0	520.0	0.00	520.00
8	THDC	200.0	0.0	200.0	200.0	0.0	200.0	400.0	0.00	400.00
9	Ratnagiri	0.0	0.0	0.0	0.0	0.0	0.0	0.0	740.00	740.00
10	NTPC	0.0	1990.0	1990.0	0.0	2320.0	2320.0	0.0	7300.00	7300.00
Sub-total : (III)		320.0	3960.0	4280.0	200.0	4570.0	4770.0	1550.0	13670.00	15220.00
Grand Total		690.0	11470.5	12160.5	1423.0	19078.7	20501.7	5544.0	49419.90	54963.90

OPERATING AVAILABILITY

(%)

S.No.	Region/Sector	1991-92	2008-09	2009-10	2010-11	2011-12
	Central Sector		72.20	73.24	89.65	88.08
1	DVC		67.73	63.63	77.32	80.67
2	KBUNL		18.20	31.61	23.28	15.31
3	NLC		82.46	86.86	87.23	87.43
4	NSPCL			87.22	90.57	95.55
5	NTPC		91.42	91.73	91.85	89.9
	Northern Region				84.30	83.54
1	Haryana		79.46	87.47	83.80	79.56
2	Delhi		79.96	66.21	70.38	80.27
3	Punjab		89.48	91.16	82.19	83.96
4	Rajasthan		91.02	86.54	83.21	83.57
5	Uttar Pradesh		79.89	79.78	75.92	72.77
	Western Region				86.11	83.5
1	Chattisgarh		91.67	89.30	92.29	86.27
2	Gujarat(GMDCL)		66.82	75.32	69.34	61.78
3	Gujarat		841.40	81.73	80.01	82.06
4	Maharashtra		86.72	88.34	79.8	79.88
5	Madhya Pradesh		87.58	83.01	79.44	77.73
	Southern Region				86.88	87.79
1	Andhra Pradesh	77.40	93.31	90.74	86.69	90.14
2	Karnataka	47.30	79.97	84.33	75.45	81.11
3	Tamilnadu	38.26	87.60	85.04	84.05	83.18
	Eastern Region		9.21		77.67	76.14
1	Bihar		67.66	16.73	18.76	16.03
2	West Bengal(DPL)		23.59	65.81	39.48	45.93
3	Jharkhand		93.15	21.58	16.27	11.13
4	Orissa		68.10	84.75	92.48	87.36
5	Jharkhand (TVNL)		73.78	65.70	74.50	63.80
6	West Bengal			74.75	76.07	76.96
	North Eastern Region				0.00	
1	APGPCL	0.00	0.00	0.00	0.00	0.00
	State Sector		82.80	82.44	78.53	78.7
	Private Utilities		94.77	87.88	89.14	88.86
1	RIL (DAHANU)	96.35	97.18	96.69	97.54	
2	TATA PCL	94.12	82.34	87.52	82.91	
3	TORRENT POWER	94.68	95.62	90.75	93.98	
4	CESC	88.72	87.97	87.45	90.38	
	All India	72.80	85.05	85.10	83.85	82.61

\$:1994-95 onwards are the figures for OPGC.

FORCED OUTAGES OF THERMAL STATIONS (%)						
S.No.	Region/Sector	1991-92	2008-09	2009-10	2010-11	2011-12
I. SPUs						
	Northern Region	17.04			8.67	9.49
1	Haryana	30.94	11.57	9.94	11.71	15.99
2	Punjab	7.07	6.30	3.98	10.13	6.95
3	Rajasthan	14.82	4.12	5.33	9.35	11.33
4	Uttar Pradesh	27.67	11.45	10.17	11.58	11.27
5	Delhi	16.50	16.23	29.99	19.97	19.73
	Western Region	11.78			9.17	11.38
6	Chhattisgarh		4.77	4.99	3.99	7.89
7	Gujarat (GMDCL)	10.62	28.44	19.12	19.50	25.06
8	Gujarat		7.31	9.19	15.22	11.98
9	Maharashtra	13.67	7.91	6.95	15.51	13.94
10	Madhya Pradesh	16.51	8.54	7.28	10.53	12.34
	Southern Region	12.42			7.42	6.63
11	Andhra Pradesh	11.28	3.66	2.36	9.28	4.17
12	Tamil Nadu	13.80	6.28	8.41	11.04	12.76
13	Karnataka	8.81	15.54	11.04	11.31	10.58
	Eastern Region	22.41			16.00	17.51
14	Bihar	27.57	56.41	47.79	42.38	48.76
15	Jharkhand		45.56	48.25	55.16	60.3
16	Jharkhand (TVNL)		31.9	12.82	20.41	36.2
17	Orissa	26.98	2.06	4.51	2.96	5.14
18	West Bengal	13.9	24.06	21.48	21.70	19.93
19	West Bengal (D.P.L.)	8.86	30.54	25.46	56.40	46.05
	N.E.Region	34.39			100	100
20	APGPCL	34.39	100	100	100	100
	All SPUs	21.10			14.53	13.84
II. Central Sector						
		13.5	7.02	7.11	5.12	6.76
1	N.T.P.C	8.30	3.77	4.10	3.58	4.98
2	NLC	16.07	10.39	3.84	6.1	5.6
3	D.V.C.	35.77	27.14	32.28	17.08	16.72
4	K.B.U.N.L		31.8	18.39	19.69	34.35
5	NSPCL			9.47	3.41	4.45
	III. Private Sector	8.6	4.41	8.75	7.53	7.95
1	TOR.POWER (A.E.Co.)	14.53	3.85	1.79	2.18	2.3
2	TATA PCL	8.38	1.28	13.14	9.98	12.28
3	C.E.S.C.	7.63	9.51	9.4	9.00	7.25
4	RIL(DHANU)		1.46	0.64	1.23	2.18
	IV. IPPs			4.43	8.33	17.41
1	RWPL (JSW)		-	35.01	31.87	49.05
2	APL		-	3.23	6.14	24.93
3	GIPCL		-	8.08	10.00	19.24
4	JPL		-	4.17	1.96	2.25
5	JSWEL		-	1.26	11.54	6.05
6	ST-CMSECP		-	5.44	14.94	8.74
7	TATA PCL		-	4.54	1.16	0.76
	IV. All India	15.19	9.29	8.85	10.32	11.46

\$: 1994-95 onwards figures are for OPGC.

Annexure 3.11

PLANT LOAD FACTOR OF THERMAL STATIONS (%)

S.No.	Utilities	1990-91	1991-92	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
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I. SPUs

Northern Region	55.2	58.8	79.62	81.39	81.79	82.99	78.75	77.82	69.01
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1	Haryana	34.5	45.8	78.02	78.18	73.68	83.09	76.48	74.06	53.68
2	Punjab	52.9	52.8	83.11	87.65	85.48	88.43	79.84	82.86	78.48
3	Rajasthan	42.8	65.7	91.38	90.35	88.86	83.55	79.24	80.54	77.54
4	U.P.	52.1	44.3	58.15	56.33	61.69	64.26	60.43	57.12	53.81
5	Delhi	50.7	57.2	47.37	57.3	54.68	38.81	66.08	69.02	67.04

Western Region	57.7	59.6	79.34	80.32	79.45	79.21	75.26	72.26	68.95
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6	Chattisgarh			82.29	80.75	85.91	85.25	88.99	77.61	80.82
7	Gujarat	57.7	56.9	73.51	74.5	76.18	71.92	67.32	71	62.67
8	Maharashtra	58.1	61.3	74.74	76.09	70.6	69.71	59.03	59.21	58.1
9	Madhya Pradesh	52.7	49.2	70.07	67.28	64.79	62.33	61.1	61.38	65.73

Southern Region	61.7	60.8	83.87	84.92	83.3	84.39	80.24	82.19	82.18
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10	Andhra Pradesh	65.8	62.1	86.12	86.83	87.77	86.67	80.49	83.81	85.03
11	Tamil Nadu	58.3	55.7	81.45	81.83	80.8	76.42	73.36	73.36	77.9
12	Karnataka	76.2	59.1	89.18	84.2	71.05	76.85	63.02	69.87	67.2

Eastern Region	36.5	37.3	68.27	69.55	64.66	64.71	66.21	63.51	62.81
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13	Bihar	23.9	21.3	0.79	3.03	3.67	9.6	8.12	6.12	0
14	Jharkhand			30.16	22.53	29.31	29.79	30.02	25.93	35.12
15	Orissa *	33.9	30	90.18	82.59	86.72	80.49	86.56	79.97	86.47
16	West Bengal	30.9	30.8	61.77	64.7	56.44	57.28	57.34	57.34	59.36
	WBPDC	57.3	61.4	61.77	64.7	57.53	59.01	62.52	64.29	61.87
	DPL	24.4	17.8	61.77	64.7	50.64	47.25	26.61	29.25	32.76

N.E. Region	24.6	24.6	16.85	20.37	47.62	0	0	0	0
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17	Assam	24.6	24.6	0	0	0	0	0	0
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All SPUs	51.3	50.6	71.71	71.89	71.13	66.72	66.72	68.35	65.54
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II. Central Sector	58.1	64.5	84.2	86.74	85.48	85.64	85.12	82.01	79.18
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1	N.T.P.C.(STPS)	60.9	69.2	89.33	90.42	89.86	90.79	88.27	84.91	82.22
2	NLC	69.8	66.3	72.4	79.75	72.28	80.94	80.75	82.57	82.8
3	D.V.C.	33.3	33.6	56.3	62.76	57.17	54.19	65.12	64.95	65.62

III. Private Sector	58.4	64.5	86.35	90.77	91.04	82.41	76.7	64.07	69.51
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1	A.E.Co.	67.1	67.3	95.32	100	98.74	95.23	77.79	76.7	76.19
2	Trombay	54.6	53	77.84	85.78	87.63	71.38	64.92	64.92	62.16
3	C.E.S.C.	60.8	58.3	84.97	87.77	87.12	82.82	77.79	79.19	77.41
4	BSES			101.79	101.24	100.99	102.33	101.1	101.33	100.04
5	JSWEL			-	-	-	84.29	95.93	80.03	93.42
6	JPL			-	-	-	93.01	98.14	97.78	91.01
7	GIPCL			-	-	-	83.41	79.44	66.07	82.36
8	RWPL (JSW)			-	-	-	44.03	51.93	49.64	73.77

IV. All India	53.9	55.3	77.27	78.61	77.27	77.68	74.97	73.47	69.93
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Gross Generation (Mkwh)							
S.No.	States/EDs/Central Sectors	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
I. States							
1	Andhra Pradesh	38261.1	43289.9	42439.1	51757.6	58903.7	62649.1
	State Sector	33109.7	35003.7	34033.3	32808.3	37772.8	42908.45
	Private Sector	5151.4	8286.2	8405.8	18949.3	21130.9	19740.64
2	Assam	982.1	1643.1	1859.2	1883.5	1863.9	1944.3
	State Sector	867.5	1548.8	1755.2	1803.2	1796.5	1885.77
	Private Sector	114.5	94.3	104.1	80.3	67.4	58.49
3	Bihar	104.5	322.9	498.6	914.8	731.8	600.7
	State Sector	104.5	322.9	498.6	914.8	703.3	554.16
	Private Sector	0.0	0.0	0.0	0.0	28.5	46.5
4	Chattisgarh	9609.7	11646.8	20563.9	24518.0	27053.6	26622.9
	State Sector	9609.7	10350.4	13533.4	13614.1	14054.4	13007.45
	Private Sector	0.0	1296.4	7030.4	10904.0	12999.2	13615.46
5	Delhi	5013.6	5312.9	5195.4	4931.8	4584.1	5205.8
	State Sector	5013.6	5312.9	5195.4	4931.8	4491.7	4931.54
	Private Sector	0.0	0.0	0.0	0.0	92.4	274.26
6	Goa	354.6	432.0	417.9	398.5	344.9	329.7
	State Sector	0.0	0.2	0.2	0.2	0.1	0.1
	Private Sector	354.6	431.8	417.7	398.3	344.8	329.6
7	Gujarat	44352.8	47877.6	46833.8	55736.1	62427.1	69828.2
	State Sector	29568.5	32326.9	30912.1	31425.9	30575.8	31278.18
	Private Sector	14784.3	15550.8	15921.7	24310.1	31851.3	38550.01
8	Haryana	14141.7	14569.1	17530.7	18294.1	19398.1	22743.4
	State Sector	10780.5	14540.2	17505.3	18251.6	19290.7	22606.58
	Private Sector	0.0	28.9	25.5	42.4	107.4	136.8
9	Himachal Pradesh	3057.1	3709.2	4065.4	4137.8	4821.2	8205.0
	State Sector	1455.6	2092.0	2413.5	2532.6	4821.2	3223.56
	Private Sector	1601.5	1617.2	1652.0	1605.2	0.0	4981.39
10	Jammu & Kashmir	1327.2	1542.8	2229.9	3987.6	4275.1	4351.5
	State Sector	1327.2	1542.8	2229.9	3987.6	4275.1	4351.51
	Private Sector	0.0	0.0	0.0	0.0	0.0	0
11	Jharkhand	6268.5	5129.0	5672.2	5687.4	5693.3	5404.0
	State Sector	3537.1	2719.0	3486.9	3311.2	3144.6	2992.33
	Private Sector	2731.4	2410.0	2185.3	2376.2	2548.7	2411.69
12	Karnataka	31122.8	33224.3	32884.5	37384.8	37843.6	45447.9
	State Sector	26683.4	27122.9	26418.7	27873.2	24619.1	30601.83
	Private Sector	4439.4	6101.4	6465.7	9511.6	13224.6	14846.03
13	Kerala	7960.5	9238.6	7575.9	8090.5	7740.5	8567.7
	State Sector	7743.5	8830.3	6632.7	7442.0	7517.4	8518.9
	Private Sector	216.9	408.3	943.1	648.5	223.1	48.78
14	Madhya Pradesh	18956.6	19311.8	19744.4	18950.2	19280.2	21634.5
	State Sector	18846.3	19228.4	19465.4	18574.3	18846.4	20922.02
	Private Sector	110.3	83.4	278.9	375.9	433.8	712.44
15	Maharashtra	68962.9	72140.1	69904.6	72807.3	72598.7	80782.4
	State Sector	51494.9	53892.3	51321.0	52444.5	49377.4	30165.45
	Private Sector	17468.0	18247.9	18583.6	20362.8	23221.3	50616.97
16	Meghalaya	394.5	657.7	615.6	589.0	528.3	502.59
17	Orissa	10786.0	11086.8	9142.2	7287.3	9274.9	14568.4
	State Sector	10786.0	11086.8	9142.2	7287.3	9274.9	8117.51
	Private Sector	0.0	0.0	0.0	0.0	0.0	6450.87
18	Punjab	24107.4	26314.6	27710.9	28629.7	28304.0	29984.2
	State Sector	24107.4	26148.9	27566.0	28397.0	28060.3	29680.22
	Private Sector	0.0	165.8	144.8	232.6	243.7	304.01
19	Rajasthan	22722.1	25619.4	26405.3	27291.4	30547.9	36682.8
	State Sector	22225.3	24828.4	25324.1	25622.2	27875.2	30704.76
	Private Sector	496.8	791.1	1081.1	1669.2	2672.7	5978.03
20	Tamil Nadu	40734.3	43959.2	43871.8	44258.5	43682.8	47701.0
	State Sector	29510.1	29313.0	29121.1	27981.2	25708.8	28099.64
	Private Sector	11224.2	14646.2	14750.7	16277.3	17974.0	19601.32
21	Uttar Pradesh	22969.2	22709.9	25190.6	26060.8	26968.2	30179.8
	State Sector	22969.2	22054.3	23596.3	24089.8	22342.7	22154.07
	Private Sector	0.0	655.6	1594.3	1971.0	4625.6	8025.69
22	Uttarakhand	4340.1	5542.3	6828.1	6392.2	7185.3	7824.0
	State Sector	4293.7	3671.2	4794.7	4414.8	7149.2	5608.27
	Private Sector	46.5	1871.0	2033.4	1977.4	36.1	2215.71
23	West Bengal	25783.4	27614.2	29414.8	33637.1	34449.4	36145.4
	State Sector	17829.0	19468.0	21276.1	25545.5	25542.0	27104.63
	Private Sector	7954.4	8146.2	8138.7	8091.6	8907.4	9040.73

Sub-total : (I) **402312.6** **432894.16** **446594.60** **483625.7** **508500.3** **567905.0**

Gross Generation (Mkwh)							
S.No.	States/EDs/Central Sectors	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Annexure 3.10 (Contd.)							
II.EDs							
1	A&N Islands	183.22	210.99	218.35	232.17	244.6	250.7
	<i>State Sector</i>	74.28	98.27	88.18	97.97	101.46	109.57
	<i>Private Sector</i>	108.94	112.72	130.17	134.2	143.14	141.13
2	Arunachal Pradesh	72	165.57	174.56	233.97	222.98	224.45
	<i>State Sector</i>					222.94	224.41
	<i>Private Sector</i>					0.04	0.04
3	Lakshdweep	28.15	29.88	31.71	29.27	42.53	44.02
	<i>State Sector</i>					41.22	42.71
	<i>Private Sector</i>					1.31	1.31
4	Manipur	5.98	21.08	18.87	20.04	16.28	16.14
5	Mizoram	12.11	64.69	61.46	102.83	102.12	102.13
6	Nagaland	33.58	101.81	96.74	99.49	80.28	80.32
7	Pondicherry	270.6	263.65	257.57	227.25	195.49	251.5
	<i>State Sector</i>					195.45	251.46
	<i>Private Sector</i>					0.04	0.04
8	Sikkim	35.15	139.06	138.86	163.57	131.9	146
9	Tripura	557.67	677.08	662.51	675.35	714.15	821.55
Sub-total : (II)		1198.5	1673.8	1660.6	1783.9	1750.3	1936.8
Total State Sector		403511.1	434567.97	448255.23	485409.6	510250.7	569841.78
III.CENTRAL SECTOR:							
1	NTPC	189661.0	200853.0	206913.9	218836.3	220653.7	224504.2
2	NLC	15792.5	17445.6	15765.7	17657.4	17879.3	18759.4
3	NEEPCO	2458.1	2388.7	5410.2	4557.3	5081.2	4809.4
4	RGPPPL	3727.4	7940.0	5208.5	8290.6	11876.9	11619.1
5	NSPCL			95.2	2418.4	4017.9	3978.0
6	KBUNL						207.4
7	DVC	14136.4	15705.3	15752.8	14879.0	16664.9	19832.7
9	NHDC	2606.0	3425.4	2367.5	3071.2	3197.7	4662.4
10	NHPC	13068.7	14454.4	16905.1	16958.7	18603.5	19748.8
11	SJVNL	6001.0	6404.6	6608.8	7018.9	7140.1	7610.3
12	THDC	890.0	2663.5	3172.3	2116.8	3116.0	4591.3
13	NPCIL	18802.0	16776.9	14712.6	18636.4	26266.4	32286.6
Total Central Sector		267143.1	288057.5	292912.6	314441.0	334497.5	352609.4
Total All India		670654.2	722625.5	741167.8	799850.6	844748.2	922451.2
Imports from Bhutan		3010.1	5277.9	5899.1	5359.0	5610.9	5252.7
Total All India (including Imports from Bhutan)		673664.3	727903.4	747066.9	805209.6	850359.1	927703.9

Annexure 3.13

Gross Generation (Mkwh) - 2006-07

S.No.	State/EDs/Central Sector	Hydro			Thermal			Renewables		
		SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total
I. States										
1	Andhra Pradesh	9524.4	0.0	9524.4	23580.4	5007.2	28587.6	5.0	144.2	149.2
2	Assam	15.4	0.0	15.4	852.1	114.5	966.6	0.0	0.0	982.1
3	Bihar	67.2	0.0	67.2	37.3	0.0	37.3	0.0	0.0	104.5
4	Chattisgarh	382.2	0.0	382.2	9227.5	0.0	9227.5	0.0	0.0	9609.7
5	Delhi	0.0	0.0	0.0	5013.6	0.0	5013.6	0.0	0.0	5013.6
6	Gujarat	1849.2	0.0	1849.2	27594.9	14453.9	42048.7	124.5	330.4	454.9
7	Haryana	3376.5	0.0	3376.5	10765.2	0.0	10765.2	0.0	0.0	14141.7
8	Himachal Pradesh	1455.6	1601.5	3057.1	0.0	0.0	0.0	0.0	0.0	3057.1
9	Jammu & Kashmir	1314.7	0.0	1314.7	12.4	0.0	12.4	0.0	0.0	1327.2
10	Jharkhand	208.5	0.0	208.5	3328.6	2731.4	6060.0	0.0	0.0	6268.5
11	Karnataka	15045.5	222.3	15267.8	11623.0	2834.3	14457.3	14.9	1382.7	1397.7
12	Kerala	7496.6	0.0	7496.6	246.9	216.9	463.8	0.0	0.0	7960.5
13	Madhya Pradesh	5077.8	39.9	5117.7	13768.5	0.0	13768.5	0.0	70.4	70.4
14	Maharashtra	6205.5	2137.7	8343.2	45289.3	13638.8	58928.2	0.0	1691.5	1691.5
15	Meghalaya	394.5	0.0	394.5	0.0	0.0	0.0	0.0	0.0	394.5
16	Orissa	7468.2	0.0	7468.2	3317.8	0.0	3317.8	0.0	0.0	10786.0
17	Punjab	8672.8	0.0	8672.8	15434.6	0.0	15434.6	0.0	0.0	24107.4
18	Rajasthan	3191.8	0.0	3191.8	18978.2	0.0	18978.2	55.4	496.8	552.2
19	Tamil Nadu	6320.4	0.0	6320.4	23172.1	5744.0	28916.1	17.6	5480.2	5497.8
20	Uttar Pradesh	1483.4	0.0	1483.4	21485.8	0.0	21485.8	0.0	0.0	22969.2
21	Uttarakhand	4293.7	0.0	4293.7	0.0	0.0	0.0	46.5	0.0	46.5
22	West Bengal	433.4	0.0	433.4	17395.6	7954.4	25350.0	0.0	0.0	25783.4
Sub-total : (I)		84277.3	4001.4	88278.7	251123.7	52695.4	303819.2	263.9	9596.3	9860.1
II. EDs										
1	A&N Islands	9.3	0.0	9.3	64.9	108.9	173.9	0.0	0.0	183.2
2	Arunachal Pradesh	65.0	0.0	65.0	7.0	0.0	7.0	0.0	0.0	72.0
3	Goa	0.0	0.0	0.0	0.0	354.6	354.6	0.2	0.0	354.6
4	Lakshdweep	0.0	0.0	0.0	28.2	0.0	28.2	0.0	0.0	28.2
5	Manipur	2.8	0.0	2.8	3.2	0.0	3.2	0.0	0.0	6.0
6	Mizoram	8.6	0.0	8.6	3.5	0.0	3.5	0.0	0.0	12.1
7	Nagaland	33.5	0.0	33.5	0.1	0.0	0.1	0.0	0.0	33.6
8	Puducherry	0.0	0.0	0.0	270.6	0.0	270.6	0.0	0.0	270.6
9	Sikkim	35.0	0.0	35.0	0.2	0.0	0.2	0.0	0.0	35.2
10	Tripura	46.3	0.0	46.3	511.4	0.0	511.4	0.0	0.0	557.7
Sub-total : (II)		200.6	0.0	200.6	889.0	463.5	1352.5	0.2	0.0	1553.3

State/EDs/Central Sector	Hydro			Thermal			Nuclear		
	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total
III. CENTRAL SECTOR	25022.4	0.0	25022.4	223318.8	0.0	223318.8	18802.0	0.0	18802.0
Grand Total :	109500.3	4001.4	113501.6	475331.5	53159.0	528490.4	19066.1	9596.3	28662.4

Note: All india generation exclude imports from Bhutan

Annexure 3.14

Gross Generation (Mkwh) - 2007-08										
S.No.	State/EDs/Central Sector	Hydro			Thermal			Renewables		
		SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total
I. States										
1	Andhra Pradesh	9533.8	0.0	9533.8	24830.5	6457.1	31287.7	639.3	1829.1	2468.4
2	Assam	510.2	0.0	510.2	1031.1	94.3	1125.5	7.5	0.0	7.5
3	Bihar	0.0	0.0	0.0	144.0	0.0	144.0	179.0	0.0	179.0
4	Chhattisgarh	221.5	0.0	221.5	10064.8	555.5	10620.2	64.1	741.0	805.1
5	Delhi	0.0	0.0	0.0	5312.9	0.0	5312.9	0.0	0.0	0.0
6	Gujarat	1950.6	0.0	1950.6	30334.1	14712.8	45046.9	42.2	838.0	880.1
7	Haryana	3367.9	0.0	3367.9	10949.7	0.0	10949.7	222.7	28.9	251.6
8	Himachal Pradesh	1571.3	1617.2	3188.5	0.0	0.0	0.0	520.6	0.0	520.6
9	Jammu & Kashmir	1132.3	0.0	1132.3	13.4	0.0	13.4	397.1	0.0	397.1
10	Jharkhand	210.8	0.0	210.8	2493.8	2410.0	4903.8	14.4	0.0	14.4
11	Karnataka	14370.5	0.0	14370.5	11089.1	3076.6	14165.7	1663.4	3024.7	4688.1
12	Kerala	8107.7	0.0	8107.7	374.1	408.3	782.4	348.4	0.0	348.5
13	Madhya Pradesh	5364.2	0.0	5364.2	13682.1	0.0	13682.1	182.1	83.4	265.5
14	Maharashtra	5444.3	1489.2	6933.5	47688.3	14460.9	62149.1	759.7	2297.8	3057.5
15	Meghalaya	547.5	0.0	547.5	0.0	0.0	0.0	110.2	0.0	110.2
16	Orissa	8013.7	0.0	8013.7	3047.2	0.0	3047.2	25.9	0.0	25.9
17	Punjab	9252.2	0.0	9252.2	16456.7	0.0	16456.7	440.0	165.8	605.8
18	Rajasthan	3670.2	0.0	3670.2	21064.7	0.0	21064.7	93.5	791.1	884.6
19	Tamil Nadu	6185.6	0.0	6185.6	22774.2	7351.4	30125.6	353.3	7294.8	7648.0
20	Uttar Pradesh	924.4	0.0	924.4	21040.7	0.0	21040.7	89.1	655.6	744.7
21	Uttarakhand	3377.8	1871.0	5248.9	0.0	0.0	0.0	293.4	0.0	293.4
22	West Bengal	756.0	0.0	756.0	18362.6	8146.1	26508.7	349.5	0.1	349.6
Sub-total : (I)				84512.6	4977.5	89490.0	260753.9	57672.9	318426.8	6795.2
II. EDs										
1	A&N Islands	0.0	0.0	0.0	79.6	112.6	192.2	18.6	0.1	18.8
2	Arunachal Pradesh	0.0	0.0	0.0	4.9	0.0	4.9	160.7	0.0	160.7
3	Goa	0.0	0.0	0.0	0.0	326.8	326.8	0.2	105.0	105.1
4	Lakshadweep	0.0	0.0	0.0	29.9	0.0	29.9	0.0	0.0	0.0
5	Manipur	0.0	0.0	0.0	1.7	0.0	1.7	19.4	0.0	19.4
6	Mizoram	0.0	0.0	0.0	2.7	0.0	2.7	62.0	0.0	62.0
7	Nagaland	0.0	0.0	0.0	0.0	0.0	0.0	101.8	0.0	101.8
8	Puducherry	0.0	0.0	0.0	263.6	0.0	263.6	0.0	0.0	0.0
9	Sikkim	0.0	0.0	0.0	0.2	0.0	0.2	138.9	0.0	138.9
10	Tripura	0.0	0.0	0.0	620.2	0.0	620.2	56.9	0.0	56.9
Sub-total : (II)				0.0	0.0	0.0	1002.8	439.4	1442.2	558.4
State/EDs/Central Sector										
State/EDs/Central Sector		Hydro			Thermal			Nuclear		
Sub-Sector		SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total
III. CENTRAL SECTOR		30896.6	0.0	30896.6	240203.9	0.0	240203.9	16957.0	0.0	16957.0
Grand Total :										
115409.2 4977.5 120386.7										
501960.6 58112.3 560072.9										
24310.6 17855.3 42166.0 722625.5										

Note: All india generation exclude imports from Bhutan

Gross Generation (Mkwh) - 2008-09											
S.No.	State/EDs/Central Sector	Hydro			Thermal			Renewables			Sub-Total
		SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	
I. States											
1	Andhra Pradesh	7755.1	0.0	7755.1	25677.9	6703.0	32380.9	600.4	1702.7	2303.1	42439.10
2	Assam	416.5	0.0	416.5	1247.2	104.1	1351.3	91.5	0.0	91.5	1859.22
3	Bihar	0.0	0.0	0.0	328.5	0.0	328.5	170.1	0.0	170.1	498.59
4	Chhattisgarh	262.0	0.0	262.0	13210.5	6368.4	19578.9	60.9	662.1	723.0	20563.86
5	Delhi	0.0	0.0	0.0	5195.4	0.0	5195.4	0.0	0.0	0.0	5195.40
6	Gujarat	920.5	0.0	920.5	29943.3	13961.2	43904.5	48.3	1960.5	2008.8	46833.79
7	Haryana	3471.2	0.0	3471.2	13822.5	0.0	13822.5	211.6	25.5	237.0	17530.70
8	Himachal Pradesh	1788.9	1652.0	3440.8	0.0	0.0	0.0	624.6	0.0	624.6	4065.44
9	Jammu & Kashmir	1835.7	0.0	1835.7	16.9	0.0	16.9	377.3	0.0	377.3	2229.92
10	Jharkhand	237.6	0.0	237.6	3235.6	2185.3	5420.9	13.7	0.0	13.7	5672.17
11	Karnataka	12797.7	0.0	12797.7	12108.0	3654.9	15762.9	1513.0	2810.8	4323.8	32884.45
12	Kerala	5612.7	0.0	5612.7	653.5	943.1	1596.6	366.6	0.0	366.6	7575.87
13	Madhya Pradesh	3939.2	0.0	3939.2	15285.3	0.0	15285.3	241.0	278.9	519.9	19744.36
14	Maharashtra	4113.8	1150.5	5264.3	46492.4	14267.8	60760.1	714.9	3165.3	3880.2	69904.57
15	Meghalaya	510.9	0.0	510.9	0.0	0.0	0.0	104.7	0.0	104.7	615.63
16	Orissa	5842.6	0.0	5842.6	3190.6	0.0	3190.6	109.0	0.0	109.0	9142.21
17	Punjab	9081.6	0.0	9081.6	18066.4	0.0	18066.4	418.1	144.8	562.9	27710.86
18	Rajasthan	2934.5	0.0	2934.5	22300.0	0.0	22300.0	89.6	1081.1	1170.7	26405.25
19	Tamil Nadu	5200.9	0.0	5200.9	23587.2	7815.6	31402.8	333.1	6935.1	7268.2	43871.83
20	Uttar Pradesh	1128.2	0.0	1128.2	22383.4	0.0	22383.4	84.7	1594.3	1679.0	25190.59
21	Uttarakhand	4423.8	2033.4	6457.2	0.0	0.0	0.0	370.9	0.1	371.0	6828.12
22	West Bengal	741.8	0.0	741.8	20200.3	8138.6	28339.0	334.0	0.1	334.1	29414.82
Sub-total : (I)				73015.1	4835.8	77850.9	276944.8	64141.9	341086.7	6877.8	20361.3
											27239.1
											446176.8
II. EDs											
1	A&N Islands	0.0	0.0	0.0	70.5	130.0	200.5	17.7	0.1	17.9	218.4
2	Arunachal Pradesh	0.0	0.0	0.0	21.9	0.0	21.9	152.7	0.0	152.7	174.6
3	Goa	0.0	0.0	0.0	0.0	334.6	334.6	0.2	83.1	83.2	417.9
4	Lakshadweep	0.0	0.0	0.0	31.0	0.0	31.0	0.8	0.0	0.8	31.7
5	Manipur	0.0	0.0	0.0	0.5	0.0	0.5	18.4	0.0	18.4	18.8
6	Mizoram	0.0	0.0	0.0	2.5	0.0	2.5	59.0	0.0	59.0	61.5
7	Nagaland	0.0	0.0	0.0	0.0	0.0	0.0	96.7	0.0	96.7	96.7
8	Puducherry	0.0	0.0	0.0	257.5	0.0	257.5	0.0	0.0	0.0	257.6
9	Sikkim	0.0	0.0	0.0	0.1	0.0	0.1	138.7	0.0	138.7	138.9
10	Tripura	0.0	0.0	0.0	608.5	0.0	608.5	54.0	0.0	54.0	662.5
Sub-total : (II)				0.0	0.0	0.0	992.5	464.7	1457.1	538.2	83.2
											621.4
											2078.48
State/EDs/Central Sector		Hydro			Thermal			Nuclear			Sub-Total
Sub-Sector		SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	
III. CENTRAL SECTOR		32247.6	0.0	32247.6	245738.0	0.0	245738.0	14927.0	0.0	14927.0	292912.57
Grand Total :				105262.7	4835.8	110098.5	523675.2	64606.6	588281.8	22343.0	20444.5
											42787.5
											741167.80

Note: All india generation exclude imports from Bhutan

Gross Generation (Mkwh) - 2009-10																				
S.No.	State/EDs/Central Sector	Hydro			Sub-			Thermal			Sub-			Renewables			Sub-			Total
		SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	
<i>I. States</i>																				
1	Andhra Pradesh	5600.28	0.0	5600.3	26567.9	16717.4	43285.2	640.16	2231.9	2872.1	51757.57									
2	Assam	400.37	0.0	400.4	1308.7	80.3	1389.0	94.08	0.0	94.1	1883.46									
3	Bihar	0	0.0	0.0	725.3	0.0	725.3	189.48	0.0	189.5	914.77									
4	Chattisgarh	255.05	0.0	255.1	13292.9	9675.8	22968.8	66.1	1228.1	1294.2	24518.04									
5	Delhi	0	0.0	0.0	4931.8	0.0	4931.8	0	0.0	0.0	4931.77									
6	Gujarat	838.49	0.0	838.5	30514.2	21530.4	52044.6	73.28	2779.7	2853.0	55736.07									
7	Haryana	2957.13	0.0	2957.1	15056.1	0.0	15056.1	238.41	42.4	280.9	18294.05									
8	Himachal Pradesh	1575.41	1605.2	3180.6	0.0	0.0	0.0	957.17	0.0	957.2	4137.80									
9	Jammu & Kashmir	3526.2	0.0	3526.2	12.5	0.0	12.5	448.81	0.0	448.8	3987.55									
10	Jharkhand	115.68	0.0	115.7	3181.5	2376.2	5557.7	14.05	0	14.1	5687.42									
11	Karnataka	12286.31	0.0	12286.3	13770.1	5815.92	19586.0	1816.84	3695.71	5512.6	37384.83									
12	Kerala	6415.71	0.0	6415.7	592.3	648.5	1240.8	433.96	0.0	433.96	8090.47									
13	Madhya Pradesh	3035.05	0.0	3035.1	15291.3	0.0	15291.3	247.97	375.9	623.9	18950.23									
14	Maharashtra	4820.41	1455.0	6275.4	46827.8	14647.9	61475.6	796.3	4259.9	5056.2	72807.25									
15	Meghalaya	481.33	0.0	481.3	0.0	0.0	0.0	107.68	0.0	107.7	589.01									
16	Orissa	4103.05	0.0	4103.1	2961.1	0.0	2961.1	223.14	0.0	223.1	7287.32									
17	Punjab	7335.63	0.0	7335.6	20295.7	0.0	20295.7	765.71	232.6	998.3	28629.66									
18	Rajasthan	2259.51	0.0	2259.5	23269.0	0.0	23269.0	93.7	1669.2	1762.9	27291.39									
19	Tamil Nadu	5511.03	0.0	5511.0	22209.4	7159.8	29369.2	260.76	9117.5	9378.3	44258.50									
20	Uttar Pradesh	967.94	0.0	967.9	23034.8	0.0	23034.8	87.1	1971.0	2058.1	26060.81									
21	Uttarakhand	3953.56	1977.4	5930.9	0.0	0.0	0.0	461.27	0.0	461.3	6392.18									
22	West Bengal	1077.47	0.0	1077.5	23968.5	8030.1	31998.59	499.52	61.5	560.99	33637.05									
Sub-total : (I)		67515.6	5037.6	72553.2	287810.7	86682.3	374493.0	8515.5	27665.5	36181.0	483227.20									

LEDs

1	A&N Islands	0.0	0.0	0.0	79.8	134.2	214.0	18.22	0.0	18.2	232.17	
2	Arunachal Pradesh	0.0	0.0	0.0	0.0	0.0	0.0	233.97	0.0	234.0	233.97	
3	Goa	0.0	0.0	0.0	0.0	320.9	320.9	0.17	77.4	77.6	398.48	
4	Lakshdweep	0.0	0.0	0.0	29.3	0.0	29.3	0	0.0	0.0	29.27	
5	Manipur	0.0	0.0	0.0	1.1	0.0	1.1	18.91	0.0	18.9	20.04	
6	Mizoram	0.0	0.0	0.0	4.0	0.0	4.0	98.8	0.0	98.8	102.83	
7	Nagaland	0.0	0.0	0.0	0.0	0.0	0.0	99.49	0.0	99.5	99.49	
8	Puducherry	0.0	0.0	0.0	227.3	0.0	227.3	0	0.0	0.0	227.25	
9	Sikkim	0.0	0.0	0.0	0.1	0.0	0.1	163.48	0.0	163.5	163.57	
10	Tripura	0.0	0.0	0.0	619.8	0.0	619.8	55.56	0.0	55.6	675.35	
Sub-total : (II)			0.0	0.0	0.0	961.3	455.1	1416.4	688.6	77.4	766.0	2182.42

State/EDs/Central Sector	Hydro			Thermal			Nuclear		
	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total
III. CENTRAL SECTOR	31506.2	0.0	31506.2	264298.4	0.0	264298.4	18636.4	0.0	18636.4 314440.98
Grand Total :	99021.8	5037.6	104059.4	553070.4	87137.4	640207.8	27840.5	27742.9	55583.5 799850.60

Note: All india generation exclude imports from Bhutan

Gross Generation (Mkwh) - 2010-11

S.No.	State/EDs/Central Sector	Hydro			Thermal			Renewables			Sub-Total
		SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	
I. States											
1	Andhra Pradesh	7796.79	0.0	7796.8	29441.1	19665.5	49106.6	534.92	1465.4	2000.4	58903.72
2	Assam	406.78	0.0	406.8	1313.8	67.4	1381.2	75.91	0.0	75.9	1863.89
3	Bihar	0	0.0	0.0	540.0	0.0	540.0	163.24	28.5	191.7	731.75
4	Chhattisgarh	125.21	0.0	125.2	13875.9	12303.5	26179.4	53.34	695.7	749.0	27053.60
5	Delhi	0	0.0	0.0	4491.7	88.8	4580.5	0	3.6	3.6	4584.05
6	Gujarat	1149.73	0.0	1149.7	29359.7	28303.9	57663.6	66.42	3547.4	3613.8	62427.10
7	Haryana	3526.5	0.0	3526.5	15567.9	0.0	15567.9	196.28	107.4	303.7	19398.06
8	Himachal Pradesh	3770.07	0.0	3770.1	0.0	0.0	0.0	1051.09	0.0	1051.1	4821.16
9	Jammu & Kashmir	3898.88	0.0	3898.9	14.1	0.0	14.1	362.12	0.0	362.1	4275.13
10	Jharkhand	3.46	0.0	3.5	3129.8	2548.7	5678.5	11.34	0	11.3	5693.25
11	Karnataka	10784.04	0.0	10784.0	11974.1	9278.44	21252.5	1860.92	3946.14	5807.1	37843.63
12	Kerala	6801.62	0.0	6801.6	335.2	223.1	558.3	380.57	0.0	380.6	7740.51
13	Madhya Pradesh	3739.04	0.0	3739.0	15033.0	0.0	15033.0	74.33	433.8	508.1	19280.16
14	Maharashtra	5588.78	1310.3	6899.1	43043.2	16919.1	59962.3	745.44	4991.9	5737.3	72598.72
15	Meghalaya	441.39	0.0	441.4	0.0	0.0	0.0	86.88	0.0	86.9	528.27
16	Orissa	4929.89	0.0	4929.9	4122.0	0.0	4122.0	222.96	0.0	223.0	9274.88
17	Punjab	9054.49	0.0	9054.5	18324.8	0.0	18324.8	680.96	243.7	924.7	28303.97
18	Rajasthan	2731.28	0.0	2731.3	25065.6	0.0	25065.6	78.3	2672.7	2751.0	30547.91
19	Tamil Nadu	4957.52	0.0	4957.5	20521.0	7087.2	27608.2	230.24	10886.8	11117.1	43682.76
20	Uttar Pradesh	720.63	0.0	720.6	21556.8	2873.2	24430.0	65.24	1752.4	1817.7	26968.23
21	Uttarakhand	6773.63	0.0	6773.6	0.0	0.0	0.0	375.54	36.1	411.6	7185.26
22	West Bengal	1129.99	0.0	1130.0	24009.1	8857.4	32866.5	402.92	50.0	452.9	34449.41
Sub-total : (I)		78329.7	1310.3	79640.0	281718.8	108216.1	389934.9	7719.0	30861.6	38580.5	508155.42
II. EDs											
1	A&N Islands	0.0	0.0	0.0	86.8	143.0	229.7	14.7	0.2	14.9	244.60
2	Arunachal Pradesh	0.0	0.0	0.0	2.2	0.0	2.2	220.72	0.0	220.8	222.98
3	Goa	0.0	0.0	0.0	0.0	292.3	292.3	0.14	52.5	52.6	344.92
4	Lakshdweep	0.0	0.0	0.0	41.2	0.0	41.2	0	1.3	1.3	42.53
5	Manipur	0.0	0.0	0.0	1.0	0.0	1.0	15.26	0.0	15.3	16.28
6	Mizoram	0.0	0.0	0.0	0.0	0.0	0.0	102.12	0.0	102.1	102.12
7	Nagaland	0.0	0.0	0.0	0.0	0.0	0.0	80.28	0.0	80.3	80.28
8	Puducherry	0.0	0.0	0.0	195.5	0.0	195.5	0	0.0	0.0	195.49
9	Sikkim	0.0	0.0	0.0	0.0	0.0	0.0	131.9	0.0	131.9	131.90
10	Tripura	0.0	0.0	0.0	669.3	0.0	669.3	44.83	0.0	44.8	714.15
Sub-total : (II)		0.0	0.0	0.0	996.0	435.2	1431.2	610.0	54.1	664.0	2095.25
State/EDs/Central Sector		Hydro			Thermal			Nuclear			Total
SEB/COR.		SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	
III. CENTRAL SECTOR											
Grand Total :		113105.2	1310.3	114415.5	556170.5	108651.3	664821.8	34595.3	30915.6	65510.9	844748.20

Note: All india generation exclude imports from Bhutan

Gross Generation (Mkwh) - 2011-12																											
S.No.	State/EDs/Central Sector	Hydro			Sub-			Thermal			Sub-			Renewables			Sub-										
		SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total	SEB/COR.	PVT.	Total								
I. States																											
1	Andhra Pradesh	6370.8	0.0	6370.8	35924.3	18113.7	54038.0	613.32	1627.0	2240.3	62649.09	87.11	0.0	87.1	1944.26	1337.7	58.5	1396.2	180.04	46.5	226.5	600.66					
2	Assam	460.94	0.0	460.9	374.1	0.0	374.1	56.7	756.7	813.4	26622.91	0	32.4	32.4	5205.80	12636.6	12858.8	25495.4	74.82	6232.7	6307.5	69828.19					
3	Bihar	0	0.0	0.0	4931.5	241.8	5173.4	196.28	136.8	333.1	22743.38	0.1	0.0	0.1	1477.45	29797.1	32317.4	62114.4	1477.45	0.0	1477.5	8204.95					
4	Chhattisgarh	314.11	0.0	314.1	18568.2	0.0	18568.2	365.48	0.0	365.5	4351.51	5.4	0.0	5.4	11.34	2710.9	2404.7	5115.6	11.34	7	18.3	5404.02					
5	Delhi	0	0.0	0.0	0.1	0.0	0.1	2299.12	4776.16	7075.3	45447.86	14042.8	10069.87	24112.7	420.35	290.6	48.7	339.3	420.35	0.0	420.4	8567.68					
6	Gujarat	1406.31	0.0	1406.3	15221.4	0.0	15221.4	242.33	712.4	954.8	21634.46	1406.31	1406.31	1406.31	794.44	23375.0	42344.8	65719.8	794.44	6741.1	7535.6	80782.42					
7	Haryana	3842.1	0.0	3842.1	0.0	0.0	0.0	86.88	0.0	86.9	502.59	2950.1	6368.1	9318.3	180.04	1807.95	0.0	19079.5	180.04	82.8	262.8	14568.38					
8	Himachal Pradesh	1745.98	4981.4	6727.4	0.0	0.0	0.0	684.6	304.0	988.6	29984.23	27124.7	1684.4	28809.1	78.3	5.4	0.0	5.4	78.3	4293.6	4371.9	36682.79					
9	Jammu & Kashmir	3980.62	0.0	3980.6	22587.0	5968.1	28555.1	311.44	13633.2	13944.7	47700.96	5458.31	5458.31	5458.31	70.28	9916.14	0.0	9916.14	70.28	1963.9	2034.2	30179.76					
10	Jharkhand	270.05	0.0	270.1	20627.0	6061.8	26688.8	478.3	38.8	517.1	7823.98	2129.97	2176.9	7306.8	0.0	0.0	0.0	25625.2	8989.1	34614.4	401.52	51.6	453.1	36145.36			
11	Karnataka	14259.88	0.0	14259.9	19079.5	0.0	19079.5	9110.1	41436.8	50546.9	567575.24	277209.4	147529.7	424739.2	9110.1	277209.4	147529.7	424739.2	9110.1	41436.8	50546.9	567575.24					
12	Kerala	7807.98	0.0	7808.0	251.5	0.0	251.5	Sub-total :(I)	83599.8	8689.3	92289.2	1456.75	2176.9	7306.8	Sub-total :(I)	0.0	0.0	0.0	1169.4	418.0	1587.4	Sub-total :(I)	0.0	0.0	0.0		
13	Madhya Pradesh	5458.31	0.0	5458.3	0.0	0.0	0.0	Sub-total :(I)	0.0	0.0	0.0	222.84	0.0	221.9	Sub-total :(I)	0.0	0.0	0.0	94.9	141.0	235.8	Sub-total :(I)	0.2	14.9	250.70		
14	Maharashtra	5996.01	1531.1	7527.1	0.0	0.0	0.0	0.14	52.5	52.6	329.73	2.6	0.0	2.6	0.14	277.1	277.1	277.1	42.7	0.0	42.7	0.14	0	1.3	1.3	44.02	
15	Meghalaya	415.71	0.0	415.7	0.9	0.0	0.9	15.26	0.0	15.3	16.14	0.0	0.0	0.0	15.26	0.0	0.0	0.0	102.12	0.0	102.1	102.12	0.0	0.0	0.0	102.13	
16	Orissa	4987.33	0.0	4987.3	0.0	0.0	0.0	80.28	0.0	80.3	80.32	2950.1	6368.1	9318.3	80.28	0.0	0.0	0.0	251.5	0.0	251.5	251.5	0.0	0.0	0.0	251.50	
17	Punjab	9916.14	0.0	9916.1	0.0	0.0	0.0	145.91	0.0	145.9	146.00	27124.7	1684.4	28809.1	145.91	0.0	0.0	0.0	776.7	0.0	776.7	776.7	0.0	0.0	0.0	776.7	
18	Rajasthan	3501.74	0.0	3501.7	0.0	0.0	0.0	44.83	0.0	44.8	821.55	22587.0	5968.1	28555.1	44.83	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)
19	Tamil Nadu	5201.22	0.0	5201.2	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)			
20	Uttar Pradesh	1456.75	0.0	1456.8	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)			
21	Uttarakhand	5129.97	2176.9	7306.8	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)			
22	West Bengal	1077.89	0.0	1077.9	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)	0.0	0.0	0.0	Sub-total :(II)			
II. EDs																											
1	A&N Islands	0.0	0.0	0.0	0.0	0.0	0.0	14.7	0.2	14.9	250.70	2.6	0.0	2.6	221.84	0.0	221.9	221.84	0.14	52.5	52.6	329.73					
2	Arunachal Pradesh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
3	Goa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
4	Lakshadweep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
5	Manipur	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
6	Mizoram	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
7	Nagaland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
8	Puducherry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
9	Sikkim	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
10	Tripura	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
III. CENTRAL SECTOR																				282100.6	0.0	282100.6	32286.6	0.0	32286.6	352609.43	
Grand Total :																				560479.4	147947.8	708427.1	42021.8	41490.8	83512.6	922451.21	

Note: All India generation exclude imports from Bhutan

GROSS GENERATION (Owned Units)

(MkWh)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	32110.10	37320.61	42259.26	37320.61	42259.26
2	Assam	1711.12	1707.58	1792.67	1707.58	1792.67
3	Bihar	264.71	220.44	167.04	220.44	167.04
4	Chhatisgarh	13545.43	14057.70	12982.78	14057.70	12982.78
5	Delhi	5045.00	4485.00	4953.63	6046.47	
6	Gujarat	28332.00	27775.34	28471.13	27775.34	28471.13
7	Haryana	17897.20	18903.71	22278.92	18903.71	22278.92
8	Himachal Pradesh	1711.49	1951.82	1914.68	1951.82	1914.68
9	Jammu & Kashmir	2122.45	2310.82	2562.72	2310.82	2562.72
10	Jharkhand	1246.81	678.45	704.19	678.45	704.19
11	Karnataka	26020.20	22543.01	28239.48	22543.01	28239.48
12	Kerala	7240.38	7412.59	8350.74	7412.59	8350.74
13	Madhya Pradesh	16909.47	16716.36	18320.74	16716.36	18320.74
14	Maharashtra	51050.89	47958.07	47524.51	47958.07	47524.51
15	Meghalaya	536.15	509.16	519.69	509.16	519.69
16	Orissa	6875.00	7942.00	7937.47	7555.38	9221.00
17	Punjab	27662.17	27767.71	29033.22	27767.71	29033.22
18	Rajasthan	22428.00	23477.23	26748.56	23477.23	26748.56
19	Tamil Nadu	27841.38	25638.64	27943.12	25638.64	27943.12
20	Uttar Pradesh	23856.32	22296.75	21838.71	22296.75	21838.71
21	Uttrakhand	4126.04	4906.35	5263.66	4906.35	5263.66
22	West Bengal	1132.96	1235.32	1194.44	1235.32	1194.44

Sub-total (SPUs)	319665.26	317814.65	341001.37	318989.50	337331.27
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II. Electricity Departments

1	Arunachal Pradesh	179.62	227.71	177.43	227.71	177.43
2	Goa	0.00	0.00	0.00	0.00	0.00
3	Manipur	2.03	2.03	1.62	2.03	1.62
4	Mizoram	17.53	33.66	22.80	33.66	22.80
5	Nagaland	78.81	74.86	88.00	74.86	88.00
6	Pondicherry	221.32	195.59	251.41	195.59	251.41
7	Sikkim	38.66	41.66	21.12	41.66	21.12
8	Tripura	658.35	772.13	816.58	772.13	816.58

Sub-total (Eds) :	1196.33	1347.63	1378.95	1347.63	1378.95
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Total (I+II) :	320861.59	319162.29	342380.32	320337.14	338710.22
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AUXILIARY CONSUMPTION (Owned Units)

(%)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	7.87	7.19	7.48	7.96	7.38
2	Assam	5.49	5.43	5.73	5.07	4.67
3	Bihar	14.40	17.95	15.95	0.00	10.53
4	Chhatisgarh	8.70	8.23	9.08	8.84	5.22
5	Delhi	5.65	4.84	4.21		
6	Gujarat	8.38	9.36	8.79	8.80	8.34
7	Haryana	8.12	8.32	7.55	7.28	7.08
8	Himachal Pradesh	0.33	0.00	0.00	0.00	0.00
9	Jammu & Kashmir	1.00	1.00	1.00	1.00	1.00
10	Jharkhand	13.05	14.25	8.42	11.30	12.38
11	Karnataka	4.42	5.33	5.02	5.48	5.49
12	Kerala	0.70	0.74	0.73	0.67	0.61
13	Madhya Pradesh	8.79	9.38	8.12	7.53	7.60
14	Maharashtra	8.33	8.55	8.47	8.83	8.59
15	Meghalaya	0.25	0.25	0.41	0.40	0.40
16	Orissa	6.21	5.98	5.73	5.04	4.71
17	Punjab	6.36	5.75	5.73	6.08	6.30
18	Rajasthan	9.01	9.13	8.91	8.51	8.30
19	Tamil Nadu	7.23	7.21	6.86	7.03	7.60
20	Uttar Pradesh	10.22	10.24	9.17	9.86	9.92
21	Uttarakhand	0.33	0.39	0.30	0.34	0.34
22	West Bengal	5.01	4.69	4.50	4.17	4.33

Average of SPUs :	7.45	7.50	7.16	7.40	7.26
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II. Electricity Departments

1	Arunachal Pradesh	0.86	0.64	1.58	1.58	1.22
2	Goa	0.00	0.00	0.00	0.00	0.00
3	Manipur	1.19	1.03	0.73	4.23	4.26
4	Mizoram	1.13	0.54	2.06	0.54	0.37
5	Nagaland	6.92	6.44	6.18	6.39	6.09
6	Pondicherry	6.41	6.49	6.24	6.00	6.00
7	Sikkim	0.31	0.31	0.24	6.15	1.32
8	Tripura	1.47	0.98	0.99	0.98	0.99

Average of EDs :	2.61	2.00	2.36	2.34	2.10
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Average - All States & UTs	7.43	7.47	7.14	7.38	7.24
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NET GENERATION OF ELECTRICITY (Owned Units)

(MkWh)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I.SPUs

1	Andhra Pradesh	29581.59	34638.04	39096.85	38277.57	43007.76
2	Assam	1617.25	1614.87	1690.02	1709.65	1985.93
3	Bihar	226.60	180.88	140.39	-33.92	1113.94
4	Chhatisgarh	12366.45	12900.64	11803.80	12608.13	22235.11
5	Delhi	4760.00	4268.00	4841.00		
6	Gujarat	25957.00	25176.64	25968.13	25366.93	29344.01
7	Haryana	16443.53	17331.54	20597.83	19179.21	23552.10
8	Himachal Pradesh	1705.90	1951.82	1914.68	0.00	0.00
9	Jammu & Kashmir	2101.23	2287.71	2537.10	2520.57	2769.74
10	Jharkhand	1084.09	581.77	644.91	673.26	1190.76
11	Karnataka	24870.20	21342.59	26822.96	25547.17	27887.33
12	Kerala	7189.51	7357.47	8289.89	5593.00	6795.83
13	Madhya Pradesh	15423.60	15147.75	16833.12	18167.00	24516.35
14	Maharashtra	46797.89	43858.07	43500.51	49886.42	58080.37
15	Meghalaya	534.79	507.90	517.54	722.65	926.28
16	Orissa	6448.00	7467.00	7482.47	7174.50	8787.06
17	Punjab	25901.73	26170.33	27368.70	25702.81	26455.28
18	Rajasthan	20407.18	21334.35	24363.94	25510.80	32511.04
19	Tamil Nadu	25827.38	23791.31	26027.12	24001.79	35119.64
20	Uttar Pradesh	21418.69	20013.98	19836.88	22801.37	24666.87
21	Uttrakhand	4112.52	4887.33	5247.81	4726.75	4699.18
22	West Bengal	1076.19	1177.38	1140.73	1324.79	1316.00

Sub-total : (I)	295851.32	293987.37	316666.38	311460.45	376960.58
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II.EDs

1	Arunachal Pradesh	178.07	226.25	174.63	174.63	268.20
2	Goa	0.00	0.00	0.00	0.00	0.00
3	Manipur	2.01	2.01	1.60	5.49	5.69
4	Mizoram	17.33	33.48	22.33	45.76	53.44
5	Nagaland	73.36	70.04	82.56	82.47	86.78
6	Pondicherry	207.13	182.89	235.73	239.70	235.00
7	Sikkim	38.54	41.53	21.07	3.05	5.97
8	Tripura	648.70	764.56	808.53	802.03	905.98

Sub-total : (II)	1165.14	1320.75	1346.45	1353.14	1561.07
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Total (I+II) :	297016.46	295308.12	318012.83	312813.59	378521.65
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GROSS PURCHASE OF POWER (including from its owned Units)

(MkWh)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	73225	77365	84388	82924	103535
2	Assam	4990	5616	5965	6227	7413
3	Bihar	9610	10702	11825	13660	15116
4	Chhatisgarh	19591	19136	19979	22326	30043
5	Delhi	25562	30684	31654		
6	Gujarat	55306	61219	67144	70433	76672
7	Haryana	32020	33744	37572	41699	42077
8	Himachal Pradesh	6616	7440	7929	10066	10409
9	Jammu & Kashmir	8269	8356	8529	8920	9294
10	Jharkhand	7859	9521	9353	10328	11437
11	Karnataka	43005	47497	53091	57691	62674
12	Kerala	10200	10512	11271	15050	15281
13	Madhya Pradesh	20139	23652	26098	31024	40383
14	Maharashtra	85474	90341	98662	108631	118788
15	Meghalaya	947	1129	1166	1062	1558
16	Orissa	19524	21245	21248		
17	Punjab	14838	14740	14911	19779	21259
18	Rajasthan	44372	47155	50116	55037	60550
19	Tamil Nadu	45025	51151	47870	47681	55467
20	Uttar Pradesh	61040	65600	73919	80022	87193
21	Uttarakhand	8280	9249	10311	11068	11950
22	West Bengal	26020	28800	29813	35541	35652

Sub-Total : (I)	621914	674854	722814	729168	816751
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II. EDs

1	Arunachal Pradesh	310	401	484	484	638
2	Goa	3450	3621	3756	3573	3515
3	Manipur	534	638	624	665	840
4	Mizoram	347	404	441	468	533
5	Nagaland	439	519	506	513	596
6	Pondicherry	2682	2821	3201	3252	3390
7	Sikkim	885	948	915	955	1023
8	Tripura	422	484	436	550	1100

Sub-Total : (II)	9069	9835	10363	10460	11635
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Total (I+II) :	630983	684689	733177	739628	828386
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Annexure 3.23

NET PURCHASE OF POWER (excluding sale outside state)

(MkWh)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	72380.00	75241.00	83442.00	82924.00	103535.00
2	Assam	4821.46	5188.81	5819.20	6136.78	6632.33
3	Bihar	9054.53	9853.60	10661.07	13060.10	14416.00
4	Chhattisgarh	17585.34	18056.64	19173.63	20972.46	22265.00
5	Delhi	24837.00	29622.00	29974.00		
6	Gujarat	51701.00	55325.00	59995.00	64058.95	70062.77
7	Haryana	31330.64	32231.46	35457.87	37816.00	34677.36
8	Himachal Pradesh	5332.34	5735.18	6330.27	8593.94	9068.77
9	Jammu & Kashmir	8269.42	8356.41	8528.77	8919.79	9293.78
10	Jharkhand	7562.82	8762.11	8917.84	10327.74	11437.14
11	Karnataka	43005.10	47497.13	53091.17	57691.11	62673.98
12	Kerala	10123.30	10382.04	11069.61	15049.78	15280.57
13	Madhya Pradesh	20139.00	23651.50	26097.87	31023.81	40383.49
14	Maharashtra	85473.97	90340.82	98662.22	108631.20	118788.35
15	Meghalaya	811.89	839.15	1166.03	1061.93	1558.00
16	Orissa	19524.00	21245.00	21248.00		
17	Punjab	14377.53	14301.58	14466.59	19666.24	21141.57
18	Rajasthan	43661.28	46545.10	49573.26	54401.56	59914.62
19	Tamil Nadu	44007.29	50739.38	47469.51	47278.50	54944.38
20	Uttar Pradesh	61039.76	65599.61	73918.84	80022.50	87192.73
21	Uttarakhand	8278.95	9248.68	10310.64	11067.52	11949.87
22	West Bengal	23733.41	26388.57	27739.85	30256.64	33661.12

Sub-Total : (I) 607050.03 655150.78 703113.24 708960.55 788876.84

II. EDs

1	Arunachal Pradesh	230.96	268.59	418.44	426.54	462.81
2	Goa	3061.02	3286.14	3332.85	3447.70	3495.90
3	Manipur	464.04	527.44	520.52	563.51	715.64
4	Mizoram	308.18	323.14	376.84	393.05	428.05
5	Nagaland	363.33	426.20	446.43	473.48	506.30
6	Pondicherry	2526.77	2558.60	2684.68	2801.91	2939.72
7	Sikkim	519.63	556.72	358.73	375.19	376.43
8	Tripura	110.19	79.51	101.14	190.25	282.51

Sub-Total : (II) 7584.12 8026.35 8239.63 8671.63 9207.36

Total (I+II) : 614634.15 663177.12 711352.87 717632.18 798084.20

Note: Delhi data is for NDPL Discom only

PURCHASE OF POWER BY MAJOR SOURCES

(MkWh)

S.No	State	2009-10		2010-11		2011-12		2012-13		2013-14	
		Central Sector	Others								

I. SPUs

1	Andhra Pradesh	21993.0	51232.0	20370.0	56995.0	21465.0	62923.0	21549.0	61375.0	24419.0	79116.0
2	Assam	3266	1724	3850	1766	3530	2435	3681	2546	5325	2088
3	Bihar	8623	987	10193	509	11365	460	11195	2465	11394	3722
4	Chhattisgarh	5120	14472	4656	14480	5546	14434	6968	15358	7484	22559
5	Gujarat	18598	36708	16873	44346	18172	48972	22452	47981	22467	54205
6	Haryana	3082	28938	3293	30451	4165	33407	11677	30022	11627	30451
7	Himachal Pradesh	2150	4466	3121	4319	2746	5183	2736	7330	3412	6997
8	Jammu & Kashmir	7740	529	8105	251	8384	144	8559	361	9073	221
9	Jharkhand	5721	2138	7155	2367	7067	2286	6590	3737	7034	4403
10	Karnataka	9065	33941	9217	38281	9776	43315	9608	48083	12355	50319
11	Kerala	7288	2912	7245	3267	8290	2981	9225	5825	10236	5045
12	Madhya Pradesh	15447	4692	17086	6566	17512	8586	18637	12386	21066	19318
13	Maharashtra	24610	60864	24105	66236	26498	72164	31641	76990	34145	84643
14	Meghalaya	947	0	1129	0	1166	0	1062	0	1558	0
15	Punjab	10894	3945	11248	3492	11481	3431	12061	7718	12465	8794
16	Rajasthan	6900	37472	7834	39321	7708	42408	9109	45928	8500	52049
17	Tamil Nadu	21376	23649	21690	29461	20915	26955	21181	26500	33182	22285
18	Uttar Pradesh	35548	25491	37865	27735	42837	31082	41313	38710	38697	48496
19	Uttrakhand	3317	4963	3937	5312	4037	6273	4264	6803	4500	7450
20	West Bengal	6665	19355	6874	21926	6701	23112	9540	26001	10933	24719

Sub-Total : (I) 218351 358478 225846 397079 239362 430550 263048 466120 289872 526879**II. EDs**

1	Arunachal Pradesh	310	0	401	0	484	0	484	0	638	0
2	Goa	3216	235	3350	271	3202	554	3353	220	3325	190
3	Manipur	465	69	549	90	546	78	590	75	768	71
4	Mizoram	269	79	302	101	323	118	363	105	433	100
5	Nagaland	421	18	489	30	480	26	487	26	570	26
6	Pondicherry	2071	611	2205	616	2545	656	2545	707	2705	685
7	Sikkim	885	0	948	0	915	0	955	0	1023	0
8	Tripura	422	0	484	0	436	0	550	0	1100	0

Sub-Total : (II) 8058 1011 8727 1108 8930 1433 9327 1133 10562 1072**Total (I+II) : 226408 359489 234573 398187 248292 431983 272375 467254 300435 527951**

SHARE OF PURCHASE IN TOTAL SALE

(%)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	122.1	119.5	119.0	119.0	118.1
2	Assam	146.1	141.7	145.0	140.4	135.4
3	Bihar	158.4	174.3	176.6	172.8	150.2
4	Chhattisgarh	147.1	144.8	142.9	135.6	124.7
5	Delhi	119.0	120.6	118.6		
6	Gujarat	120.6	122.2	122.3	122.6	121.8
7	Haryana	135.9	132.1	129.7	131.1	104.7
8	Himachal Pradesh	93.2	89.1	93.1	114.1	113.7
9	Jammu & Kashmir	215.7	206.8	199.9	146.3	143.6
10	Jharkhand	135.8	140.4	143.9	139.2	131.2
11	Karnataka	127.2	127.6	125.1	123.6	122.4
12	Kerala	72.6	71.6	70.5	87.6	82.9
13	Madhya Pradesh	89.3	93.3	91.7	91.4	84.0
14	Maharashtra	133.7	126.7	123.1	121.3	123.1
15	Meghalaya	96.8	102.2	98.7	83.0	82.4
16	Odisha	159.7	162.2	162.8		
17	Punjab	45.4	44.0	42.5	52.3	53.3
18	Rajasthan	141.6	136.5	132.2	129.9	127.6
19	Tamil Nadu	77.9	86.9	78.2	83.4	76.5
20	Uttar Pradesh	145.1	145.0	146.1	140.5	136.9
21	Uttarakhand	132.50	127.60	124.90	123.50	122.30
22	West Bengal	132.2	132.2	133.3	126.2	127.7

Sub-Total : (I)	109.30	108.90	107.70	115.70	111.60
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II. EDs

1	Arunachal Pradesh	130.4	125.3	156.0	128.3	121.1
2	Goa	117.9	118.3	118.3	118.9	119.6
3	Manipur	183.6	167.1	145.6	140.5	137.9
4	Mizoram	151.2	126.9	139.5	131.1	128.4
5	Nagaland	134.8	137.4	143.3	145.9	139.4
6	Pondicherry	115.6	114.1	112.8	112.8	112.7
7	Sikkim	121.50	130.10	119.70	118.90	116.90
8	Tripura	52.3	49.7	45.4	52.4	70.2

Sub-Total : (II)	115.3	113.9	113.3	112.5	112.2
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Total (I+II) :	109.4	109	107.8	115.7	111.6
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PURCHASE OF POWER FROM CENTRAL SECTOR AS PERCENTAGE OF TOTAL PURCHASE

(%)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	30.03	26.33	25.44	25.99	23.59
2	Assam	65.45	68.55	59.18	59.11	71.83
3	Bihar	89.73	95.24	96.11	81.95	75.38
4	Chhatisgarh	26.13	24.33	27.76	31.21	24.91
5	Gujarat	33.63	27.56	27.06	31.88	29.30
6	Haryana	9.63	9.76	11.09	28.00	27.63
7	Himachal Pradesh	32.50	41.95	34.64	27.18	32.78
8	Jammu & Kashmir	93.60	96.99	98.31	95.96	97.62
9	Jharkhand	72.80	75.14	75.55	63.81	61.50
10	Karnataka	21.08	19.40	18.41	16.65	19.71
11	Kerala	71.45	68.92	73.55	61.30	66.99
12	Madhya Pradesh	76.70	72.24	67.10	60.07	52.16
13	Maharashtra	28.79	26.68	26.86	29.13	28.74
14	Meghalaya	100.00	100.00	100.00	100.00	100.00
15	Punjab	73.42	76.31	76.99	60.98	58.63
16	Rajasthan	15.55	16.61	15.38	16.55	14.04
17	Tamil Nadu	47.48	42.40	43.69	44.42	59.82
18	Uttar Pradesh	58.24	57.72	57.95	51.63	44.38
19	Uttarakhand	40.06	42.57	39.16	38.53	37.66
20	West Bengal	25.62	23.87	22.48	26.84	30.67

Sub-Total : (I)	37.85	36.26	35.73	36.08	35.49
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II. EDs

1	Arunachal Pradesh	100.00	100.00	100.00	100.00	100.00
2	Goa	93.20	92.52	85.25	93.85	94.60
3	Manipur	87.04	85.97	87.46	88.67	91.52
4	Mizoram	77.34	74.90	73.21	77.57	81.24
5	Nagaland	95.97	94.25	94.82	94.89	95.60
6	Pondicherry	77.21	78.15	79.51	78.25	79.79
7	Sikkim	100.00	100.00	100.00	100.00	100.00
8	Tripura	100.00	100.00	100.00	100.00	100.00

Sub-Total : (II)	88.85	88.74	86.18	89.16	90.78
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Total (I+II) :	38.64	37.07	36.50	36.83	36.27
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PURCHASE OF POWER FROM CENTRAL SECTOR AS PERCENTAGE OF AVAILABILITY

(%)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
1	Andhra Pradesh	30.03	26.33	25.44	25.99	23.59
2	Assam	65.45	68.55	59.18	59.11	71.83
3	Bihar	87.66	93.66	94.98	82.16	70.20
4	Chhatisgarh	26.13	24.33	27.76	31.21	24.91
5	Gujarat	33.63	27.56	27.06	31.88	29.30
6	Haryana	9.63	9.76	11.09	28.00	23.03
7	Himachal Pradesh	25.84	33.25	27.92	27.18	32.78
8	Jammu & Kashmir	74.64	76.15	75.77	74.82	75.21
9	Jharkhand	63.97	70.81	70.68	59.91	55.70
10	Karnataka	21.08	19.40	18.41	16.65	19.71
11	Kerala	41.91	40.55	42.38	44.69	46.37
12	Madhya Pradesh	43.44	44.04	40.79	37.89	32.46
13	Maharashtra	28.79	26.68	26.86	29.13	28.74
14	Meghalaya	63.92	68.97	69.26	59.51	62.71
15	Punjab	26.74	27.49	27.15	26.52	26.12
16	Rajasthan	15.55	16.61	15.38	16.55	14.04
17	Tamil Nadu	30.35	29.18	28.40	29.65	36.77
18	Uttar Pradesh	58.24	57.72	57.95	51.63	44.38
19	Uttrakhand	40.06	42.57	39.16	38.53	37.66
20	West Bengal	25.81	23.87	22.56	26.73	30.55
Sub-Total : (I)		33.27	32.25	31.75	32.62	31.38

II. EDs

1	Arunachal Pradesh	63.52	63.93	73.48	73.48	70.40
2	Goa	93.20	92.52	85.25	93.85	94.60
3	Manipur	86.71	85.70	87.23	87.94	90.90
4	Mizoram	73.67	69.16	69.69	70.66	73.84
5	Nagaland	82.23	83.04	81.53	81.76	83.45
6	Pondicherry	77.21	78.15	79.51	78.25	79.79
7	Sikkim	95.83	95.80	97.75	99.68	99.42
8	Tripura					
Sub-Total : (II)		80.36	79.53	77.83	80.59	81.49
Total (I+II) :		33.98	32.98	32.44	33.30	32.07

Transmission & Distribution Losses (As per SPUs)

(MkWh)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
I. SPUs						
1	Andhra Pradesh	13261	12622	13487	13264	15899
2	Assam	1400	1359	1735	1662	1736
3	Bihar	3769	4744	5271	5723	6167
4	Chhattisgarh	6274	5918	5997	5866	5946
5	Gujarat	9450	11140	12263	12962	13741
6	Haryana	8463	8193	8598	9891	10273
7	Himachal Pradesh	1224	1039	1321	1248	1257
8	Jammu & Kashmir	6538	6603	6799	5345	5593
9	Jharkhand	3155	3321	3500	3584	3910
10	Karnataka	9195	10282	10640	11013	11489
11	Kerala	3342	3192	3580	3462	3648
12	Madhya Pradesh	13011	13441	14484	15249	16805
13	Maharashtra	21533	19062	18530	19075	22327
14	Meghalaya	503	532	502	505	595
15	Punjab	8043	7428	7235	7661	7803
16	Rajasthan	13031	12602	12212	12660	13090
17	Tamil Nadu	12662	15469	12414	14286	17687
18	Uttar Pradesh	18966	20365	23326	23067	23510
19	Uttarakhand	2031	1999	2058	2103	2181
20	West Bengal	6151	7203	7509	7525	7880
Sub-Total-I(SEBs)		162000	166513	171458	176150	191535

II EDs

1	Arunachal Pradesh	250	307	348	281	379
2	Goa	523	559	580	569	577
3	Manipur	245	258	197	197	237
4	Mizoram	135	119	147	157	171
5	Nagaland	187	211	236	244	255
6	Pondicherry	362	349	363	368	383
7	Sikkim	195	261	172	155	154
8	Tripura	264	275	286	302	438

Sub-Total-II(EDs)	1912	2033	1981	1992	2215
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Total: (I+II)	163912	168546	173439	178142	193750
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T & D Losses as percentage of Availability (As per SPUs)

(%)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	18.11	16.31	15.98	16.00	15.36
2	Assam	28.06	24.21	29.08	26.69	23.41
3	Bihar	38.32	43.59	44.05	42.00	38.00
4	Chhatisgarh	32.02	30.92	30.01	26.27	19.79
5	Gujarat	17.09	18.20	18.26	18.40	17.92
6	Haryana	26.43	24.28	22.88	23.72	20.35
7	Himachal Pradesh	14.71	11.08	13.42	12.39	12.08
8	Jammu & Kashmir	63.04	62.03	61.44	46.72	46.36
9	Jharkhand	35.27	32.87	35.01	32.58	30.96
10	Karnataka	21.38	21.65	20.04	19.09	18.33
11	Kerala	19.22	17.86	18.30	16.77	16.52
12	Madhya Pradesh	36.59	34.64	33.74	31.00	25.89
13	Maharashtra	25.19	21.10	18.78	17.56	18.80
14	Meghalaya	33.95	32.48	29.81	28.28	23.93
15	Punjab	19.74	18.16	17.11	16.84	16.35
16	Rajasthan	29.37	26.73	24.37	23.00	21.62
17	Tamil Nadu	17.98	20.81	16.86	20.00	19.60
18	Uttar Pradesh	31.07	31.04	31.56	28.83	26.96
19	Uttrakhand	24.53	21.61	19.96	19.00	18.25
20	West Bengal	23.82	25.01	25.27	21.09	22.02

Sub-Total-I(SEBs)	24.69	23.78	22.75	21.84	20.73
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II EDs

1	Arunachal Pradesh	51.30	48.99	52.91	42.74	41.86
2	Goa	15.16	15.44	15.45	15.92	16.41
3	Manipur	45.75	40.36	31.52	29.42	27.98
4	Mizoram	36.99	27.24	31.76	30.50	29.19
5	Nagaland	36.46	35.89	40.00	40.93	37.37
6	Pondicherry	13.52	12.38	11.34	11.31	11.29
7	Sikkim	21.10	26.35	18.36	16.19	14.93
8	Tripura	24.70	22.04	22.95	22.36	21.86

Sub-Total-II(EDs)	19.07	18.53	17.26	17.21	17.09
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Total: (I+II)	24.60	23.70	22.66	21.78	20.68
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Annexure 3.30

Aggregate Technical & Commercial losses of SPUs (within state)

(%)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
1	Andhra Pradesh	20.61	19.39	18.32	16.13	15.35
2	Arunachal Pradesh	NA	74.27	72.67	73.04	75.05
3	Assam	36.77	35.37	38.33	32.20	29.99
4	Bihar	47.60	45.79	45.66	44.67	42.71
5	Chattisgarh	35.17	37.78	46.62	37.96	35.45
6	Gujarat	26.30	26.43	25.46	23.81	22.09
7	Haryana	29.01	28.43	30.03	24.74	23.06
8	Himachal Pradesh	19.52	15.63	20.62	14.24	16.48
9	Jammu & Kashmir	73.43	70.69	72.03	64.24	61.48
10	Jharkhand	53.91	54.41	50.86	43.45	41.63
11	Karnataka	31.63	24.79	24.11	20.57	20.07
12	Kerala	44.80	34.98	28.81	24.48	24.04
13	Madhya Pradesh	46.64	45.78	42.29	40.72	39.30
14	Maharashtra	30.67	28.75	27.44	24.04	23.13
15	Manipur	82.90	86.75	83.55	72.50	73.02
16	Meghalaya	39.74	35.36	43.44	39.08	40.76
17	Mizoram	38.38	46.43	42.89	41.44	38.94
18	Nagaland	51.20	55.85	58.02	40.16	35.15
19	Orissa	39.70	45.60	44.66		
20	Punjab	22.36	19.76	19.97	17.87	16.88
21	Rajasthan	40.18	32.99	31.20	30.79	27.27
22	Sikkim	46.87	46.81	51.37	46.81	46.51
23	Tamil Nadu	19.25	20.19	18.26	18.80	17.88
24	Tripura	41.44	37.58	35.60	32.06	29.83
25	Uttar Pradesh	38.89	35.29	42.09	33.84	27.38
26	Uttarakhand	35.37	29.35	32.69	23.30	21.32
27	West Bengal	20.67	28.81	27.80	26.87	24.96
28	Delhi	20.78	15.76	18.56		

Sale of Power

(MkWh)

S.No	State	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I SPUs

1	Andhra Pradesh	59964	64743	70901	69660	87636
2	Assam	3416	3963	4115	4435	5476
3	Bihar	6067	6139	6695	7903	10063
4	Chhattisgarh	13317	13219	13983	16461	24097
5	Delhi	21485	25439	26693		
6	Gujarat	45856	50079	54881	57470	62931
7	Haryana	23558	25551	28974	31808	40207
8	Himachal Pradesh	7098	8346	8517	8818	9152
9	Jammu & Kashmir	3833	4041	4267	6096	6471
10	Jharkhand	5789	6783	6498	7417	8718
11	Karnataka	33810	37215	42451	46678	51185
12	Kerala	14048	14678	15981	17181	18428
13	Madhya Pradesh	22551	25359	28447	33942	48095
14	Maharashtra	63941	71279	80133	89556	96462
15	Meghalaya	979	1105	1182	1280	1890
16	Orissa	12228	13099	13054		
17	Punjab	32697	33481	35045	37821	39911
18	Rajasthan	31342	34552	37904	42377	47460
19	Tamil Nadu	57775	58861	61227	57146	72550
20	Uttar Pradesh	42074	45234	50593	56955	63683
21	Uttarakhand	6249	7251	8253	8965	9769
22	West Bengal	19677	21600	22201	28160	27908

Sub-Total-I(SPUs)	527754	572017	621995	630129	732092
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II EDs

1	Arunachal Pradesh	238	320	310	377	527
2	Goa	2927	3062	3176	3004	2938
3	Manipur	291	382	429	473	609
4	Mizoram	230	318	316	357	415
5	Nagaland	326	377	353	352	428
6	Pondicherry	2320	2472	2838	2884	3007
7	Sikkim	729	728	764	803	876
8	Tripura	806	973	959	1050	1567

Sub-Total-II(EDs)	7865	8633	9145	9301	10367
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Grand Total: (I+II)	535619	580650	631140	639430	742459
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CONSUMER CATEGORYWISE SALE OF POWER - 2009-10

(MkWh)

S.No	State	Domestic	Commercial	Agri/ Irrigation	Industry	Railway traction	Outside the State/UT	Others	Total
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I. SPUs

1	Andhra Pradesh	13102.0	3385.0	18306.0	17653.0	1526.0	845.0	5147.0	59964.0
2	Assam	1140.8	481.9	28.9	1134.4	0.0	168.3	461.5	3415.7
3	Bihar	1964.7	470.2	794.0	1667.5	444.8	555.5	170.5	6067.2
4	Chhattisgarh	2805.4	754.4	1751.6	5108.3	703.3	2006.0	188.5	13317.5
5	Delhi	2004.0	1023.0	20.0	1884.0	54.0	725.0	120.0	5830.0
6	Gujarat	6130.0	2277.0	12825.0	17381.0	642.0	3605.0	2996.0	45856.0
7	Haryana	4354.4	1631.6	9178.1	6101.9	493.4	689.4	1108.6	23557.5
8	Himachal Pradesh	1112.1	305.7	31.0	3596.9	0.0	1284.0	768.7	7098.4
9	Jammu & Kashmir	1380.00	295.00	295.00	856.00	0.00	0.00	1007.00	3833.0
10	Jharkhand	2256.0	265.7	65.7	2108.8	603.2	296.3	192.9	5788.7
11	Karnataka	7366.0	4349.5	11894.9	7513.5	0.0	0.0	2686.5	33810.3
12	Kerala	6554.7	1793.0	257.0	4481.1	165.0	76.7	720.3	14047.8
13	Madhya Pradesh	4902.70	1226.02	6755.46	5653.28	1607.92	0.00	2405.93	22551.3
14	Maharashtra	11750.9	4811.7	13923.6	26752.4	1275.0	0.0	5427.4	63940.9
15	Meghalaya	227.4	52.3	0.6	468.6	0.0	80.4	149.5	978.9
16	Orissa	3285.0	1072.0	151.0	6444.0	750.0	0.0	526.0	12228.0
17	Punjab	7270.0	2135.0	10626.0	11123.0	147.0	460.8	935.2	32697.0
18	Rajasthan	5828.0	1719.2	12072.6	8074.6	349.6	580.7	2717.2	31341.8
19	Tamil Nadu	15609.5	5767.5	12427.5	18447.0	0.0	1018.0	4505.5	57775.0
20	Uttar Pradesh	14887.2	2901.4	7317.0	8785.0	647.0	0.0	7536.5	42074.1
21	Uttarakhand	1387.2	857.5	298.1	3399.2	7.3	1.1	298.7	6249.2
22	West Bengal	4959.2	2420.5	1323.0	5724.5	801.6	2286.5	2161.8	19677.0

Sub-total : (I)	120277.3	39995.0	120342.1	164357.8	10217.2	14678.8	42231.1	512099.2
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II EDs

1	Arunachal Pradesh	60.1	13.1	0.0	42.1	0.0	79.1	43.3	237.7
2	Goa	662.0	391.0	16.0	1282.0	0.0	389.0	187.0	2927.0
3	Manipur	127.5	16.0	0.8	8.8	0.0	70.3	67.5	291.0
4	Mizoram	129.2	11.9	0.5	1.8	0.0	39.0	47.4	229.7
5	Nagaland	175.8	22.7	0.0	11.9	0.0	75.7	39.4	325.6
6	Ponicherry	511.9	149.4	83.2	1368.6	0.0	155.3	51.1	2319.6
7	Sikkim	72.2	51.1	0.0	146.9	0.0	365.3	93.1	728.6
8	Tripura	250.2	46.7	39.7	30.7	0.0	311.4	127.3	806.0

Sub-total : (II)	1989.0	701.9	140.2	2892.7	0.0	1485.1	656.2	7865.1
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Total (I+II) :	122266.2	40696.8	120482.3	167250.5	10217.2	16163.9	42887.3	519964.2
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Note: Delhi data is for NDPL Discom only

CONSUMER CATEGORYWISE SALE OF POWER - 2010-11

(MkWh)

S.No	State	Domestic	Commercial	Agri/ irrig.	Industry	Railway traction	Outside the State/UT	Others	Total
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I. SPUs

1	Andhra Pradesh	14274.0	3720.0	17321.0	20329.0	1570.0	2124.0	5405.0	64743.0
2	Assam	1289.0	534.8	30.8	1201.1	0.0	427.3	479.7	3962.7
3	Bihar	2133.2	490.4	388.6	1727.1	458.0	848.4	93.6	6139.1
4	Chhattisgarh	2958.0	843.0	1667.7	5682.6	773.7	1079.8	214.0	13218.8
5	Delhi	2752.00	1125.00	17.00	1981.00	209.00	1062.00	316.00	7462.0
6	Gujarat	6918.7	2591.9	13280.0	19477.5	660.0	5894.0	1257.4	50079.3
7	Haryana	4990.9	2415.5	8278.3	6723.8	535.5	1512.1	1094.7	25550.8
8	Himachal Pradesh	1282.5	356.5	33.5	4195.2	0.0	1704.6	773.9	8346.2
9	Jammu & Kashmir	1255.93	349.10	198.10	816.54	0.00	0.00	1421.41	4041.1
10	Jharkhand	2500.4	323.5	68.4	2300.9	612.8	759.3	217.2	6782.5
11	Karnataka	8067.9	4849.4	12962.7	8449.8	0.0	0.0	2885.3	37215.1
12	Kerala	6874.9	1951.7	231.6	4616.6	156.4	130.2	716.7	14678.1
13	Madhya Pradesh	5620.00	1435.00	7766.00	6664.01	1667.25	0.00	2206.44	25358.7
14	Maharashtra	11965.2	5036.8	16186.3	28779.4	1295.0	0.0	8016.5	71279.2
15	Meghalaya	264.2	63.3	0.4	483.9	0.0	136.4	157.1	1105.3
16	Orissa	3651.00	907.00	192.00	6983.00	599.00	0.00	768.00	13100.0
17	Punjab	8176.0	2468.0	10150.0	11131.0	144.0	438.0	974.3	33481.4
18	Rajasthan	6735.8	1894.1	13221.2	9396.5	329.6	479.7	2495.6	34552.5
19	Tamil Nadu	16619.4	6340.0	9428.0	21100.0	0.0	412.0	4962.0	58861.4
20	Uttar Pradesh	15617.8	3106.9	7807.0	10161.0	759.0	0.0	7782.7	45234.4
21	Uttarakhand	1484.8	933.5	295.9	4197.7	7.8	0.7	330.2	7250.7
22	West Bengal	5346.9	2901.9	1803.9	6323.0	851.3	2411.5	1961.5	21599.8

Sub-total : (I)	130778.5	44637.4	121328.4	182720.5	10628.2	19420.0	44529.1	554042.1
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II EDs

1	Arunachal Pradesh	62.7	15.5	0.0	56.1	0.0	132.4	53.3	319.9
2	Goa	702.0	420.0	17.0	1389.0	0.0	334.9	199.0	3061.9
3	Manipur	152.0	22.7	0.8	13.5	0.0	110.7	82.0	381.8
4	Mizoram	174.4	14.7	0.1	1.9	0.0	80.4	46.5	318.0
5	Nagaland	188.2	32.3	0.0	11.0	0.0	92.4	53.4	377.4
6	Ponicherry	518.5	156.3	76.7	1400.7	0.0	262.4	57.0	2471.7
7	Sikkim	55.4	45.8	0.0	148.3	0.0	390.8	88.1	728.4
8	Tripura	290.8	54.2	37.6	31.3	0.0	404.6	154.9	973.4

Sub-total : (II)	2144.0	761.4	132.3	3051.9	0.0	1808.6	734.3	8632.5
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Total (I+II) :	132922.6	45398.8	121460.6	185772.4	10628.2	21228.6	45263.4	562674.6
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Note: Delhi data is for NDPL Discom only

CONSUMER CATEGORYWISE SALE OF POWER - 2011-12

(MkWh)

S.No	State	Domestic	Commercial	Agri/irrig.	Industry	Railway traction	Outside the State/UT	Others	Total
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I. SPUs

1	Andhra Pradesh	15369.4	4126.0	20191.0	22639.0	1713.0	946.0	5916.6	70901.0
2	Assam	1487.3	621.9	32.0	1294.4	0.0	146.0	533.6	4115.2
3	Bihar	2368.2	520.7	363.0	1673.3	537.4	1164.4	67.9	6694.9
4	Chhattisgarh	3312.1	975.2	2181.0	5542.5	788.9	805.8	377.2	13982.7
5	Delhi	2893.0	1227.0	17.0	2014.0	57.0	1680.0	494.0	8382.0
6	Gujarat	7473.0	1320.0	13947.0	22957.0	697.0	7149.0	1338.0	54881.0
7	Haryana	5569.3	2771.2	9259.8	7498.7	551.4	2113.9	1210.0	28974.2
8	Himachal Pradesh	1407.3	387.2	36.2	4314.6	0.0	1598.6	772.9	8516.8
9	Jammu & Kashmir	1432.0	333.3	140.7	849.5	0.0	0.0	1511.6	4267.0
10	Jharkhand	2483.3	339.8	64.8	2331.2	641.2	435.4	202.5	6498.2
11	Karnataka	8755.9	5393.5	15901.7	9225.6	0.0	0.0	3174.5	42451.2
12	Kerala	7703.2	2141.2	286.2	4926.4	154.5	201.1	567.9	15980.5
13	Madhya Pradesh	6477.0	1628.2	8944.0	7297.7	1702.7	0.0	2397.1	28446.7
14	Maharashtra	13369.7	5120.2	21611.9	30478.1	1325.0	0.0	8227.6	80132.6
15	Meghalaya	307.1	75.6	0.4	519.9	0.0	106.8	171.9	1181.6
16	Orissa	3964.0	1297.0	163.0	6521.0	616.0	0.0	494.0	13055.0
17	Punjab	8818.0	2682.0	10256.0	11702.0	138.0	445.0	1003.9	35044.9
18	Rajasthan	7267.0	2271.0	15086.7	9982.6	370.3	414.0	2512.2	37903.8
19	Tamil Nadu	17742.0	6823.0	10124.0	21968.0	0.0	400.0	4170.0	61227.0
20	Uttar Pradesh	17809.0	3522.3	8756.0	11844.0	709.0	0.0	7953.0	50593.3
21	Uttrakhand	1675.9	1046.5	325.0	4805.5	8.4	0.0	391.4	8252.7
22	West Bengal	6074.1	3086.4	1295.8	7032.6	901.4	1156.0	2655.1	22201.3

Sub-total : (I)	143757.8	47709.2	138983.2	197417.7	10911.2	18762.0	46142.8	603683.6
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II EDs

1	Arunachal Pradesh	114.0	19.3	0.0	94.8	0.0	65.4	16.6	310.0
2	Goa	708.0	461.0	19.0	1426.0	0.0	423.0	138.7	3175.6
3	Manipur	173.7	27.2	0.8	29.3	0.0	103.9	93.8	428.7
4	Mizoram	171.2	18.9	0.1	2.1	0.0	64.3	59.7	316.2
5	Nagaland	194.0	32.3	0.0	13.0	0.0	60.0	54.0	353.4
6	Ponicherry	546.5	165.7	56.6	1495.1	0.0	516.5	57.7	2838.0
7	Sikkim	60.6	35.2	0.0	78.5	0.0	555.9	33.8	763.9
8	Tripura	324.4	60.4	28.8	32.0	0.0	334.5	178.6	958.7

Sub-total : (II)	2292.4	819.8	105.3	3170.7	0.0	2123.4	632.8	9144.5
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Total (I+II) :	146050.2	48529.0	139088.5	200588.4	10911.2	20885.4	46775.7	612828.1
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Note: Delhi data is for NDPL Discom only

CONSUMER CATEGORYWISE SALE OF POWER - 2012-13 (R.E)

(MkWh)

S.No	State	Domestic	Commer- cial	Agri/ irrig.	Industry	Railway traction	Outside the State/UT	Others	Total
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I. SPUs

1	Andhra Pradesh	15966.6	4059.6	21997.0	19919.0	1696.4	0.0	6021.4	69660.0
2	Assam	1582.6	662.1	37.0	1466.6	0.0	90.5	595.9	4434.8
3	Bihar	3127.3	687.6	479.3	2209.7	709.6	600.0	89.7	7903.2
4	Chhattisgarh	3955.0	1227.6	2524.7	6287.9	800.0	1354.0	311.7	16460.8
5	Gujarat	8190.7	1575.7	14437.5	24740.2	739.0	6373.8	1413.3	57470.3
6	Haryana	6068.0	3090.0	8237.0	8578.0	592.0	3883.0	1360.0	31808.0
7	Himachal Pradesh	1463.6	464.6	36.2	4557.3	0.0	1472.0	824.6	8818.3
8	Jammu & Kashmir	1735.00	427.54	231.49	1087.72	0.00	0.00	2614.02	6095.8
9	Jharkhand	3335.0	428.0	72.0	2624.0	697.0	0.0	261.1	7417.1
10	Karnataka	9560.9	6116.9	17509.0	10272.5	0.0	0.0	3218.5	46677.9
11	Kerala	8339.2	2330.8	293.4	5235.7	163.2	0.0	818.9	17181.2
12	Madhya Pradesh	7335.33	1904.97	11980.26	8171.55	1702.65	0.00	2846.89	33941.7
13	Maharashtra	15477.0	4004.0	22054.0	33782.0	1460.0	0.0	12779.0	89556.0
14	Meghalaya	317.4	88.2	0.4	556.9	0.0	135.4	181.7	1279.9
15	Punjab	9535.0	2902.0	11456.0	12633.0	140.0	113.0	1042.0	37821.0
16	Rajasthan	8219.8	2917.0	16894.1	10817.7	446.5	505.0	2576.6	42376.7
17	Tamil Nadu	18148.0	7221.0	8956.0	17849.0	0.0	402.0	4570.0	57146.0
18	Uttar Pradesh	19483.0	3738.3	9771.0	13921.0	738.0	0.0	9304.0	56955.4
19	Uttrakhand	1825.6	1131.2	364.1	5193.7	8.6	0.0	441.5	8964.7
20	West Bengal	6622.6	3474.4	1420.9	7767.5	964.1	3849.0	4061.8	28160.3

Sub-total : (I)	150287.6	48451.4	148751.5	197671.0	10857.1	18777.7	55332.6	630129.0
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II EDs

1	Arunachal Pradesh	131.6	25.5	0.0	141.9	0.0	57.3	20.8	377.0
2	Goa	751.0	443.0	18.0	1422.0	0.0	125.0	245.0	3004.0
3	Manipur	203.0	29.7	1.0	32.8	0.0	101.5	105.3	473.2
4	Mizoram	191.4	21.2	0.1	2.3	0.0	75.0	67.1	357.1
5	Nagaland	210.0	33.0	0.0	13.0	0.0	40.0	56.0	352.0
6	Ponicherry	577.5	179.9	56.6	1549.0	0.0	450.0	71.1	2884.0
7	Sikkim	64.3	38.8	0.0	84.3	0.0	580.3	35.7	803.4
8	Tripura	371.6	63.7	15.6	59.1	0.0	359.8	180.1	1049.8

Sub-total : (II)	2500.5	834.7	91.3	3304.3	0.0	1788.8	780.9	9300.5
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Total (I+II) :	152788.0	49286.0	148842.9	200975.4	10857.1	20566.5	56113.6	639429.5
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CONSUMER CATEGORYWISE SALE OF POWER - 2013-14

(MkWh)

S.No	State	Domestic	Commer- cial	Agri/ irrig.	Industry	Railway traction	Outside the State/UT	Others	Total
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I. SPUs

1	Andhra Pradesh	22078.9	5494.1	23744.0	27132.0	1768.5	0.0	7418.6	87636.0
2	Assam	1710.4	715.5	40.0	1585.1	0.0	780.6	644.0	5475.7
3	Bihar	4009.1	881.4	614.5	2832.8	909.8	700.0	115.0	10062.6
4	Chhattisgarh	4180.0	1333.1	2675.0	6944.5	850.0	7778.0	336.5	24097.1
5	Gujarat	8987.6	1845.3	15547.9	27586.9	739.0	6609.2	1615.1	62931.0
6	Haryana	7550.0	3448.0	9067.0	10567.0	640.0	7400.0	1535.0	40207.0
7	Himachal Pradesh	1522.1	557.6	36.2	4813.7	0.0	1340.0	882.2	9151.8
8	Jammu & Kashmir	1835.00	455.33	246.54	1150.00	0.00	0.00	2783.93	6470.8
9	Jharkhand	4323.0	488.0	75.0	2803.5	743.0	0.0	285.4	8717.9
10	Karnataka	10377.2	6918.2	18963.2	11447.5	0.0	0.0	3478.7	51184.8
11	Kerala	9078.7	2545.7	297.0	5481.8	166.4	0.0	858.9	18428.5
12	Madhya Pradesh	9578.43	2408.01	16200.72	9858.15	1702.65	4882.00	3464.88	48094.9
13	Maharashtra	14762.5	4614.4	26067.2	35406.5	1565.0	0.0	14046.1	96461.7
14	Meghalaya	356.2	112.0	0.5	931.8	0.0	290.0	199.3	1889.8
15	Punjab	10452.0	3218.0	12029.0	12881.0	145.0	117.0	1069.0	39911.0
16	Rajasthan	9184.6	3243.1	19136.7	11969.4	498.7	505.0	2922.4	47459.8
17	Tamil Nadu	24460.0	9386.0	9306.0	23161.0	0.0	523.0	5714.0	72550.0
18	Uttar Pradesh	22493.3	4309.9	10371.0	15432.0	769.0	0.0	10307.6	63682.8
19	Uttrakhand	1989.8	1233.4	396.4	5658.9	9.4	0.0	481.2	9769.0
20	West Bengal	7222.5	3917.0	1805.5	8584.9	1031.3	3849.0	1497.8	27907.9

Sub-total : (I)	176151.3	57123.9	166619.3	226228.4	11537.6	34773.8	59655.5	732089.9
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II EDs

1	Arunachal Pradesh	144.8	28.0	0.0	156.1	0.0	175.0	22.9	526.7
2	Goa	761.0	448.0	18.0	1439.0	0.0	19.0	253.0	2938.0
3	Manipur	264.7	38.7	1.4	42.8	0.0	123.9	137.3	608.7
4	Mizoram	210.9	23.3	0.1	2.6	0.0	105.0	73.5	415.3
5	Nagaland	220.0	36.0	0.0	17.5	0.0	90.0	64.3	427.8
6	Ponicherry	611.6	188.9	56.6	1624.4	0.0	450.0	75.5	3006.9
7	Sikkim	65.5	39.8	0.0	86.8	0.0	646.9	36.6	875.7
8	Tripura	403.9	69.2	16.9	64.3	0.0	817.5	195.7	1567.5

Sub-total : (II)	2682.4	871.9	93.0	3433.3	0.0	2427.4	858.7	10366.7
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Total (I+II) :	178833.7	57995.8	166712.3	229661.7	11537.6	37201.2	60514.3	742456.6
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SHARE OF AGRICULTURE IN TOTAL SALES

(%)

	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	30.53	26.75	28.48	31.58	27.09
2	Assam	0.84	0.78	0.78	0.84	0.73
3	Bihar	13.09	6.33	5.42	6.07	6.11
4	Chhattisgarh	13.15	12.62	15.60	15.34	11.10
5	Delhi	0.34	0.23	0.20		
6	Gujarat	27.97	26.52	25.41	25.12	24.71
7	Haryana	38.96	32.40	31.96	25.90	22.55
8	Himachal Pradesh	0.44	0.40	0.42	0.41	0.40
9	Jammu & Kashmir	7.70	4.90	3.30	3.80	3.81
10	Jharkhand	1.14	1.01	1.00	0.97	0.86
11	Karnataka	35.18	34.83	37.46	37.51	37.05
12	Kerala	1.83	1.58	1.79	1.71	1.61
13	Madhya Pradesh	29.96	30.62	31.44	35.30	33.68
14	Maharashtra	21.78	22.71	26.97	24.63	27.02
15	Meghalaya	0.06	0.03	0.03	0.03	0.03
16	Orissa	1.23	1.36	1.25		
17	Punjab	32.50	30.32	29.27	30.29	30.14
18	Rajasthan	38.52	38.26	39.80	39.87	40.32
19	Tamil Nadu	21.51	16.02	16.54	15.67	12.83
20	Uttar Pradesh	17.39	17.26	17.31	17.16	16.29
21	Uttarakhand	4.77	4.08	3.94	4.06	4.06
22	West Bengal	6.72	8.35	5.84	5.05	6.47

Sub-total : (I)	23.50	21.90	23.02	23.61	22.76
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II EDs

1	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
2	Goa	0.55	0.56	0.60	0.60	0.61
3	Manipur	0.28	0.22	0.19	0.22	0.22
4	Mizoram	0.22	0.04	0.03	0.03	0.03
5	Nagaland	0.01	0.01	0.01	0.01	0.01
6	Ponicherry	3.58	3.10	1.99	1.96	1.88
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	4.93	3.86	3.01	1.48	1.08

Sub-total : (II)	1.78	1.53	1.15	0.98	0.90
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Total (I+II) :	23.17	21.58	22.70	23.28	22.45
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Note: Delhi data is for NDPL Discom only

SHARE OF REVENUE FROM AGRICULTURE IN TOTAL SALES REVENUE

(%)

	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	1.05	0.92	1.01	1.48	2.19
2	Assam	0.74	0.71	0.68	0.73	0.68
3	Bihar	2.76	3.66	1.98	4.80	4.86
4	Chhattisgarh	2.45	4.31	6.55	6.09	5.10
5	Delhi	0.15	0.14	0.12		
6	Gujarat	14.04	11.52	12.47	11.99	11.61
7	Haryana	4.08	3.44	4.27	3.06	2.61
8	Himachal Pradesh	0.60	0.52	0.47	0.45	0.44
9	Jammu & Kashmir	4.10	2.38	1.58	1.66	1.66
10	Jharkhand	0.20	0.16	0.16	0.17	0.15
11	Karnataka	14.56	24.76	24.25	24.48	23.83
12	Kerala	0.59	0.51	0.55	0.59	0.63
13	Madhya Pradesh	25.00	25.35	26.02	29.19	27.89
14	Maharashtra	10.17	10.03	11.73	10.79	11.99
15	Meghalaya	0.02	0.02	0.01	0.02	0.01
16	Orissa	0.75	0.40	0.31		
17	Punjab	0.00	5.32	0.02	0.03	0.00
18	Rajasthan	15.60	15.85	15.80	16.75	16.95
19	Tamil Nadu	0.00	0.00	0.00	0.00	0.00
20	Uttar Pradesh	9.52	9.75	9.53	9.66	7.18
21	Uttarakhand	2.29	1.82	1.91	2.42	2.42
22	West Bengal	2.39	2.69	2.87	3.80	4.62

Sub-total : (I)	7.30	8.21	8.52	8.87	8.66
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II EDs

1	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
2	Goa	0.18	0.19	0.17	0.19	0.17
3	Manipur	0.38	0.20	0.30	0.20	0.21
4	Mizoram	0.09	0.02	0.01	0.02	0.02
5	Nagaland	0.01	0.01	0.01	0.01	0.00
6	Ponicherry	0.05	0.02	0.01	0.01	0.01
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	2.11	3.07	2.75	1.12	0.68

Sub-total : (II)	0.34	0.46	0.40	0.21	0.19
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Total (I+II) :	7.20	8.12	8.42	8.77	8.57
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Note: Delhi data is for NDPL Discom only

SHARE OF DOMESTIC IN TOTAL SALES

(%)

	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	21.85	22.05	21.68	22.92	25.19
2	Assam	33.40	32.53	36.14	35.69	31.24
3	Bihar	32.38	34.75	35.37	39.57	39.84
4	Chhattisgarh	21.07	22.38	23.69	24.03	17.35
5	Delhi	34.37	36.88	34.51		
6	Gujarat	13.37	13.82	13.62	14.25	14.28
7	Haryana	18.48	19.53	19.22	19.08	18.78
8	Himachal Pradesh	15.67	15.37	16.52	16.60	16.63
9	Jammu & Kashmir	36.00	31.08	33.56	28.46	28.36
10	Jharkhand	38.97	36.87	38.22	44.96	49.59
11	Karnataka	21.79	21.68	20.63	20.48	20.27
12	Kerala	46.66	46.84	48.20	48.54	49.26
13	Madhya Pradesh	21.74	22.16	22.77	21.61	19.92
14	Maharashtra	18.38	16.79	16.68	17.28	15.30
15	Meghalaya	23.23	23.90	25.99	24.79	18.85
16	Orissa	26.89	26.96	30.36		
17	Punjab	22.23	24.42	25.16	25.21	26.19
18	Rajasthan	18.60	19.49	19.17	19.40	19.35
19	Tamil Nadu	27.02	28.23	28.98	31.76	33.71
20	Uttar Pradesh	35.38	34.53	35.20	34.21	35.32
21	Uttarakhand	22.20	20.48	20.31	20.36	20.37
22	West Bengal	25.20	24.75	27.36	23.52	25.88

Sub-total : (I)	23.49	23.58	23.81	23.85	24.06
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II EDs

1	Arunachal Pradesh	25.29	19.59	36.76	34.91	27.49
2	Goa	22.62	22.93	22.29	25.00	25.90
3	Manipur	43.81	39.81	40.52	42.89	43.48
4	Mizoram	56.24	54.85	54.12	53.61	50.77
5	Nagaland	54.01	49.88	54.90	59.65	51.42
6	Ponicherry	22.07	20.98	19.26	20.02	20.34
7	Sikkim	9.91	7.61	7.94	8.01	7.48
8	Tripura	31.04	29.88	33.84	35.40	25.77

Sub-total : (II)	25.29	24.84	25.07	26.89	25.87
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Total (I+II) :	23.51	23.60	23.83	23.89	24.09
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Note: Delhi data is for NDPL Discom only

SHARE OF REVENUE FROM DOMESTIC SECTOR IN TOTAL SALES REVENUE

(%)

	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	22.25	21.32	16.97	18.56	21.82
2	Assam	27.57	29.77	31.24	30.34	28.42
3	Bihar	19.40	19.22	24.33	25.11	25.41
4	Chhattisgarh	13.04	14.76	18.41	19.00	14.81
5	Delhi	33.06	34.43	32.58		
6	Gujarat	14.19	13.25	13.18	14.18	14.26
7	Haryana	17.63	17.30	20.47	20.71	20.44
8	Himachal Pradesh	10.14	10.41	11.38	11.46	11.51
9	Jammu & Kashmir	21.02	17.13	16.64	13.39	13.33
10	Jharkhand	10.13	11.54	13.27	23.77	28.14
11	Karnataka	20.99	17.92	18.21	17.96	17.98
12	Kerala	25.32	26.23	27.39	28.33	31.33
13	Madhya Pradesh	23.94	24.66	25.51	24.19	22.32
14	Maharashtra	17.69	17.36	14.98	15.36	13.78
15	Meghalaya	16.18	19.09	20.99	20.26	15.61
16	Orissa	16.98	16.92	16.09		
17	Punjab	25.26	26.59	29.68	28.94	30.27
18	Rajasthan	22.78	22.99	23.16	24.43	24.76
19	Tamil Nadu	15.80	14.07	14.59	16.15	17.47
20	Uttar Pradesh	24.94	27.03	27.47	24.00	30.20
21	Uttrakhand	14.49	13.58	13.24	15.04	15.03
22	West Bengal	21.19	22.53	24.77	23.05	24.07

Sub-total : (I)	19.67	19.44	19.34	19.58	20.53
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II EDs

1	Arunachal Pradesh	23.08	20.54	37.99	35.50	27.59
2	Goa	10.70	10.73	9.25	11.55	10.51
3	Manipur	35.73	37.49	35.54	38.49	39.52
4	Mizoram	36.84	40.28	39.51	37.17	36.20
5	Nagaland	40.77	40.07	53.40	52.94	45.66
6	Ponicherry	7.65	8.06	6.57	6.75	7.47
7	Sikkim	3.69	4.23	5.07	6.19	6.61
8	Tripura	26.05	27.97	33.25	30.43	18.65

Sub-total : (II)	14.06	15.08	16.34	16.98	15.69
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Total (I+II) :	19.59	19.39	19.30	19.55	20.47
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Note: Delhi data is for NDPL Discom only

SHARE OF INDUSTRY IN TOTAL SALES

(%)

	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	29.44	31.40	31.93	28.59	30.96
2	Assam	33.21	30.31	31.45	33.07	28.95
3	Bihar	27.48	28.13	24.99	27.96	28.15
4	Chhattisgarh	38.36	42.99	39.64	38.20	28.82
5	Delhi	32.32	26.55	24.03		
6	Gujarat	37.90	38.89	41.83	43.05	43.84
7	Haryana	25.90	26.32	25.88	26.97	26.28
8	Himachal Pradesh	50.67	50.26	50.66	51.68	52.60
9	Jammu & Kashmir	22.33	20.21	19.91	17.84	17.77
10	Jharkhand	36.43	33.92	35.87	35.38	32.16
11	Karnataka	22.22	22.71	21.73	22.01	22.37
12	Kerala	31.90	31.45	30.83	30.47	29.75
13	Madhya Pradesh	25.07	26.28	25.65	24.08	20.50
14	Maharashtra	41.84	40.38	38.03	37.72	36.71
15	Meghalaya	47.88	43.78	44.00	43.51	49.31
16	Orissa	52.70	51.58	49.95		
17	Punjab	34.02	33.25	33.39	33.40	32.27
18	Rajasthan	25.76	27.19	26.34	25.53	25.22
19	Tamil Nadu	31.93	35.85	35.88	31.23	31.92
20	Uttar Pradesh	20.88	22.46	23.41	24.44	24.23
21	Uttrakhand	54.39	57.89	58.23	57.94	57.93
22	West Bengal	29.09	29.27	31.68	27.58	30.76

Sub-total : (I)	32.09	32.94	32.70	31.37	30.90
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II EDs

1	Arunachal Pradesh	17.69	17.54	30.59	37.63	29.63
2	Goa	43.80	45.36	44.90	47.34	48.98
3	Manipur	3.02	3.53	6.82	6.93	7.02
4	Mizoram	0.76	0.59	0.66	0.66	0.62
5	Nagaland	3.64	2.92	3.68	3.69	4.09
6	Ponicherry	59.00	56.67	52.68	53.71	54.02
7	Sikkim	20.16	20.36	10.27	10.49	9.91
8	Tripura	3.81	3.22	3.34	5.63	4.10

Sub-total : (II)	36.78	35.35	34.67	35.53	33.12
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Total (I+II) :	32.17	32.98	32.73	31.43	30.93
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Note: Delhi data is for NDPL Discom only

SHARE OF REVENUE FROM INDUSTRY SECTOR IN TOTAL SALE REVENUE

(%)

	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	44.70	46.20	40.12	38.99	30.32
2	Assam	35.47	31.63	33.17	34.72	32.51
3	Bihar	39.05	36.67	36.32	36.21	36.64
4	Chhattisgarh	48.74	53.85	53.79	52.78	41.35
5	Delhi	34.06	32.73	33.28		
6	Gujarat	56.71	52.05	56.10	56.57	57.58
7	Haryana	32.12	31.91	39.53	38.09	37.51
8	Himachal Pradesh	43.31	46.43	48.52	49.64	50.64
9	Jammu & Kashmir	23.65	19.63	18.85	15.76	15.68
10	Jharkhand	55.48	52.87	53.77	52.22	48.89
11	Karnataka	31.19	27.77	27.90	28.19	28.61
12	Kerala	39.00	37.96	36.87	36.82	38.22
13	Madhya Pradesh	39.67	35.57	35.13	32.95	28.10
14	Maharashtra	51.36	52.16	48.58	49.37	48.65
15	Meghalaya	57.04	52.39	52.12	49.24	55.90
16	Orissa	58.01	57.25	58.99		
17	Punjab	56.66	49.33	50.74	53.43	51.59
18	Rajasthan	41.77	36.82	37.01	34.56	34.18
19	Tamil Nadu	50.93	51.30	50.56	48.09	47.62
20	Uttar Pradesh	32.85	32.16	34.26	37.99	35.07
21	Uttarakhand	62.44	65.85	66.53	62.48	62.43
22	West Bengal	33.63	36.04	34.86	32.23	34.45

Sub-total : (I)	43.13	41.83	41.45	42.71	40.33
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II EDs

1	Arunachal Pradesh	16.15	18.40	29.24	35.52	27.80
2	Goa	59.66	61.51	70.83	64.49	64.95
3	Manipur	3.06	3.41	8.44	6.24	6.40
4	Mizoram	0.85	0.70	1.59	0.70	0.65
5	Nagaland	3.80	3.24	3.68	3.37	3.74
6	Ponicherry	70.45	72.83	61.58	63.25	69.27
7	Sikkim	11.97	16.64	19.65	20.62	20.74
8	Tripura	3.57	4.47	4.10	7.29	4.47

Sub-total : (II)	42.26	45.76	45.79	44.44	41.79
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Total (I+II) :	43.11	41.88	41.5	42.73	40.35
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Note: Delhi data is for NDPL Discom only

SHARE OF COMMERCIAL IN TOTAL SALES						
	(%)					
	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP	

I. SPUs

1	Andhra Pradesh	5.65	5.75	5.82	5.83	6.27
2	Assam	14.11	13.50	15.11	14.93	13.07
3	Bihar	7.75	7.99	7.78	8.70	8.76
4	Chhattisgarh	5.66	6.38	6.97	7.46	5.53
5	Delhi	17.55	15.08	14.64		
6	Gujarat	4.97	5.18	2.41	2.74	2.93
7	Haryana	6.93	9.45	9.56	9.71	8.58
8	Himachal Pradesh	4.31	4.27	4.55	5.27	6.09
9	Jammu & Kashmir	7.70	8.64	7.81	7.01	7.04
10	Jharkhand	4.59	4.77	5.23	5.77	5.60
11	Karnataka	12.86	13.03	12.71	13.10	13.52
12	Kerala	12.76	13.30	13.40	13.57	13.81
13	Madhya Pradesh	5.44	5.66	5.72	5.61	5.01
14	Maharashtra	7.53	7.07	6.39	4.47	4.78
15	Meghalaya	5.34	5.73	6.39	6.89	5.93
16	Orissa	8.77	9.49	9.93		
17	Punjab	6.53	7.37	7.65	7.67	8.06
18	Rajasthan	5.49	5.48	5.99	6.88	6.83
19	Tamil Nadu	9.98	10.77	11.14	12.64	12.94
20	Uttar Pradesh	6.90	6.87	6.96	6.56	6.77
21	Uttrakhand	13.72	12.87	12.68	12.62	12.63
22	West Bengal	12.30	13.43	13.90	12.34	14.04

Sub-total : (I)	7.81	8.12	7.90	7.69	7.80
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II EDs

1	Arunachal Pradesh	5.50	4.84	6.22	6.75	5.32
2	Goa	13.36	13.72	14.52	14.75	15.25
3	Manipur	5.50	5.96	6.34	6.28	6.36
4	Mizoram	5.16	4.61	5.97	5.92	5.60
5	Nagaland	6.98	8.55	9.14	9.37	8.41
6	Ponicherry	6.44	6.32	5.84	6.24	6.28
7	Sikkim	7.02	6.29	4.60	4.83	4.55
8	Tripura	5.79	5.57	6.29	6.06	4.41

Sub-total : (II)	8.92	8.82	8.97	8.97	8.41
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Total (I+II) :	7.83	8.13	7.92	7.71	7.81
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Note: Delhi data is for NDPL Discom only

SHARE OF REVENUE FROM COMMERCIAL IN TOTAL SALE REVENUE

(%)

	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	19.66	20.06	18.50	14.46	9.25
2	Assam	17.34	17.08	18.69	12.78	14.51
3	Bihar	12.37	13.17	12.67	8.78	7.59
4	Chhattisgarh	8.97	9.47	11.56	6.70	6.19
5	Delhi	25.15	25.49	25.78		
6	Gujarat	7.92	7.44	3.14	5.54	2.50
7	Haryana	8.45	10.90	14.26	8.42	8.35
8	Himachal Pradesh	5.34	5.46	6.19	4.70	5.56
9	Jammu & Kashmir	7.31	7.95	7.51	3.99	4.29
10	Jharkhand	7.00	7.49	8.64	4.96	5.40
11	Karnataka	23.49	20.73	21.26	15.51	16.02
12	Kerala	28.16	27.14	28.48	18.47	19.56
13	Madhya Pradesh	10.04	9.73	9.68	6.38	5.19
14	Maharashtra	12.20	12.82	11.61	8.69	8.18
15	Meghalaya	7.53	8.98	8.74	6.78	4.95
16	Orissa	10.80	12.57	13.57		
17	Punjab	12.46	12.85	13.90	9.16	10.64
18	Rajasthan	9.83	9.54	10.59	6.81	6.41
19	Tamil Nadu	20.27	21.28	23.00	16.33	13.36
20	Uttar Pradesh	12.12	8.76	11.33	5.73	6.17
21	Uttarakhand	16.10	14.68	14.25	11.27	11.48
22	West Bengal	16.46	17.30	16.52	10.94	12.12

Sub-total : (I)	14.34	14.30	14.17	10.04	8.95
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II EDs

1	Arunachal Pradesh	6.28	6.29	7.99	4.71	4.19
2	Goa	8.34	10.12	12.10	9.28	11.09
3	Manipur	5.40	6.41	6.84	5.26	4.89
4	Mizoram	6.15	7.00	7.04	3.12	4.99
5	Nagaland	9.03	11.78	11.77	8.62	8.87
6	Ponicherry	7.66	6.93	7.02	4.53	5.26
7	Sikkim	4.25	5.68	5.83	4.52	5.32
8	Tripura	6.19	7.43	8.17	5.41	3.82

Sub-total : (II)	7.19	8.28	9.02	6.33	6.67
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Total (I+II) :	14.24	14.23	14.11	10	8.93
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Note: Delhi data is for NDPL Discom only

SHARE OF RAILWAY TRACTION IN TOTAL SALES

(%)

	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
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I. SPUs

1	Andhra Pradesh	2.54	2.42	2.42	2.44	2.02
2	Assam	0.00	0.00	0.00	0.00	0.00
3	Bihar	7.33	7.46	8.03	8.98	9.04
4	Chhattisgarh	5.28	5.85	5.64	4.86	3.53
5	Delhi	0.93	2.80	0.68		
6	Gujarat	1.40	1.32	1.27	1.29	1.17
7	Haryana	2.09	2.10	1.90	1.86	1.59
8	Himachal Pradesh	0.00	0.00	0.00	0.00	0.00
9	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
10	Jharkhand	10.42	9.03	9.87	9.40	8.52
11	Karnataka	0.00	0.00	0.00	0.00	0.00
12	Kerala	1.17	1.07	0.97	0.95	0.90
13	Madhya Pradesh	7.13	6.57	5.99	5.02	3.54
14	Maharashtra	1.99	1.82	1.65	1.63	1.62
15	Meghalaya	0.00	0.00	0.00	0.00	0.00
16	Orissa	6.13	6.09	4.72		
17	Punjab	0.45	0.43	0.39	0.37	0.36
18	Rajasthan	1.12	0.95	0.98	1.05	1.05
19	Tamil Nadu	0.00	0.00	0.00	0.00	0.00
20	Uttar Pradesh	1.54	1.68	1.40	1.30	1.21
21	Uttarakhand	0.12	0.11	0.10	0.10	0.10
22	West Bengal	4.07	3.94	4.06	3.42	3.70

Sub-total : (I)	2.00	1.95	1.81	1.72	1.58
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II EDs

1	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
2	Goa	0.00	0.00	0.00	0.00	0.00
3	Manipur	0.00	0.00	0.00	0.00	0.00
4	Mizoram	0.00	0.00	0.00	0.00	0.00
5	Nagaland	0.00	0.00	0.00	0.00	0.00
6	Ponicherry	0.00	0.00	0.00	0.00	0.00
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	0.00	0.00	0.00	0.00	0.00

Sub-total : (II)	0.00	0.00	0.00	0.00	0.00
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Total (I+II) :	1.96	1.92	1.78	1.70	1.55
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Note: Delhi data is for NDPL Discom only

SHARE OF REVENUE FROM RAILWAY TRACTION IN TOTAL SALE REVENUE

(%)

	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Prov.)	2012-13 RE	2013-14 AP
--	---------------------	---------------------	--------------------	---------------	---------------

I SPUs

1	Andhra Pradesh	4.10	3.70	3.21	3.37	2.04
2	Assam	0.00	0.00	0.00	0.00	0.00
3	Bihar	11.83	10.97	10.18	11.78	11.92
4	Chhattisgarh	9.37	8.11	8.65	7.23	5.70
5	Delhi	2.23	0.78	0.79		
6	Gujarat	2.30	1.91	1.74	2.27	1.61
7	Haryana	2.60	2.39	2.84	2.63	2.26
8	Himachal Pradesh	0.00	0.00	0.00	0.00	0.00
9	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
10	Jharkhand	17.39	15.67	15.51	13.37	12.50
11	Karnataka	0.00	0.00	0.00	0.00	0.00
12	Kerala	1.38	1.24	1.10	1.01	1.03
13	Madhya Pradesh	10.10	9.10	8.70	7.89	6.16
14	Maharashtra	2.61	2.57	2.55	2.31	2.33
15	Meghalaya	0.00	0.00	0.00	0.00	0.00
16	Orissa	7.41	7.51	5.59		
17	Punjab	0.87	0.77	0.73	0.63	0.61
18	Rajasthan	1.49	1.25	1.38	1.29	1.31
19	Tamil Nadu	0.00	0.00	0.00	0.00	0.00
20	Uttar Pradesh	2.17	2.00	1.95	1.83	1.77
21	Uttarakhand	0.19	0.15	0.14	0.12	0.13
22	West Bengal	4.73	4.52	4.94	4.41	4.52
Sub-total : (I)		2.86	2.62	2.58	2.46	2.17

II EDs

1	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
2	Goa	0.00	0.00	0.00	0.00	0.00
3	Manipur	0.00	0.00	0.00	0.00	0.00
4	Mizoram	0.00	0.00	0.00	0.00	0.00
5	Nagaland	0.00	0.00	0.00	0.00	0.00
6	Ponicherry	0.00	0.00	0.00	0.00	0.00
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	0.00	0.00	0.00	0.00	0.00
Sub-total : (II)		0.00	0.00	0.00	0.00	0.00
Total (I+II) :		2.82	2.59	2.55	2.43	2.15

Note: Delhi data is for NDPL Discom only

Annexure 3.47

PER CAPITA CONSUMPTION OF ELECTRICITY (kWh)

S.No	Region/State/U.T.	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1	Haryana	1208	1296	1279	1491	1485	1628
2	Himachal Pradesh	872	967	1016	1145	1251	1289
3	Jammu & Kashmir	759	795	894	968	988	1015
4	Punjab	1506	1614	1553	1663	1736	1799
5	Rajasthan	591	692	747	811	844	927
6	Uttar Pradesh	341	346	372	387	412	450
7	Uttaranchal	707	856	921	930	1144	1232
8	Chandigarh	1487	1557	1247	1239	1283	1217
9	Delhi	1417	1433	1374	1448	1530	1587
Northern Region		623	666	688	739	776	833
10	Chattisgarh	935	874	1418	921	1118	1320
11	Gujarat	1331	1486	1457	1559	1508	1663
12	Madhya Pradesh	582	623	584	618	674	672
13	Maharashtra	975	1020	969	1054	1096	1204
14	Goa	2098	2169	2260	2005	2061	2025
15	Daman & Diu	8950	9473	6508	7202	7810	7785
16	D & N Haveli	13310	14787	11094	11709	13367	13767
Western Region		969	1030	1039	1061	1104	1201
17	Andhra Pradesh	802	877	928	1014	1065	1157
18	Karnataka	806	844	854	873	925	1081
19	Kerala	441	444	444	537	551	594
20	Tamil Nadu	1080	1145	1134	1211	1233	1277
21	Puducherry	2693	2357	1988	1865	1850	2125
22	Lakshadweep	402	427	453	429	532	550
Southern Region		837	888	904	972	1010	1098
23	Bihar	91	101	107	117	127	134
24	Jharkhand	659	643	696	750	749	790
25	Orissa	665	752	775	838	1070	1146
26	West Bengal	397	439	442	515	538	564
27	A & N Island	458	515	475	506	499	501
28	Sikkim	533	732	806	845	880	886
Eastern Region		358	388	401	446	493	521
29	Assam	175	188	199	209	223	250
30	Manipur	195	222	242	207	242	236
31	Meghalaya	547	629	655	613	654	658
32	Nagaland	173	199	226	242	265	257
33	Tripura	179	202	204	224	222	254
34	Arunachal Pradesh	299	456	447	503	582	683
35	Mizoram	163	354	378	429	462	507
N.E. Region		204	229	242	250	268	292
ALL INDIA		672	717	734	779	819	884

POWER SUPPLY POSITION IN INDIA

S.No.	SEBs/EDs	Energy Surplus(+)/Deficit(-)%			Peak Surplus(+)/Deficit(-)%		
		2001-02 (End of 9th Plan)	2006-07 (End of 10th Plan)	2011-12 (End of 11th Plan)	2000-01 (End of 9th Plan)	2006-07 (End of 10th Plan)	2011-12 (End of 11th Plan)
I. SEBs							
1	Andhra Pradesh	(-)	7.8	(-)	4.4	(-)	7.2
2	Assam	(+)	7.8	(-)	7.3	(-)	5.6
3	Bihar	(-)	7.0	(-)	8.1	(-)	21.3
4	Chhattisgarh			(-)	6.4	(-)	2.7
5	Delhi	(-)	4.9	(-)	1.7	(-)	0.3
6	Gujarat	(-)	9.7	(-)	13.4	(-)	0.4
7	Haryana	(-)	2.8	(-)	11.9	(-)	3.6
8	Himachal Pradesh	(-)	3.2	(-)	2.7	(-)	0.7
9	Jammu & Kashmir	(-)	16.4	(-)	31.9	(-)	23.6
10	Jharkhand			(-)	4.9	(-)	4.0
11	Karnataka	(-)	9.1	(-)	2.1	(-)	11.2
12	Kerala	(-)	6.6	(-)	2.0	(-)	2.1
13	Madhya Pradesh	(-)	12.4	(-)	15.2	(-)	16.9
14	Maharashtra	(-)	10.5	(-)	19.0	(-)	16.7
15	Meghalaya	(+)	7.3		22.3	(-)	24.8
16	Orissa	(+)	3.1	(-)	1.8	(-)	1.5
17	Punjab	(-)	2.7	(-)	9.8	(-)	3.1
18	Rajasthan	(-)	3.6	(-)	4.6	(-)	3.9
19	Tamil Nadu	(-)	7.6	(-)	1.7	(-)	10.5
20	Uttar Pradesh	(-)	14.6	(-)	15.8	(-)	11.3
21	Uttarakhand			(-)	6.0	(-)	2.9
22	West Bengal	(+)	0.9	(-)	2.2	(-)	1.0
II. EDs							
1	Arunachal Pradesh	(+)	1.9	(-)	9.4	(-)	7.8
2	Manipur	(-)	2.3	(-)	4.9	(-)	8.3
3	Mizoram	(+)	2.7	(-)	6.0	(-)	10.6
4	Nagaland	(+)	2.6	(-)	4.4	(-)	8.8
5	Tripura	(+)	3.9	(-)	9.2	(-)	5.2
6	Chandigarh	(-)	0.4		0.1	(-)	0.3
7	Goa	(-)	10.8		0.7	(-)	1.4
Overall:All India		(-)	7.8	(-)	9.6	(-)	8.5
						(-)	18.8
						(-)	13.8
						(-)	10.6

NUMBER OF VILLAGES ELECTRIFIED							
S.No. States/Uts	Total Villages 2001 Census	Cumulative March.2007	% ElercT. March.2007	Cumulative March.2008	% ElercT. March.2008	Cumulative on 03.2009	% ElercT. March.2009
States							
1	Andhra Pradesh	26613	26613	100.00	26613	100.00	26613
2	Arunachal Pradesh	3863	2195	56.82	2195	56.82	2195
3	Assam	25124	19741	78.57	19741	78.57	19741
4	Bihar	39015	20620	52.85	20620	52.85	23914
5	Chattisgarh	19744	18830	95.37	18877	95.61	18877
6	Goa	347	347	100.00	347	100.00	347
7	Gujarat	18066	17986	99.56	17993	99.60	18015
8	Haryana	6764	6764	100.00	6764	100.00	6764
9	Himachal Pradesh	17495	17169	98.14	17183	98.22	17183
10	Jharkhand	29354	9119	31.07	9119	31.07	9119
11	Jammu & Kashmir	6417	6304	98.24	6304	98.24	6304
12	Karnataka	27481	27125	98.70	27126	98.71	27458
13	Kerala	1364	1364	100.00	1364	100.00	1364
14	Madhya Pradesh	52117	50213	96.35	50213	96.35	50231
15	Maharashtra	41095	36038	87.69	36296	88.32	36296
16	Manipur	2315	1942	83.89	1966	84.92	1997
17	Meghalaya	5782	3428	59.29	3428	59.29	3428
18	Mizoram	707	570	80.62	570	80.62	570
19	Nagaland	1278	823	64.40	823	64.40	823
20	Orissa	47529	26535	55.83	26535	55.83	29735
21	Punjab	12278	12278	100.00	12278	100.00	12278
22	Rajasthan	39753	26676	67.10	27155	68.31	28253
23	Sikkim	450	425	94.44	425	94.44	425
24	Tamil Nadu	15400	15400	100.00	15400	100.00	15400
25	Tripura	858	491	57.23	491	57.23	491
26	Uttar Pradesh	97942	83558	85.31	86316	88.13	86450
27	Uttarakhand	15761	15055	95.52	15213	96.52	15213
28	West Bengal	37945	34555	91.07	36380	95.88	37756
Total (States)							
	592857	482164	81.33	487735	82.27	497240	83.87
Total (UTs)							
	875	542	61.94	542	61.94	710	81.14
Total (States + UTs)							
	593732	482706	81.30	488277	82.27	497950	83.87

S.No.	States/Uts	Total Villages 2001 Census	Cumulative on 03.2010	% ElercT. March.2010	Cumulative on 03.2011	% ElercT. March.2011	Cumulative on 03.2012	% ElercT. March.2012
States								
1	Andhra Pradesh	26613	26613	100.00	26613	100.00	26613	100.00
2	Arunachal Pradesh	3863	2195	56.82	2256	58.40	2917	75.51
3	Assam	25124	19741	78.57	22845	90.93	24156	96.15
4	Bihar	39015	23914	61.29	30237	77.50	35062	89.87
5	Chattisgarh	19744	18877	95.61	19177	97.13	19181	97.15
6	Goa	347	347	100.00	347	100.00	347	100.00
7	Gujarat	18066	18015	99.72	18029	99.80	18029	99.80
8	Haryana	6764	6764	100.00	6764	100.00	6764	100.00
9	Himachal Pradesh	17495	17183	98.22	17412	99.53	17466	99.83
10	Jharkhand	29354	9119	31.07	25966	88.46	26190	89.22
11	Jammu & Kashmir	6417	6304	98.24	6304	98.24	6304	98.24
12	Karnataka	27481	27458	99.92	27466	99.95	27468	99.95
13	Kerala	1364	1364	100.00	1364	100.00	1364	100.00
14	Madhya Pradesh	52117	50231	96.38	50605	97.10	50678	97.24
15	Maharashtra	41095	36296	88.32	41000	99.77	41059	99.91
16	Manipur	2315	1997	86.26	1997	86.26	1997	86.26
17	Meghalaya	5782	3428	59.29	3842	66.45	4425	76.53
18	Mizoram	707	570	80.62	623	88.12	657	92.93
19	Nagaland	1278	823	64.40	866	67.76	896	70.11
20	Orissa	47529	29735	62.56	36349	76.48	37500	78.90
21	Punjab	12278	12278	100.00	12278	100.00	12278	100.00
22	Rajasthan	39753	28253	71.07	37785	95.05	38246	96.21
23	Sikkim	450	425	94.44	425	94.44	450	100.00
24	Tamil Nadu	15400	15400	100.00	15400	100.00	15400	100.00
25	Tripura	858	491	57.23	569	66.32	611	71.21
26	Uttar Pradesh	97942	86450	88.27	86450	88.27	86450	88.27
27	Uttarakhand	15761	15213	96.52	15593	98.93	15593	98.93
28	West Bengal	37945	37756	99.50	37762	99.52	37819	99.67
Total (States)		592857	497240	83.87	546324	92.15	555920	93.77
Total (UTs)		875	710	81.14	710	81.14	713	81.49
Total (States + UTs)		593732	497950	83.87	547034	92.13	556633	93.75

Energisation of Pumps

S.No.	States/Uts	Cumulative on 03.2000	Cumulative March.2007	Cumulative March.2008	Cumulative March.2009	Cumulative March.2010	Cumulative March.2011	Cumulative March.2012
<u>States</u>								
1	Andhra Pradesh	1918712	2440823	2599635	2440823	2440823	2909006	2925319
2	Arunachal Pradesh	0	0	0	0	0	0	0
3	Assam	3675	3675	3675	3675	3675	3675	3675
4	Bihar	272629	272331	273102	273722	273722	273873	276046
5	Chattisgarh		159662	182435	162783	162783	263002	281849
6	Goa	6658	7485	8143	8143	8143	8143	8143
7	Gujarat	670422	839676	873977	910965	910965	987270	1002326
8	Haryana	411022	474296	515869	526398	526398	559334	568644
9	Himachal Pradesh	5762	11659	12934	14399	14399	17639	19290
10	Jharkhand		9453	9453	9453	9453	9453	9453
11	Jammu & Kashmir	5621	9714	9714	9714	9714	9714	9714
12	Karnataka	1181963	1705225	1723224	1729295	1729295	1823376	1885489
13	Kerala	373862	474602	490054	490054	490054	533390	545093
14	Madhya Pradesh	1298108	1349570	1351075	1355079	1355079	1365724	1374908
15	Maharashtra	2275531	2777832	2897155	3013183	3013183	3490414	3742997
16	Manipur	45	45	45	45	45	45	45
17	Meghalaya	65	65	65	65	65	65	65
18	Mizoram	0	0	0	0	0	0	0
19	Nagaland	176	194	194	194	194	194	194
20	Orissa	74526	74625	74625	74625	74625	74625	76562
21	Punjab	755141	966073	981157	966073	966073	1143267	1153509
22	Rajasthan	613061	800941	830705	909976	909976	1042473	1083584
23	Sikkim	0	0	0	0	0	0	0
24	Tamil Nadu	1680312	1920472	1955114	1990259	1990259	2096212	2127732
25	Tripura	2094	4385	4629	4865	4865	5618	5707
26	Uttar Pradesh	817673	874966	896475	898212	898212	898212	898212
27	Uttarakhand		18915	20119	20119	20119	22887	23853
28	West Bengal	109291	114490	115462	116129	116129	116343	116348
Total (States)								
		12476349	15311174	15829035	15928248	15928248	17653954	18138757
Total (UTs)								
		37895	39123	39186	39232	39232	39331	39379
Total (States + UTs)								
		12514244	15350297	15868221	15967480	15967480	17693285	18178136

Chapter 4

Financial Performance

4.1 Introduction

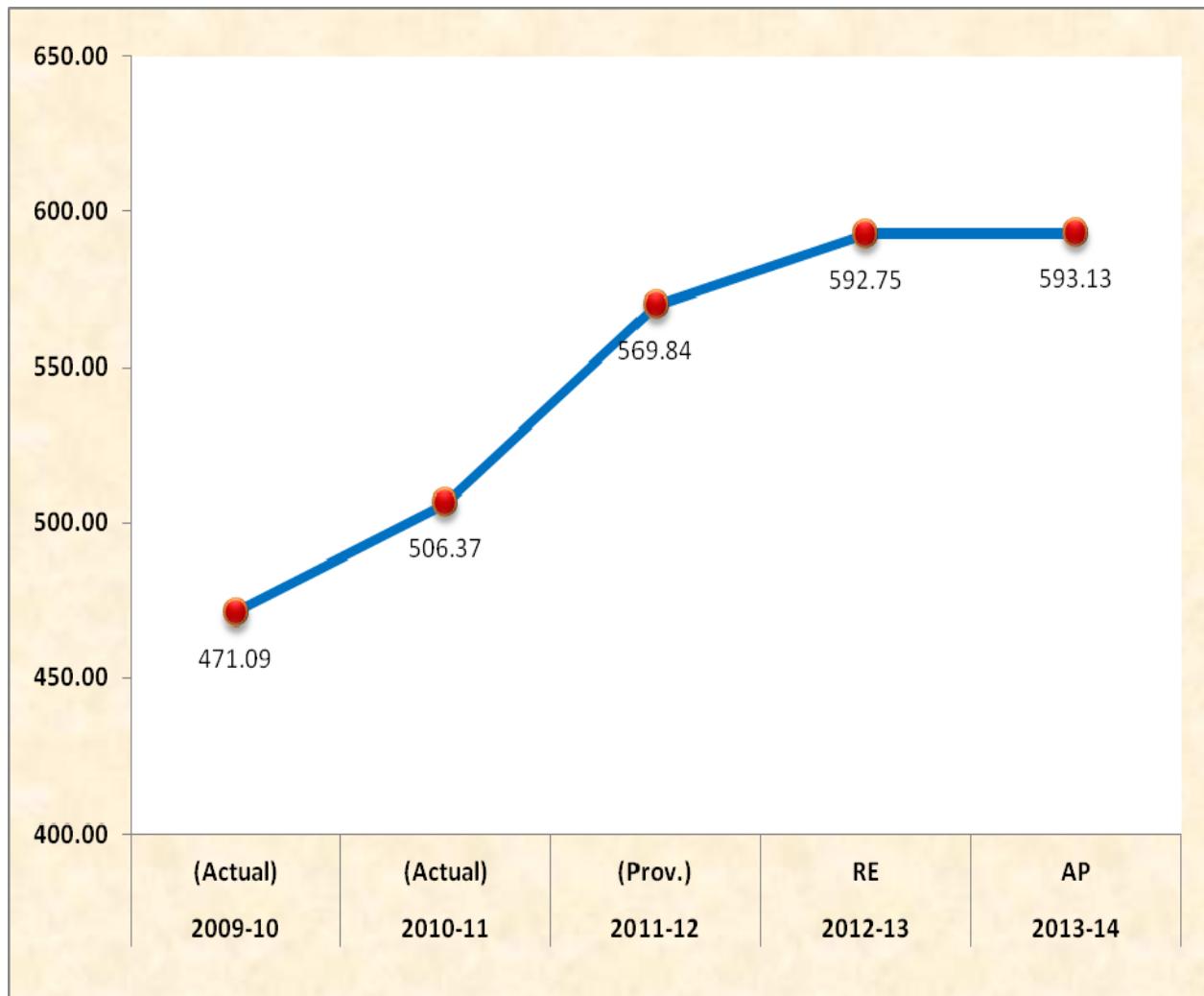
This chapter focuses on the financial performance of the distribution utilities. The data relating to performance parameters such as the cost of supply of electricity and its various components such as average tariff and revenue realization (including consumer category-wise tariff), unit cost-revenue comparison, commercial profit & loss, subsidies & cross subsidization, net internal resources, rate of return, revenue arrears and other related parameters have been analyzed.

4.2 Cost of Power Supply

The cost of supply of electricity represents the cost incurred by the utility to supply electricity to ultimate consumers. The components of cost of supply include Operation & Maintenance expenditure, establishment & administration cost, interest payment liability, depreciation, fuel cost and expenditure on power purchase. The fuel cost incurred by the utilities is accounted for in the calculation of the total cost of supply only in states where the generation and distribution are still integrated under a single company. For states where generation and distribution are unbundled, instead of the fuel cost, the cost of power purchase has been indicated.

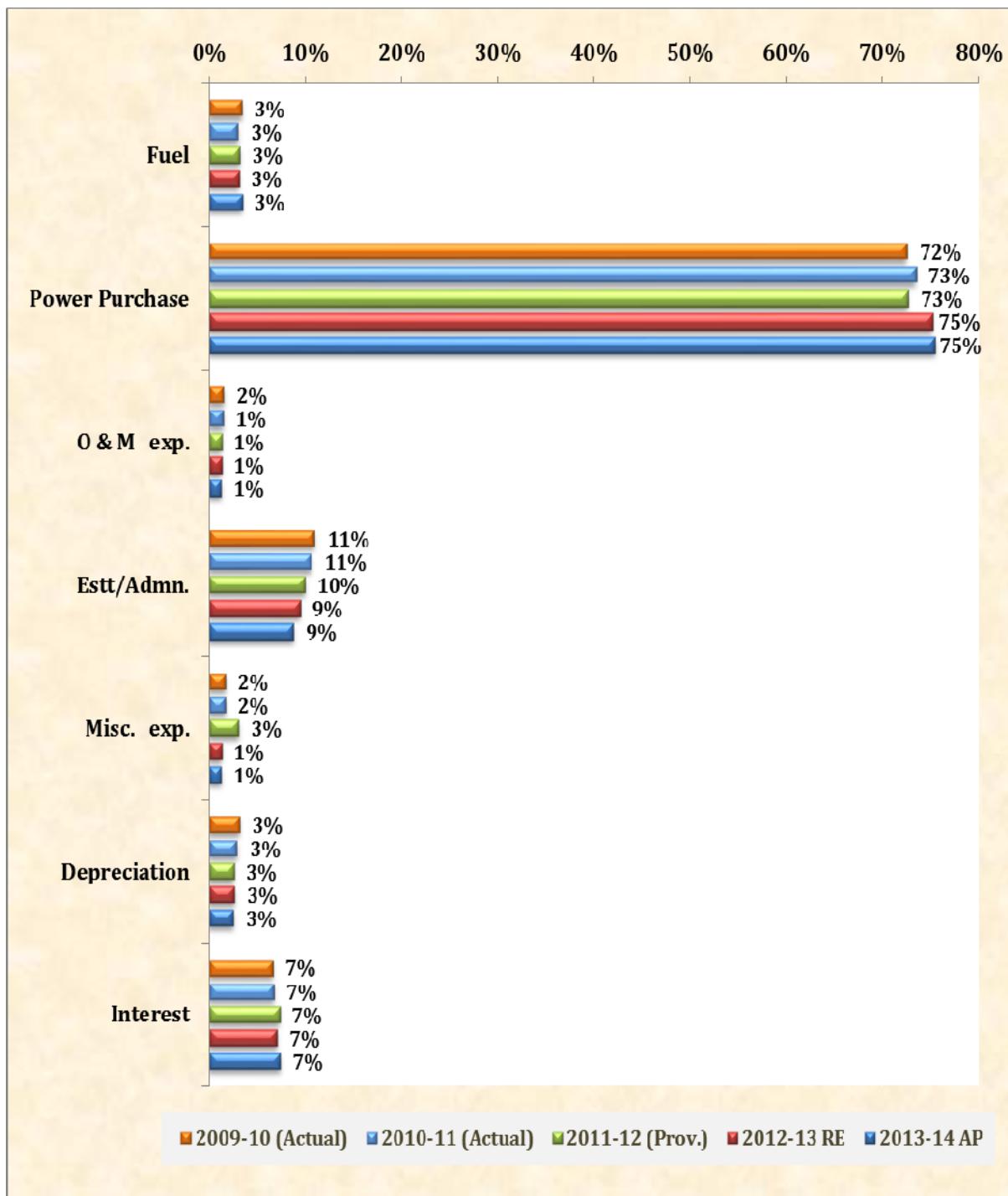
The average cost of supply per unit of electricity sold has been progressively increasing over the years. The cost of supply has increased to 570 paise per kWh sold in 2011-12 from 263 paise per kWh sold in 1998-99, implying an annual growth rate of 6.1 per cent. The cost of supply per unit sold is shown below (Figure 4.1).

Figure 4.1
Cost of Power Supply (Paise/kWh sold) from 2009-10 to 2013-14



The increase in the total cost of supply could be attributed mainly to the rise in interest payments, establishment & administration expenses and expenditure on power purchase. Figure 4.2 below shows the share of each component in the total cost of power supply from 2009-10 to 2013-14. The share of each component remained relatively constant from 2009-10 to 2013-14. The expenditure on power purchase was the largest component of the total cost of supply – with a share of 73% in 2011-12.

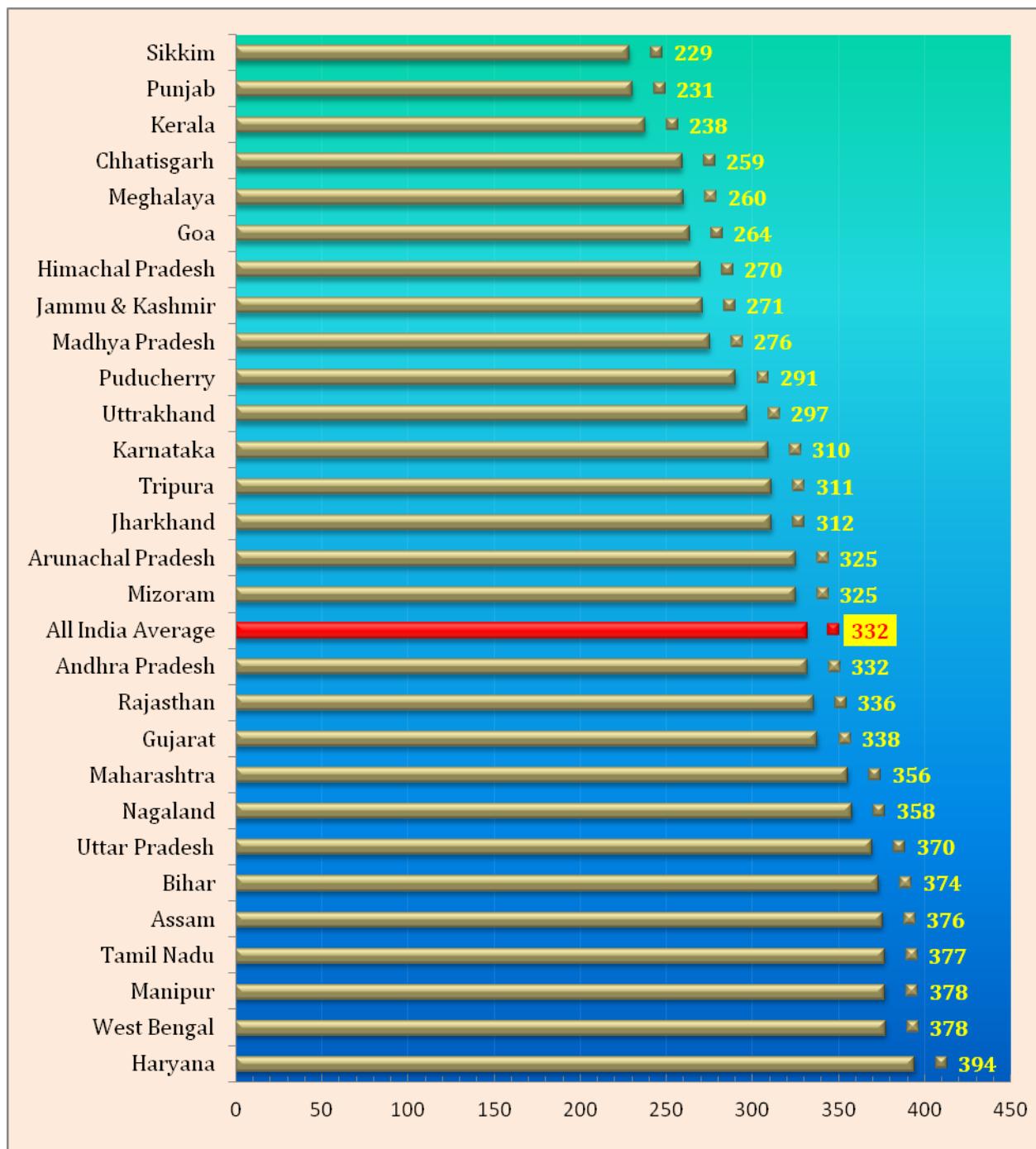
Figure 4.2
**Share of each cost component (%) in total cost of power supply from
2009-10 to 2013-14**



The unit cost of supply has increased from 471.09 paise/kWh in 2009-10 to 593.13 paise/kWh in 2013-14 by 26%. In percentage terms, maximum increase was in the interest payments (39%), followed by increase in power purchase expenses (31%) and fuel (21%). The O&M expenses, establishment

/administration expenses and other miscellaneous expenses have shown no change during the same period. The variation in the cost of supply across different States in 2011-12 is shown in Figure 4.3 below. The share of individual components of the cost of supply for each individual State for 2011-12 is shown in Annexure 4.4.

Figure 4.3
Cost of Power Supply (Paise/kWh sold) across Different States for 2011-12



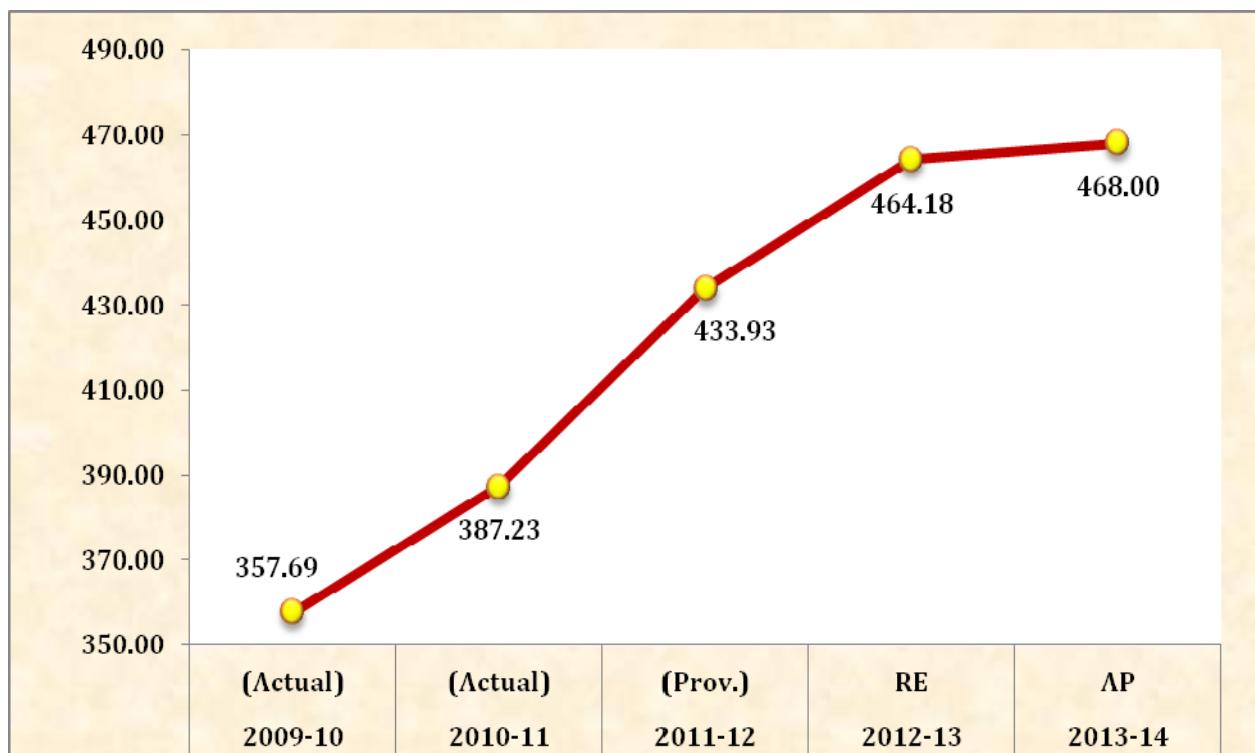
4.3 Components of Cost of Power Supply

The details on each of the component of the cost of supply are given below in this section.

4.3.1 Expenditure on Power Purchase

The share of expenditure on power purchase (including owned fuel cost) in the cost of supply has increased from 39 percent in 1998-99 to 76 percent in 2011-12. The expenditure on power purchase expressed in terms of expenditure incurred per unit of electricity sold has increased from 152 paise/kWh sold in 1998-99 to 433.93 paise/kWh sold in 2011-12. The per unit power purchase cost during last five years is shown in Figure 4.4.

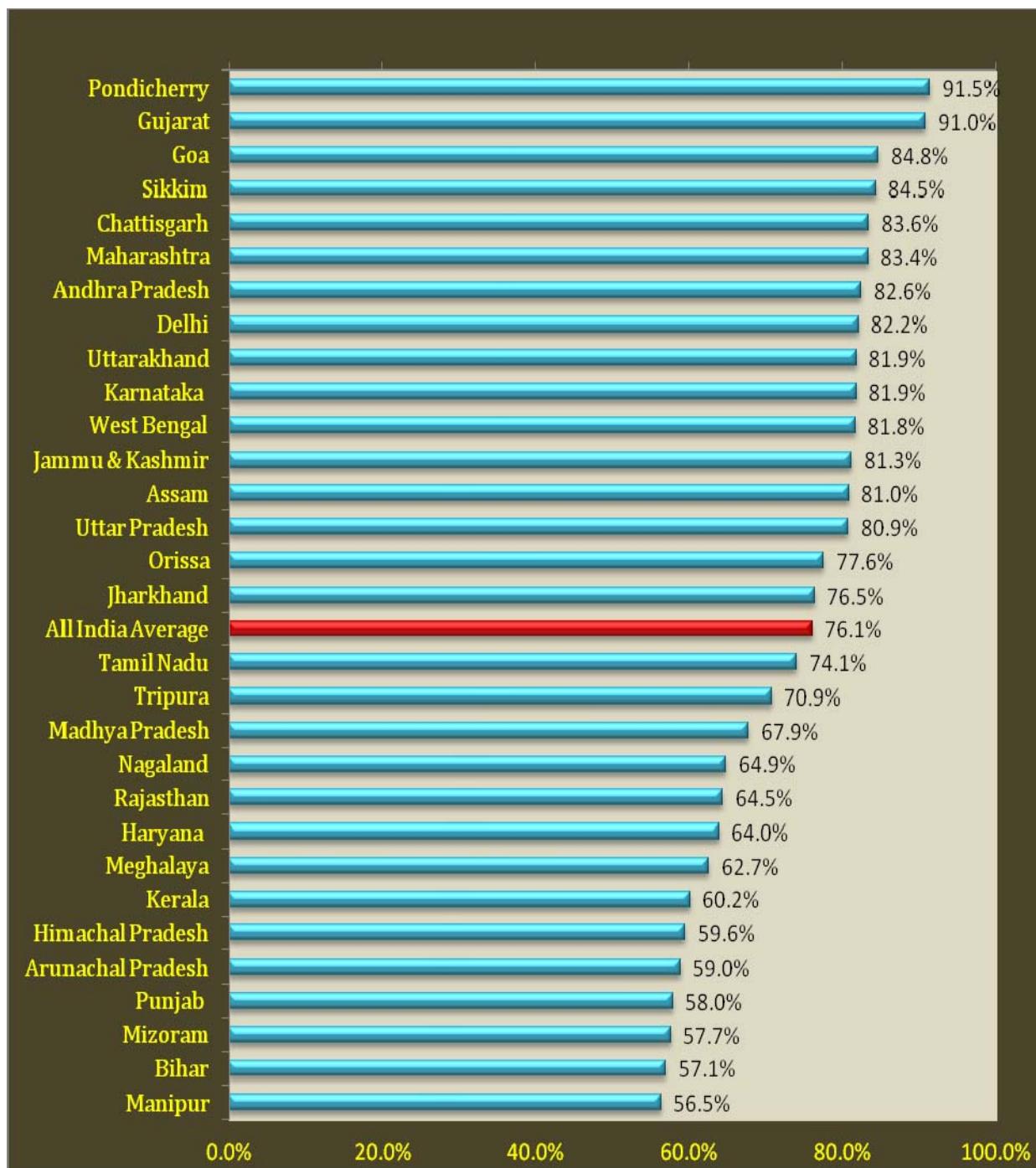
Figure 4.4
Expenditure on Power Purchase (including owned fuel cost)
(paise/kWh sold) from 2009-10 to 2013-14



The State wise variation in the share of cost on power purchase (including owned fuel cost) in the total cost of power supply is given in Figure 4.5 for 2011-12.

Figure 4.5

**State-wise variation in the Share of Expenditure on Power Purchase
(Including owned fuel cost) in Total Cost of Supply for 2011-12**

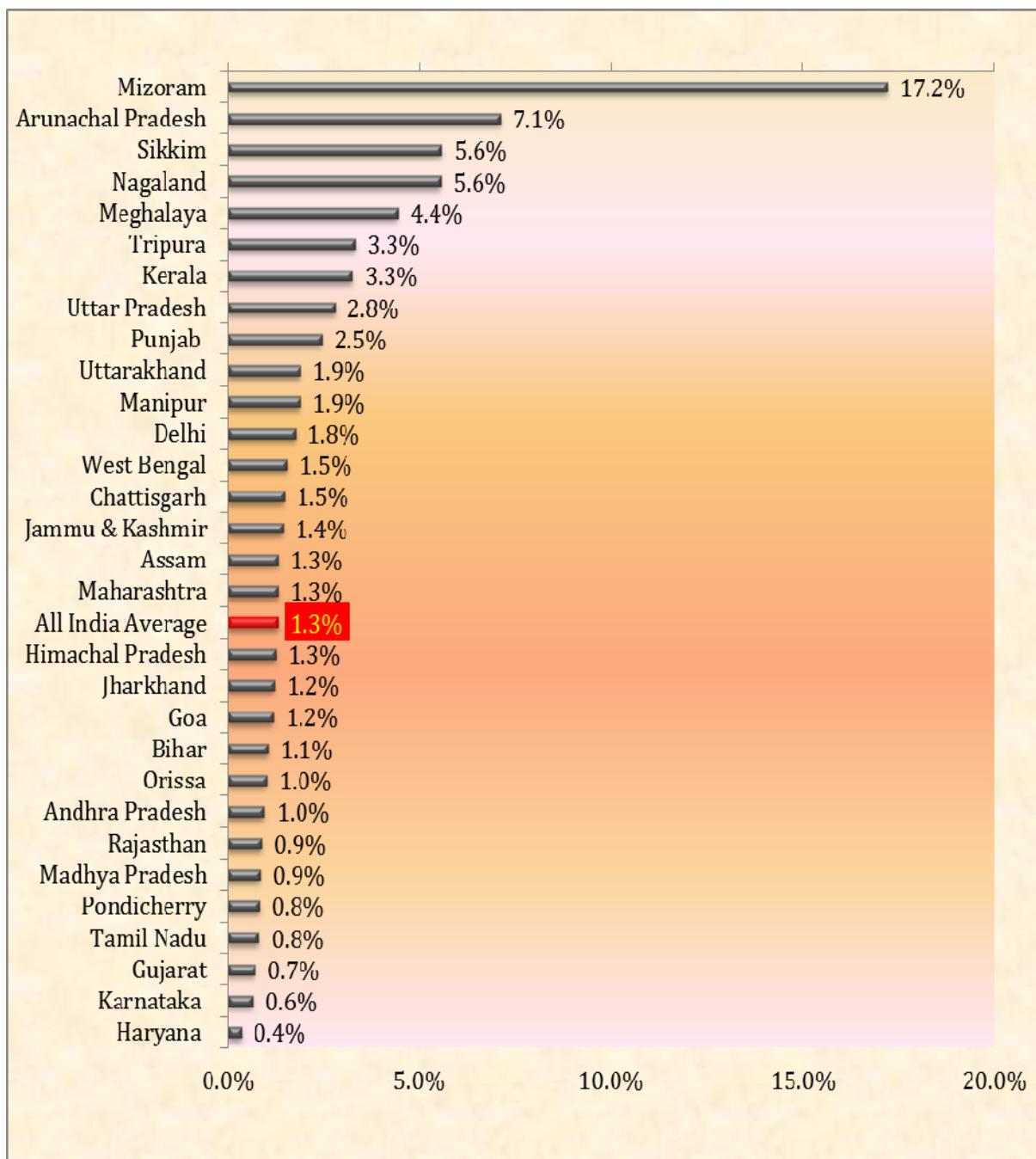


4.3.2 Expenditure on O&M Works

The share of O&M in the cost of power supply has reduced from 3.57% in 1998-99 to 1.31% in 2009-10. It is expected to further decrease to 1.23% in 2013-14. The share of O&M in total cost of supply for 2011-12 is shown in Figure 4.6.

Figure 4.6

Share of O&M in the Total Cost of Supply across States in 2011-12

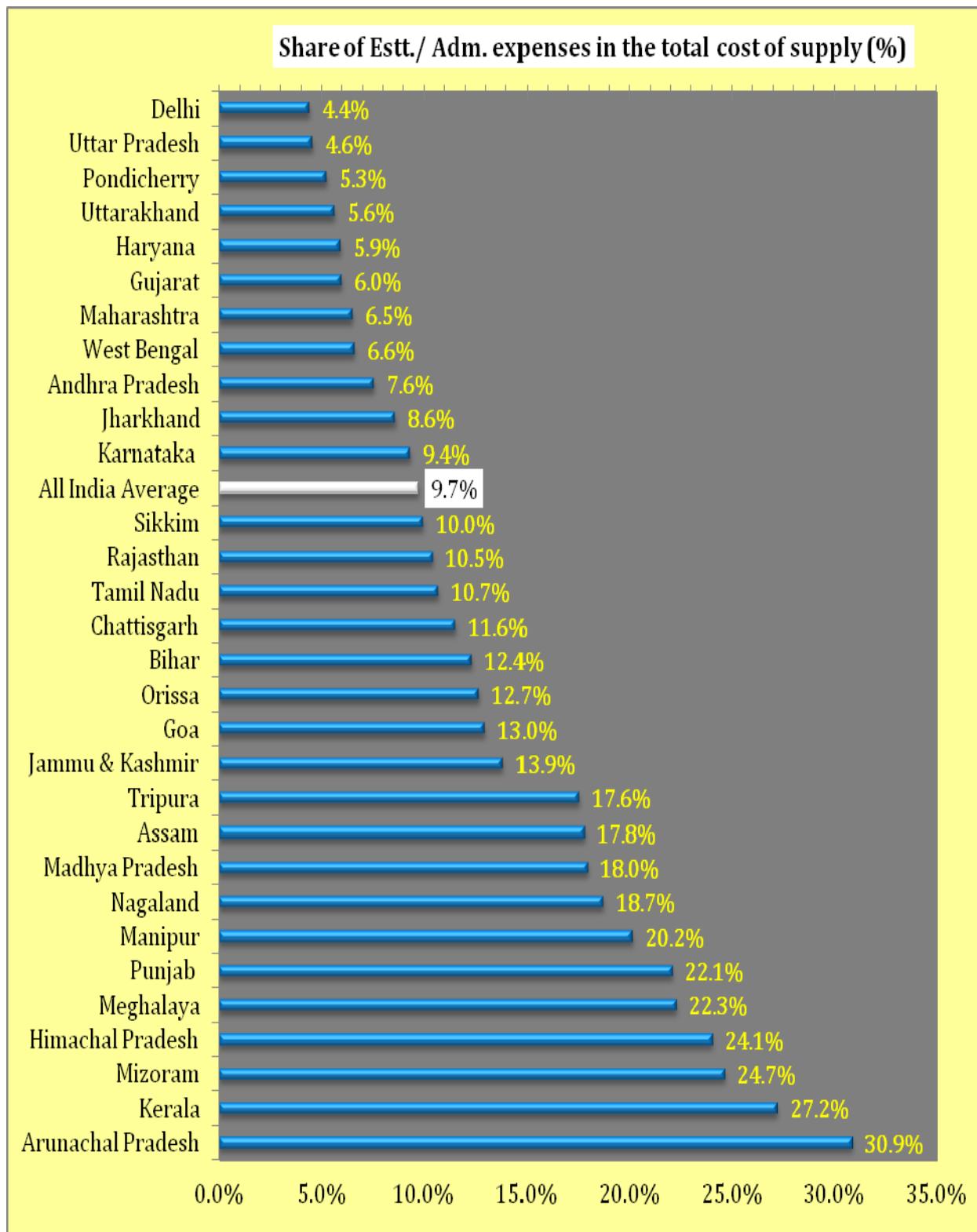


4.3.3 Expenditure on Establishment and Administration

Establishment and Administration charges comprise mainly the wages & salaries of staff and pension payments in case of certain States. The share of establishment and administrative expenses in the cost of supply has reduced from 14.6% in 1998-99 to 9.7% in 2011-12 and it is expected to further reduce to 8.8% in 2013-14 (AP). State -wise variation in this respect is given below for 2011-12 (Figure 4.7).

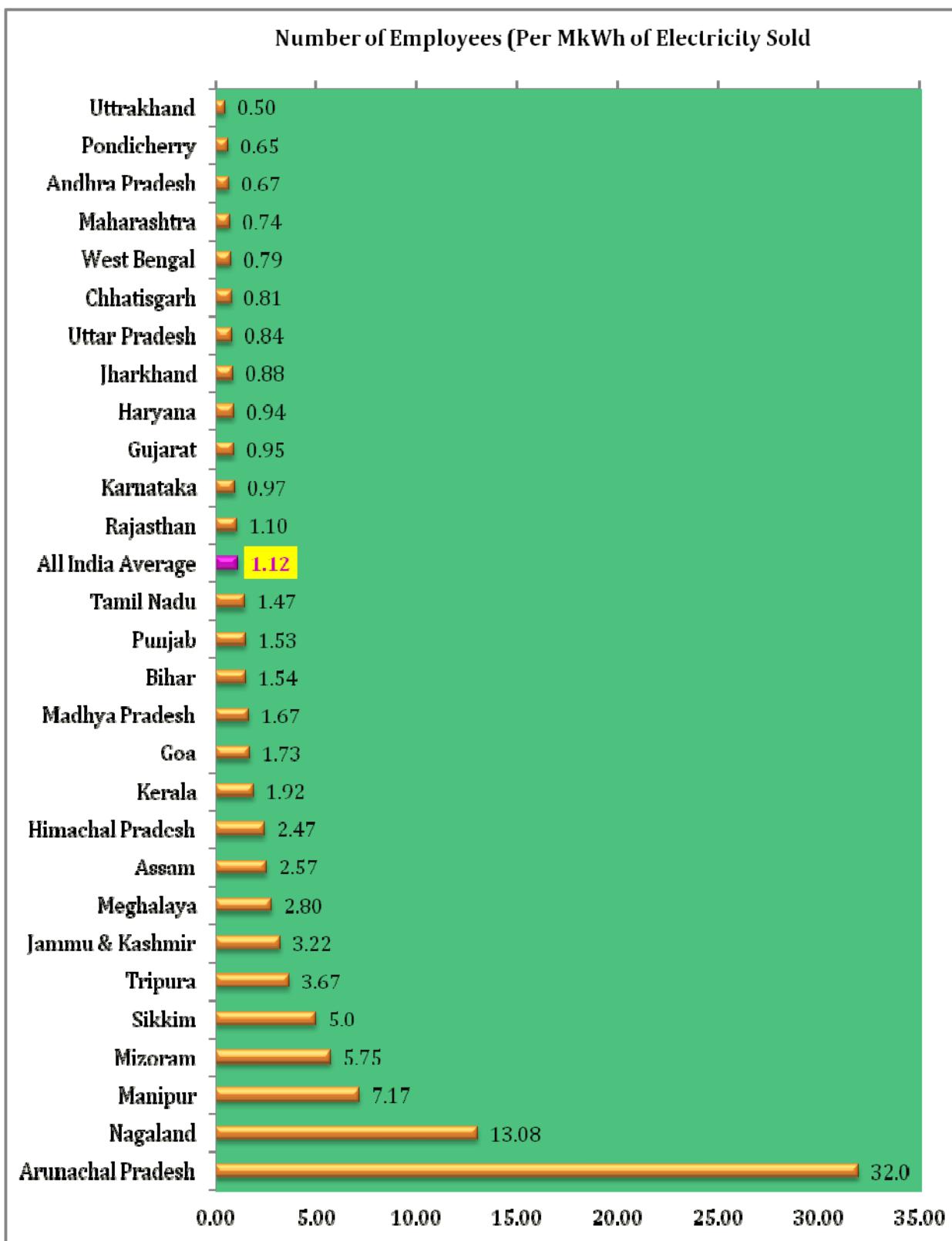
Figure 4.7

Share of Establishment and Administration Expenses in the Total Cost of Supply across Different States in 2011-12



The number of employees in utilities has declined from 9.77 lakh in 1998-99 to 6.6 lakh in 2011-12. Consequently, the number of employees per million units of electricity sold has also declined. The average employees per million units of electricity sold declined from 3.25 in 1998-99 to 1.12 in 2011-12 and the same is projected to reduce to 0.91 in 2013-14. As a result, the numbers of employees per thousand consumers have also declined from 9.89 in 1998-99 to 0.36 in 2011-12. State-wise variation in this respect is shown in figure below for 2011-12 (Figure 4.8).

Figure 4.8
**Number of Employees (per MkWh of Electricity Sold) across States for
2011-12**

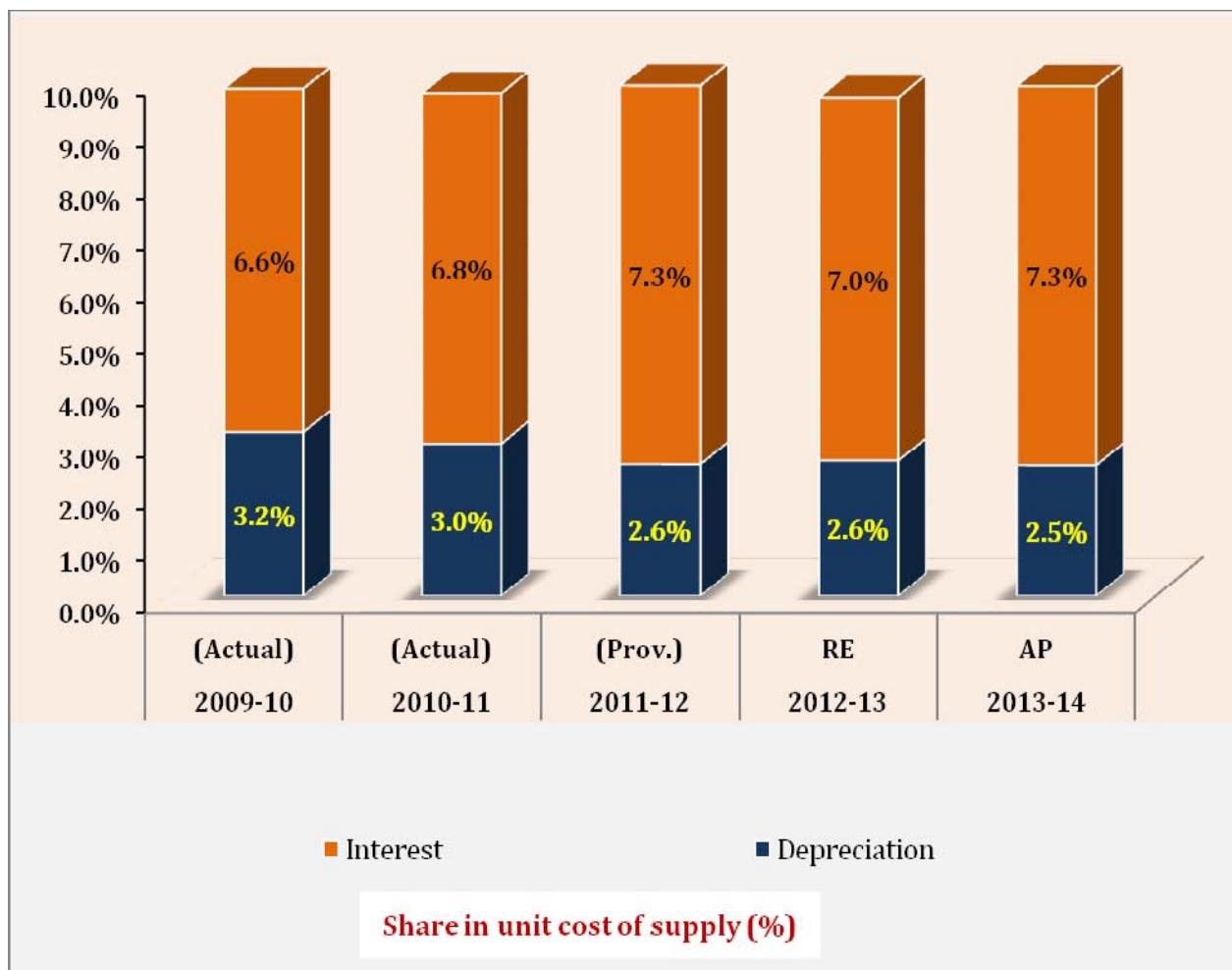


4.3.4 Nature of Fixed Costs

The share of fixed costs, viz., depreciation and interest payments in the average cost of supply has declined over the years. While the share of depreciation declined from 6.4% in 1998-99 to 2.6% in 2011-12, the share of interest cost, i.e. interest payable to the financial institutions and the State Governments came down to about 7.3% in 2011-12 from a level of 13.5% in 1998-99. The share of depreciation and interest payments in the cost of supply during last five years is shown in Figure 4.9.

Figure 4.9

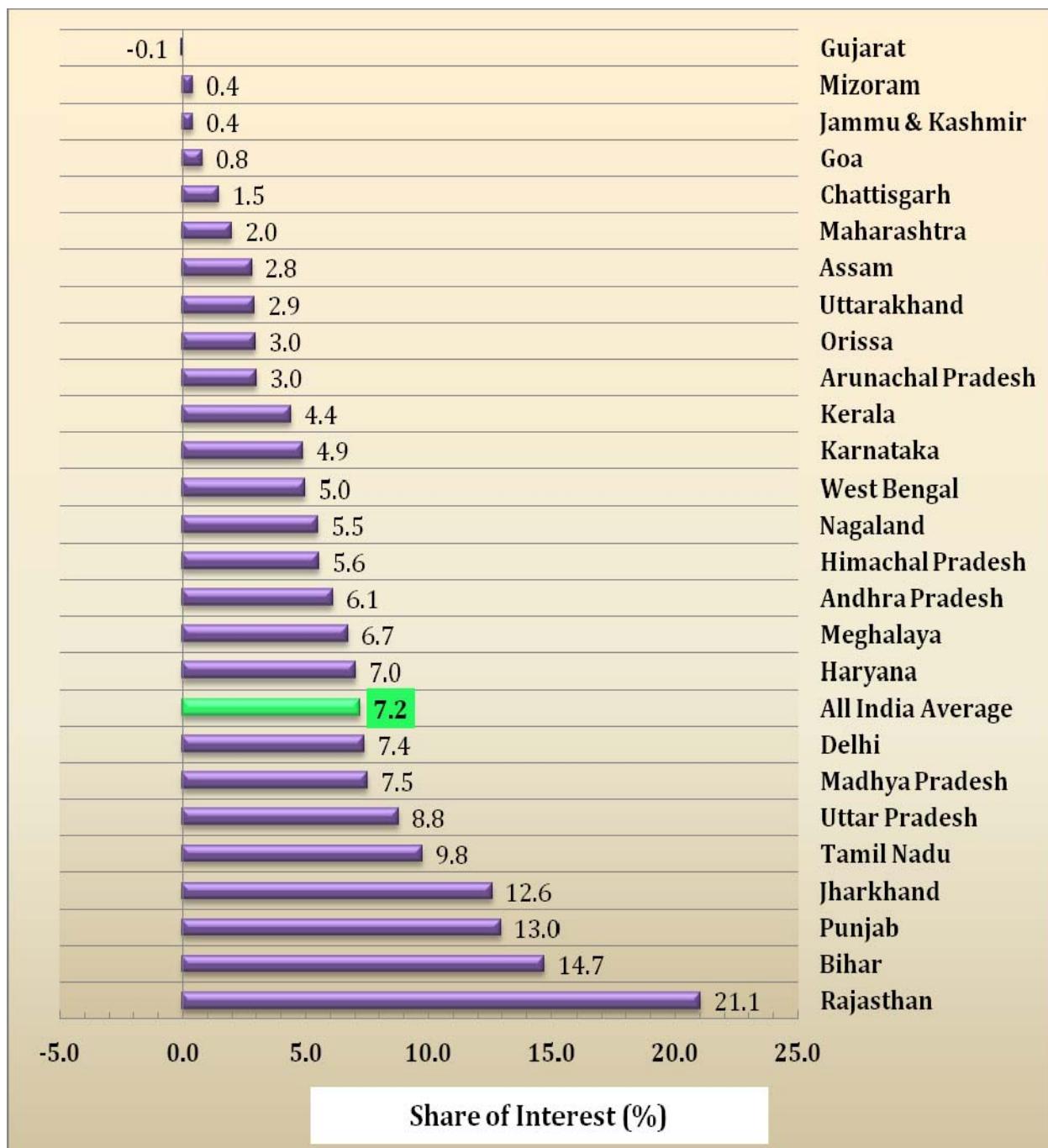
Share of Depreciation and Interest Payment in the Cost of Supply from 2009-10 to 2013-14



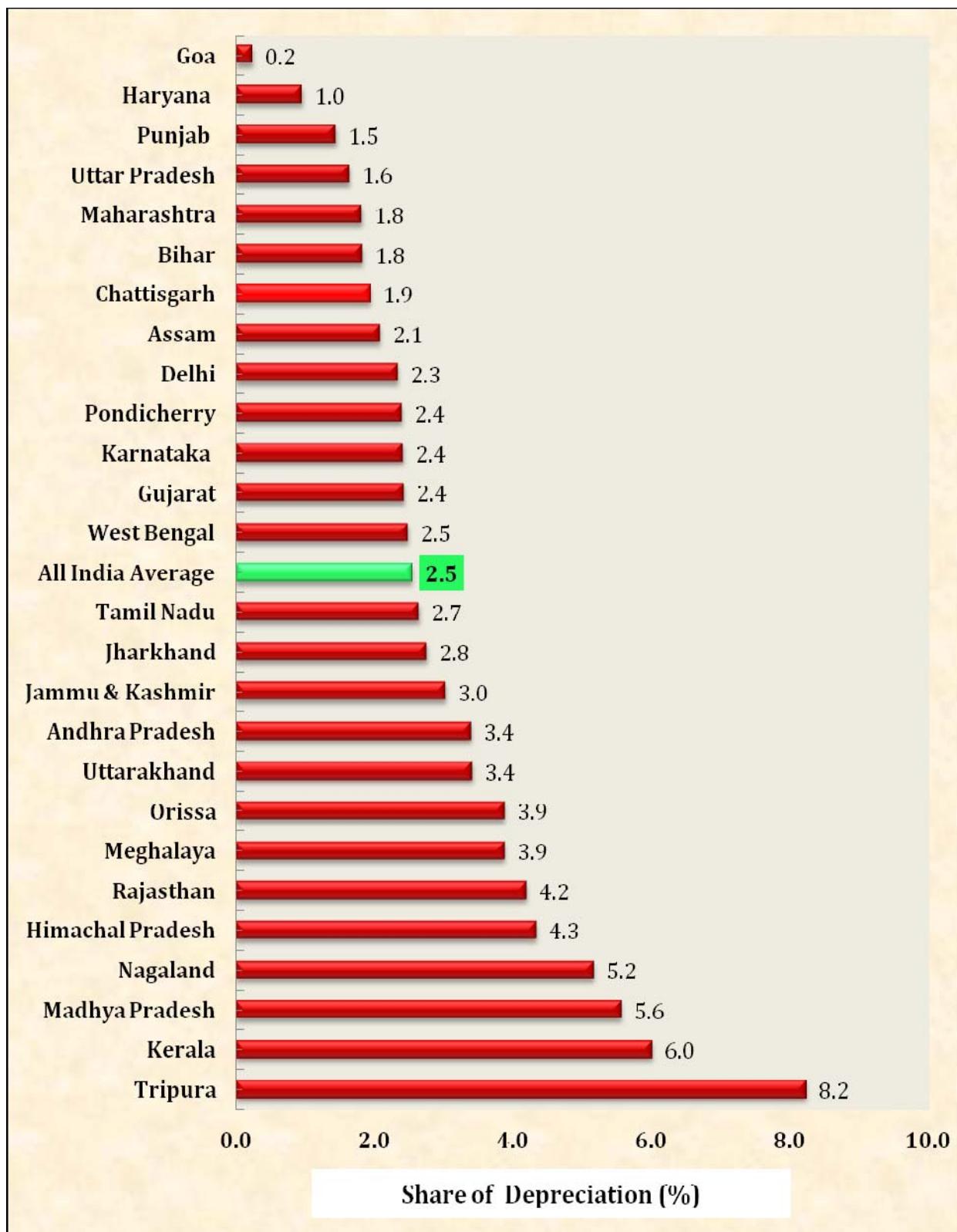
State-wise variation in the share of depreciation and interest payments for 2011-12 is given in Figure 4.10 (A & B).

Figure 4.10 (A&B)

A. Share of Interest Payment in the Cost of Supply across Different States for 2011-12



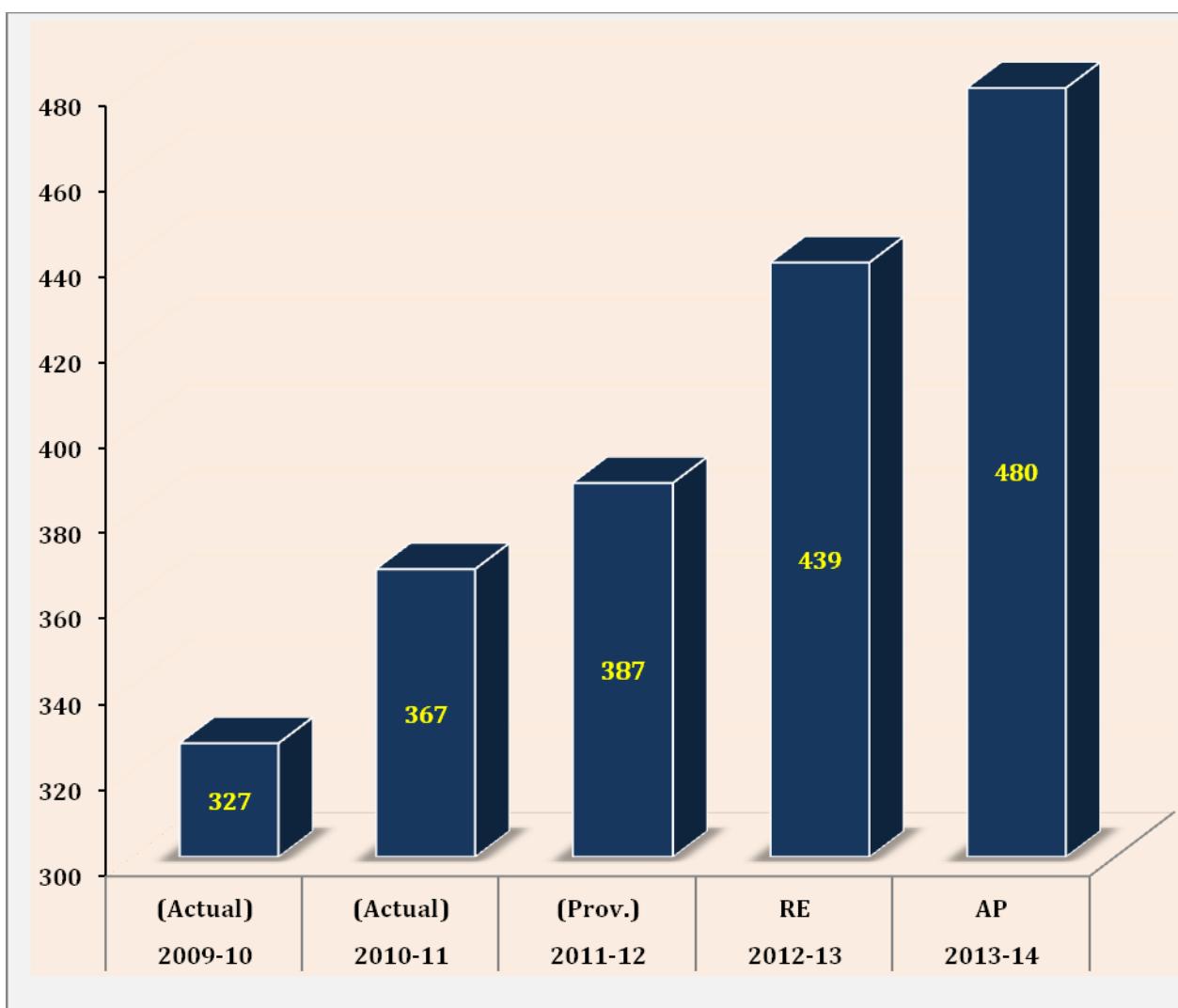
B. Share of Depreciation Payment in the Cost of Supply across Different States for 2011-12



4.4 Average Tariff and Revenue Realization

The average tariff represents the tariff charged for sale of electricity per unit of electricity sold by the utilities to the ultimate consumers. The average tariff has increased from 187 paise/kWh in 1998-1999 to 387 paise/kWh in 2011-12 implying an annual increase of 5.8 percent. The average tariff per unit electricity sold during last five years is given in Figure 4.12.

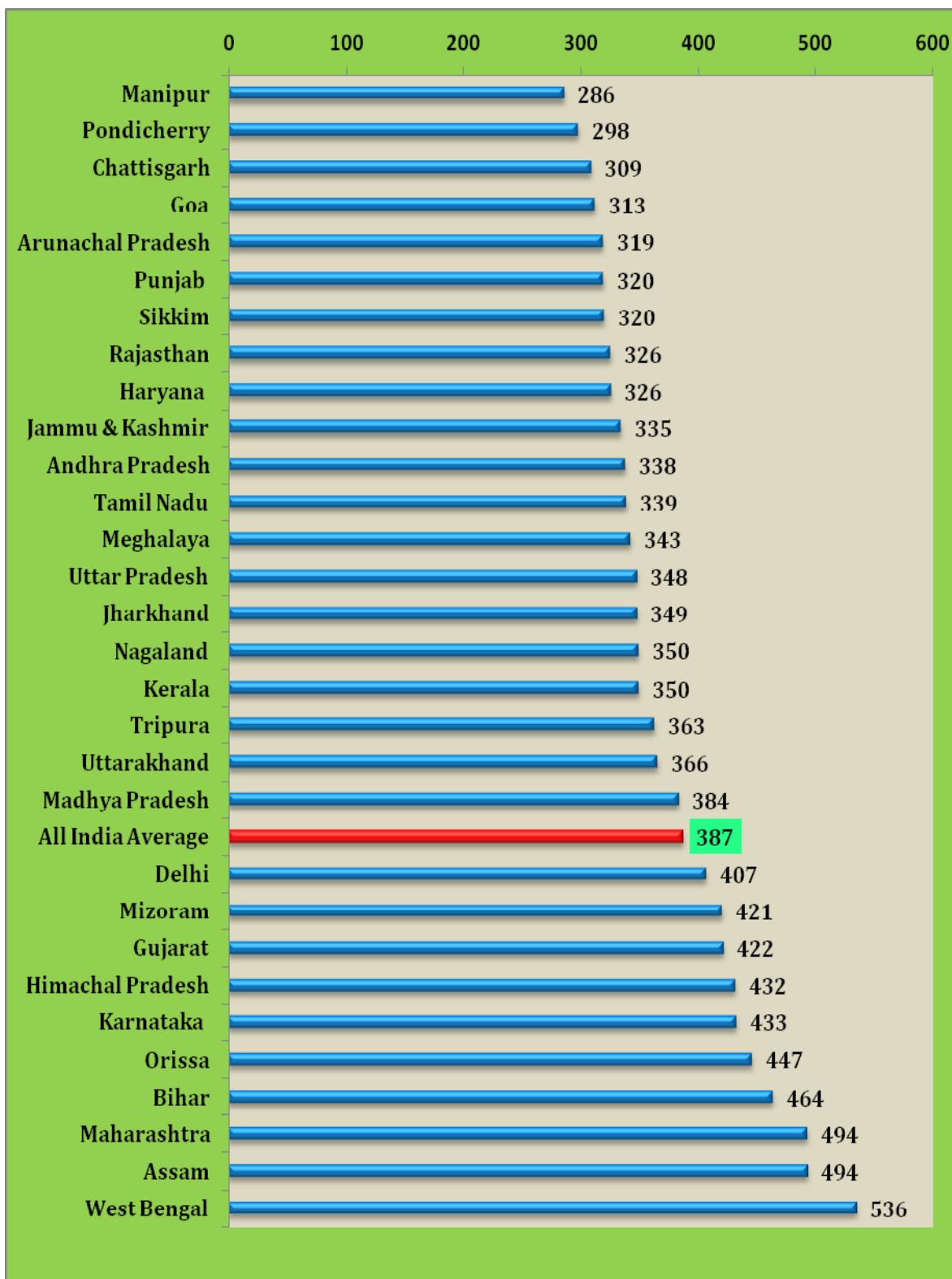
Figure 4.12
Average Tariff (Paise/kWh sold) from 2009-10 to 2013-14



The average tariff per unit electricity sold varies across states and is given in Figure 4.13 for 2011-12.

Figure 4.13

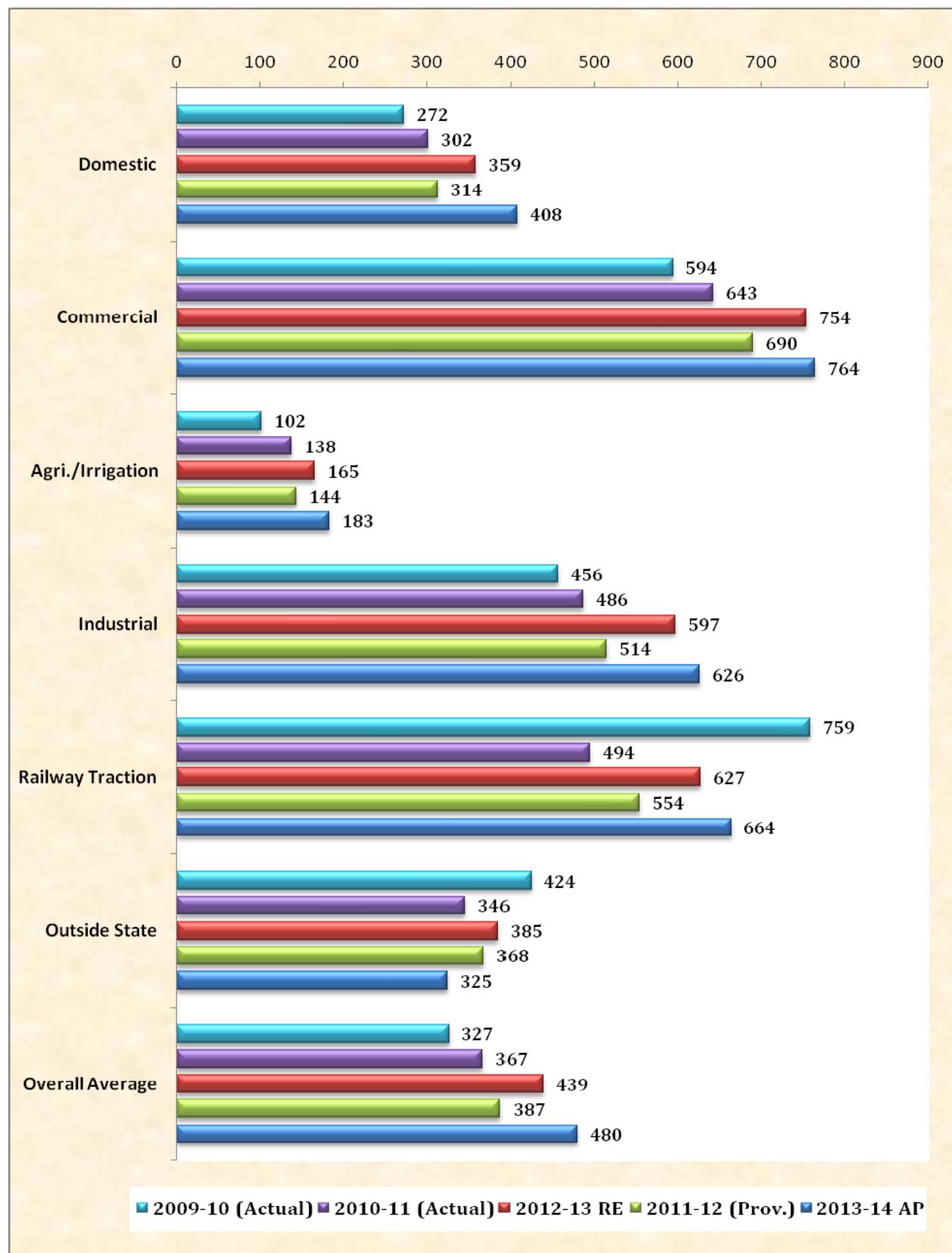
State-wise variation in average tariff (Paise/kWh sold) for 2011-12



4.5 Consumer Category-wise Average Tariff

The consumer category-wise tariff for electricity from 2009-10 to 2013-14 is given in Figure 4.14. From 2009-10 to 2011-12, the average tariff has increased by 47%. Over these three years, the maximum increase was in agriculture/irrigation tariff i.e. 41%. The domestic tariff increased by 15%, commercial tariff raise by 16%, industrial tariff increased by 13% and the tariff for railway traction reduced by 13%. It may however be seen that since nominal tariffs in agriculture are very low, even with a 47% increase, agricultural tariffs in nominal terms is still very low compared to other consumer categories.

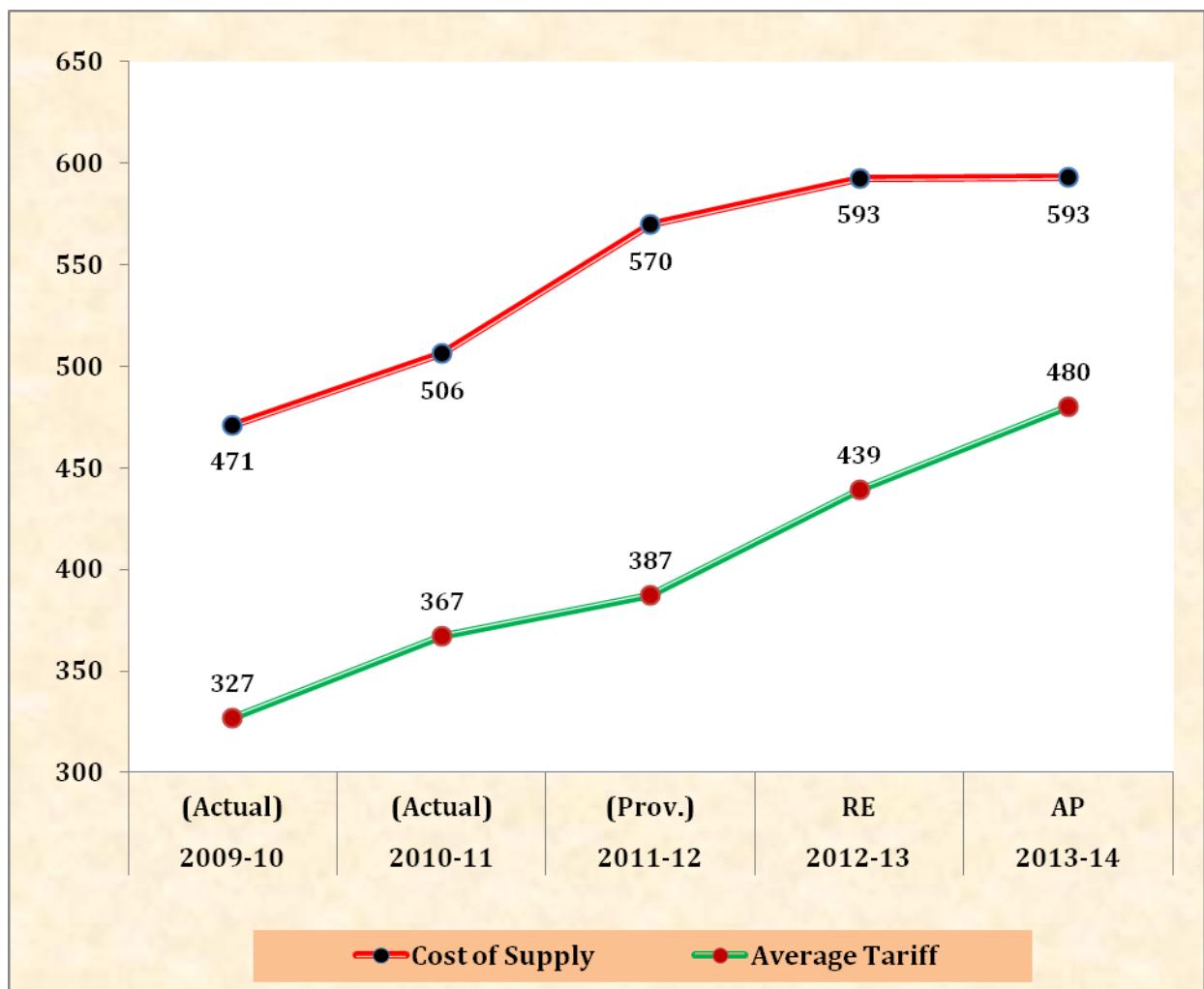
Figure 4.14
Consumer Category-wise Tariff for Electricity (paise/kWh) from 2009-10 to 2013-14



4.6 Unit cost-revenue comparison

The average tariff has increased in the past few years, but the rise has not been commensurate with the increase in the cost of supply. As a result, the gap between the cost of supply and the average tariff has been widening over the years. The gap has increased from 76 paise/kWh in 1998-99 to 183 paise/kWh in 2011-12. It is expected to decline to 113 paise/kWh in 2013-14. The cost of supply and average tariff from 2009-10 to 2013-14 is presented in Figure 4.15.

Figure 4.15
Average Cost of Power Supply and Average Tariff Realized (paise/kWh)
from 2009-10 to 2013-14



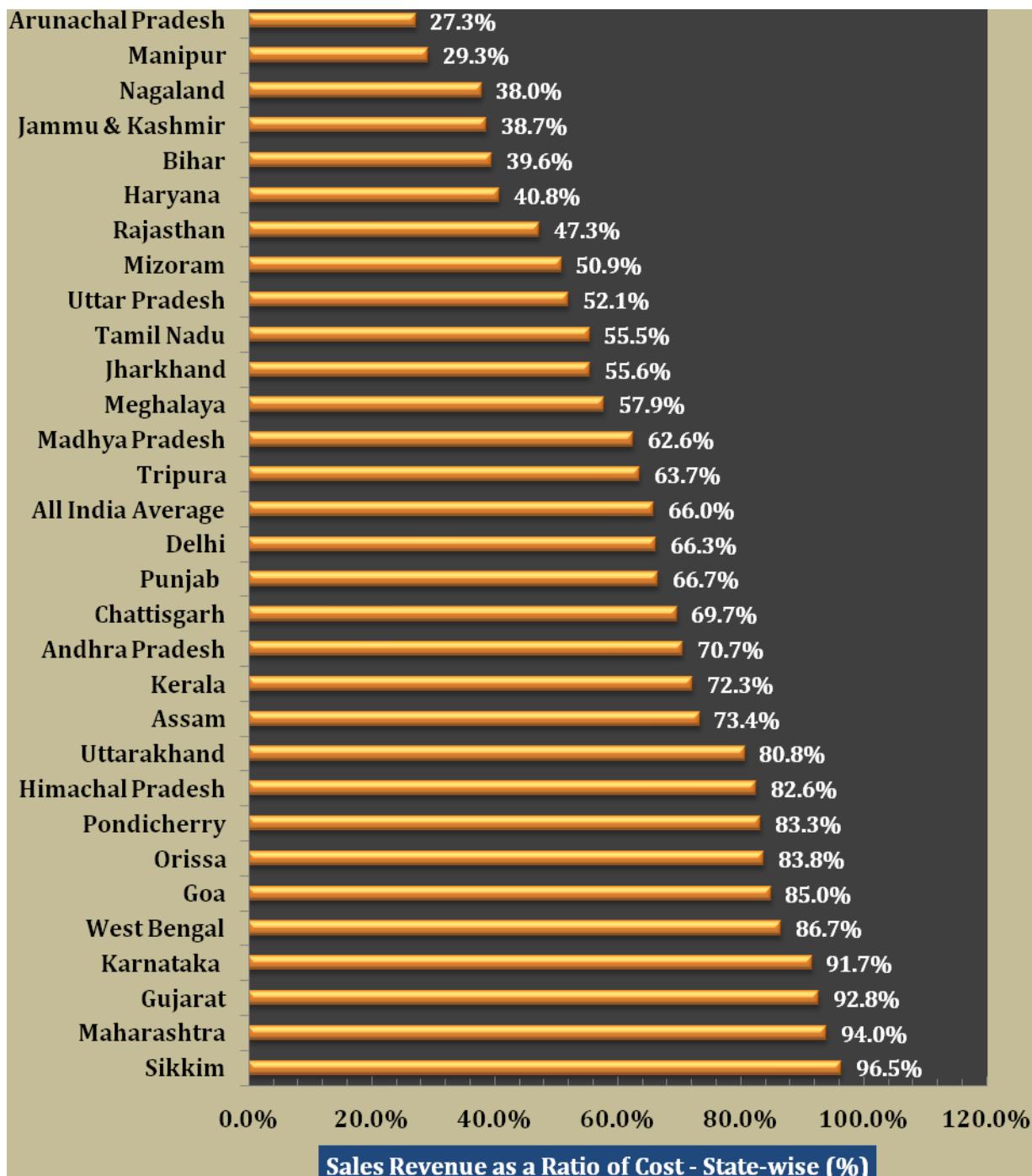
The level of recovery measured in terms of sales revenue as a ratio of cost has declined from 71.5% in 1998-99 to 66% in 2011-12. The level of recovery is expected to increase to 81% in 2013-14 as given in Figure 4.16.

Figure 4.16
Sales Revenue as a Ratio of Cost from 2009-10 to 2013-14



The inter-state variation in sales-revenue as a ratio of cost in 2011-12 is given in Figure 4.17.

Figure 4.17
State-wise variation in the level of recovery in 2011-12

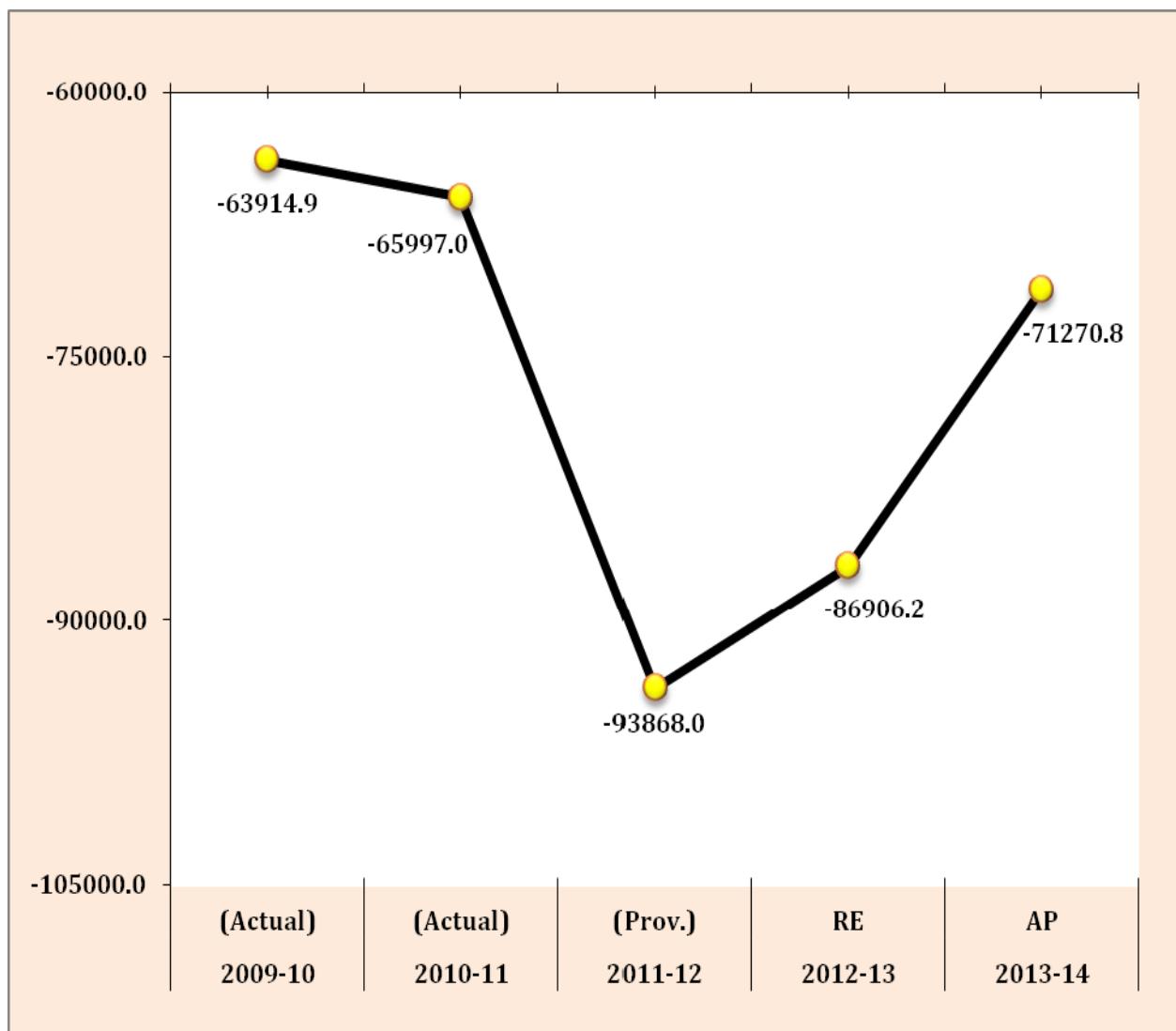


4.7 Commercial Profit/Loss

The commercial loss is the gap between total revenue receivables and total expenditure in a given year. The total expenditure includes payments towards depreciation and interest payable to the State Government as well as financial institutions. The total revenue also includes subvention given by the State Government in lieu of subsidized power supplies to domestic and agricultural sectors. The commercial losses (without subsidy) increased from Rs.20,860 crore in 1992-93 to Rs. 93,868 crore in 2011-12. These losses are projected to reduce to 71,271 crore in 2013-14 (Figure 4.18).

Figure 4.18

Commercial Loss (without subsidy) from 2009-10 to 2013-14



The commercial losses (with subsidies) have also increased from 10,509 crore in 1998-99 to 64,402 crore in 2011-12. Table 4.1 presents the commercial losses (with subsidies) during last five years.

Table 4.1
Commercial Loss (with subsidy) from 2009-10 to 2013-14

(Rs. crore)

	Total	Revenue	Gross	Depreciation	Net	Total	Commercial
	Revenue	Expenditure	Operating		Operating	Interest	Profit
			Surplus		Surplus	Payable	(+)/Loss(-)
2009-10	196267	213494	-17227	7582	-24809	16074	-40883
2010-11	230185	247285	-17100	8209	-25309	18850	-44160
2011-12	269448	301984	-32537	7390	-39927	24475	-64402
2012-13 RE	327625	342482	-14856	9928	-24784	26614	-51398
2013-14 AP	409223	396953	12270	11125	1146	32294	-31148

4.8 Uncovered Subsidy and Cross Subsidization

The level of commercial losses of the utilities depend largely on the efforts to neutralize the effective subsidies incurred towards sales to agriculture and domestic sectors, through cross subsidization and the level of subventions provided by the State Governments. Table 4.2 summarizes the level of uncovered subsidies for the past five years after adjusting the surplus generated from other sectors and subvention provided by the states.

Table 4.2
Subsidy to Agriculture and Domestic Sector & Uncovered Subsidy

(Rs. crore)

	Subsidy to Agricultural Consumers	Subsidy to Domestic Consumers	Subsidy on Inter-state Sales	Gross Subsidy	Subvention received from State	Net Subsidy	Surplus from Other Sectors	Uncovered Subsidy
2009-10	45529	24068	416	70012	23601	46412	-4126	50537.12
2010-11	44660	26880	2765	74305	22231	52074	-1590	53663.61
2011-12	57901	24068	3843	85811	30057	55755	-8822	64576.8
2012-13 RE	62053	26880	4909	93842	35508	58334	5951	52382.71
2013-14 AP	66989	40448	12184	119621	40122	79498	27427	52070.88

Annexure 4.33 to 4.41 gives State-wise details regarding subsidy for agricultural, domestic and inter-state sales, subsidy after the introduction of the minimum agricultural tariff of 50 paise/kWh, subsidy/subvention provided by the State Government, surpluses generated from sales to other consumer's particularly industrial and commercial consumers and uncovered subsidy.

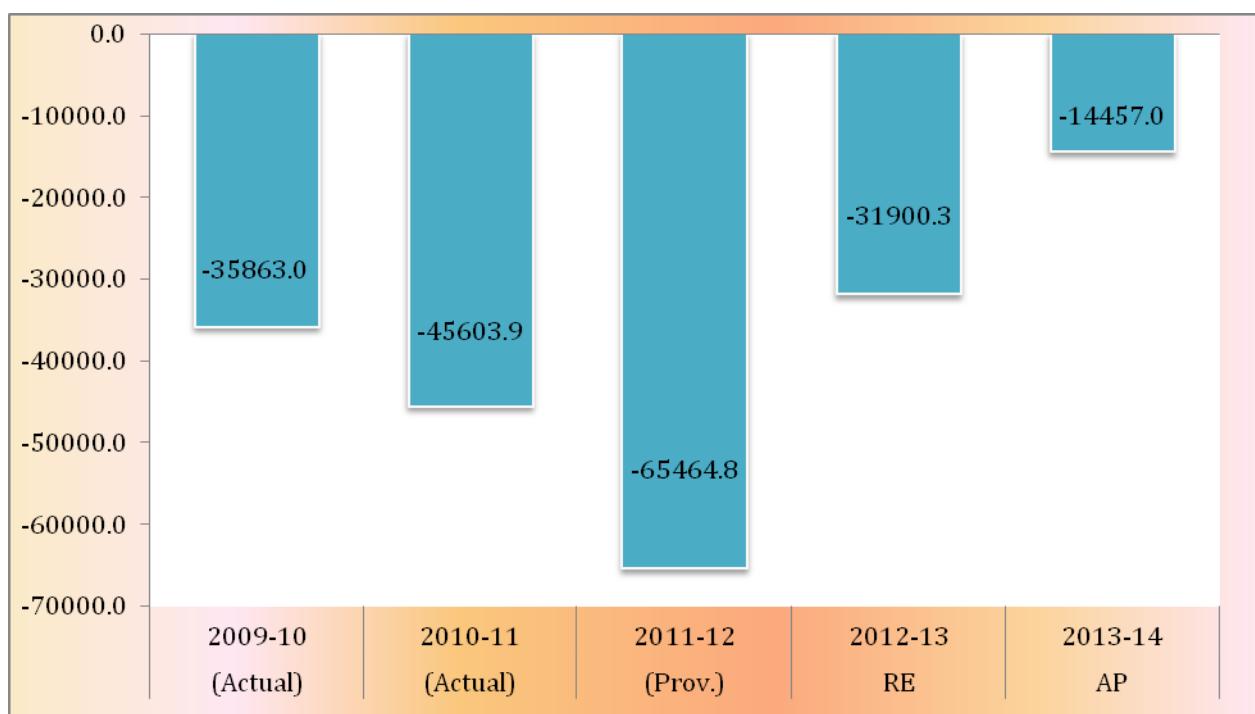
Gross Subsidy on energy sales has been increasing over the years because of the policy of the some of the States to provide electricity at subsidized rates to agriculture and domestic consumers. The gross subsidy on agriculture, domestic and inter-state is likely to increase from a level of Rs. 70,012 crore in 2009-10 to Rs. 1, 19,621 crore in 2013-14 (AP). The utilities makes an effort to recover the losses due to the subsidized power supply to domestic and agriculture consumers by way of cross subsidization, where the industrial and commercial consumers pay a tariff higher than the cost of supply.

4.9 Net Internal Resources

The net internal resource (IR) refers to the surplus left with the utilities after meeting the revenue expenditure and loan repayment obligations. It includes depreciation and the subvention provided by the State Government. If the utilities function on commercial lines, as is statutorily required, the IR should have been positive in the normal course.

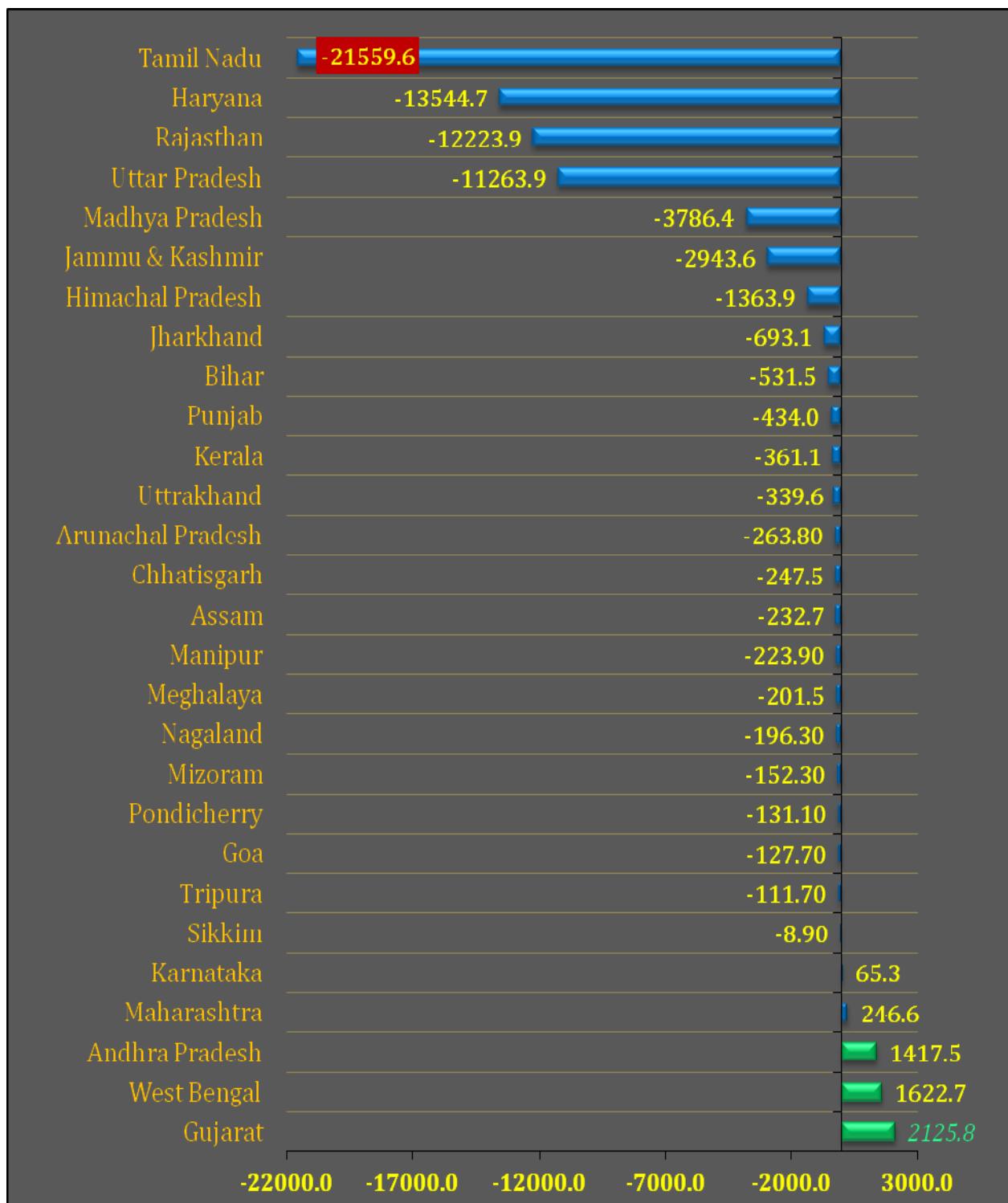
However, in practice IR had been negative during all these years. The net IR had increased from (-) 8,954 crore in 1998-99 to (-) 65,465 crore in 2011-12. The net IR during last five years is shown in Figure 4.19.

Figure 4.19
Net IR (Rs. crore) from 2009-10 to 2013-14



The state-wise variation in net IR for 2011-12 is given in Figure 4.20.

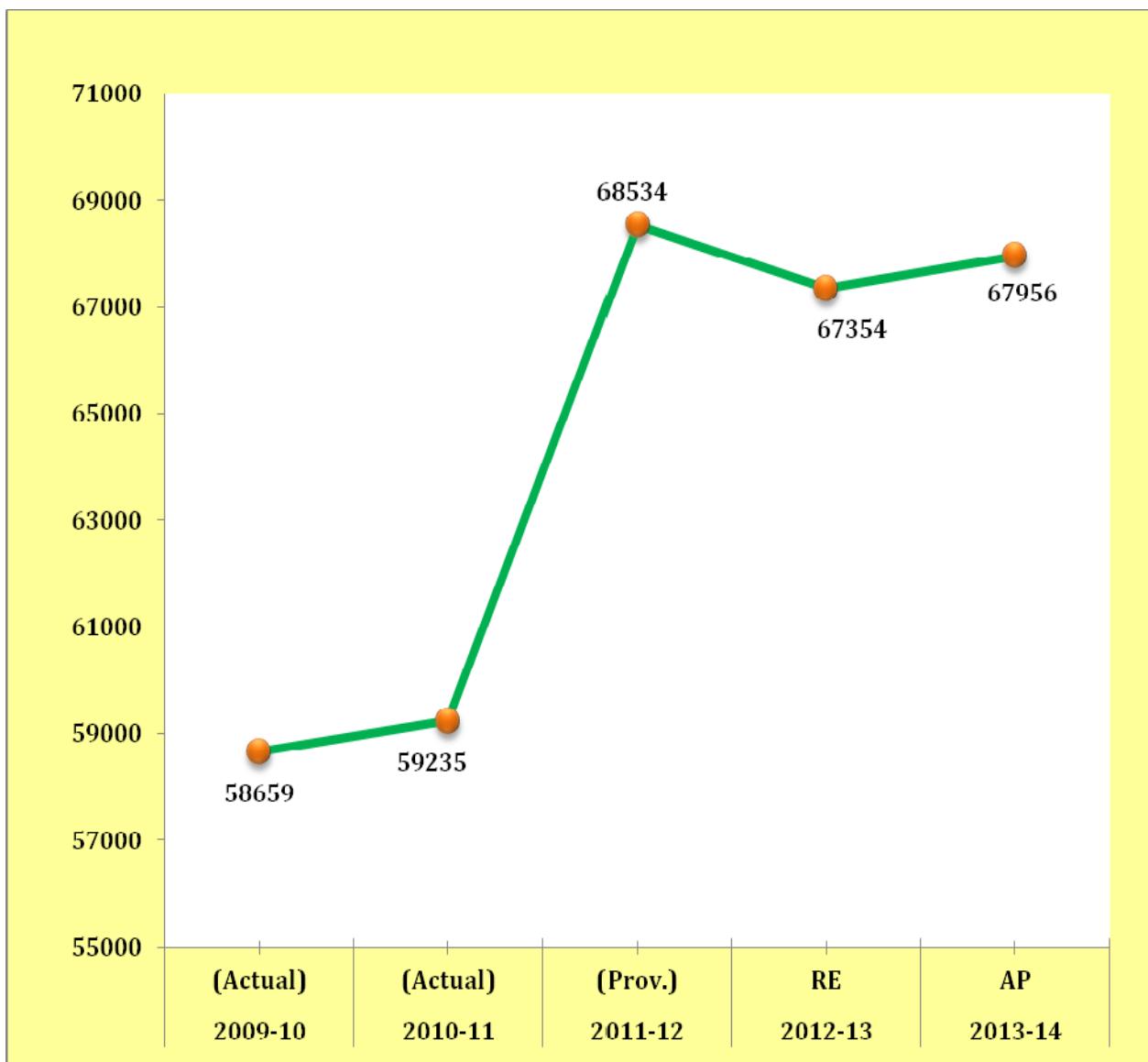
Figure 4.20
State-wise Net Internal Revenues (Rs. crore) for 2011-12



4.10 Revenue Arrears

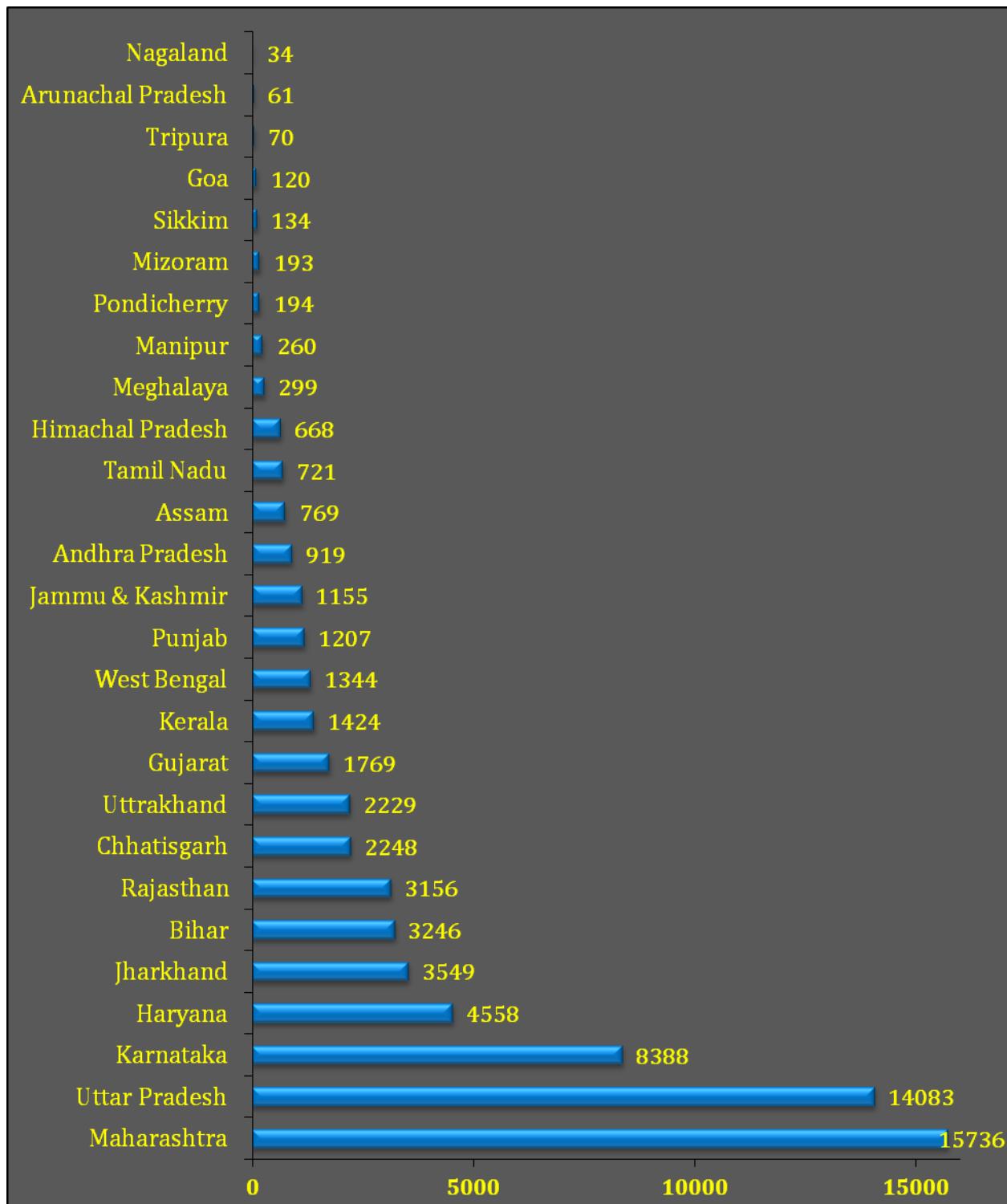
The revenue arrears outstanding of various State utilities have been increasing over the years. These arrears have increased from Rs.20,382 crore in 1998-99 to Rs.68,534 crore in 2011-12. The revenue arrears during last five years are given in Figure 4.21.

Figure 4.21
Revenue Arrears (Rs. crore) from 2009-10 to 2013-14



The inter-state variations in revenue arrears for 2011-12 are given in Figure 4.22.

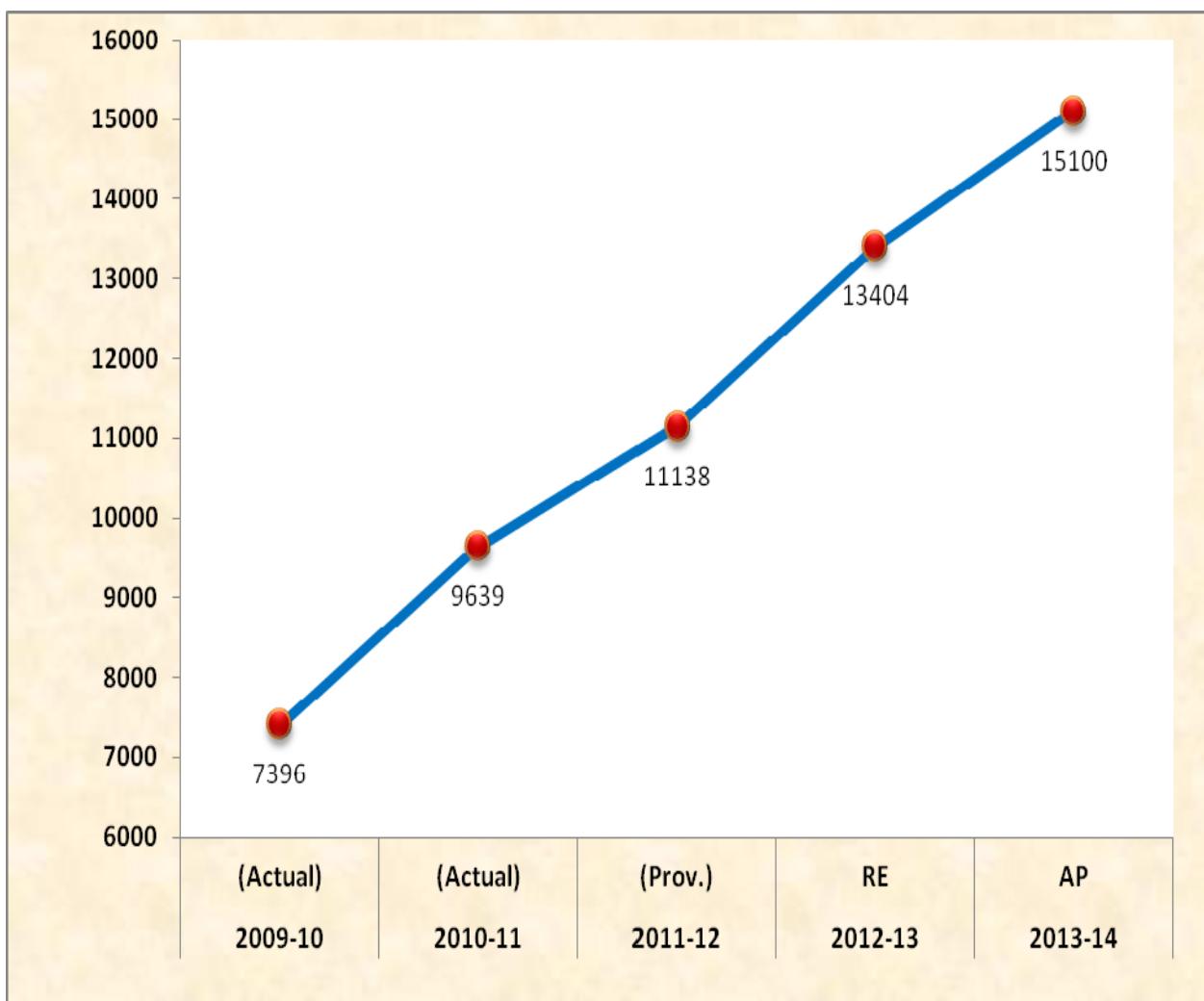
Figure 4.22
State-wise Revenue Arrears (Rs. crore) for 2011-12



4.11 State Electricity Duty

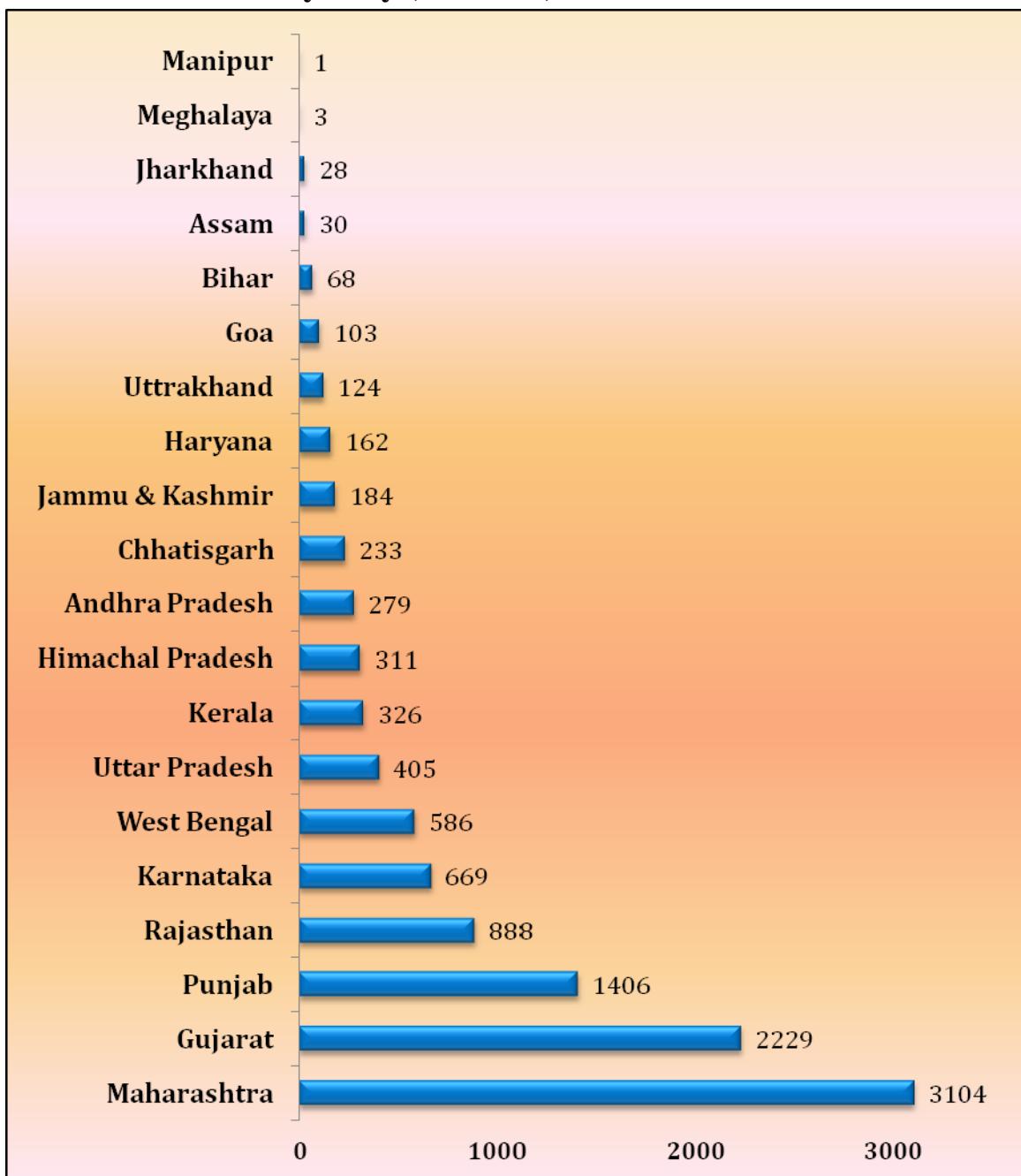
The State Electricity Duty (SED) constitutes an important source of revenue in some States. The SED is collected by the utilities and is generally passed on to the respective State Exchequers. The SED collection increased from Rs. 2,517 crore in 1998-99 to Rs.11, 138 crore in 2011-12. The SED during last five years is given in Figure 4.23.

Figure 4.23
State Electricity Duty (Rs. crore) from 2009-10 to 2013-14



The State-wise SED for a few major states for 2011-12 is given in Figure 4.24.

Figure 4.24
State Electricity Duty (Rs. crore) in different states for 2011-12



The average incidence of SED on the sale of electricity was around 18.8 paise/kWh in 2011-12, and is expected to be 20.3 paise/kWh in 2013-14 (AP).

UNIT COST OF POWER SUPPLY

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13	2013-14
					(R.E)	(AP)

I SPUs

(Paise/Kwh)

1	Andhra Pradesh	402.05	427.29	478.70	526.87	563.15
2	Assam	546.86	641.91	673.06	685.09	629.15
3	Bihar	713.07	861.10	1171.00	864.42	784.59
4	Chattisgarh	339.97	373.60	443.61	417.75	410.76
5	Delhi	513.99	554.42	658.64		
6	Gujarat	381.04	418.43	454.87	484.54	495.54
7	Haryana	578.75	557.51	798.91	679.58	646.06
8	Himachal Pradesh	451.03	485.17	523.22	543.63	526.01
9	Jammu & Kashmir	644.42	699.48	865.14	755.57	674.30
10	Jharkhand	500.10	513.62	626.56	748.22	942.44
11	Karnataka	408.78	456.60	472.69	500.46	504.79
12	Kerala	439.26	455.39	484.17	658.97	596.71
13	Madhya Pradesh	539.33	538.31	612.81	601.38	538.61
14	Maharashtra	468.73	498.87	525.21	549.80	584.19
15	Meghalaya	451.39	487.77	592.08	621.24	524.19
16	Orissa	337.91	421.94	532.59		
17	Punjab	422.05	473.31	479.85	544.72	578.47
18	Rajasthan	699.71	654.68	688.72	720.89	697.54
19	Tamil Nadu	504.34	590.64	611.69	714.01	645.72
20	Uttar Pradesh	500.55	559.20	668.44	672.04	706.23
21	Uttarakhand	409.51	401.32	453.18	494.99	510.20
22	West Bengal	443.49	460.37	618.09	590.78	612.91

Average of SPUs : **472.68** **507.73** **571.22** **593.99** **594.64**

II. EDs

1	Arunachal Pradesh	1222.30	871.36	1171.28	963.80	824.19
2	Goa	287.20	321.03	367.87	408.00	371.73
3	Manipur	782.40	798.97	976.55	915.61	855.31
4	Mizoram	913.24	725.76	826.59	845.84	740.58
5	Nagaland	630.23	727.16	920.43	1011.23	906.04
6	Pondicherry	262.80	322.40	358.39	403.38	406.16
7	Sikkim	243.44	306.17	332.14	342.41	318.95
8	Tripura	376.83	464.93	570.19	584.41	510.37

Average of EDs **364.20** **410.59** **476.15** **508.81** **486.44**

All India Average **471.09** **506.29** **569.84** **592.75** **593.13**

BULK UNIT COST OF POWER SUPPLY (including from own generation)

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I SPUs

(Paise/Kwh)

1	Andhra Pradesh	276.33	290.22	332.09	385.62	425.62
2	Assam	264.89	333.23	375.88	374.34	363.80
3	Bihar	263.93	304.89	373.80	341.89	388.14
4	Chattisgarh	180.88	207.90	259.41	256.82	285.91
5	Delhi	346.96	381.89	452.36		
6	Gujarat	274.94	305.63	338.18	360.19	371.71
7	Haryana	335.93	343.09	394.45	397.64	399.49
8	Himachal Pradesh	260.94	279.36	269.98	302.68	309.52
9	Jammu & Kashmir	192.12	217.00	271.10	319.56	384.01
10	Jharkhand	231.24	266.39	311.52	402.45	547.43
11	Karnataka	258.35	306.38	309.52	333.49	341.60
12	Kerala	215.58	221.55	238.08	383.46	320.86
13	Madhya Pradesh	202.91	215.80	275.56	290.86	288.23
14	Maharashtra	278.94	320.45	355.96	377.22	387.99
15	Meghalaya	150.21	185.47	260.41	206.22	206.13
16	Orissa	143.21	199.72	254.05		
17	Punjab	205.46	236.74	230.66	276.28	303.41
18	Rajasthan	366.27	325.24	335.90	375.80	380.08
19	Tamil Nadu	303.55	341.12	377.01	429.09	387.81
20	Uttar Pradesh	281.49	309.27	369.92	389.62	409.18
21	Uttarakhand	249.21	249.24	297.22	331.30	340.60
22	West Bengal	260.49	271.60	377.67	382.88	382.32

Average of SPUs : 270.46 295.69 335.18 363.30 373.20

II. EDs

1	Arunachal Pradesh	203.18	185.43	325.26	316.22	288.03
2	Goa	188.90	219.53	263.72	286.28	247.27
3	Manipur	202.73	229.53	377.55	342.43	343.33
4	Mizoram	226.47	253.04	325.46	347.29	288.50
5	Nagaland	238.47	254.64	358.40	383.00	370.16
6	Pondicherry	199.86	252.56	290.78	329.00	329.89
7	Sikkim	158.53	188.54	228.99	243.71	228.00
8	Tripura	156.60	241.90	311.44	314.70	294.12

Average of EDs 190.92 229.63 290.71 310.72 292.06

All India Average 269.34 294.74 334.55 362.56 372.07

COST STRUCTURE OF SPUs, 2009-10 (Actual)

S.No.	State/EDs	Fuel Purchase	Power Purchase	O & M exp.	Estt/ Admn.	Misc. exp.	Depre- ciation	Interest	Total
I. SPUs									
1	Andhra Pradesh	0.00	337.44	4.52	25.41	-2.37	15.05	22.00	402.05
2	Assam	0.00	386.96	9.13	110.71	2.06	17.85	20.15	546.86
3	Bihar	10.99	416.91	9.60	101.04	21.24	9.84	143.45	713.07
4	Chattisgarh	0.00	266.09	6.82	54.77	0.00	5.53	6.76	339.97
5	Delhi	0.00	412.80	8.47	39.33	13.68	15.08	24.62	513.99
6	Gujarat	0.00	331.60	3.88	31.47	0.00	10.27	3.82	381.04
7	Haryana	0.00	456.60	3.64	75.52	3.62	6.43	32.94	578.75
8	Himachal Pradesh	0.00	305.93	4.29	109.60	-8.48	14.87	24.82	451.03
9	Jammu & Kashmir	3.78	516.03	10.66	88.45	0.00	21.58	3.91	644.42
10	Jharkhand	24.81	332.44	11.77	43.02	-18.08	8.60	97.53	500.10
11	Karnataka	0.00	328.61	3.20	38.59	5.71	10.33	22.34	408.78
12	Kerala	25.94	240.93	12.33	115.21	-6.03	32.12	18.76	439.26
13	Madhya Pradesh	0.00	319.98	5.49	98.14	18.09	37.63	60.00	539.33
14	Maharashtra	0.00	372.87	9.32	33.48	33.63	12.70	6.72	468.73
15	Meghalaya	0.00	227.44	26.46	124.31	0.00	26.50	46.69	451.39
16	Orissa	0.00	228.66	6.62	57.41	25.35	7.52	12.35	337.91
17	Punjab	111.70	144.30	11.79	78.89	0.37	24.65	50.35	422.05
18	Rajasthan	0.00	518.55	5.55	82.22	-5.26	15.33	83.33	699.71
19	Tamil Nadu	74.92	295.15	6.00	56.68	8.81	14.53	48.25	504.34
20	Uttar Pradesh	0.00	408.37	13.01	20.53	11.46	11.53	35.66	500.55
21	Uttarakhand	0.00	330.20	7.87	27.02	17.21	14.95	12.26	409.51
22	West Bengal	0.04	341.87	6.25	45.81	12.37	14.09	23.06	443.49
Average of SPUs		16.24	343.15	7.14	51.43	8.29	14.86	31.57	472.68

II. EDs

1	Arunachal Pradesh	16.14	401.10	138.82	595.15	0.00	0.00	71.09	1222.30
2	Goa	0.00	222.66	12.74	42.27	0.00	6.42	3.11	287.20
3	Manipur	3.79	369.92	24.85	163.39	0.00	220.46	0.00	782.40
4	Mizoram	16.26	343.14	68.18	263.07	0.00	0.00	222.58	913.24
5	Nagaland	0.25	375.06	49.85	104.53	2.61	42.39	55.54	630.23
6	Pondicherry	0.00	231.09	2.92	19.68	0.00	9.10	0.00	262.80
7	Sikkim	0.66	200.27	18.15	24.36	0.00	0.00	0.00	243.44
8	Tripura	86.54	121.42	20.30	100.37	0.00	48.20	0.00	376.83

Average of EDs **10.04** **233.37** **18.53** **70.12** **0.11** **19.92** **12.10** **364.20**

All India Average **16.15** **341.54** **7.31** **51.71** **8.17** **14.93** **31.28** **471.09**

COST STRUCTURE OF SPUs, 2010-11 (Actual)

S.No.	State/EDs	Fuel Purchase	Power Purchase	O & M exp.	Estt/ Admn.	Misc. exp.	Depre- ciation	Interest	Total
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I. SPUs

(Paise/Kwh of sale)

1	Andhra Pradesh	0.00	346.81	4.00	39.70	-1.49	15.87	22.42	427.29
2	Assam	0.00	472.27	8.03	104.94	21.64	16.23	18.80	641.91
3	Bihar	10.80	529.68	10.18	103.30	28.17	14.73	164.24	861.10
4	Chattisgarh	0.00	300.98	6.49	52.41	0.00	8.43	5.29	373.60
5	Delhi	0.00	456.70	9.83	27.52	11.83	14.23	34.32	554.42
6	Gujarat	0.00	373.62	3.32	28.00	0.00	10.75	2.73	418.43
7	Haryana	0.00	453.10	2.85	43.51	8.10	6.32	43.62	557.51
8	Himachal Pradesh	0.00	314.15	5.21	113.79	14.57	16.00	21.44	485.17
9	Jammu & Kashmir	4.95	566.62	12.21	90.47	0.00	21.74	3.49	699.48
10	Jharkhand	13.23	383.59	6.48	44.42	-16.03	7.52	74.42	513.62
11	Karnataka	0.00	391.02	3.06	44.23	-16.41	10.81	23.88	456.60
12	Kerala	16.17	253.55	15.80	128.58	-10.10	32.25	19.14	455.39
13	Madhya Pradesh	0.00	330.18	6.29	118.52	6.03	33.59	43.69	538.31
14	Maharashtra	0.00	406.14	7.21	31.97	31.79	14.98	6.77	498.87
15	Meghalaya	0.00	274.70	25.97	128.54	0.00	24.45	34.12	487.77
16	Orissa	0.00	323.92	5.95	50.23	21.38	7.02	13.44	421.94
17	Punjab	102.46	186.80	13.15	95.47	2.40	22.30	50.73	473.31
18	Rajasthan	0.00	443.86	5.33	69.23	6.43	17.54	112.29	654.68
19	Tamil Nadu	83.73	347.04	4.84	66.17	14.61	13.25	61.01	590.64
20	Uttar Pradesh	0.00	448.51	18.58	27.53	16.89	9.02	38.67	559.20
21	Uttarakhand	0.00	317.95	7.66	29.76	19.37	14.86	11.72	401.32
22	West Bengal	0.05	362.12	7.14	39.60	17.66	13.64	20.15	460.37

Average of SPUs	15.34	373.33	7.26	53.43	8.87	14.83	34.68	507.73
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II. EDs

1	Arunachal Pradesh	10.41	353.14	112.54	342.14	0.00	0.00	53.14	871.36
2	Goa	0.00	259.62	5.41	46.19	0.00	6.44	3.37	321.03
3	Manipur	2.92	381.93	21.10	189.31	0.00	203.70	0.00	798.97
4	Mizoram	5.24	342.55	128.97	207.08	0.00	0.00	41.93	725.76
5	Nagaland	0.21	397.01	46.00	189.73	1.14	41.02	52.04	727.16
6	Pondicherry	0.00	288.26	2.54	22.43	0.00	9.18	0.00	322.40
7	Sikkim	0.70	255.30	18.68	31.48	0.00	0.00	0.00	306.17
8	Tripura	167.50	142.80	17.02	94.06	0.00	43.54	0.00	464.93

Average of EDs	19.66	272.22	18.00	73.04	0.05	20.63	6.98	410.59
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All India Average	15.40	371.82	7.42	53.72	8.74	14.92	34.27	506.29
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COST STRUCTURE OF SPUs, 2011-12 (Actual)

S.No.	State/EDs	Fuel Purchase	Power Purchase	O & M exp.	Estt/ Admn.	Misc. exp.	Depre- ciation	Interest	Total
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I. SPUs

(Paise/Kwh of sale)

1	Andhra Pradesh	0.00	395.26	4.57	36.23	-3.05	16.30	29.39	478.70
2	Assam	0.00	544.85	8.84	119.93	-33.48	14.02	18.90	673.06
3	Bihar	11.85	656.23	12.47	144.65	152.01	21.43	172.36	1171.00
4	Chattisgarh	0.00	370.67	6.53	51.23	0.00	8.62	6.56	443.61
5	Delhi	5.13	536.43	11.61	29.07	12.33	15.43	48.59	658.60
6	Gujarat	0.00	413.75	3.20	27.25	0.00	11.04	-0.36	454.87
7	Haryana	0.00	511.49	2.79	47.49	173.32	7.65	56.18	798.91
8	Himachal Pradesh	0.00	311.84	6.54	125.88	27.13	22.69	29.14	523.22
9	Jammu & Kashmir	3.63	699.44	12.37	119.81	0.00	26.20	3.69	865.14
10	Jharkhand	9.68	469.63	7.55	54.01	-10.58	17.32	78.94	626.56
11	Karnataka	0.00	387.10	3.02	44.19	3.73	11.43	23.21	472.69
12	Kerala	17.62	273.79	15.75	131.79	-5.25	29.16	21.31	484.17
13	Madhya Pradesh	0.00	415.87	5.20	110.12	1.27	34.13	46.23	612.81
14	Maharashtra	0.00	438.28	6.90	34.23	25.69	9.54	10.58	525.21
15	Meghalaya	0.00	371.03	26.28	132.03	0.00	22.95	39.80	592.08
16	Orissa	0.00	413.48	5.44	67.64	22.60	7.74	15.70	532.59
17	Punjab	106.14	172.14	11.77	106.03	1.41	20.14	62.22	479.85
18	Rajasthan	0.00	444.12	6.13	71.96	3.31	18.23	144.96	688.72
19	Tamil Nadu	102.66	350.80	4.95	65.50	17.93	10.03	59.82	611.69
20	Uttar Pradesh	0.00	540.47	18.70	30.64	8.68	11.05	58.90	668.44
21	Uttarakhand	0.00	371.33	8.53	25.53	19.06	15.51	13.22	453.18
22	West Bengal	0.03	505.37	9.54	40.91	16.16	15.38	30.70	618.09

Average of SPUs	17.01	417.93	7.43	55.22	17.47	14.45	41.70	571.22
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II. EDs

1	Arunachal Pradesh	11.35	679.40	83.44	361.82	0.00	0.00	35.25	1171.28
2	Goa	0.00	311.91	4.34	47.76	0.00	0.89	2.97	367.87
3	Manipur	2.83	548.46	18.36	196.88	0.00	210.02	0.00	976.55
4	Mizoram	0.06	476.91	142.37	203.88	0.00	0.00	3.37	826.59
5	Nagaland	0.23	597.14	51.16	172.34	1.22	47.63	50.71	920.43
6	Pondicherry	0.00	327.99	2.97	18.85	0.00	8.58	0.00	358.39
7	Sikkim	1.05	279.45	18.54	33.11	0.00	0.00	0.00	332.14
8	Tripura	191.11	213.08	18.98	100.06	0.00	46.96	0.00	570.19

Average of EDs	20.65	344.10	16.56	70.90	0.05	19.58	4.30	476.15
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All India Average	17.07	416.86	7.56	55.45	17.22	14.53	41.16	569.84
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COST STRUCTURE OF SPUs, 2012-13 (R.E)

S.No.	State/EDs	Fuel Purchase	Power Purchase	O & M exp.	Estt/ Admn.	Misc. exp.	Depre- ciation	Interest	Total
I. SPUs									(Paise/Kwh of sale)
1	Andhra Pradesh	0.00	459.05	4.06	30.69	2.19	17.86	13.03	526.87
2	Assam	0.00	525.65	8.62	116.86	1.90	13.66	18.41	685.09
3	Bihar	0.00	589.47	16.19	126.44	54.66	36.16	41.50	864.42
4	Chattisgarh	0.00	348.33	6.51	47.87	0.00	8.01	7.03	417.75
5	Gujarat	0.00	441.43	3.32	27.30	0.00	12.11	0.38	484.54
6	Haryana	0.00	521.29	4.82	47.16	10.70	9.12	86.49	679.58
7	Himachal Pradesh	0.00	345.50	5.13	144.05	0.00	16.33	32.62	543.63
8	Jammu & Kashmir	3.28	632.32	9.39	88.36	0.00	19.59	2.64	755.57
9	Jharkhand	14.76	582.16	7.76	57.45	-11.31	15.60	81.79	748.22
10	Karnataka	0.00	412.17	2.94	44.66	5.06	10.06	25.58	500.46
11	Kerala	31.82	428.90	16.11	138.35	-10.06	24.38	29.46	658.97
12	Madhya Pradesh	0.00	421.53	5.01	103.71	4.42	32.90	33.82	601.38
13	Maharashtra	0.00	457.56	6.82	35.33	25.08	10.89	14.12	549.80
14	Meghalaya	0.00	287.53	26.90	156.08	0.00	50.96	99.76	621.24
15	Punjab	114.17	218.07	12.28	109.98	4.76	20.05	65.40	544.72
16	Rajasthan	0.00	488.07	5.81	57.13	4.09	18.06	147.72	720.89
17	Tamil Nadu	116.38	419.99	6.00	75.13	0.00	15.24	81.27	714.01
18	Uttar Pradesh	0.00	547.41	18.34	34.18	10.87	11.87	49.37	672.04
19	Uttarakhand	0.00	409.01	9.86	28.84	13.37	19.46	14.44	494.99
20	West Bengal	0.03	485.16	9.28	34.90	17.06	12.69	31.67	590.78

Average of SPUs 18.48 446.84 7.52 55.79 7.75 15.45 42.16 593.99

II. EDs

1	Arunachal Pradesh	11.53	540.69	71.61	310.79	0.00	0.00	29.17	963.80
2	Goa	0.00	340.47	7.05	57.09	0.00	0.72	2.66	408.00
3	Manipur	11.94	473.24	19.57	200.37	0.00	210.49	0.00	915.61
4	Mizoram	0.07	499.66	144.93	198.60	0.00	0.00	2.58	845.84
5	Nagaland	0.23	648.15	53.55	187.05	1.22	43.97	77.07	1011.23
6	Pondicherry	0.00	370.96	2.64	20.60	0.00	9.18	0.00	403.38
7	Sikkim	1.15	289.65	17.94	33.68	0.00	0.00	0.00	342.41
8	Tripura	176.23	229.08	28.58	104.79	0.00	45.73	0.00	584.41

Average of EDs 21.08 365.60 19.36 77.06 0.05 20.61 5.06 508.81

All India Average 18.52 445.66 7.69 56.10 7.63 15.53 41.62 592.75

COST STRUCTURE OF SPUs, 2013-14

S.No.	State/EDs	Fuel Purchase	Power Purchase	O & M exp.	Estt/ Admn.	Misc. exp.	Depre- ciation	Interest	Total
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I. SPUs

(Paise/Kwh of sale)

1	Andhra Pradesh	0.00	502.84	3.54	26.79	2.65	15.86	11.47	563.15
2	Assam	0.00	492.51	8.37	99.38	1.62	11.62	15.66	629.15
3	Bihar	56.98	569.05	13.55	62.80	9.94	29.81	42.45	784.59
4	Chattisgarh	0.00	356.45	5.34	35.97	0.00	6.56	6.43	410.76
5	Gujarat	0.00	452.88	3.30	27.05	0.00	12.06	0.25	495.54
6	Haryana	0.00	501.56	4.61	40.54	10.10	8.53	80.72	646.06
7	Himachal Pradesh	0.00	352.03	5.74	131.85	0.00	18.59	17.80	526.01
8	Jammu & Kashmir	0.08	542.28	9.16	100.87	0.00	19.20	2.70	674.30
9	Jharkhand	27.89	765.07	8.06	59.40	-11.74	13.64	80.11	942.44
10	Karnataka	0.00	418.28	2.96	44.98	5.53	10.43	22.61	504.79
11	Kerala	22.25	362.12	16.53	151.70	-11.47	23.65	31.93	596.71
12	Madhya Pradesh	0.00	388.94	3.71	76.85	3.21	26.70	39.20	538.61
13	Maharashtra	0.00	477.79	6.94	44.49	29.87	11.91	13.19	584.19
14	Meghalaya	0.00	270.97	19.67	114.64	0.00	50.55	68.35	524.19
15	Punjab	122.92	239.82	12.63	112.50	2.37	20.41	67.83	578.47
16	Rajasthan	0.00	484.92	5.49	38.03	3.90	17.41	147.80	697.54
17	Tamil Nadu	120.27	362.09	5.31	63.39	0.00	13.33	81.35	645.72
18	Uttar Pradesh	0.00	560.24	17.58	32.79	12.55	12.17	70.89	706.23
19	Uttarakhand	0.00	416.64	10.59	29.82	14.94	21.24	16.97	510.20
20	West Bengal	0.04	490.23	10.61	38.45	20.02	14.10	39.47	612.91

Average of SPUs	20.30	449.15	7.11	51.56	7.56	14.90	44.05	594.64
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II. EDs

1	Arunachal Pradesh	9.02	486.40	60.75	241.44	0.00	0.00	26.58	824.19
2	Goa	0.00	295.82	8.53	63.39	0.00	1.73	2.25	371.73
3	Manipur	9.95	466.77	15.97	171.32	0.00	191.29	0.00	855.31
4	Mizoram	0.06	407.38	143.24	187.84	0.00	0.00	2.05	740.58
5	Nagaland	0.19	590.81	67.95	159.85	1.01	36.18	50.07	906.04
6	Pondicherry	0.00	371.89	2.91	21.82	0.00	9.53	0.00	406.16
7	Sikkim	1.20	266.81	16.87	34.08	0.00	0.00	0.00	318.95
8	Tripura	121.21	255.19	22.33	79.75	0.00	31.90	0.00	510.37

Average of EDs	19.48	345.66	20.63	75.68	0.04	20.81	4.14	486.44
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All India Average	20.29	447.71	7.30	51.90	7.46	14.98	43.50	593.13
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FUEL CONSUMPTION BY COAL BASED THERMAL UNITS

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13	2013-14
					(R.E)	(AP)

SPUs

Coal (Kg/Kwh of generation)

1	Andhra Pradesh	0.74	0.72	0.71	0.74	0.74
2	Assam	0.00	0.00	0.00	0.00	0.00
3	Bihar	0.00	0.00	0.00	0.00	0.00
4	Chhatisgarh	0.79	0.76	0.77	0.78	0.76
5	Gujarat	0.79	0.83	0.80	0.86	0.81
6	Haryana	0.71	0.78	0.77	0.73	0.70
7	Himachal Pradesh	0.00	0.00	0.00	0.00	0.00
8	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
9	Jharkhand	0.00	0.00	0.00	0.00	0.00
10	Karnataka	0.66	0.70	0.73	0.71	0.73
11	Kerala	0.00	0.00	0.00	0.00	0.00
12	Madhya Pradesh	0.83	0.83	0.81	0.81	0.81
13	Maharashtra	0.82	0.85	0.83	0.95	0.90
14	Meghalaya	0.00	0.00	0.00	0.00	0.00
15	Punjab	0.61	0.65	0.64	0.63	0.64
16	Rajasthan	0.67	0.69	0.67	0.68	0.67
17	Tamil Nadu	0.67	0.73	0.66	0.69	0.60
18	Uttar Pradesh	0.81	0.80	0.79	0.78	0.77
19	Uttrakhand	0.00	0.00	0.00	0.00	0.00
20	West Bengal	0.73	0.79	0.83	0.81	0.81

Sub-Total-I(SPUs)	0.74	0.76	0.75	0.78	0.75
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SECONDARY OIL CONSUMPTION IN COAL BASED THERMAL UNITS

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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SPUs

Oil(ml/Kwh of generation)

1	Andhra Pradesh	1.16	1.28	1.49	1.58	1.61
2	Assam	0.00	0.00	0.00	0.00	0.00
3	Bihar	23.83	31.36	27.87	0.00	10.00
4	Chhatisgarh	1.06	0.68	0.79	1.22	1.13
5	Gujarat	1.77	2.11	1.89	1.61	1.43
6	Haryana	1.61	2.97	2.47	1.14	2.00
7	Himachal Pradesh	0.00	0.00	0.00	0.00	0.00
8	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
9	Jharkhand	0.01	0.01	0.01	0.01	0.01
10	Karnataka	1.49	3.67	2.30	3.31	1.74
11	Kerala	0.00	1.00	2.00	3.00	4.00
12	Madhya Pradesh	2.70	4.34	2.00	2.00	2.00
13	Maharashtra	3.54	6.15	4.12	0.28	3.89
14	Meghalaya	0.00	1.00	2.00	3.00	4.00
15	Punjab	0.75	0.78	0.55	0.76	1.08
16	Rajasthan	1.13	1.62	0.97	1.01	1.06
17	Tamil Nadu	0.00	0.00	0.00	0.00	0.00
18	Uttar Pradesh	3.10	3.26	1.58	2.24	1.66
19	Uttrakhand	0.00	0.00	0.00	0.00	0.00
20	West Bengal	3.60	2.77	2.72	2.35	2.06

Average of SPUs	3.61	3.56	2.43	2.00	2.37
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COST OF COAL PER UNIT OF GENERATION

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13	2013-14
	(R.E)	(AP)			

SPUs	(Paise/Kwh)				
1	Andhra Pradesh	131.60	148.34	182.62	208.61
2	Assam	0.00	0.00	0.00	0.00
3	Bihar	190.09	195.34	337.52	0.00
4	Chhatisgarh	65.22	67.81	73.75	75.75
5	Gujarat	206.71	228.10	224.41	254.31
6	Haryana	223.06	231.82	279.79	295.59
7	Himachal Pradesh	0.00	0.00	0.00	0.00
8	Jammu & Kashmir	0.00	0.00	0.00	0.00
9	Jharkhand	95.16	102.95	108.91	123.48
10	Karnataka	188.66	208.17	235.68	252.23
11	Kerala	0.00	0.00	0.00	0.00
12	Madhya Pradesh	134.78	133.47	142.70	142.70
13	Maharashtra	170.50	176.97	202.96	245.88
14	Meghalaya	0.00	0.00	0.00	0.00
15	Punjab	164.91	184.43	193.02	226.06
16	Rajasthan	184.32	185.16	237.75	277.67
17	Tamil Nadu	174.18	209.37	252.94	280.69
18	Uttar Pradesh	140.56	138.53	147.82	172.12
19	Uttrakhand	0.00	0.00	0.00	0.00
20	West Bengal	161.80	175.81	195.71	212.81

Average of SPUs 162.86 174.10 200.29 224.52 225.35

COST OF OIL PER UNIT OF GENERATION

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
SPUs		(Paise/Kwh)				
1	Andhra Pradesh	3.97	4.77	5.97	7.32	8.03
2	Assam	0.00	0.00	0.00	0.00	0.00
3	Bihar	61.73	105.56	137.57	0.00	50.04
4	Chhattisgarh	3.56	3.96	3.49	5.40	4.99
5	Gujarat	4.92	6.79	5.83	7.15	6.63
6	Haryana	4.42	10.91	9.17	4.82	8.30
7	Himachal Pradesh	0.00	0.00	0.00	0.00	0.00
8	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
9	Jharkhand	27.98	26.85	31.95	55.62	58.37
10	Karnataka	5.30	11.25	10.59	16.80	8.69
11	Kerala	6.15	7.53	9.69	11.12	11.16
12	Madhya Pradesh	9.74	15.62	7.93	7.93	7.93
13	Maharashtra	9.53	17.33	15.96	12.18	9.83
14	Meghalaya	0.00	0.00	0.00	0.00	0.00
15	Punjab	1.93	2.55	2.05	3.47	5.27
16	Rajasthan	3.93	5.33	3.55	4.58	4.54
17	Tamil Nadu	0.00	0.00	0.00	0.00	0.00
18	Uttar Pradesh	9.92	11.85	11.32	12.50	9.69
19	Uttrakhand	0.00	0.00	0.00	0.00	0.00
20	West Bengal	13.83	10.69	11.82	11.07	9.73

Average of SPUs	7.92	9.96	8.96	10.20	8.63
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TOTAL COST OF PURCHASE OF POWER

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
SPUs		(Rs. Crore)				
1	Andhra Pradesh	20234.4	22453.2	28024.3	31977.1	44066.5
2	Assam	1321.7	1871.5	2242.2	2331.1	2696.9
3	Bihar	2529.5	3251.8	4393.4	4658.7	5726.1
4	Chattisgarh	3543.6	3978.6	5182.9	5733.8	8589.5
5	Delhi	8869.0	11718.0	14319.0		
6	Gujarat	15206.0	18710.6	22707.0	25368.9	28500.0
7	Haryana	10756.5	11577.2	14820.1	16581.2	20166.3
8	Himachal Pradesh	2171.6	2622.0	2655.9	3046.7	3221.7
9	Jammu & Kashmir	1978.0	2289.8	2984.5	3854.5	3509.0
10	Jharkhand	1924.4	2601.7	3051.8	4317.9	6669.8
11	Karnataka	11110.4	14551.9	16432.8	19239.4	21409.4
12	Kerala	3384.5	3721.6	4375.3	7369.0	6673.4
13	Madhya Pradesh	7216.0	8373.0	11830.1	14307.6	18706.0
14	Maharashtra	23842.0	28949.4	35120.2	40977.5	46088.4
15	Meghalaya	222.6	303.6	438.4	368.0	512.1
16	Orissa	2796.0	4243.0	5398.0		
17	Punjab	4718.1	6254.4	6032.7	8247.7	9571.4
18	Rajasthan	16252.3	15336.6	16833.9	20683.0	23014.0
19	Tamil Nadu	17052.5	20427.0	21478.3	24000.5	26269.3
20	Uttar Pradesh	17181.8	20288.1	27344.3	31178.1	35677.7
21	Uttarakhand	2063.5	2305.3	3064.5	3666.7	4070.2
22	West Bengal	6727.1	7821.8	11220.0	13662.1	13681.2
Total of SPUs		181101.4	213650.0	259949.5	281569.6	328818.5

II. EDs

1	Arunachal Pradesh	95.4	113.0	210.6	203.9	256.2
2	Goa	651.7	795.0	990.5	1022.8	869.1
3	Manipur	107.6	145.8	235.1	223.9	284.1
4	Mizoram	78.8	108.9	150.8	178.4	169.2
5	Nagaland	122.1	149.8	211.0	228.2	252.8
6	Pondicherry	536.0	712.5	930.8	1069.9	1118.3
7	Sikkim	145.9	186.0	213.5	232.7	233.6
8	Tripura	97.9	139.0	204.3	240.5	400.0

Total of EDs **1835.4** **2350.0** **3146.7** **3400.2** **3583.3**

All India Total **182936.8** **215999.9** **263096.2** **284969.8** **332401.9**

RATE OF PURCHASE OF POWER (including from its own units)

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
SPUs		(Paise/Kwh)				
1	Andhra Pradesh	276.3	290.2	332.1	385.6	425.6
2	Assam	264.9	333.2	375.9	374.3	363.8
3	Bihar	263.2	303.8	371.5	341.0	378.8
4	Chattisgarh	180.9	207.9	259.4	256.8	285.9
5	Delhi	347.0	381.9	452.4		
6	Gujarat	274.9	305.6	338.2	360.2	371.7
7	Haryana	335.9	343.1	394.4	397.6	479.3
8	Himachal Pradesh	328.2	352.4	335.0	302.7	309.5
9	Jammu & Kashmir	239.2	274.0	349.9	432.1	377.6
10	Jharkhand	244.9	273.2	326.3	418.1	583.2
11	Karnataka	258.4	306.4	309.5	333.5	341.6
12	Kerala	331.8	354.0	388.2	489.6	436.7
13	Madhya Pradesh	358.3	354.0	453.3	461.2	463.2
14	Maharashtra	278.9	320.4	356.0	377.2	388.0
15	Meghalaya	235.0	268.9	376.0	346.5	328.7
16	Orissa	143.2	199.7	254.0		
17	Punjab	318.0	424.3	404.6	417.0	450.2
18	Rajasthan	366.3	325.2	335.9	375.8	380.1
19	Tamil Nadu	378.7	399.3	448.7	503.4	473.6
20	Uttar Pradesh	281.5	309.3	369.9	389.6	409.2
21	Uttarakhand	249.2	249.2	297.2	331.3	340.6
22	West Bengal	258.5	271.6	376.3	384.4	383.7
Average of SPUs		291.2	316.6	359.6	386.2	402.6

II. EDs

1	Arunachal Pradesh	307.5	281.8	435.4	421.4	401.7
2	Goa	188.9	219.5	263.7	286.3	247.3
3	Manipur	201.4	228.5	376.6	336.8	338.4
4	Mizoram	227.0	269.9	341.9	381.2	317.4
5	Nagaland	278.1	288.9	416.7	444.4	423.9
6	Pondicherry	199.9	252.6	290.8	329.0	329.9
7	Sikkim	164.9	196.3	233.4	243.5	228.3
8	Tripura	232.1	287.2	468.9	437.2	363.6

Average of EDs **202.4** **238.9** **303.6** **325.1** **308.0**

All India Average **289.9** **315.5** **358.8** **385.3** **401.3**

SHARE OF O&M IN TOTAL COST

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
SPUs		(%)				
1	Andhra Pradesh	1.12	0.94	0.95	0.77	0.63
2	Assam	1.67	1.25	1.31	1.26	1.33
3	Bihar	1.35	1.18	1.06	1.87	1.73
4	Chattisgarh	2.01	1.74	1.47	1.56	1.30
5	Delhi	1.65	1.77	1.76		
6	Gujarat	1.02	0.79	0.70	0.69	0.67
7	Haryana	0.63	0.51	0.35	0.71	0.71
8	Himachal Pradesh	0.95	1.07	1.25	0.94	1.09
9	Jammu & Kashmir	1.65	1.75	1.43	1.24	1.36
10	Jharkhand	2.35	1.26	1.21	1.04	0.86
11	Karnataka	0.78	0.67	0.64	0.59	0.59
12	Kerala	2.81	3.47	3.25	2.45	2.77
13	Madhya Pradesh	1.02	1.17	0.85	0.83	0.69
14	Maharashtra	1.99	1.45	1.31	1.24	1.19
15	Meghalaya	5.86	5.32	4.44	4.33	3.75
16	Orissa	1.96	1.42	1.02		
17	Punjab	2.79	2.78	2.45	2.25	2.18
18	Rajasthan	0.79	0.81	0.89	0.81	0.79
19	Tamil Nadu	1.19	0.82	0.81	0.84	0.82
20	Uttar Pradesh	2.60	3.32	2.80	2.73	2.49
21	Uttarakhand	1.92	1.91	1.88	1.99	2.08
22	West Bengal	1.41	1.55	1.54	1.57	1.73
Average of SPUs		1.5	1.4	1.3	1.3	1.2

II. EDs

1	Arunachal Pradesh	11.36	12.91	7.12	7.43	7.37
2	Goa	4.44	1.68	1.18	1.73	2.30
3	Manipur	3.18	2.64	1.88	2.14	1.87
4	Mizoram	7.47	17.77	17.22	17.13	19.34
5	Nagaland	7.91	6.33	5.56	5.30	7.50
6	Pondicherry	1.11	0.79	0.83	0.65	0.72
7	Sikkim	7.45	6.10	5.58	5.24	5.29
8	Tripura	5.39	3.66	3.33	4.89	4.38

Average of EDs	5.1	4.4	3.5	3.8	4.2
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All India Average	1.6	1.5	1.3	1.3	1.2
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SHARE OF ESTT/ADMN IN TOTAL COST

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13	2013-14
		(R.E)	(AP)			

	<i>SPUs</i>	(%)				
1	Andhra Pradesh	6.32	9.29	7.57	5.83	4.76
2	Assam	20.24	16.35	17.82	17.06	15.80
3	Bihar	14.17	12.00	12.35	14.63	8.00
4	Chattisgarh	16.11	14.03	11.55	11.46	8.76
5	Delhi	7.65	4.96	4.41		
6	Gujarat	8.26	6.69	5.99	5.63	5.46
7	Haryana	13.05	7.81	5.94	6.94	6.28
8	Himachal Pradesh	24.30	23.45	24.06	26.50	25.07
9	Jammu & Kashmir	13.73	12.93	13.85	11.69	14.96
10	Jharkhand	8.60	8.65	8.62	7.68	6.30
11	Karnataka	9.44	9.69	9.35	8.92	8.91
12	Kerala	26.23	28.24	27.22	21.00	25.42
13	Madhya Pradesh	18.20	22.02	17.97	17.24	14.27
14	Maharashtra	7.14	6.41	6.52	6.43	7.62
15	Meghalaya	27.54	26.35	22.30	25.12	21.87
16	Orissa	16.99	12.81	12.70		
17	Punjab	18.69	20.17	22.10	20.19	19.45
18	Rajasthan	11.75	10.57	10.45	7.93	5.45
19	Tamil Nadu	11.24	11.20	10.71	10.52	9.82
20	Uttar Pradesh	4.10	4.92	4.58	5.09	4.64
21	Uttarakhand	6.60	7.42	5.63	5.83	5.84
22	West Bengal	10.33	8.60	6.62	5.91	6.27

Average of SPUs	10.9	10.5	9.7	9.4	8.7
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II. EDs

1	Arunachal Pradesh	48.69	39.26	30.89	32.25	29.29
2	Goa	14.72	14.39	12.98	13.99	17.05
3	Manipur	20.88	23.69	20.16	21.88	20.03
4	Mizoram	28.81	28.53	24.66	23.48	25.36
5	Nagaland	16.59	26.09	18.72	18.50	17.64
6	Pondicherry	7.49	6.96	5.26	5.11	5.37
7	Sikkim	10.01	10.28	9.97	9.84	10.68
8	Tripura	26.64	20.23	17.55	17.93	15.63

Average of EDs	19.3	17.8	14.9	15.2	15.6
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All India Average	11.0	10.6	9.7	9.5	8.8
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SHARE OF DEPRECIATION IN TOTAL COST

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
<i>SPUs</i>		(%)				
1	Andhra Pradesh	3.74	3.71	3.40	3.39	2.82
2	Assam	3.26	2.53	2.08	1.99	1.85
3	Bihar	1.38	1.71	1.83	4.18	3.80
4	Chattisgarh	1.63	2.26	1.94	1.92	1.60
5	Delhi	2.93	2.57	2.34		
6	Gujarat	2.70	2.57	2.43	2.50	2.43
7	Haryana	1.11	1.13	0.96	1.34	1.32
8	Himachal Pradesh	3.30	3.30	4.34	3.00	3.53
9	Jammu & Kashmir	3.35	3.11	3.03	2.59	2.85
10	Jharkhand	1.72	1.46	2.76	2.08	1.45
11	Karnataka	2.53	2.37	2.42	2.01	2.07
12	Kerala	7.31	7.08	6.02	3.70	3.96
13	Madhya Pradesh	6.98	6.24	5.57	5.47	4.96
14	Maharashtra	2.71	3.00	1.82	1.98	2.04
15	Meghalaya	5.87	5.01	3.88	8.20	9.64
16	Orissa	2.23	1.66	1.45		
17	Punjab	5.84	4.71	4.20	3.68	3.53
18	Rajasthan	2.19	2.68	2.65	2.50	2.50
19	Tamil Nadu	2.88	2.24	1.64	2.13	2.06
20	Uttar Pradesh	2.30	1.61	1.65	1.77	1.72
21	Uttarakhand	3.65	3.70	3.42	3.93	4.16
22	West Bengal	3.18	2.96	2.49	2.15	2.30
Average of SPUs		3.1	2.9	2.5	2.6	2.5

II. EDs

1	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
2	Goa	2.24	2.01	0.24	0.18	0.47
3	Manipur	28.18	25.50	21.51	22.99	22.37
4	Mizoram	0.00	0.00	0.00	0.00	0.00
5	Nagaland	6.73	5.64	5.17	4.35	3.99
6	Pondicherry	3.46	2.85	2.40	2.28	2.35
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	12.79	9.36	8.24	7.82	6.25

Average of EDs	5.5	5.0	4.1	4.1	4.3
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All India Average	3.2	3.0	2.6	2.6	2.5
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SHARE OF INTEREST IN TOTAL COST

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
<i>SPUs</i>		(%)				
1	Andhra Pradesh	5.47	5.25	6.14	2.47	2.04
2	Assam	3.69	2.93	2.81	2.69	2.49
3	Bihar	20.12	19.07	14.72	4.80	5.41
4	Chattisgarh	1.99	1.41	1.48	1.68	1.57
5	Delhi	4.79	6.19	7.38		
6	Gujarat	1.00	0.65	-0.08	0.08	0.05
7	Haryana	5.69	7.82	7.03	12.73	12.49
8	Himachal Pradesh	5.50	4.42	5.57	6.00	3.38
9	Jammu & Kashmir	0.61	0.50	0.43	0.35	0.40
10	Jharkhand	19.50	14.49	12.60	10.93	8.50
11	Karnataka	5.46	5.23	4.91	5.11	4.48
12	Kerala	4.27	4.20	4.40	4.47	5.35
13	Madhya Pradesh	11.12	8.12	7.54	5.62	7.28
14	Maharashtra	1.43	1.36	2.01	2.57	2.26
15	Meghalaya	10.34	6.99	6.72	16.06	13.04
16	Orissa	3.65	3.15	2.95		
17	Punjab	11.93	10.72	12.97	12.01	11.73
18	Rajasthan	11.91	17.15	21.05	20.49	21.19
19	Tamil Nadu	9.57	10.33	9.78	11.38	12.60
20	Uttar Pradesh	7.12	6.91	8.81	7.35	10.04
21	Uttarakhand	2.99	2.92	2.92	2.92	3.33
22	West Bengal	5.20	4.38	4.97	5.36	6.44
Average of SPUs		6.7	6.8	7.3	7.1	7.4

II. EDs

1	Arunachal Pradesh	5.82	6.10	3.01	3.03	3.22
2	Goa	1.08	1.05	0.81	0.65	0.60
3	Manipur	0.00	0.00	0.00	0.00	0.00
4	Mizoram	24.37	5.78	0.41	0.30	0.28
5	Nagaland	8.81	7.16	5.51	7.62	5.53
6	Pondicherry	0.00	0.00	0.00	0.00	0.00
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	0.00	0.00	0.00	0.00	0.00
Average of EDs		3.3	1.7	0.9	1.0	0.9
All India Average		6.6	6.8	7.3	7.0	7.3

NUMBER OF CONSUMERS						
S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
<i>SPUs</i>						(In lakhs)
1	Andhra Pradesh	215	228	238	238	238
2	Assam	17	19	23	23	30
3	Bihar	32	28	33	42	56
4	Chhattisgarh	30	37	36	38	39
5	Gujarat	112	115	124	132	139
6	Haryana	46	48	49	52	54
7	Himachal Pradesh	19	20	20	21	21
8	Jammu & Kashmir	12	13	13	13	13
9	Jharkhand	15	17	20	34	37
10	Karnataka	168	176	182	190	200
11	Kerala	97	101	105	108	111
12	Madhya Pradesh	86	91	111	111	111
13	Maharashtra	179	194	205	207	207
14	Meghalaya	3	3	3	3	3
15	Punjab	69	73	76	80	83
16	Rajasthan	62	91	98	115	112
17	Tamil Nadu	216	226	232	239	247
18	Uttar Pradesh	107	120	131	139	151
19	Uttarakhand	14	15	16	16	18
20	West Bengal	76	86	107	117	129
Sub-total I		1575	1701	1822	1918	1999
<i>EDs</i>						
1	Arunachal Pradesh	2	2	2	2	2
2	Goa	5	5	6	6	6
3	Manipur	2	2	2	2	2
4	Mizoram	2	2	2	2	2
5	Nagaland	2	2	2	2	2
6	Pondicherry	3	3	3	4	4
7	Sikkim	1	1	1	1	1
8	Tripura	4	5	5	6	7
Sub-total II		21	22	23	25	26
Total		1596	1723	1845	1943	2025

NUMBER OF EMPLOYEES						
S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13	2013-14
				(R.E)	(AP)	
<i>SPUs</i>						
1	Andhra Pradesh	45947	46754	47303	47303	47303
2	Assam	11109	11069	10589	10658	10382
3	Bihar	11918	12506	10278	12544	13500
4	Chhattisgarh	10796	11109	11362	11537	12000
5	Gujarat	51128	52489	51938	53550	54102
6	Haryana	27526	28237	27223	29565	30623
7	Himachal Pradesh	19000	21000	21000	19500	19300
8	Jammu & Kashmir	17673	17673	13728	18173	18673
9	Jharkhand	6500	5800	5750	5350	6650
10	Karnataka	35622	42655	41387	42387	42698
11	Kerala	28256	29885	30711	30865	31019
12	Madhya Pradesh	47947	48880	47496	47496	47496
13	Maharashtra	86704	69072	59071	60075	61276
14	Meghalaya	3639	3563	3310	3370	3450
15	Punjab	64308	59908	53451	48641	44132
16	Rajasthan	28726	41198	41756	45375	45887
17	Tamil Nadu	81582	79908	90203	90654	92014
18	Uttar Pradesh	47400	50900	42589	38771	39546
19	Uttrakhand	4595	4136	4087	4066	4427
20	West Bengal	18588	18740	17511	18156	19209
Sub-Total-I(SPUs)						
		648964	655482	630743	638036	643687
<i>EDs</i>						
1	Arunachal Pradesh	9700	9800	9922	10000	10000
2	Goa	4976	5497	5497	5497	5497
3	Manipur	3292	3191	3072	3048	2892
4	Mizoram	2180	1835	1817	1832	1919
5	Nagaland	4380	4380	4621	4621	4621
6	Pondicherry	1837	1837	1837	1837	1837
7	Sikkim	3688	3750	3823	3950	4100
8	Tripura	4608	4608	3519	3484	3449
Sub-Total-II(EDs)						
		34661	34898	34108	34269	34315
Total: (I+II)						
		683625	690380	664851	672305	678002

NUMBER OF EMPLOYEES PER MkWh OF ELECTRICITY SOLD

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
<i>SPUs</i>						
1	Andhra Pradesh	0.77	0.72	0.67	0.68	0.54
2	Assam	3.25	2.79	2.57	2.40	1.90
3	Bihar	1.96	2.04	1.54	1.59	1.34
4	Chhatisgarh	0.81	0.84	0.81	0.70	0.50
5	Gujarat	1.11	1.05	0.95	0.93	0.86
6	Haryana	1.17	1.11	0.94	0.93	0.76
7	Himachal Pradesh	2.68	2.52	2.47	2.21	2.11
8	Jammu & Kashmir	4.61	4.37	3.22	2.98	2.89
9	Jharkhand	1.12	0.86	0.88	0.72	0.76
10	Karnataka	1.05	1.15	0.97	0.91	0.83
11	Kerala	2.01	2.04	1.92	1.80	1.68
12	Madhya Pradesh	2.13	1.93	1.67	1.40	0.99
13	Maharashtra	1.36	0.97	0.74	0.67	0.64
14	Meghalaya	3.72	3.22	2.80	2.63	1.83
15	Punjab	1.97	1.79	1.53	1.29	1.11
16	Rajasthan	0.92	1.19	1.10	1.07	0.97
17	Tamil Nadu	1.41	1.36	1.47	1.59	1.27
18	Uttar Pradesh	1.13	1.13	0.84	0.68	0.62
19	Uttrakhand	0.74	0.57	0.50	0.45	0.45
20	West Bengal	0.94	0.87	0.79	0.64	0.69
Average of SEBs		1.31	1.23	1.08	1.01	0.88

II. EDs

1	Arunachal Pradesh	40.80	30.63	32.00	26.52	18.98
2	Goa	1.70	1.80	1.73	1.83	1.87
3	Manipur	11.31	8.36	7.17	6.44	4.75
4	Mizoram	9.49	5.77	5.75	5.13	4.62
5	Nagaland	13.45	11.61	13.08	13.13	10.80
6	Pondicherry	0.79	0.74	0.65	0.64	0.61
7	Sikkim	5.06	5.15	5.00	4.92	4.68
8	Tripura	5.72	4.73	3.67	3.32	2.20

Average of EDs	4.41	4.04	3.73	3.68	3.31
All India Average	1.31	1.23	1.12	1.05	0.91

NUMBER OF EMPLOYEES PER THOUSAND CONSUMERS

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13	2013-14 (R.E) (AP)
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SPUs

1	Andhra Pradesh	0.21	0.21	0.20	0.20
2	Assam	0.67	0.58	0.47	0.46
3	Bihar	0.37	0.45	0.31	0.30
4	Chhattisgarh	0.36	0.30	0.32	0.30
5	Gujarat	0.46	0.46	0.42	0.41
6	Haryana	0.60	0.59	0.55	0.57
7	Himachal Pradesh	0.99	1.07	1.04	0.94
8	Jammu & Kashmir	1.43	1.38	1.05	1.36
9	Jharkhand	0.45	0.35	0.29	0.16
10	Karnataka	0.21	0.24	0.23	0.22
11	Kerala	0.29	0.30	0.29	0.29
12	Madhya Pradesh	0.56	0.54	0.43	0.43
13	Maharashtra	0.48	0.36	0.29	0.29
14	Meghalaya	1.39	1.32	1.12	1.09
15	Punjab	0.93	0.82	0.70	0.61
16	Rajasthan	0.46	0.45	0.43	0.39
17	Tamil Nadu	0.38	0.35	0.39	0.38
18	Uttar Pradesh	0.44	0.43	0.33	0.28
19	Uttarakhand	0.32	0.27	0.25	0.25
20	West Bengal	0.24	0.22	0.16	0.15

Average of SPUs 0.41 0.39 0.35 0.33 0.32

II. EDs

1	Arunachal Pradesh	6.18	5.61	5.38	5.16	4.52
2	Goa	0.96	1.01	0.97	0.97	0.97
3	Manipur	1.76	1.65	1.53	1.44	1.34
4	Mizoram	1.38	1.03	1.02	1.05	0.91
5	Nagaland	2.37	2.29	2.36	2.28	2.22
6	Pondicherry	0.57	0.55	0.53	0.51	0.50
7	Sikkim	4.50	4.52	4.33	4.35	4.42
8	Tripura	1.05	0.94	0.66	0.59	0.53

Average of EDs 1.69 1.60 1.49 1.43 1.35

All India Average 0.43 0.40 0.36 0.35 0.33

AVERAGE TARIFF FOR SALE OF ELECTRICITY

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13	2013-14
	(R.E)	(AP)			

SPUs

(Paise/Kwh)

1	Andhra Pradesh	266.53	310.80	338.28	400.80	547.21
2	Assam	428.77	428.31	493.99	511.46	478.20
3	Bihar	303.02	387.02	464.20	450.66	515.66
4	Chattisgarh	286.79	299.59	309.29	340.21	335.09
5	Delhi	446.66	379.52	407.18		
6	Gujarat	352.54	384.62	422.14	450.25	462.78
7	Haryana	342.51	391.00	326.22	406.49	401.49
8	Himachal Pradesh	404.46	399.65	432.22	439.64	447.46
9	Jammu & Kashmir	242.14	292.19	334.82	385.90	386.36
10	Jharkhand	284.61	296.25	348.56	408.66	415.90
11	Karnataka	351.01	428.73	433.23	456.94	476.92
12	Kerala	337.93	354.17	349.99	444.49	441.99
13	Madhya Pradesh	313.05	361.20	383.88	411.67	423.52
14	Maharashtra	432.31	466.29	493.61	547.31	582.30
15	Meghalaya	419.74	337.35	342.84	385.91	378.74
16	Orissa	306.75	370.94	446.57		
17	Punjab	255.23	292.49	319.91	363.01	367.03
18	Rajasthan	304.01	306.80	325.96	350.25	429.65
19	Tamil Nadu	290.11	339.72	339.38	456.03	493.26
20	Uttar Pradesh	291.75	346.61	348.48	420.59	508.83
21	Uttarakhand	288.88	364.34	365.95	384.04	383.64
22	West Bengal	398.26	452.79	535.75	549.00	580.85

Average of SPUs	326.93	368.27	388.35	440.15	481.25
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II. EDs

1	Arunachal Pradesh	328.72	300.39	319.31	340.26	358.65
2	Goa	323.01	326.68	312.60	362.95	368.46
3	Manipur	320.79	290.72	286.40	285.69	282.05
4	Mizoram	287.46	222.45	420.98	443.77	452.51
5	Nagaland	278.21	261.41	349.55	383.11	382.94
6	Pondicherry	239.55	264.42	298.49	346.56	375.64
7	Sikkim	429.34	287.68	320.37	328.00	305.87
8	Tripura	343.59	314.31	363.22	400.10	475.28

Average of EDs	307.55	294.91	318.35	358.06	379.80
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All India Average	326.63	367.15	387.31	438.96	479.84
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Note: Delhi data is for NDPL Discom only

CONSUMER CATEGORYWISE AVERAGE TARIFF, 2009-10

S.No.	State/EDs	Domestic	Commercial	Agri./irrig.	Industrial	Rly. tractn.	Outside State	Overall average
SPUs								
								(Paise/Kwh)
1	Andhra Pradesh	271.45	928.08	9.16	404.72	428.96	41.29	266.53
2	Assam	354.00	527.00	374.26	458.00	0.00	336.07	428.77
3	Bihar	181.54	483.72	64.00	430.50	1958.88	383.98	303.02
4	Chattisgarh	177.52	454.17	53.44	364.40	3032.26	605.18	286.79
5	Delhi	429.64	640.27	200.00	470.81	1074.07	0.00	446.66
6	Gujarat	374.23	562.58	176.92	527.47	579.44	494.04	352.54
7	Haryana	326.65	417.71	35.84	424.67	424.41	0.00	342.51
8	Himachal Pradesh	261.89	501.94	554.12	345.67	0.00	641.71	404.46
9	Jammu & Kashmir	141.34	230.00	129.02	256.45	0.00	0.00	242.14
10	Jharkhand	74.00	434.00	49.00	433.45	474.99	402.00	284.61
11	Karnataka	338.20	640.96	145.28	492.59	0.00	0.00	351.01
12	Kerala	183.39	745.65	109.90	413.15	397.88	880.64	337.93
13	Madhya Pradesh	344.77	578.33	261.24	495.33	443.37	0.00	313.05
14	Maharashtra	416.14	700.59	201.89	530.64	566.27	0.00	432.31
15	Meghalaya	292.43	591.77	158.73	500.07	0.00	341.50	419.74
16	Orissa	193.73	377.80	185.43	337.68	370.67	0.00	306.75
17	Punjab	289.96	487.20	0.00	425.14	495.92	26.13	255.23
18	Rajasthan	372.39	544.82	123.13	492.94	405.09	395.34	304.01
19	Tamil Nadu	169.69	588.99	0.03	462.79	0.00	201.37	290.11
20	Uttar Pradesh	205.65	512.86	159.63	458.98	411.13	0.00	291.75
21	Uttarakhand	188.54	338.98	138.87	331.63	459.13	457.80	288.88
22	West Bengal	334.83	533.06	141.36	460.35	93.04	416.68	398.26
Average of SPUs								
		273.81	600.16	101.60	457.94	758.95	423.00	326.93

II. EDs

1	Arunachal Pradesh	300.00	375.38	0.00	300.12	0.00	390.30	328.72
2	Goa	152.84	201.59	105.00	440.02	0.00	247.02	323.01
3	Manipur	261.61	314.89	432.89	324.35	0.00	361.06	320.79
4	Mizoram	188.29	342.33	0.00	320.00	0.00	450.35	287.46
5	Nagaland	210.00	360.19	0.00	290.05	0.00	395.00	278.21
6	Pondicherry	83.00	284.83	3.25	286.01	0.00	445.94	239.55
7	Sikkim	160.00	260.07	0.00	254.99	0.00	667.21	429.34
8	Tripura	288.35	367.50	147.01	321.69	0.00	437.32	343.59

Average of EDs	170.95	247.93	58.57	353.42	0.00	436.98	307.55
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All India Average	272.13	594.08	101.55	456.14	758.95	424.29	326.63
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Note: Delhi data is for NDPL Discom only

CONSUMER CATEGORYWISE AVERAGE TARIFF, 2010-11

S.No.	State/EDs	Domes- tic	Commer- cial	Agri./ irrig.	Indus- trial	Rly. tractn.	Outside State	Overall average
SPUs								(Paise/Kwh)
1	Andhra Pradesh	300.50	1085.24	10.73	457.31	474.31	160.07	310.80
2	Assam	392.00	542.00	389.77	447.00	0.00	263.73	428.31
3	Bihar	214.07	637.97	223.55	504.51	569.36	411.76	387.02
4	Chattisgarh	197.56	444.87	102.34	375.28	414.98	435.40	299.59
5	Delhi	354.29	641.78	235.29	467.95	105.26	0.00	379.52
6	Gujarat	368.98	553.26	167.02	514.75	557.58	377.46	384.62
7	Haryana	346.39	450.91	41.53	474.05	445.34	0.00	391.00
8	Himachal Pradesh	270.85	510.85	513.13	369.13	0.00	521.36	399.65
9	Jammu & Kashmir	161.00	268.98	142.00	283.80	0.00	0.00	292.19
10	Jharkhand	92.76	464.87	47.69	461.68	513.69	261.34	296.25
11	Karnataka	354.38	682.13	304.73	524.45	0.00	0.00	428.73
12	Kerala	198.32	722.86	115.11	427.45	412.11	1075.17	354.17
13	Madhya Pradesh	401.86	621.32	298.97	488.89	499.96	0.00	361.20
14	Maharashtra	482.23	845.97	205.91	602.41	658.69	0.00	466.29
15	Meghalaya	269.39	528.80	165.27	403.71	0.00	145.51	337.35
16	Orissa	242.36	491.55	112.36	411.78	457.39	0.00	370.94
17	Punjab	318.49	509.72	51.33	434.01	520.83	199.57	292.49
18	Rajasthan	361.79	533.73	127.12	415.42	403.56	518.24	306.80
19	Tamil Nadu	169.29	671.14	0.08	486.16	0.00	1053.05	339.72
20	Uttar Pradesh	271.38	441.91	195.85	496.28	412.38	0.00	346.61
21	Uttarakhand	241.54	415.56	162.63	414.42	512.82	583.60	364.34
22	West Bengal	412.10	583.01	145.59	557.52	518.80	311.46	452.79
Average of SPUs		303.89	648.80	138.18	488.22	494.34	351.26	368.27

II. EDs

1	Arunachal Pradesh	315.00	389.93	0.00	315.10	0.00	280.00	300.39
2	Goa	152.86	240.98	112.35	442.99	0.00	271.10	326.68
3	Manipur	273.78	312.72	270.86	280.70	0.00	245.69	290.72
4	Mizoram	163.36	337.84	0.00	263.19	0.00	188.98	222.45
5	Nagaland	210.00	360.15	0.00	290.31	0.00	307.00	261.41
6	Pondicherry	101.63	289.92	2.08	339.85	0.00	257.21	264.42
7	Sikkim	160.00	260.04	0.00	235.00	0.00	374.63	287.68
8	Tripura	294.22	419.20	250.15	436.60	0.00	288.54	314.31

Average of EDs **179.01** **276.95** **88.53** **381.75** **0.00** **292.64** **294.91**

All India Average **301.88** **642.61** **138.13** **486.47** **494.34** **346.27** **367.15**

Note: Delhi data is for NDPL Discom only

CONSUMER CATEGORYWISE AVERAGE TARIFF, 2011-12

S.No.	State/EDs	Domes- tic	Commer- cial	Agri./ irrig.	Indus- trial	Rly. tractn.	Outside State	Overall average
SPUs								
1	Andhra Pradesh	264.85	1075.32	12.02	425.04	449.82	662.57	338.28
2	Assam	426.99	611.00	430.75	521.00	0.00	231.63	493.99
3	Bihar	319.30	756.47	169.13	674.49	588.44	361.32	464.20
4	Chattisgarh	240.44	512.80	129.87	419.71	474.10	368.01	309.29
5	Delhi	384.38	717.20	235.29	564.05	473.68	0.00	407.18
6	Gujarat	408.72	551.52	207.21	566.19	576.76	358.95	422.14
7	Haryana	347.37	486.39	43.62	498.29	486.71	0.00	326.22
8	Himachal Pradesh	297.67	588.29	0.00	413.98	0.00	536.97	432.22
9	Jammu & Kashmir	166.00	322.00	160.02	316.99	0.00	0.00	334.82
10	Jharkhand	121.00	576.01	55.99	522.50	548.07	325.64	348.56
11	Karnataka	382.59	724.97	280.46	556.25	0.00	0.00	433.23
12	Kerala	198.86	743.89	107.52	418.59	399.25	331.33	349.99
13	Madhya Pradesh	430.04	649.10	317.71	525.64	558.25	0.00	383.88
14	Maharashtra	443.27	897.23	214.74	630.45	761.51	0.00	493.61
15	Meghalaya	276.83	468.56	142.86	406.13	0.00	207.29	342.84
16	Orissa	236.63	609.87	110.43	527.37	529.22	0.00	446.57
17	Punjab	377.41	580.91	0.20	486.16	594.20	141.06	319.91
18	Rajasthan	393.72	575.91	129.39	458.08	460.29	479.53	325.96
19	Tamil Nadu	170.92	700.57	0.00	478.20	0.00	298.38	339.38
20	Uttar Pradesh	271.95	567.24	191.87	509.94	483.78	0.00	348.48
21	Uttarakhand	238.56	411.16	177.02	418.15	486.29	0.00	365.95
22	West Bengal	484.96	636.58	263.57	589.62	651.96	915.25	535.75
Average of SPUs								
		315.41	696.23	143.66	515.42	553.93	376.31	388.35

II. EDs

1	Arunachal Pradesh	330.00	410.06	0.00	305.25	0.00	270.00	319.31
2	Goa	129.76	260.46	90.53	493.07	0.00	255.49	312.60
3	Manipur	251.16	308.87	446.19	354.34	0.00	243.79	286.40
4	Mizoram	307.30	496.08	0.00	1015.02	0.00	284.62	420.98
5	Nagaland	340.00	450.15	0.00	350.00	0.00	250.00	349.55
6	Pondicherry	101.90	358.93	1.24	348.92	0.00	334.58	298.49
7	Sikkim	204.65	405.57	0.00	612.80	0.00	293.01	320.37
8	Tripura	356.89	471.63	332.66	446.26	0.00	323.85	363.22

Average of EDs **207.44** **320.15** **111.73** **420.45** **0.00** **360.09** **318.35**

All India Average **313.72** **689.88** **143.64** **513.92** **553.93** **368.14** **387.31**

Note: Delhi data is for NDPL Discom only

CONSUMER CATEGORYWISE AVERAGE TARIFF, 2012-13 (R.E)

S.No.	State/EDs	Domes- tic	Commer- cial	Agri./ irrig.	Indus- trial	Rly. tractn.	Outside State	Overall average
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I. SPUs

(Paise/Kwh)

1	Andhra Pradesh	324.46	1388.78	18.74	546.52	553.91	0.00	400.80
2	Assam	434.88	623.00	446.71	537.00	0.00	286.75	511.46
3	Bihar	286.00	694.99	357.00	583.58	591.00	415.00	450.66
4	Chhatisgarh	269.00	529.00	135.00	470.06	506.25	361.03	340.21
5	Gujarat	448.02	613.06	214.88	591.63	795.67	384.58	450.25
6	Haryana	441.24	555.08	48.04	574.08	575.15	0.00	406.49
7	Himachal Pradesh	303.62	600.05	0.00	422.30	0.00	547.71	439.64
8	Jammu & Kashmir	181.56	348.81	168.50	340.92	0.00	0.00	385.90
9	Jharkhand	216.00	567.08	70.25	603.19	581.25	0.00	408.66
10	Karnataka	400.76	756.59	298.26	585.35	0.00	0.00	456.94
11	Kerala	259.46	771.71	152.61	537.08	474.67	0.00	444.49
12	Madhya Pradesh	460.87	695.64	340.49	563.46	647.45	0.00	411.67
13	Maharashtra	486.60	1030.97	239.79	716.36	776.03	0.00	547.31
14	Meghalaya	315.37	483.27	182.37	436.77	0.00	218.40	385.91
15	Punjab	416.68	611.65	0.35	580.62	614.29	43.10	363.01
16	Rajasthan	441.11	610.65	147.14	474.20	429.78	404.87	350.25
17	Tamil Nadu	231.94	815.56	0.00	702.09	0.00	300.00	456.03
18	Uttar Pradesh	295.10	534.46	236.82	653.65	593.50	0.00	420.59
19	Uttrakhand	283.66	449.70	228.60	414.16	466.74	0.00	384.04
20	West Bengal	538.09	712.12	413.57	641.54	707.34	461.68	549.00

Average of SPUs 361.31 761.14 165.44 599.28 627.46 390.96 440.15

II. EDs

1	Arunachal Pradesh	346.00	430.04	0.00	321.21	0.00	299.98	340.26
2	Goa	167.66	271.04	113.33	494.46	0.00	298.06	362.95
3	Manipur	256.37	344.63	262.50	257.17	0.00	233.12	285.69
4	Mizoram	307.72	496.34	0.00	474.51	0.00	350.00	443.77
5	Nagaland	340.00	450.00	0.00	350.00	0.00	200.00	383.11
6	Pondicherry	116.87	400.50	1.41	408.16	0.00	334.58	346.56
7	Sikkim	253.65	469.19	0.00	644.91	0.00	281.75	328.00
8	Tripura	344.00	491.00	301.01	518.04	0.00	403.06	400.10

Average of EDs 226.13 345.18 77.97 447.89 0.00 319.44 358.06

All India Average 359.10 754.09 165.39 596.80 627.46 384.74 438.96

CONSUMER CATEGORYWISE AVERAGE TARIFF, A.P 2013-14

S.No.	State/EDs	Domes- tic	Commer- cial	Agri./ irrig.	Indus- trial	Rly. tractn.	Outside State	Overall average
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I. SPUs

(Paise/Kwh)

1	Andhra Pradesh	473.86	1128.49	44.25	535.88	553.91	0	547.21
2	Assam	435	623	446.71	537	0	250	478.2
3	Bihar	328.9	799.25	410.55	671.12	679.65	435.75	515.66
4	Chhattisgarh	286	590	154	480.82	541.18	281	335.09
5	Gujarat	462.05	595.58	217.56	607.9	633.29	387.46	462.78
6	Haryana	437.13	554.42	46.48	573.01	570.2	0	401.49
7	Himachal Pradesh	309.7	612.05	0	430.77	0	558.66	447.46
8	Jammu & Kashmir	181.56	348.8	168.5	340.92	0	0	386.36
9	Jharkhand	236	595	74	632.24	610	0	415.9
10	Karnataka	422.84	784.31	306.73	610.18	0	0	476.92
11	Kerala	281.09	777.12	172.94	567.86	505.29	0	441.99
12	Madhya Pradesh	474.7	716.51	350.7	580.61	736.5	0	423.52
13	Maharashtra	524.21	1110.65	258.33	771.81	835.78	0	582.3
14	Meghalaya	313.59	474.28	179.41	429.38	0	236.57	378.74
15	Punjab	424.23	616.84	0	586.68	613.79	43.25	367.03
16	Rajasthan	549.6	729.44	180.57	582.25	535.98	417.01	429.65
17	Tamil Nadu	255.53	856.29	0	735.76	0	325	493.26
18	Uttar Pradesh	435.06	463.59	224.18	736.35	747.72	0	508.83
19	Uttrakhand	283.16	450.13	228.65	413.46	502.14	0	383.64
20	West Bengal	540.25	716.02	415.22	650.45	710.87	172.29	580.85

Average of SEBs **410.55** **770.10** **183.09** **628.11** **663.85** **324.10** **481.25**

II. EDs

1	Arunachal Pradesh	360	449.85	0	336.54	0	350	358.65
2	Goa	149.54	268.01	106.11	488.62	0	405.26	368.46
3	Manipur	256.37	344.64	165.19	257.2	0	211.71	282.05
4	Mizoram	322.66	496.34	0	474.12	0	375	452.51
5	Nagaland	340	450	0	350.29	0	300	382.94
6	Pondicherry	137.89	476.71	2.83	481.67	0	334.58	375.64
7	Sikkim	270.06	491.96	0	639.98	0	252.73	305.87
8	Tripura	344	491	554.59	518.04	0	422.02	475.28

Average of EDs **230.24** **364.00** **125.90** **479.20** **0.00** **338.07** **379.80**

All India Average **407.84** **764.00** **183.06** **625.89** **663.85** **325.01** **479.84**

AVERAGE TARIFF FOR AGRICULTURE

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13	2013-14 (R.E) (AP)
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I. SPUs

(Paise/Kwh)

1	Andhra Pradesh	9.16	10.73	12.02	18.74	44.25
2	Assam	374.26	389.77	430.75	446.71	446.71
3	Bihar	64.00	223.55	169.13	357.00	410.55
4	Chattisgarh	53.44	102.34	129.87	135.00	154.00
5	Delhi	200.00	235.29	235.29		
6	Gujarat	176.92	167.02	207.21	214.88	217.56
7	Haryana	35.84	41.53	43.62	48.04	46.48
8	Himachal Pradesh	554.12	513.13	0.00	0.00	0.00
9	Jammu & Kashmir	129.02	142.00	160.02	168.50	168.50
10	Jharkhand	49.00	47.69	55.99	70.25	74.00
11	Karnataka	145.28	304.73	280.46	298.26	306.73
12	Kerala	109.90	115.11	107.52	152.61	172.94
13	Madhya Pradesh	261.24	298.97	317.71	340.49	350.70
14	Maharashtra	201.89	205.91	214.74	239.79	258.33
15	Meghalaya	158.73	165.27	142.86	182.37	179.41
16	Orissa	185.43	112.36	110.43		
17	Punjab	0.00	51.33	0.20	0.35	0.00
18	Rajasthan	123.13	127.12	129.39	147.14	180.57
19	Tamil Nadu	0.03	0.08	0.00	0.00	0.00
20	Uttar Pradesh	159.63	195.85	191.87	236.82	224.18
21	Uttarakhand	138.87	162.63	177.02	228.60	228.65
22	West Bengal	141.36	145.59	263.57	413.57	415.22

Average of SPUs	101.60	138.18	143.66	165.44	183.09
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II. EDs

1	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
2	Goa	105.00	112.35	90.53	113.33	106.11
3	Manipur	432.89	270.86	446.19	262.50	165.19
4	Mizoram	0.00	0.00	0.00	0.00	0.00
5	Nagaland	0.00	0.00	0.00	0.00	0.00
6	Pondicherry	3.25	2.08	1.24	1.41	2.83
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	147.01	250.15	332.66	301.01	554.59

Average of EDs	58.57	88.53	111.73	77.97	125.90
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All India Average	101.55	138.13	143.64	165.39	183.06
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Note: Delhi data is for NDPL Discom only

AVERAGE TARIFF FOR INDUSTRY

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I. SPUs

(Paise/Kwh)

1	Andhra Pradesh	404.72	457.31	425.04	546.52	535.88
2	Assam	458.00	447.00	521.00	537.00	537.00
3	Bihar	430.50	504.51	674.49	583.58	671.12
4	Chattisgarh	364.40	375.28	419.71	470.06	480.82
5	Delhi	470.81	467.95	564.05		
6	Gujarat	527.47	514.75	566.19	591.63	607.90
7	Haryana	424.67	474.05	498.29	574.08	573.01
8	Himachal Pradesh	345.67	369.13	413.98	422.30	430.77
9	Jammu & Kashmir	256.45	283.80	316.99	340.92	340.92
10	Jharkhand	433.45	461.68	522.50	603.19	632.24
11	Karnataka	492.59	524.45	556.25	585.35	610.18
12	Kerala	413.15	427.45	418.59	537.08	567.86
13	Madhya Pradesh	495.33	488.89	525.64	563.46	580.61
14	Maharashtra	530.64	602.41	630.45	716.36	771.81
15	Meghalaya	500.07	403.71	406.13	436.77	429.38
16	Orissa	337.68	411.78	527.37		
17	Punjab	425.14	434.01	486.16	580.62	586.68
18	Rajasthan	492.94	415.42	458.08	474.20	582.25
19	Tamil Nadu	462.79	486.16	478.20	702.09	735.76
20	Uttar Pradesh	458.98	496.28	509.94	653.65	736.35
21	Uttarakhand	331.63	414.42	418.15	414.16	413.46
22	West Bengal	460.35	557.52	589.62	641.54	650.45

Average of SPUs	457.94	488.22	515.42	599.28	628.11
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II. EDs

1	Arunachal Pradesh	300.12	315.10	305.25	321.21	336.54
2	Goa	440.02	442.99	493.07	494.46	488.62
3	Manipur	324.35	280.70	354.34	257.17	257.20
4	Mizoram	320.00	263.19	1015.02	474.51	474.12
5	Nagaland	290.05	290.31	350.00	350.00	350.29
6	Pondicherry	286.01	339.85	348.92	408.16	481.67
7	Sikkim	254.99	235.00	612.80	644.91	639.98
8	Tripura	321.69	436.60	446.26	518.04	518.04

Average of EDs	353.42	381.75	420.45	447.89	479.20
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All India Average	456.14	486.47	513.92	596.80	625.89
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Note: Delhi data is for NDPL Discom only

SALES REVENUE AS A RATIO OF COST

S.No.	State/EDs	2009-10 (R.E)	2010-11	2011-12	2012-13	2013-14 (AP)
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I. SPUs (%)

1	Andhra Pradesh	66.29	72.74	70.67	76.07	97.17
2	Assam	78.41	66.72	73.39	74.66	76.01
3	Bihar	42.49	44.94	39.64	52.13	65.72
4	Chattisgarh	84.36	80.19	69.72	81.44	81.58
5	Delhi	84.39	71.32	66.25		
6	Gujarat	92.52	91.92	92.80	92.92	93.39
7	Haryana	59.18	70.13	40.83	59.81	62.14
8	Himachal Pradesh	89.67	82.37	82.61	80.87	85.07
9	Jammu & Kashmir	37.58	41.77	38.70	51.07	57.30
10	Jharkhand	56.91	57.68	55.63	54.62	44.13
11	Karnataka	85.87	93.90	91.65	91.30	94.48
12	Kerala	76.93	77.77	72.29	67.45	74.07
13	Madhya Pradesh	58.04	67.10	62.64	68.45	78.63
14	Maharashtra	92.23	93.47	93.98	99.55	99.68
15	Meghalaya	92.99	69.16	57.90	62.12	72.25
16	Orissa	90.80	89.85	83.85		
17	Punjab	60.47	61.80	66.67	66.64	63.45
18	Rajasthan	43.45	46.86	47.33	48.59	61.59
19	Tamil Nadu	57.52	57.52	55.48	63.87	76.39
20	Uttar Pradesh	58.29	61.98	52.13	62.58	72.05
21	Uttarakhand	70.54	90.78	80.75	77.59	75.19
22	West Bengal	89.80	98.35	86.68	92.93	94.77

Average of SPUs 69.80 72.78 68.30 74.10 80.93

II. EDs

1	Arunachal Pradesh	26.89	34.47	27.26	35.3	43.52
2	Goa	112.47	101.76	84.98	88.96	99.12
3	Manipur	41	36.39	29.33	31.2	32.98
4	Mizoram	31.48	30.65	50.93	52.46	61.1
5	Nagaland	44.14	35.95	37.98	37.89	42.26
6	Pondicherry	91.15	82.02	83.29	85.91	92.49
7	Sikkim	176.36	93.96	96.46	95.79	95.9
8	Tripura	91.18	67.6	63.7	68.46	93.13

Average of EDs 84.45 71.83 66.86 70.37 78.08

All India Average 67.31 70.31 66.00 74.05 80.90

COMMERCIAL PROFIT/LOSS (with subsidy)

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
I. SPUs						
1	Andhra Pradesh	38.5	39.4	34.7	-2878.7	4619.8
2	Assam	-302.6	-485.7	-423.4	-436.9	-621.4
3	Bihar	-1530.5	-1668.8	-2418.6	-406.4	44.5
4	Chattisgarh	-334.0	-564.5	-1310.3	-608.6	-1119.4
5	Delhi	920.0	1057.0	1710.0		
6	Gujarat	91.0	162.9	171.9	48.1	61.4
7	Haryana	-1691.7	-954.8	-10111.5	-3127.4	-2810.8
8	Himachal Pradesh	-152.8	-511.0	-512.5	-636.6	-388.9
9	Jammu & Kashmir	-1540.6	-1643.9	-2260.6	-2245.7	-1853.3
10	Jharkhand	-559.9	-820.1	-848.5	-851.7	-2292.6
11	Karnataka	-257.9	9.9	36.2	171.4	229.3
12	Kerala	-986.8	-988.9	-1693.4	-3323.7	-2518.0
13	Madhya Pradesh	-2995.4	-2520.0	-4190.5	-3914.2	-2758.6
14	Maharashtra	40.1	-1042.1	-15.9	1043.0	1147.0
15	Meghalaya	44.7	-66.7	-171.6	-169.7	-141.2
16	Orissa	-351.0	-663.0	-1119.0		
17	Punjab	-1549.9	-2024.9	-593.9	-578.3	-1610.2
18	Rajasthan	-10885.8	-10383.2	-11504.4	-12620.6	-9110.2
19	Tamil Nadu	-10294.3	-12665.0	-14305.4	-9239.7	-4200.2
20	Uttar Pradesh	-6370.7	-6971.4	-12429.5	-9693.9	-6065.5
21	Uttarakhand	-527.5	-218.7	-573.9	-734.5	-973.6
22	West Bengal	100.8	113.8	102.6	104.8	177.7

Sub-Total-I(SPUs) -39096.4 -42809.6 -62427.5 -50099.2 -30184.2

II. EDs

1	Arunachal Pradesh	-212.1	-182.3	-263.8	-234.7	-244.8
2	Goa	117.5	26.9	-167.6	-80.1	72.6
3	Manipur	-134.2	-193.9	-295.4	-298.0	-348.9
4	Mizoram	-142.1	-158.4	-125.6	-141.1	-116.6
5	Nagaland	-114.2	-175.2	-201.3	-220.6	-223.2
6	Pondicherry	-47.1	-133.8	-164.3	-161.2	-88.8
7	Sikkim	135.4	-13.5	-9.0	-11.6	-11.5
8	Tripura	2.4	-125.8	-156.8	-152.0	-3.0

Sub-Total-II(EDs) -394.4 -956.0 -1383.7 -1299.1 -964.2

Grand Total: (I+II) -39490.8 -43765.5 -63811.2 -51398.3 -31148.4

Commercial Losses for the Year 2009-10

S.No.	State/EDs	Total Revenue	Revenue Expenditure	Gross Operating Surplus	Depreciation	Net Operating Surplus	Total Interest Payable	Commercial Profit/Loss
		Revenue	Expenditure	Surplus		Surplus	Payable	Profit/Loss

I. SPUs

(Rs.Crore)

1	Andhra Pradesh	24147.1	21887.3	2259.8	902.3	1357.5	1319.0	38.5
2	Assam	1565.3	1738.1	-172.8	61.0	-233.7	68.8	-302.6
3	Bihar	2795.9	3396.3	-600.4	59.7	-660.1	870.4	-1530.5
4	Chhattisgarh	4193.6	4363.9	-170.3	73.6	-243.9	90.1	-334.0
5	Gujarat	17564.0	16827.0	737.0	471.0	266.0	175.0	91.0
6	Haryana	11942.2	12706.3	-764.2	151.5	-915.7	776.1	-1691.8
7	Himachal Pradesh	3048.7	2919.8	128.9	105.5	23.4	176.2	-152.8
8	Jammu & Kashmir	929.5	2372.4	-1442.9	82.7	-1525.6	15.0	-1540.6
9	Jharkhand	2335.0	2280.6	54.4	49.8	4.6	564.6	-560.0
10	Karnataka	13563.1	12716.4	846.7	349.4	497.3	755.2	-257.9
11	Kerala	5183.9	5455.9	-272.0	451.2	-723.2	263.6	-986.8
12	Madhya Pradesh	9167.2	9961.0	-793.8	848.7	-1642.5	1353.0	-2995.5
13	Maharashtra	29188.3	28729.3	459.0	812.3	-353.3	429.8	-783.1
14	Meghalaya	486.5	370.2	116.3	25.9	90.4	45.7	44.7
15	Punjab	12249.7	11347.4	902.3	805.9	96.4	1646.3	-1549.9
16	Rajasthan	11044.3	18838.2	-7793.8	480.3	-8274.2	2611.7	-10885.8
17	Tamil Nadu	18844.0	25511.3	-6667.3	839.2	-7506.5	2787.9	-10294.3
18	Uttar Pradesh	14689.5	19075.1	-4385.6	485.0	-4870.5	1500.2	-6370.7
19	Uttrakhand	2031.6	2389.1	-357.5	93.4	-450.9	76.6	-527.5
20	West Bengal	8827.3	7995.6	831.7	277.3	554.4	453.7	100.8

Sub-Total-I(SPUs)	193796.8	210881.04	-17084.22	7425.75	-24509.98	15978.66	-40488.63
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II. EDs

1	Arunachal Pradesh	78.4	273.7	-195.2	0.0	-195.2	16.9	-212.1
2	Goa	958.2	812.8	145.4	18.8	126.6	9.1	117.5
3	Manipur	93.5	163.5	-70.1	64.2	-134.2	0.0	-134.2
4	Mizoram	67.6	158.6	-91.0	0.0	-91.0	51.1	-142.1
5	Nagaland	91.0	173.3	-82.3	13.8	-96.1	18.1	-114.2
6	Pondicherry	562.5	588.5	-25.9	21.1	-47.1	0.0	-47.1
7	Sikkim	312.8	177.4	135.4	0.0	135.4	0.0	135.4
8	Tripura	306.1	264.9	41.2	38.9	2.4	0.0	2.4

Sub-Total-II(EDs)	2470.1	2612.54	-142.46	156.70	-299.16	95.20	-394.36
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Grand Total: (I+II)	196266.9	213493.58	-17226.68	7582.45	-24809.14	16073.86	-40882.99
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Commercial Losses for the Year 2010-11

S.No.	State/EDs	Total Revenue	Revenue Expenditure	Gross Operating Surplus	Depreciation	Net Operating Surplus	Total Interest Payable	Commercial Profit/Loss
		Revenue	Expenditure	Surplus		Surplus	Payable	Profit/Loss

I. SPUs

(Rs.Crore)

1	Andhra Pradesh	27703.8	25185.5	2518.3	1027.5	1490.8	1451.4	39.4
2	Assam	2058.0	2404.9	-346.9	64.3	-411.2	74.5	-485.7
3	Bihar	3617.6	4187.7	-570.1	90.5	-660.6	1008.3	-1668.8
4	Chhattisgarh	4374.0	4757.2	-383.2	111.4	-494.6	69.9	-564.5
5	Gujarat	21117.4	20279.3	838.1	538.3	299.8	136.9	162.9
6	Haryana	13289.9	12968.8	321.1	161.4	159.7	1114.5	-954.8
7	Himachal Pradesh	3538.4	3736.8	-198.4	133.6	-332.0	179.0	-511.0
8	Jammu & Kashmir	1182.7	2724.7	-1542.0	87.9	-1629.9	14.1	-1644.0
9	Jharkhand	2663.5	2927.9	-264.4	51.0	-315.4	504.8	-820.1
10	Karnataka	17002.3	15701.3	1301.0	402.5	898.5	888.6	9.9
11	Kerala	5695.4	5930.0	-234.6	473.4	-708.0	280.9	-988.9
12	Madhya Pradesh	11130.8	11691.0	-560.2	851.8	-1412.0	1108.0	-2520.0
13	Maharashtra	34516.7	34008.5	508.2	1067.5	-559.3	482.8	-1042.1
14	Meghalaya	472.4	474.4	-2.0	27.0	-29.0	37.7	-66.7
15	Punjab	13822.0	13401.9	420.1	746.7	-326.5	1698.4	-2024.9
16	Rajasthan	12237.7	18134.8	-5897.1	606.1	-6503.2	3880.0	-10383.2
17	Tamil Nadu	22101.1	30395.1	-8294.0	779.8	-9073.8	3591.2	-12665.0
18	Uttar Pradesh	18323.6	23137.8	-4814.2	408.2	-5222.3	1749.1	-6971.4
19	Uttrakhand	2691.2	2717.2	-25.9	107.8	-133.7	85.0	-218.7
20	West Bengal	10057.7	9214.0	843.7	294.6	549.1	435.2	113.8

Sub-Total-I(SPUs)	227596.3	243978.76	-16382.47	8031.01	-24413.49	18790.06	-43203.55
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II. EDs

1	Arunachal Pradesh	96.5	261.8	-165.3	0.0	-165.3	17.0	-182.3
2	Goa	1009.9	952.9	57.0	19.7	37.2	10.3	26.9
3	Manipur	111.1	227.3	-116.2	77.8	-193.9	0.0	-193.9
4	Mizoram	72.4	217.5	-145.1	0.0	-145.1	13.3	-158.4
5	Nagaland	99.2	239.3	-140.1	15.5	-155.6	19.6	-175.2
6	Pondicherry	663.1	774.2	-111.1	22.7	-133.8	0.0	-133.8
7	Sikkim	209.6	223.0	-13.5	0.0	-13.5	0.0	-13.5
8	Tripura	326.7	410.2	-83.4	42.4	-125.8	0.0	-125.8

Sub-Total-II(EDs)	2588.4	3306.06	-717.66	178.05	-895.71	60.28	-955.99
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Grand Total: (I+II)	230184.7	247284.82	-17100.13	8209.06	-25309.20	18850.34	-44159.54
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Commercial Losses for the Year 2011-12

S.No.	State/EDs	Total Revenue	Revenue Expenditure	Gross Operating Surplus	Depreciation	Net Operating Surplus	Total Interest Payable	Commercial Profit/Loss
		Revenue	Expenditure	Surplus		Surplus	Payable	Profit/Loss

I. SPUs

(Rs.Crore)

1	Andhra Pradesh	33974.9	30700.9	3274.1	1155.6	2118.4	2083.8	34.7
2	Assam	2346.4	2634.4	-287.9	57.7	-345.6	77.8	-423.4
3	Bihar	5421.2	6542.4	-1121.2	143.5	-1264.7	1153.9	-2418.6
4	Chhattisgarh	4892.5	5990.6	-1098.1	120.5	-1218.6	91.7	-1310.3
5	Gujarat	25135.7	24377.8	757.9	605.9	152.1	-19.8	171.9
6	Haryana	13036.5	21298.6	-8262.1	221.6	-8483.8	1627.7	-10111.5
7	Himachal Pradesh	3943.6	4014.7	-71.1	193.3	-264.4	248.1	-512.5
8	Jammu & Kashmir	1431.0	3564.0	-2133.0	111.8	-2244.8	15.8	-2260.6
9	Jharkhand	3223.0	3446.0	-223.0	112.6	-335.5	513.0	-848.5
10	Karnataka	20102.4	18595.5	1507.0	485.3	1021.7	985.4	36.2
11	Kerala	6043.9	6930.8	-886.9	466.0	-1352.9	340.5	-1693.4
12	Madhya Pradesh	13242.0	15146.5	-1904.6	970.9	-2875.5	1315.0	-4190.5
13	Maharashtra	40806.2	40474.4	331.8	-500.0	831.8	847.7	-15.9
14	Meghalaya	528.1	625.5	-97.4	27.1	-124.6	47.0	-171.6
15	Punjab	16222.4	13930.0	2292.5	706.0	1586.5	2180.5	-593.9
16	Rajasthan	14600.8	19919.5	-5318.7	691.1	-6009.8	5494.6	-11504.4
17	Tamil Nadu	23146.5	33175.1	-10028.6	614.1	-10642.6	3662.8	-14305.4
18	Uttar Pradesh	21389.1	30280.0	-8890.9	558.9	-9449.7	2979.8	-12429.5
19	Uttrakhand	3166.1	3502.9	-336.8	128.0	-464.8	109.1	-573.9
20	West Bengal	13825.1	12699.5	1125.6	341.4	784.3	681.6	102.6

Sub-Total-I(SPUs) 266477.4 297848.76 -31371.40 7211.10 -38582.50 24435.99 -63018.49

II. EDs

1	Arunachal Pradesh	99.4	352.2	-252.9	0.0	-252.9	10.9	-263.8
2	Goa	1000.6	1156.0	-155.4	2.8	-158.2	9.4	-167.6
3	Manipur	123.3	328.6	-205.3	90.0	-295.4	0.0	-295.4
4	Mizoram	135.8	260.3	-124.5	0.0	-124.5	1.1	-125.6
5	Nagaland	123.9	290.5	-166.6	16.8	-183.4	17.9	-201.3
6	Pondicherry	852.9	992.8	-139.9	24.4	-164.3	0.0	-164.3
7	Sikkim	244.7	253.7	-9.0	0.0	-9.0	0.0	-9.0
8	Tripura	389.9	501.6	-111.7	45.0	-156.8	0.0	-156.8

Sub-Total-II(EDs) 2970.5 4135.70 -1165.25 179.07 -1344.32 39.36 -1383.67

Grand Total: (I+II) 269447.8 301984.46 -32536.65 7390.17 -39926.82 24475.35 -64402.16

Commercial Losses for the Year 2012-13 (R.E)

S.No.	State/EDs	Total	Revenue	Gross Operating	Depreciation	Net Operating	Total Interest	Commercial
		Revenue	Expenditure	Surplus		Surplus	Payable	Profit/Loss

2012-13

I. SPUs

(Rs.Crore)

1	Andhra Pradesh	33823.4	34549.9	-726.5	1244.2	-1970.7	908.0	-2878.7
2	Assam	2601.4	2896.0	-294.6	60.6	-355.2	81.7	-436.9
3	Bihar	6425.3	6217.9	207.4	285.8	-78.4	328.0	-406.4
4	Chhattisgarh	6267.9	6628.9	-361.0	131.8	-492.9	115.7	-608.6
5	Gujarat	27894.7	27128.4	766.3	696.2	70.1	22.0	48.1
6	Haryana	18488.6	18574.9	-86.2	290.2	-376.4	2751.0	-3127.4
7	Himachal Pradesh	4157.3	4362.3	-205.0	144.0	-349.0	287.6	-636.6
8	Jammu & Kashmir	2360.1	4470.3	-2110.3	119.4	-2229.7	16.1	-2245.7
9	Jharkhand	4697.9	4827.2	-129.3	115.7	-245.0	606.7	-851.7
10	Karnataka	23532.0	21697.2	1834.8	469.4	1365.4	1194.0	171.4
11	Kerala	7998.2	10396.9	-2398.6	418.9	-2817.6	506.1	-3323.7
12	Madhya Pradesh	16497.8	18147.6	-1649.8	1116.6	-2766.4	1147.8	-3914.2
13	Maharashtra	50280.8	46998.3	3282.5	975.3	2307.3	1264.2	1043.1
14	Meghalaya	625.4	602.2	23.2	65.2	-42.0	127.7	-169.7
15	Punjab	20023.6	17369.8	2653.8	758.5	1895.3	2473.6	-578.3
16	Rajasthan	17928.3	23523.7	-5595.4	765.2	-6360.6	6260.0	-12620.6
17	Tamil Nadu	31563.1	35287.3	-3724.2	871.1	-4595.3	4644.4	-9239.7
18	Uttar Pradesh	28582.3	34788.5	-6206.2	676.1	-6882.3	2811.7	-9694.0
19	Uttrakhand	3702.9	4133.5	-430.6	174.4	-605.0	129.5	-734.5
20	West Bengal	16741.3	15387.5	1353.9	357.4	996.5	891.7	104.8

Sub-Total-I(SPUs)	324192.2	337988.09	-13795.87	9735.92	-23531.78	26567.40	-50099.17
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II. EDs

1	Arunachal Pradesh	128.69	352.39	-223.70	0.00	-223.70	11.00	-234.70
2	Goa	1145.52	1215.50	-69.98	2.15	-72.13	7.99	-80.12
3	Manipur	135.28	333.65	-198.37	99.60	-297.97	0.00	-297.97
4	Mizoram	160.96	301.11	-140.15	0.00	-140.15	0.92	-141.07
5	Nagaland	135.43	313.38	-177.95	15.48	-193.43	27.13	-220.56
6	Pondicherry	1002.20	1136.88	-134.68	26.48	-161.16	0.00	-161.16
7	Sikkim	263.50	275.08	-11.58	0.00	-11.58	0.00	-11.58
8	Tripura	461.50	565.48	-103.98	48.00	-151.98	0.00	-151.98

Sub-Total-II(EDs)	3433.1	4493.47	-1060.39	191.71	-1252.10	47.04	-1299.14
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Grand Total: (I+II)	327625.3	342481.56	-14856.26	9927.63	-24783.88	26614.44	-51398.31
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Commercial Losses for the Year 2013-14 (A.P)

S.No.	State/EDs	Total Revenue	Revenue Expenditure	Gross Operating Surplus	Depreciation	Net Operating Surplus	Total Interest Payable	Commercial Profit/Loss
		Revenue	Expenditure	Surplus				

I. SPUs

(Rs.Crore)

1	Andhra Pradesh	53971.6	46956.9	7014.7	1389.5	5625.2	1005.4	4619.8
2	Assam	2823.6	3295.7	-472.1	63.6	-535.7	85.7	-621.4
3	Bihar	7939.4	7167.8	771.6	300.0	471.6	427.2	44.5
4	Chhatisgarh	8778.6	9584.8	-806.2	158.2	-964.4	155.0	-1119.4
5	Gujarat	31246.5	30410.2	836.3	759.1	77.3	15.9	61.4
6	Haryana	23165.4	22387.9	777.6	343.0	434.5	3245.3	-2810.8
7	Himachal Pradesh	4425.0	4480.9	-55.9	170.1	-226.0	162.9	-388.9
8	Jammu & Kashmir	2510.0	4221.5	-1711.5	124.3	-1835.8	17.5	-1853.3
9	Jharkhand	5923.5	7398.8	-1475.3	118.9	-1594.2	698.4	-2292.6
10	Karnataka	26066.6	24146.0	1920.6	534.0	1386.6	1157.3	229.3
11	Kerala	8478.4	9972.1	-1493.7	435.8	-1929.5	588.4	-2518.0
12	Madhya Pradesh	23145.9	22735.0	410.9	1284.0	-873.1	1885.5	-2758.6
13	Maharashtra	57498.5	53930.3	3568.2	1149.1	2419.1	1272.1	1147.0
14	Meghalaya	849.4	765.9	83.5	95.5	-12.0	129.2	-141.2
15	Punjab	21477.3	19565.7	1911.5	814.5	1097.1	2707.3	-1610.2
16	Rajasthan	23994.9	25264.6	-1269.7	826.1	-2095.8	7014.5	-9110.2
17	Tamil Nadu	42647.0	39978.6	2668.3	966.9	1701.4	5901.6	-4200.2
18	Uttar Pradesh	38909.1	39685.0	-775.9	775.3	-1551.2	4514.4	-6065.5
19	Uttrakhand	4010.6	4610.9	-600.3	207.5	-807.8	165.8	-973.6
20	West Bengal	17282.9	15610.1	1672.8	393.4	1279.4	1101.7	177.7

Sub-Total-I(SPUs)	405144.2	392168.57	12975.64	10908.83	2066.79	32250.99	-30184.21
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II. EDs

1	Arunachal Pradesh	189.4	420.1	-230.8	0.0	-230.8	14.0	-244.8
2	Goa	1164.7	1080.5	84.3	5.1	79.2	6.6	72.6
3	Manipur	171.8	404.2	-232.4	116.5	-348.9	0.0	-348.9
4	Mizoram	190.9	306.7	-115.8	0.0	-115.8	0.9	-116.6
5	Nagaland	164.4	350.7	-186.3	15.5	-201.8	21.4	-223.2
6	Pondicherry	1132.5	1192.6	-60.1	28.7	-88.8	0.0	-88.8
7	Sikkim	267.8	279.3	-11.5	0.0	-11.5	0.0	-11.5
8	Tripura	797.0	750.0	47.0	50.0	-3.0	0.0	-3.0

Sub-Total-II(EDs)	4078.6	4784.16	-705.60	215.69	-921.29	42.87	-964.16
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Grand Total: (I+II)	409222.8	396952.73	12270.04	11124.52	1145.50	32293.86	-31148.37
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COMMERCIAL PROFIT/LOSS (without subsidy)

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
I. SPUs						(Rs.Crore)
1	Andhra Pradesh	-6670.64	-5816.28	-8090.99	-8237.36	-738.92
2	Assam	-302.55	-737.73	-573.38	-586.85	-621.42
3	Bihar	-2370.49	-2748.83	-4538.86	-3170.02	-2586.16
4	Chattisgarh	-484.05	-766.59	-1621.42	-1062.60	-1598.97
5	Delhi	920.00	1057.00	1710.00		
6	Gujarat	-1009.00	-938.01	-927.92	-1051.88	-1038.58
7	Haryana	-4980.47	-4002.15	-13480.49	-8404.86	-9428.99
8	Himachal Pradesh	-153.02	-511.02	-512.53	-636.60	-388.90
9	Jammu & Kashmir	-1540.58	-1643.95	-2260.59	-2245.73	-1853.25
10	Jharkhand	-959.95	-1270.12	-1598.48	-1851.71	-3792.60
11	Karnataka	-1737.98	-381.64	-659.23	-1192.89	-593.27
12	Kerala	-986.78	-1043.07	-1693.45	-3323.68	-2517.95
13	Madhya Pradesh	-4429.04	-3987.11	-5908.40	-6114.16	-5075.64
14	Maharashtra	-1183.07	-1070.10	-15.91	1043.05	1147.00
15	Meghalaya	32.38	-79.03	-185.00	-185.08	-157.34
16	Orissa	-351.00	-663.00	-1119.00		
17	Punjab	-4694.13	-5400.43	-4775.93	-6005.63	-7532.60
18	Rajasthan	-11996.23	-11583.88	-13264.28	-13946.70	-10642.75
19	Tamil Nadu	-11966.51	-14317.53	-16389.71	-13770.72	-9603.54
20	Uttar Pradesh	-8202.50	-9011.42	-16066.30	-14193.95	-12436.89
21	Uttarakhand	-527.48	-218.65	-573.88	-734.47	-973.58
22	West Bengal	100.75	113.83	102.62	104.75	177.74
Sub-total I		-63492.3	-65019.7	-92443.1	-85567.1	-70256.6
II. EDs						
1	Arunachal Pradesh	-212.12	-182.30	-263.79	-234.70	-244.77
2	Goa	117.54	26.93	-167.61	-80.12	72.57
3	Manipur	-134.21	-193.93	-295.35	-297.97	-348.86
4	Mizoram	-142.12	-158.43	-125.59	-141.07	-116.63
5	Nagaland	-114.20	-175.20	-201.33	-220.56	-223.24
6	Pondicherry	-47.21	-135.29	-165.45	-161.16	-88.77
7	Sikkim	135.44	-13.47	-8.99	-11.58	-11.46
8	Tripura	-25.64	-145.57	-196.75	-191.98	-53.00
Sub-total II		-422.5	-977.3	-1424.9	-1339.1	-1014.2
Total		-63914.9	-65997.0	-93868.0	-86906.2	-71270.8

SUBSIDY FOR AGRICULTURAL CONSUMERS

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I SPUs

(Rs.Crore)

1	Andhra Pradesh	7192	7215	9423	11177	12321
2	Assam	5	8	8	9	7
3	Bihar	515	248	364	243	230
4	Chhatisgarh	502	452	684	714	687
5	Gujarat	2618	3339	3454	3893	4322
6	Haryana	4983	4271	6994	5202	5436
7	Himachal Pradesh	-3	-1	19	20	19
8	Jammu & Kashmir	152	110	99	136	125
9	Jharkhand	30	32	37	49	65
10	Karnataka	3134	1969	3057	3540	3756
11	Kerala	85	79	108	149	126
12	Madhya Pradesh	1879	1859	2639	3126	3044
13	Maharashtra	3715	4742	6710	6837	8494
14	Meghalaya	0	0	0	0	0
15	Punjab	4485	4283	4919	6236	6958
16	Rajasthan	6961	6975	8439	9693	9893
17	Tamil Nadu	6267	5568	6193	6395	6009
18	Uttar Pradesh	2495	2837	4173	4252	4999
19	Uttrakhand	81	71	90	97	112
20	West Bengal	400	568	459	252	357

Sub-total I	45496.0	44625.0	57869.0	62020.0	66960.0
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II. EDs

1	Arunachal Pradesh	0	0	0	0	0
2	Goa	3	4	5	5	5
3	Manipur	0	0	0	1	1
4	Mizoram	0	0	0	0	0
5	Nagaland	0	0	0	0	0
6	Pondicherry	22	25	20	23	23
7	Sikkim	0	0	0	0	0
8	Tripura	9	8	7	4	-1

Sub-total II	34.0	37.0	32.0	33.0	28.0
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Total	45530.0	44662.0	57901.0	62053.0	66988.0
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SUBSIDY FOR AGRICULTURAL SALES AFTER INTRODUCTION OF 50 PAISE/kWh

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I. SPUs

(Rs.Crore)

1	Andhra Pradesh	6445	6535	8656	10490	12184
2	Assam	5	8	8	9	7
3	Bihar	515	248	364	243	230
4	Chhatisgarh	502	452	684	714	687
5	Gujarat	2618	3339	3454	3893	4322
6	Haryana	4853	4201	6935	5186	5404
7	Himachal Pradesh	-3	-1	17	18	17
8	Jammu & Kashmir	152	110	99	136	125
9	Jharkhand	30	32	37	49	65
10	Karnataka	3134	1969	3057	3540	3756
11	Kerala	85	79	108	149	126
12	Madhya Pradesh	1879	1859	2639	3126	3044
13	Maharashtra	3715	4742	6710	6837	8494
14	Meghalaya	0	0	0	0	0
15	Punjab	3953	4297	4409	6236	6958
16	Rajasthan	6961	6975	8439	9693	9893
17	Tamil Nadu	5646	5097	5687	5947	5544
18	Uttar Pradesh	2495	2837	4173	4252	4999
19	Uttarakhand	81	71	90	97	112
20	West Bengal	400	568	459	252	357

Sub-total I	43466.0	43418.0	56025.0	60867.0	66324.0
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II. EDs

1	Arunachal Pradesh	0	0	0	0	0
2	Goa	3	4	5	5	5
3	Manipur	0	0	0	1	1
4	Mizoram	0	0	0	0	0
5	Nagaland	0	0	0	0	0
6	Pondicherry	18	21	17	20	20
7	Sikkim	0	0	0	0	0
8	Tripura	9	8	7	4	-1

Sub-total II	30.0	33.0	29.0	30.0	25.0
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Total	43496.0	43451.0	56054.0	60897.0	66349.0
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SUBSIDY RECEIVED FROM STATE GOVERNMENT

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I. SPUs

(Rs.Crore)

1	Andhra Pradesh	6709.10	5855.70	8125.70	5358.70	5358.70
2	Assam	0.00	252.00	150.00	150.00	0.00
3	Bihar	840.00	1080.00	2120.20	2763.60	2630.60
4	Chhatisgarh	150.10	202.10	311.10	454.00	479.60
5	Gujarat	1100.00	1100.90	1099.80	1100.00	1100.00
6	Haryana	3288.70	3047.30	3369.00	5277.50	6618.20
7	Himachal Pradesh	0.20	0.10	0.00	0.00	0.00
8	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
9	Jharkhand	400.00	450.00	750.00	1000.00	1500.00
10	Karnataka	1480.10	391.50	695.50	1364.30	822.50
11	Kerala	0.00	54.16	0.04	0.00	0.00
12	Madhya Pradesh	1433.60	1467.20	1717.90	2200.00	2317.00
13	Maharashtra	400.00	28.10	0.00	0.00	0.00
14	Meghalaya	12.30	12.30	13.40	15.40	16.10
15	Punjab	3144.30	3375.60	4182.00	5427.30	5922.40
16	Rajasthan	1110.40	1200.70	1759.90	1326.10	1532.50
17	Tamil Nadu	1672.20	1652.60	2084.30	4531.00	5403.40
18	Uttar Pradesh	1831.80	2040.00	3636.80	4500.00	6371.40
19	Uttrakhand	0.00	0.00	0.00	0.00	0.00
20	West Bengal	0.00	0.00	0.00	0.00	0.00

Sub-Total : (I)	23572.8	22210.3	30015.6	35467.9	40072.4
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II. EDs

1	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
2	Goa	0.00	0.00	0.00	0.00	0.00
3	Manipur	0.00	0.00	0.00	0.00	0.00
4	Mizoram	0.00	0.00	0.00	0.00	0.00
5	Nagaland	0.00	0.00	0.00	0.00	0.00
6	Pondicherry	0.20	1.50	1.20	0.00	0.00
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	28.00	19.80	40.00	40.00	50.00

Sub-Total : (II)	28.2	21.3	41.2	40.0	50.0
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Total (I+II) :	23601.0	22231.6	30056.8	35507.9	40122.4
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SUBSIDY FOR DOMESTIC CONSUMERS

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I SPUs

(Rs.Crore)

1	Andhra Pradesh	1711.0	1810.0	3287.0	3232.0	1971.0
2	Assam	220.0	322.0	366.0	396.0	332.0
3	Bihar	1044.0	1380.0	2017.0	1809.0	1827.0
4	Chhattisgarh	456.0	521.0	673.0	588.0	521.0
5	Gujarat	42.0	342.0	345.0	355.0	525.0
6	Haryana	1098.0	1054.0	2515.0	2281.0	2540.0
7	Himachal Pradesh	210.0	275.0	317.0	530.0	524.0
8	Jammu & Kashmir	694.0	676.0	1001.0	936.0	804.0
9	Jharkhand	961.0	1052.0	1255.0	1159.0	2246.0
10	Karnataka	520.0	825.0	789.0	2304.0	2321.0
11	Kerala	1677.0	1767.0	2198.0	1652.0	1108.0
12	Madhya Pradesh	954.0	767.0	1184.0	842.0	138.0
13	Maharashtra	618.0	199.0	1096.0	3628.0	3995.0
14	Meghalaya	36.0	58.0	97.0	65.0	36.0
15	Punjab	960.0	1266.0	903.0	2982.0	3375.0
16	Rajasthan	1908.0	1973.0	2144.0	3500.0	2411.0
17	Tamil Nadu	5224.0	7003.0	7820.0	7810.0	8868.0
18	Uttar Pradesh	4390.0	4495.0	7061.0	2610.0	3733.0
19	Uttrakhand	307.0	237.0	360.0	904.0	1015.0
20	West Bengal	539.0	258.0	809.0	1520.0	1462.0

Sub-total (SPUs)	23569.0	26280.0	36237.0	39103.0	39752.0
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II. EDs

1	Arunachal Pradesh	55.0	35.0	96.0	93.0	82.0
2	Goa	89.0	118.0	169.0	75.0	37.0
3	Manipur	66.0	80.0	126.0	117.0	136.0
4	Mizoram	94.0	98.0	89.0	140.0	127.0
5	Nagaland	74.0	97.0	113.0	159.0	140.0
6	Pondicherry	92.0	114.0	140.0	34.0	38.0
7	Sikkim	6.0	8.0	8.0	22.0	21.0
8	Tripura	22.0	50.0	69.0	133.0	113.0

Sub-total (EDs)	498.0	600.0	810.0	773.0	694.0
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Total	24067.0	26880.0	37047.0	39876.0	40446.0
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SUBSIDY FOR INTER-STATE SALES

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I SPUs

(Rs.Crore)

1	Andhra Pradesh	304.8	567.6	-173.9	0.0	0.0
2	Assam	35.5	161.6	64.4	36.1	296.0
3	Bihar	182.8	381.2	942.8	269.7	244.2
4	Chhatisgarh	-532.0	-66.7	60.9	76.8	1009.3
5	Gujarat	-407.4	241.5	685.7	637.1	714.4
6	Haryana	399.0	843.0	1688.8	2638.8	4780.9
7	Himachal Pradesh	-244.8	-61.7	-22.0	-6.0	-43.8
8	Jammu & Kashmir	0.0	0.0	0.0	0.0	0.0
9	Jharkhand	29.1	191.6	131.0	0.0	0.0
10	Karnataka	0.0	0.0	0.0	0.0	0.0
11	Kerala	-33.8	-80.7	30.7	0.0	0.0
12	Madhya Pradesh	0.0	0.0	0.0	0.0	2629.5
13	Maharashtra	0.0	0.0	0.0	0.0	0.0
14	Meghalaya	8.8	46.7	41.1	54.5	83.4
15	Punjab	182.4	119.9	150.8	56.7	62.6
16	Rajasthan	176.7	65.5	86.6	159.6	141.7
17	Tamil Nadu	308.4	-190.5	125.3	166.4	167.7
18	Uttar Pradesh	0.0	0.0	0.0	0.0	0.0
19	Uttarakhand	-0.1	-0.1	0.0	0.0	0.0
20	West Bengal	61.3	359.1	-343.5	496.9	1696.0

Sub-total (SPUs)	470.9	2577.8	3468.8	4586.6	11781.8
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II. EDs

1	Arunachal Pradesh	65.8	78.3	58.9	38.0	83.0
2	Goa	15.6	16.7	47.5	13.8	-0.6
3	Manipur	29.6	61.2	76.1	69.2	79.8
4	Mizoram	18.0	43.2	34.8	37.2	38.4
5	Nagaland	17.8	38.8	40.2	32.5	54.5
6	Pondicherry	-28.4	17.1	12.3	31.0	32.2
7	Sikkim	-154.8	-26.8	21.8	35.2	42.8
8	Tripura	-18.8	71.4	82.4	65.2	72.2

Sub-total (EDs)	-55.1	299.9	374.1	322.1	402.3
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Total	415.7	2877.7	3842.9	4908.6	12184.1
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Uncovered Subsidy for 2009-10

S.No.	State/EDs	Subsidy Agri.	Subsidy Domestic	Subsidy Interstate	Gross Subsidy	Subvention from the State	Net Subsidy	Surplus from Other Users	Uncovered Subsidy
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I. SPUs

(Rs. crore)

1	Andhra Pradesh	7192.3	1711.1	304.8	9208.3	6709.1	2499.2	1081.9	1417.2
2	Assam	5.0	220.0	35.5	260.5	0.0	260.5	-142.9	403.3
3	Bihar	515.4	1044.3	182.8	1742.5	840.0	902.5	-745.4	1647.9
4	Chhattisgarh	501.9	455.7	-532.0	425.6	150.1	275.5	-282.6	558.1
5	Gujarat	2617.9	41.8	-407.4	2252.3	1100.0	1152.3	945.3	207.0
6	Haryana	4982.9	1097.7	399.0	6479.6	3288.7	3190.9	442.9	2748.0
7	Himachal Pradesh	-3.2	210.4	-244.8	-37.7	0.2	-37.9	-368.3	330.4
8	Jammu & Kashmir	152.0	694.3	0.0	846.3	0.0	846.3	-695.6	1541.9
9	Jharkhand	29.7	961.3	29.1	1020.0	400.0	620.0	-227.4	847.4
10	Karnataka	3134.3	519.9	0.0	3654.2	1480.1	2174.1	1700.8	473.3
11	Kerala	84.7	1677.2	-33.8	1728.0	0.0	1728.0	304.5	1423.5
12	Madhya Pradesh	1878.7	953.9	0.0	2832.6	1433.6	1399.0	-2270.5	3669.5
13	Maharashtra	3715.5	618.1	0.0	4333.5	400.0	3933.5	2004.2	1929.4
14	Meghalaya	0.2	36.1	8.8	45.2	12.3	32.9	14.2	18.7
15	Punjab	4484.7	960.3	182.4	5627.4	3144.3	2483.1	173.0	2310.1
16	Rajasthan	6960.9	1907.6	176.7	9045.2	1110.4	7934.8	-3356.6	11291.5
17	Tamil Nadu	6267.3	5223.7	308.4	11799.5	1672.2	10127.3	-578.0	10705.3
18	Uttar Pradesh	2494.5	4390.2	0.0	6884.8	1831.8	5053.0	-1900.4	6953.3
19	Uttrakhand	80.7	306.5	-0.1	387.2	0.0	387.2	-366.7	753.9
20	West Bengal	399.7	538.9	61.3	999.9	0.0	999.9	109.8	890.1

Sub-total (SPUs)	45494.8	23569.0	470.9	69534.7	23572.7	45962.0	-4157.7	50119.7
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II. EDs

1	Arunachal Pradesh	0.0	55.4	65.8	121.3	0.0	121.3	-91.1	212.4
2	Goa	2.9	89.0	15.6	107.5	0.0	107.5	212.3	-104.8
3	Manipur	0.3	66.4	29.6	96.3	0.0	96.3	-38.0	134.3
4	Mizoram	0.5	93.6	18.0	112.1	0.0	112.1	-31.7	143.8
5	Nagaland	0.0	73.9	17.8	91.7	0.0	91.7	-22.9	114.6
6	Pondicherry	21.6	92.1	-28.4	85.2	0.2	85.0	31.3	53.8
7	Sikkim	0.0	6.0	-154.8	-148.8	0.0	-148.8	-13.3	-135.4
8	Tripura	9.1	22.1	-18.8	12.4	28.0	-15.6	-14.4	-1.2

Sub-total (EDs)	34.4	498.5	-55.1	477.8	28.2	449.6	32.2	417.4
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Total	45529.2	24067.5	415.7	70012.5	23600.9	46411.6	-4125.5	50537.1
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Uncovered Subsidy for 2010-11

S.No.	State/EDs	Subsidy Agri.	Subsidy Domestic	Subsidy Interstate	Gross Subsidy	Subvention from the State	Net Subsidy	Surplus from Other Users	Uncovered Subsidy
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I. SPUs

(Rs. crore)

1	Andhra Pradesh	7215.3	1809.9	567.6	9592.8	5855.7	3737.1	2050.7	1686.4
2	Assam	7.8	322.1	161.6	491.5	252.0	239.5	-355.0	594.4
3	Bihar	247.8	1380.2	381.2	2009.2	1080.0	929.2	-901.3	1830.5
4	Chhattisgarh	452.4	520.7	-66.7	906.4	202.1	704.3	-72.0	776.3
5	Gujarat	3338.7	342.1	241.5	3922.3	1100.9	2821.4	2229.1	592.3
6	Haryana	4271.4	1053.7	843.0	6168.1	3047.3	3120.7	1357.4	1763.3
7	Himachal Pradesh	-0.9	274.9	-61.7	212.3	0.1	212.2	-501.6	713.8
8	Jammu & Kashmir	110.4	676.3	0.0	786.7	0.0	786.7	-859.1	1645.9
9	Jharkhand	31.9	1052.3	191.6	1275.8	450.0	825.8	-198.5	1024.3
10	Karnataka	1968.7	824.7	0.0	2793.4	391.5	2401.8	1756.3	645.5
11	Kerala	78.8	1767.4	-80.7	1765.4	54.2	1711.3	279.6	1431.7
12	Madhya Pradesh	1858.7	766.8	0.0	2625.5	1467.2	1158.4	-1865.6	3024.0
13	Maharashtra	4741.8	199.0	0.0	4940.8	28.1	4912.8	2619.0	2293.7
14	Meghalaya	0.1	57.7	46.7	104.5	12.3	92.2	-61.8	153.9
15	Punjab	4283.1	1265.7	119.9	5668.7	3375.6	2293.1	-385.3	2678.5
16	Rajasthan	6975.0	1972.8	65.5	9013.2	1200.7	7812.5	-3007.0	10819.6
17	Tamil Nadu	5567.8	7002.7	-190.5	12380.0	1652.6	10727.4	-2389.9	13117.3
18	Uttar Pradesh	2836.7	4495.2	0.0	7331.8	2040.0	5291.8	-2284.3	7576.1
19	Uttrakhand	70.6	237.3	-0.1	307.7	0.0	307.7	39.6	268.2
20	West Bengal	567.8	258.1	359.1	1185.0	0.0	1185.0	1021.2	163.8

Sub-total (SPUs) 44623.7 26279.6 2577.8 73481.0 22210.2 51270.9 -1528.3 52799.2

II. EDs

1	Arunachal Pradesh	0.0	34.9	78.3	113.1	0.0	113.1	-69.5	182.7
2	Goa	3.6	118.1	8.9	130.5	0.0	130.5	155.6	-25.1
3	Manipur	0.4	79.8	59.6	139.8	0.0	139.8	-52.5	192.4
4	Mizoram	0.1	98.1	34.3	132.4	0.0	132.4	-18.7	151.2
5	Nagaland	0.0	97.3	19.4	116.7	0.0	116.7	-39.6	156.3
6	Pondicherry	24.6	114.5	9.9	148.9	1.5	147.4	12.9	134.5
7	Sikkim	0.0	8.1	-63.9	-55.8	0.0	-55.8	-32.1	-23.7
8	Tripura	8.1	49.6	40.7	98.4	19.8	78.7	-17.6	96.2

Sub-total (EDs) 36.8 600.4 187.1 824.2 21.3 802.9 -61.5 864.4

Total 44660.5 26880.0 2764.8 74305.2 22231.4 52073.8 -1589.8 53663.6

Uncovered Subsidy for 2011-12

S.No.	State/EDs	Subsidy Agri.	Subsidy Domestic	Subsidy Interstate	Gross Subsidy	Subvention from the State	Net Subsidy	Surplus from Other Users	Uncovered Subsidy
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I. SPUs

(Rs. crore)

1	Andhra Pradesh	9422.8	1711.1	-173.9	10960.0	8125.7	2834.4	2579.7	254.7
2	Assam	7.8	220.0	64.4	292.2	150.0	142.2	-298.8	441.0
3	Bihar	363.7	1044.3	942.8	2350.8	2120.2	230.6	-1408.5	1639.1
4	Chhatisgarh	684.3	455.7	60.9	1200.9	311.1	889.8	-459.9	1349.8
5	Gujarat	3454.1	41.8	685.7	4181.6	1099.8	3081.8	2688.5	393.3
6	Haryana	6993.9	1097.7	1688.8	9780.4	3369.0	6411.4	-3087.1	9498.5
7	Himachal Pradesh	18.9	210.4	-22.0	207.3	0.0	207.3	-477.8	685.1
8	Jammu & Kashmir	99.2	694.3	0.0	793.4	0.0	793.4	-1162.5	1956.0
9	Jharkhand	37.0	961.3	131.0	1129.3	750.0	379.3	-383.0	762.3
10	Karnataka	3056.7	519.9	0.0	3576.6	695.5	2881.2	2170.7	710.4
11	Kerala	107.8	1677.2	30.7	1815.7	0.0	1815.7	192.1	1623.6
12	Madhya Pradesh	2639.4	953.9	0.0	3593.3	1717.9	1875.4	-2689.2	4564.6
13	Maharashtra	6709.8	618.1	0.0	7327.9	0.0	7327.9	5273.1	2054.8
14	Meghalaya	0.2	36.1	41.1	77.4	13.4	64.0	-156.4	220.4
15	Punjab	4919.4	960.3	150.8	6030.4	4182.0	1848.4	368.2	1480.3
16	Rajasthan	8438.6	1907.6	86.6	10432.8	1759.9	8672.9	-3081.3	11754.2
17	Tamil Nadu	6192.8	5223.7	125.3	11541.8	2084.3	9457.5	-2534.8	11992.3
18	Uttar Pradesh	4172.9	4390.2	0.0	8563.1	3636.8	4926.3	-4953.9	9880.2
19	Uttrakhand	89.8	306.5	0.0	396.3	0.0	396.3	-270.4	666.7
20	West Bengal	459.4	538.9	-343.5	654.7	0.0	654.7	-903.7	1558.4

Sub-total (SPUs) 57868.2 23569.0 3468.8 84906.0 30015.6 54890.3 -8595.2 63485.6

II. EDs

1	Arunachal Pradesh	0.0	55.4	58.9	114.4	0.0	114.4	-109.4	223.7
2	Goa	5.3	89.0	47.5	141.8	0.0	141.8	45.9	95.9
3	Manipur	0.4	66.4	76.1	143.0	0.0	143.0	-93.3	236.3
4	Mizoram	0.1	93.6	34.8	128.5	0.0	128.5	-4.5	133.0
5	Nagaland	0.0	73.9	40.2	114.2	0.0	114.2	-48.9	163.0
6	Pondicherry	20.2	92.1	12.3	124.6	1.2	123.4	2.7	120.7
7	Sikkim	0.0	6.0	21.8	27.8	0.0	27.8	20.5	7.3
8	Tripura	6.8	22.1	82.4	111.4	40.0	71.4	-40.0	111.4

Sub-total (EDs) 32.9 498.5 374.1 905.5 41.2 864.3 -227.0 1091.2

Total 57901.0 24067.5 3842.9 85811.5 30056.8 55754.6 -8822.2 64576.8

Uncovered Subsidy for 2012-13 (R.E)

S.No.	State/EDs	Subsidy Agri.	Subsidy Domestic	Subsidy Interstate	Gross Subsidy	Subvention from the State	Net Subsidy	Surplus from Other Users	Uncovered Subsidy
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I. SPUs

(Rs. crore)

1	Andhra Pradesh	11177.4	1809.9	0.0	12987.3	5358.7	7628.7	5626.7	2001.9
2	Assam	8.8	322.1	36.1	367.0	150.0	217.0	-329.2	546.2
3	Bihar	243.2	1380.2	269.7	1893.1	2763.6	-870.5	-948.3	77.8
4	Chhatisgarh	713.9	520.7	76.8	1311.4	454.0	857.3	102.7	754.7
5	Gujarat	3893.2	342.1	637.1	4872.5	1100.0	3772.5	2859.1	913.4
6	Haryana	5202.0	1053.7	2638.8	8894.5	5277.5	3617.0	-582.9	4200.0
7	Himachal Pradesh	19.7	274.9	-6.0	288.5	0.0	288.5	-569.6	858.2
8	Jammu & Kashmir	135.9	676.3	0.0	812.2	0.0	812.2	-1121.7	1933.8
9	Jharkhand	48.8	1052.3	0.0	1101.2	1000.0	101.2	-694.8	795.9
10	Karnataka	3540.3	824.7	0.0	4365.0	1364.3	3000.7	2462.1	538.6
11	Kerala	148.6	1767.4	0.0	1915.9	0.0	1915.9	-204.9	2120.8
12	Madhya Pradesh	3125.6	766.8	0.0	3892.4	2200.0	1692.4	-2282.9	3975.3
13	Maharashtra	6836.8	199.0	0.0	7035.9	0.0	7035.9	7592.0	-556.2
14	Meghalaya	0.2	57.7	54.5	112.4	15.4	97.1	-149.4	246.5
15	Punjab	6236.3	1265.7	56.7	7558.7	5427.3	2131.4	641.5	1489.9
16	Rajasthan	9693.0	1972.8	159.6	11825.4	1326.1	10499.3	-3554.0	14053.3
17	Tamil Nadu	6394.7	7002.7	166.4	13563.8	4531.0	9032.8	567.1	8465.6
18	Uttar Pradesh	4252.5	4495.2	0.0	8747.7	4500.0	4247.7	-2725.2	6972.9
19	Uttrakhand	97.0	237.3	0.0	334.3	0.0	334.3	-511.8	846.1
20	West Bengal	251.8	258.1	496.9	1006.8	0.0	1006.8	-78.8	1085.6

Sub-total (SPUs) 62019.7 26279.6 4586.6 92885.9 35467.9 57418.0 6097.7 51320.3

II. EDs

1	Arunachal Pradesh	0.0	34.9	38.0	72.9	0.0	72.9	-115.8	188.6
2	Goa	5.3	118.1	13.8	137.1	0.0	137.1	64.2	72.9
3	Manipur	0.7	79.8	69.2	149.8	0.0	149.8	-94.4	244.1
4	Mizoram	0.1	98.1	37.2	135.4	0.0	135.4	-3.3	138.7
5	Nagaland	0.0	97.3	32.5	129.8	0.0	129.8	-47.7	177.5
6	Pondicherry	22.7	114.5	31.0	168.2	0.0	168.2	55.3	112.9
7	Sikkim	0.0	8.1	35.2	43.3	0.0	43.3	29.3	14.0
8	Tripura	4.4	49.6	65.2	119.3	40.0	79.3	-34.5	113.8

Sub-total (EDs) 33.3 600.4 322.1 955.7 40.0 915.7 -146.7 1062.4

Total 62053.0 26880.0 4908.6 93841.6 35507.9 58333.7 5951.0 52382.7

Uncovered Subsidy for 2013-14

S.No.	State/EDs	Subsidy Agri.	Subsidy Domestic	Subsidy Interstate	Gross Subsidy	Subvention from the State	Net Subsidy	Surplus from Other Users	Uncovered Subsidy
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I. SPUs

(Rs. crore)

1	Andhra Pradesh	12320.70	1971.39	0.00	14292.09	5358.67	8933.42	12895.23	-3961.81
2	Assam	7.30	332.09	295.98	635.37	0.00	635.37	-191.22	826.59
3	Bihar	229.84	1826.90	244.19	2300.93	2630.61	-329.68	-405.23	75.55
4	Chhattisgarh	686.82	521.48	1009.25	2217.55	479.58	1737.97	394.22	1343.75
5	Gujarat	4322.05	524.99	714.36	5561.40	1100.00	4461.40	3275.38	1186.02
6	Haryana	5436.44	2539.56	4780.86	12756.86	6618.20	6138.66	-316.48	6455.14
7	Himachal Pradesh	19.03	524.30	-43.76	499.57	0.00	499.57	-432.27	931.84
8	Jammu & Kashmir	124.70	804.29	0.00	928.99	0.00	928.99	-834.36	1763.35
9	Jharkhand	65.13	2246.21	0.00	2311.34	1500.00	811.34	-1471.22	2282.56
10	Karnataka	3755.81	2321.28	0.00	6077.09	822.53	5254.56	3179.66	2074.91
11	Kerala	125.88	1107.66	0.00	1233.53	0.00	1233.53	140.07	1093.46
12	Madhya Pradesh	3044.26	137.94	2629.51	5811.72	2317.00	3494.72	-1129.58	4624.30
13	Maharashtra	8494.12	3994.72	0.00	12488.84	0.00	12488.84	9197.47	3291.37
14	Meghalaya	0.17	35.60	83.41	119.18	16.13	103.05	-116.27	219.32
15	Punjab	6958.46	3375.45	62.62	10396.53	5922.41	4474.12	194.33	4279.79
16	Rajasthan	9893.12	2410.80	141.67	12445.58	1532.53	10913.05	-1320.61	12233.66
17	Tamil Nadu	6009.09	8868.15	167.74	15044.98	5403.36	9641.62	4659.70	4981.92
18	Uttar Pradesh	4999.28	3733.40	0.00	8732.68	6371.38	2361.31	-1472.20	3833.51
19	Uttrakhand	111.60	1015.22	0.00	1126.82	0.00	1126.82	-673.05	1799.87
20	West Bengal	356.93	1461.57	1695.97	3514.47	0.00	3514.47	1682.96	1831.50

Sub-total (SPUs) 66960.7 39753.0 11781.8 118495.5 40072.4 78423.1 27256.5 51166.6

II. EDs

1	Arunachal Pradesh	0.00	82.22	82.98	165.20	0.00	165.20	-95.03	260.23
2	Goa	4.78	37.34	-0.64	41.49	0.00	41.49	163.70	-122.21
3	Manipur	0.94	136.41	79.76	217.10	0.00	217.10	-109.86	326.96
4	Mizoram	0.09	127.08	38.39	165.55	0.00	165.55	6.92	158.63
5	Nagaland	0.04	139.91	54.54	194.49	0.00	194.49	-44.70	239.20
6	Pondicherry	22.81	38.01	32.21	93.04	0.00	93.04	127.37	-34.34
7	Sikkim	0.00	20.90	42.84	63.75	0.00	63.75	34.59	29.16
8	Tripura	-0.75	113.14	72.22	184.62	50.00	134.62	87.97	46.65

Sub-total (EDs) 27.9 695.0 402.3 1125.2 50.0 1075.2 171.0 904.3

Total 66988.6 40448.0 12184.1 119620.8 40122.4 79498.4 27427.5 52070.9

SUBSIDY TO SALES REVENUE RATIO (WITH CROSS SUBSIDISATION)

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I. SPUs

(%)

1	Andhra Pradesh	50.85	37.48	41.51	31.46	2.91
2	Assam	27.54	49.87	36.25	33.95	31.57
3	Bihar	135.32	122.50	152.26	91.81	52.15
4	Chhattisgarh	18.54	24.70	43.43	22.79	22.58
5	Gujarat	8.08	8.79	7.75	7.83	7.85
6	Haryana	74.82	48.15	151.13	82.80	80.99
7	Himachal Pradesh	11.51	21.40	21.52	28.71	22.76
8	Jammu & Kashmir	166.13	139.39	158.39	93.26	70.53
9	Jharkhand	75.71	73.37	79.75	62.76	104.32
10	Karnataka	16.46	6.50	9.11	15.86	11.87
11	Kerala	29.99	28.58	38.34	26.26	13.42
12	Madhya Pradesh	72.28	49.03	59.64	44.73	34.08
13	Maharashtra	8.43	6.99	6.40	5.86	5.86
14	Meghalaya	7.54	44.59	72.70	54.47	32.90
15	Punjab	65.36	61.82	50.00	62.89	69.65
16	Rajasthan	130.16	113.39	111.29	113.90	67.51
17	Tamil Nadu	73.85	73.86	80.24	52.97	29.02
18	Uttar Pradesh	71.57	61.33	91.82	40.02	31.49
19	Uttrakhand	41.76	10.15	23.84	43.93	48.02
20	West Bengal	11.36	1.67	15.37	15.18	11.30

Average of SPUs	38.6	33.8	47.6	31.8	24.6
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II. EDs

1	Arunachal Pradesh	271.84	190.08	253.02	192.45	137.75
2	Goa	-11.09	-1.73	4.46	2.76	-11.29
3	Manipur	143.90	174.82	249.43	207.94	190.43
4	Mizoram	217.79	226.29	125.06	113.68	84.41
5	Nagaland	126.54	178.18	185.44	177.40	146.00
6	Pondicherry	9.71	21.93	8.01	3.27	-3.04
7	Sikkim	-43.30	6.43	9.06	10.59	10.89
8	Tripura	9.67	47.92	69.60	56.49	12.97

Average of EDs	18.4	39.2	47.3	42.1	28.0
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All India Average	46.1	39.8	51.3	33.5	27.0
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SUBSIDY TO SALES REVENUE RATIO (WITHOUT CROSS SUBSIDISATION)

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I. SPUs

(%)

1	Andhra Pradesh	57.62	47.67	52.27	51.61	29.80
2	Assam	17.79	28.96	21.55	19.44	24.27
3	Bihar	94.78	84.56	106.94	65.19	44.34
4	Chhattisgarh	11.14	22.89	32.79	24.62	27.46
5	Gujarat	13.93	20.36	19.36	18.88	19.10
6	Haryana	80.31	61.74	118.47	78.29	79.03
7	Himachal Pradesh	-1.31	6.36	8.54	14.02	12.20
8	Jammu & Kashmir	91.18	66.63	77.02	45.57	37.16
9	Jharkhand	61.91	63.49	62.84	39.84	63.75
10	Karnataka	30.79	17.51	20.91	27.40	24.90
11	Kerala	36.40	33.96	41.77	23.58	15.14
12	Madhya Pradesh	40.12	28.66	35.01	28.39	28.53
13	Maharashtra	15.68	14.87	19.73	21.35	22.23
14	Meghalaya	10.99	28.02	34.09	24.22	16.65
15	Punjab	67.43	57.89	53.28	67.56	70.97
16	Rajasthan	94.93	85.03	86.35	89.96	61.03
17	Tamil Nadu	70.40	61.91	68.04	55.15	42.04
18	Uttar Pradesh	56.09	46.76	63.72	28.65	26.95
19	Uttrakhand	21.45	11.65	14.88	29.07	30.07
20	West Bengal	12.76	12.12	7.77	14.67	21.68

Average of SPUs	36.3	33.4	43.4	33.8	32.4
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II. EDs

1	Arunachal Pradesh	155.21	117.73	142.56	102.22	87.45
2	Goa	11.37	13.83	9.08	8.65	3.83
3	Manipur	103.19	127.49	173.45	138.15	126.45
4	Mizoram	169.84	199.82	121.68	111.59	88.10
5	Nagaland	101.27	138.07	145.87	142.05	118.71
6	Pondicherry	15.33	23.89	8.32	8.80	8.24
7	Sikkim	-47.56	-8.90	17.43	21.72	23.80
8	Tripura	4.49	42.19	58.12	48.28	24.78

Average of EDs	13.2	29.6	33.4	32.6	27.5
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All India Average	42.9	38.4	46.9	35.3	34.7
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SURPLUS GENERATED BY SALES TO OTHER SECTORS

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I. SPUs

(Rs.crore)

1	Andhra Pradesh	1081.90	2050.70	2579.70	5626.70	12895.20
2	Assam	-142.90	-354.90	-298.80	-329.20	-191.20
3	Bihar	-745.40	-901.30	-1408.50	-948.30	-405.20
4	Chhatisgarh	-282.60	-72.00	-459.90	102.70	394.20
5	Gujarat	945.30	2229.10	2688.50	2859.10	3275.40
6	Haryana	442.90	1357.40	-3087.10	-582.90	-316.50
7	Himachal Pradesh	-368.20	-501.50	-477.80	-569.60	-432.30
8	Jammu & Kashmir	-695.60	-859.10	-1162.50	-1121.70	-834.40
9	Jharkhand	-227.40	-198.50	-383.00	-694.80	-1471.20
10	Karnataka	1700.80	1756.30	2170.70	2462.10	3179.70
11	Kerala	304.40	279.60	192.10	-204.90	140.10
12	Madhya Pradesh	-2270.50	-1865.60	-2689.20	-2282.90	-1129.60
13	Maharashtra	2004.20	2619.00	5273.10	7592.00	9197.50
14	Meghalaya	14.20	-61.80	-156.40	-149.40	-116.30
15	Punjab	173.00	-385.30	368.10	641.50	194.30
16	Rajasthan	-3356.60	-3007.00	-3081.30	-3553.90	-1320.60
17	Tamil Nadu	-578.00	-2389.90	-2534.80	567.10	4659.70
18	Uttar Pradesh	-1900.40	-2284.30	-4953.90	-2725.20	-1472.20
19	Uttrakhand	-366.70	39.60	-270.40	-511.80	-673.00
20	West Bengal	109.80	1021.20	-903.70	-78.80	1683.00

Sub-total (SPUs)	-4157.8	-1528.3	-8595.1	6097.8	27256.6
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II. EDs

1	Arunachal Pradesh	-91.10	-69.50	-109.30	-115.80	-95.00
2	Goa	212.30	155.60	45.90	64.20	163.70
3	Manipur	-38.00	-52.50	-93.30	-94.30	-109.90
4	Mizoram	-31.70	-18.70	-4.50	-3.30	6.90
5	Nagaland	-22.90	-39.60	-48.90	-47.70	-44.70
6	Pondicherry	31.30	12.90	2.70	55.30	127.40
7	Sikkim	-13.30	-32.10	20.50	29.30	34.60
8	Tripura	-14.40	-17.50	-40.00	-34.50	88.00

Sub-total (EDs)	32.2	-61.4	-226.9	-146.8	171.0
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Total	-4125.6	-1589.7	-8822.0	5951.0	27427.6
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NET INTERNAL RESOURCES

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13	2013-14
				(R.E)	(AP)

I. SPUs

(Rs.crore)

1	Andhra Pradesh	1153.7	1326.4	1417.5	-1627.9	5299.1
2	Assam	-151.4	-270.4	-232.7	-117.3	-333.8
3	Bihar	-603.1	-546.7	-531.5	432.8	665.9
4	Chhattisgarh	114.8	-237.9	-247.5	355.5	137.3
5	Gujarat	807.0	1462.7	2125.8	4387.2	4699.7
6	Haryana	-3273.8	-3607.6	-13544.7	-3668.4	-2911.9
7	Himachal Pradesh	-485.0	-1152.5	-1363.9	-1688.9	-1211.5
8	Jammu & Kashmir	-2062.5	-2098.5	-2943.6	-2182.9	-2011.6
9	Jharkhand	-1763.8	-880.6	-693.1	-781.1	-2228.2
10	Karnataka	-1140.2	-1657.5	65.3	118.7	1000.1
11	Kerala	416.6	-790.0	-361.1	190.1	771.5
12	Madhya Pradesh	-2044.3	-2241.7	-3786.4	-3259.7	-2373.6
13	Maharashtra	867.5	161.4	246.6	2167.3	2372.0
14	Meghalaya	73.0	-33.7	-201.5	-153.6	-125.9
15	Punjab	-1381.5	-3156.9	-434.0	-436.0	-1477.5
16	Rajasthan	-12705.9	-11353.9	-12223.9	-14325.8	-12463.9
17	Tamil Nadu	-11897.1	-20271.8	-21559.6	-12346.7	-5443.4
18	Uttar Pradesh	-1733.4	-803.1	-11263.9	329.0	325.4
19	Uttarakhand	-273.0	28.4	-339.6	-175.9	-288.6
20	West Bengal	469.6	1359.6	1622.7	2056.6	1927.9

Sub-total (SPUs)	-35612.8	-44764.3	-64249.1	-30727.0	-13671.0
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II. EDs

1	Arunachal Pradesh	-212.10	-182.30	-263.80	-243.70	-244.80
2	Goa	197.90	33.90	-127.70	-44.90	67.40
3	Manipur	-85.90	-132.50	-223.90	-215.60	-250.90
4	Mizoram	-210.70	-188.90	-152.30	-144.20	-130.40
5	Nagaland	-107.60	-172.70	-196.30	-214.40	-211.90
6	Pondicherry	-8.40	-100.20	-131.10	-194.90	-50.90
7	Sikkim	135.40	-13.50	-8.90	-11.60	-11.50
8	Tripura	41.20	-83.40	-111.70	-104.00	47.00

Sub-total (EDs)	-250.2	-839.6	-1215.7	-1173.3	-786.0
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Total	-35863.0	-45603.9	-65464.8	-31900.3	-14457.0
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REVENUE ARREARS RECIEVABLE BY SPUs

S.No. State/EDs	2009-10	2010-11	2011-12	2012-13	2013-14
				(R.E)	(AP)

I. SPUs

(Rs.crore)

1	Andhra Pradesh	668.70	741.30	919.00	NA	NA
2	Assam	592.80	655.70	769.10	836.40	884.80
3	Bihar	3288.90	3380.30	3246.20	3000.00	2800.00
4	Chhatisgarh	1988.30	2130.50	2248.20	2365.80	2483.40
5	Gujarat	2560.00	1717.00	1769.00	1895.00	2139.00
6	Haryana	3722.00	4008.90	4557.70	4733.50	NA
7	Himachal Pradesh	380.80	451.30	667.80	620.00	667.80
8	Jammu & Kashmir	987.40	1086.30	1154.80	NA	NA
9	Jharkhand	3337.10	3187.50	3548.50	3654.90	3289.40
10	Karnataka	5936.50	7427.50	8388.40	8660.60	9634.50
11	Kerala	1273.00	1372.90	1424.20	NA	NA
12	Madhya Pradesh	5477.70	0.00	0.00	NA	NA
13	Maharashtra	11753.20	13673.00	15736.00	18765.00	21504.00
14	Meghalaya	210.80	236.10	299.40	335.30	355.70
15	Punjab	753.50	1147.10	1207.40	NA	NA
16	Rajasthan	900.80	902.20	3155.80	1420.50	1007.20
17	Tamil Nadu	1077.10	732.60	720.80	NA	NA
18	Uttar Pradesh	9856.00	12221.50	14082.90	16550.50	18329.10
19	Uttrakhand	1574.90	1816.80	2229.40	2450.00	2695.00
20	West Bengal	1563.50	1597.90	1344.00	1397.80	1453.70

Sub-total (SPUs)	57903.0	58486.4	67468.6	66685.3	67243.6
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II. EDs

1	Arunachal Pradesh	38.00	42.00	60.50	52.00	55.00
2	Goa	106.00	110.00	120.00	NA	NA
3	Manipur	256.90	245.90	259.70	294.20	294.20
4	Mizoram	66.00	9.00	193.30	132.20	159.40
5	Nagaland	25.00	30.00	34.00	50.00	55.00
6	Pondicherry	147.10	152.40	194.30	NA	NA
7	Sikkim	94.90	115.80	133.80	140.10	148.80
8	Tripura	22.20	43.80	70.00	NA	NA

Sub-total (EDs)	756.1	748.9	1065.6	668.5	712.4
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Total	58659.1	59235.3	68534.2	67353.8	67956.0
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STATE ELECTRICITY DUTY COLLECTION

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I. SPUs

(Rs.crore)

1	Andhra Pradesh	215.30	245.70	279.30	267.40	362.80
2	Assam	23.50	25.60	29.50	33.00	36.00
3	Bihar	58.80	76.00	68.10	91.90	103.80
4	Chhatisgarh	225.70	280.60	233.20	263.20	240.00
5	Gujarat	1629.00	1858.00	2229.00	2543.00	2871.00
6	Haryana	115.50	132.00	162.40	162.20	175.40
7	Himachal Pradesh	144.60	239.00	310.90	353.00	360.00
8	Jammu & Kashmir	120.30	147.60	183.70	423.40	450.00
9	Jharkhand	22.10	25.90	28.00	25.00	24.00
10	Karnataka	570.40	574.30	669.00	928.90	989.80
11	Kerala	258.30	290.10	326.40	362.60	398.90
12	Madhya Pradesh	0.00	0.00	0.00	0.00	0.00
13	Maharashtra	1836.00	2695.00	3104.00	3903.00	4407.00
14	Meghalaya	2.00	2.30	2.60	3.00	3.50
15	Punjab	758.60	1133.20	1405.80	1540.00	1695.00
16	Rajasthan	513.20	805.30	887.90	896.30	1095.50
17	Tamil Nadu	0.00	0.00	0.00	0.00	0.00
18	Uttar Pradesh	341.10	402.00	404.80	598.90	810.10
19	Uttrakhand	97.60	111.00	123.70	134.40	146.50
20	West Bengal	361.70	489.20	586.10	750.00	800.00

Sub-total (SPUs)	7293.7	9532.8	11034.4	13279.2	14969.3
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II. EDs

1	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
2	Goa	101.90	105.80	103.20	125.00	130.00
3	Manipur	0.00	0.00	0.50	0.00	1.10
4	Mizoram	0.00	0.00	0.00	0.00	0.00
5	Nagaland	0.00	0.00	0.00	0.00	0.00
6	Pondicherry	0.00	0.00	0.00	0.00	0.00
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	0.00	0.00	0.00	0.00	0.00

Sub-total (EDs)	101.9	105.8	103.7	125.0	131.1
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Total	7395.6	9638.6	11138.1	13404.2	15100.4
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INCIDENCE OF "SED" ON SALES OF ELECTRICITY

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I. SPUs

(Paise/Kwh)

1	Andhra Pradesh	3.59	3.79	3.94	3.84	4.14
2	Assam	6.89	6.45	7.18	7.43	6.57
3	Bihar	9.69	12.39	10.17	11.63	10.32
4	Chhattisgarh	16.94	21.23	16.68	15.99	9.96
5	Gujarat	35.52	37.10	40.62	44.25	45.62
6	Haryana	4.90	5.17	5.60	5.10	4.36
7	Himachal Pradesh	20.37	28.64	36.50	40.03	39.34
8	Jammu & Kashmir	31.39	36.52	43.05	69.45	69.54
9	Jharkhand	3.82	3.82	4.31	3.37	2.75
10	Karnataka	16.87	15.43	15.76	19.90	19.34
11	Kerala	18.38	19.77	20.42	21.11	21.64
12	Madhya Pradesh	0.00	0.00	0.00	0.00	0.00
13	Maharashtra	28.71	37.81	38.74	43.58	45.69
14	Meghalaya	2.06	2.06	2.23	2.38	1.85
15	Punjab	23.20	33.85	40.11	40.72	42.47
16	Rajasthan	16.37	23.31	23.42	21.15	23.08
17	Tamil Nadu	0.00	0.00	0.00	0.00	0.00
18	Uttar Pradesh	8.11	8.89	8.00	10.51	12.72
19	Uttrakhand	15.62	15.31	14.99	14.99	14.99
20	West Bengal	18.38	22.65	26.40	26.63	28.67

Average of SPUs**14.8****17.9****19.0****21.1****20.5****II. EDs**

1	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
2	Goa	34.82	34.55	32.48	41.61	44.25
3	Manipur	0.01	0.01	1.24	0.02	1.81
4	Mizoram	0.00	0.00	0.00	0.00	0.00
5	Nagaland	0.00	0.00	0.00	0.00	0.00
6	Pondicherry	0.00	0.00	0.00	0.00	0.00
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	0.00	0.00	0.00	0.00	0.00

Average of EDs**13.0****12.3****11.3****13.4****12.7****All India Average****14.7****17.8****18.8****21.0****20.3**

SED AS A PROPORTION OF AVERAGE TARIFF

S.No.	State/EDs	2009-10	2010-11	2011-12	2012-13 (R.E)	2013-14 (AP)
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I. SPUs (%)

1	Andhra Pradesh	1.35	1.22	1.16	0.96	0.76
2	Assam	1.61	1.51	1.45	1.45	1.37
3	Bihar	NA	NA	2.19	2.58	2.00
4	Chhattisgarh	5.91	7.09	5.39	4.70	2.97
5	Gujarat	10.08	9.65	9.62	9.83	9.86
6	Haryana	1.43	1.32	1.72	1.25	1.09
7	Himachal Pradesh	5.04	7.17	8.45	9.11	8.79
8	Jammu & Kashmir	12.96	12.50	12.86	18.00	18.00
9	Jharkhand	1.34	1.29	1.24	0.82	0.66
10	Karnataka	4.81	3.60	3.64	4.36	4.05
11	Kerala	5.44	5.58	5.84	4.75	4.90
12	Madhya Pradesh	0.00	0.00	0.00	0.00	0.00
13	Maharashtra	6.64	8.11	7.85	7.96	7.85
14	Meghalaya	0.49	0.61	0.65	0.62	0.49
15	Punjab	9.09	11.57	12.54	11.22	11.57
16	Rajasthan	5.39	7.60	7.19	6.04	5.37
17	Tamil Nadu	0.00	0.00	0.00	0.00	0.00
18	Uttar Pradesh	2.78	2.56	2.30	2.50	2.50
19	Uttrakhand	5.41	4.20	4.10	3.90	3.91
20	West Bengal	4.62	5.00	4.93	4.85	4.94

Average of SPUs	4.5	4.9	4.8	4.8	4.3
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II. EDs

1	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
2	Goa	10.78	10.58	10.39	11.46	12.01
3	Manipur	0.00	0.00	0.43	0.01	0.64
4	Mizoram	0.00	0.00	0.00	0.00	0.00
5	Nagaland	0.00	0.00	0.00	0.00	0.00
6	Pondicherry	0.00	0.00	0.00	0.00	0.00
7	Sikkim	0.00	0.00	0.00	0.00	0.00
8	Tripura	0.00	0.00	0.00	0.00	0.00

Average of EDs	4.2	4.2	3.6	3.8	3.3
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All India Average	4.5	4.9	4.8	4.8	4.2
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