



ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION

Singareni Bhavan, Red Hills, Lakdi-ka-pool, Hyderabad – 04

FUEL SURCHARGE ADJUSTMENT ORDER for 4th Quarter of FY 2011-12 (January 2012 to March 2012)

20th September 2012

Andhra Pradesh Electricity Regulatory Commission
4th & 5th Floors, Singareni Bhavan, Red Hills, Hyderabad -500004

Present

Sri A. Raghotham Rao, Chairman
Sri C.R. Sekhar Reddy, Member
Sri R. Ashoka Chari, Member

Dated 20-09-2012

ORDER

In the matter of Determination of Fuel Surcharge Adjustment (FSA)
For Fourth Quarter (January 2012 – March 2012) of FY 2011-12

Central Power Distribution Company of A. P. Limited (APCPDCL) ...OP No: 58 of 2012

Eastern Power Distribution Company of A. P. Limited (APEPDCL) ... OP No: 59 of 2012

Northern Power Distribution Company of A. P. Limited (APNPDCL) ... OP No: 57 of 2012.....

Southern Power Distribution Company of A. P. Limited (APSPDCL) ... OP No: 56 of 2012

.....Applicants

1. This matter came up for public hearings before several consumers, the representatives of various consumer organizations & learned Counsels representing bulk consumers and associations, from 16-07-2012 to 14-08-2012; and having stood over for consideration till this day, the Commission passed the order.
2. Under clause 45-B of Commission's Conduct of Business Regulations as amended vide Regulation No 1 of 2003 read with Section 62(4) of The Electricity Act, 2003 and Tariff Order for 2011-12, additional fuel and power purchase costs have to be passed on to the consumers as Fuel Surcharge Adjustment (FSA) on quarterly basis as per the terms of fuel surcharge formula specified under the said regulation.
3. In pursuant to the said regulation, FSA proposals for the fourth quarter of financial year 2011-12 i.e. period between January 2012 to March 2012 were submitted by the DISCOMs on the following dates before APERC. APCPDCL on 28.04.2012, APEPDCL on 30.04.2012, APNPDCL on 28.04.2012 and APSPDCL on 28.04.2012.

4. Brief details of the FSA proposals for the fourth quarter of FY 2011-12, submitted by the Distribution Licensees (DISCOMs in short) are as follows:

APCPDCL

Particulars	Jan-12	Feb-12	Mar-12	Qtr4 Total
Proposed FSA Amount (Rs Cr)	229	117	477	823
Non Agricultural Sales (MU)	1826	1916	1881	5622
FSA Rate (Rs/kWh)	1.26	0.61	2.53	1.46
FSA (Domestic Category) (Rs Cr)	55.06	28.74	143.37	227.17
FSA (Other than Dom & Agl) (Rs Cr)	174.39	87.91	333.30	595.59

APEPDCL

Particulars	Jan-12	Feb-12	Mar-12	Qtr4 Total
Proposed FSA Amount (Rs Cr)	97	49	198	343
Non Agricultural Sales (MU)	770	798	780	2348
FSA Rate (Rs/kWh)	1.26	0.61	2.53	1.46
FSA (Domestic Category) (Rs Cr)	26.52	12.95	60.11	99.17
FSA (Other than Dom & Agl) (Rs Cr)	70.30	35.65	137.54	243.49

APNPDCL

Particulars	Jan-12	Feb-12	Mar-12	Qtr4 Total
Proposed FSA Amount (Rs Cr)	59	29	119	207
Non Agricultural Sales (MU)	468	480	469	1417
FSA Rate (Rs/ kWh)	1.26	0.61	2.53	1.46
FSA (Domestic Category) (Rs Cr)	18.37	9.19	40.98	68.54
FSA (Other than Dom & Agl) (Rs Cr)	40.40	20.05	77.97	138.42

APSPDCL

Particulars	Jan-12	Feb-12	Mar-12	Qtr4 Total
Proposed FSA Amount (Rs Cr)	108	55	230	393
Non Agricultural Sales (MU)	857	903	907	2668
FSA Rate (Rs/ kWh)	1.26	0.61	2.53	1.46
FSA (Domestic Category) (Rs Cr)	37.35	17.89	77.80	133.03
FSA (Other than Dom & Agl) (Rs Cr)	70.42	37.11	152.18	259.71

5. The DISCOMs while submitting the claim, requested the Commission to permit the Licensees to collect FSA amounts during the 4th Quarter of FY 2011-12 on weighted average basis of Rs 1.46 per unit per month from Non-Domestic and Non-Subsidized categories.
6. The said filings were assigned OP Nos, vide No. 58 of 2012 (APCPDCL), OP No. 59 of 2012 (APEPDCL), OP No. 57 of 2012 (APNPDCL) and OP No. 56 of 2012 (APSPDCL).
7. The Licensees were directed by the Commission as follows-
 - a. To notify their quarter wise FSA proposals to the public in English and Telugu daily newspapers, having wider circulation in their area of supply.
 - b. To place the FSA proposals on their respective websites along with allocation statements / background calculation sheets
 - c. Keep the copies of the proposals available to the public, along with all the necessary supporting documents, at their offices.
 - d. Make copies of the above available, wherever requested by any person and supply copies at a reasonable cost of photo copying the same.
 - e. As part of the public notification, it was also mentioned that any objections / suggestions /comments on the proposals of the DISCOMs can be submitted to the Secretary, AP Electricity Regulatory Commission, 5th Floor, Singareni Bhavan, Red Hills, Lakdi-Ka-Pul Hyderabad -500504, so as to reach by 03-07-2012 with a copy marked to the Chief General Manager/ Regulatory Affairs of the concerned DISCOM.

- f. It was mentioned in the notification that the Commission would be conducting public hearings on the matter on 16-07-2012, from 11:00 AM onwards at Court Hall of APERC, Hyderabad.

CHAPTER – II

PUBLIC HEARING on FSA CLAIMS

8. The Public Notice, issued by the Licensees at the directions of the Commission, appeared on 18-06-2012 in the Newspapers. About 111 Nos of Objectors (persons / organizations/ consumers) filed their objections by the due date i.e. 03-07-2012 and some of the objectors requested for postponement of the scheduled public hearings in lieu of shortage of time. During the course of public hearings, when the date of filing of objections was extended till 24.08.2012, further, 3 Nos of Objectors (persons / organizations/ consumers) filed their objections
9. At the time of commencement of the first public hearing on 16-07-2012, Dr. K. Narayana of CPI Party and Sri. M. Venugopala Rao Sr. Journalist raised an objection stating that the Hon'ble member (Technical) of the Commission, Sri. R. Ashoka Chari, had dealt with additional power purchases during the last two financial years, as the then Chief Engineer (Commercial) of AP Transco/APPCC based on which the DISCOMs had made the present FSA claims and requested the Commission to examine the propriety or otherwise of Sri. Ashoka Chari sitting in judgment on such FSA claims.
10. On this objection, the Commission gave its ruling stating that procurement of power by the Licensees, from various sources under Short Term procurement method is the result of the combined decision of all the concerned Directors of the respective Licensees. The role of Chief Engineer (Commercial), APPCC, is limited to the execution of the orders/decisions of the Board of Directors of the Licensees only. In view of this, Commission has taken a decision that Sri. R. Ashoka Chari, the present Hon'ble Member (Technical), APERC will also hear the arguments / objections during the public hearings in respect of the FSA claims for FY 2010-11 & FY 2011-12.

11. During the Public Hearing held on 16-07-2012, representatives of the DISCOMs made their presentation and later, representatives of Political Parties, Sri. B.V. Raghavulu of CPI (M), Dr. K. Narayana of CPI, Sri. B. Dattathreya of BJP, Sri. G. Janaki Prasad of YSR Congress Party and Sri Karthik Chandra of Lok Satta Party submitted their objections before the Commission.
12. Apart from these representatives of the Political Parties, Sri. M. Venugopala Rao Sr. Journalist, representatives of Industrial / Commercial Consumer Associations like FAPCCI, FAPSIA, M/s. AP Plastic Manufacturing Association, M/s. Grind Well Norton Ltd, learned counsels on behalf of certain Industrial consumers, Sri. Gopala Chowdary, Sri. DVAS Ravi Prasad, Dr. Thimma Reddy of Peoples' Monitoring Group on Electricity Regulation, Sri. K. Raghu Energy Auditor, Sri. Sridhar Reddy & Sri. Ramu of Bharateeya Kisan Sangh, Sri. Gade Diwakar of All India Kisan Mazdoor Sangh, Swami Jaganmayananda and others submitted their objections. Based on the requests from the objectors like Sri. Gopala Chowdary, Sri. M. Venugopala Rao and others that the DISCOMs did not disclose the details of expenditure for claiming the FSA amounts and that their objections on the filings of the DISCOMs need to be heard in detail by the Commission, public hearing was adjourned to 18-07-2012.
13. Subsequent to the Public Hearing held on 16.07.2012, a series of further Public Hearings were held on 18.07.2012, 31.07.2012 & 14.08.2012. During these hearings, Sri. Gopala Chowdary, Learned counsel for certain Industrial consumers, Sri. DVAS Ravi Prasad, Sri. Challa Gunaranjan, learned counsel for certain consumers, Sri. M. Venugopala Rao Sr. Journalist, representatives of consumer associations/organizations like FAPSIA and others submitted their objections. During the hearings, when the objectors sought for certain clarifications from the DISCOMs, the representatives of DISCOMs & the learned counsel for the DISCOMs provided the same. The learned counsel of the DISCOMs submitted to the Commission that they had submitted their applications for approval of

the FSA amounts as per the procedures enumerated by the Commission in the respective regulation and that the objectors cannot demand the DISCOMs to submit the details in whichever manner they desire. While stating so, the learned counsel of the DISCOMs submitted that they would submit any further details, if the same is directed by the Commission. They also submitted that they would submit all their replies at the end of the submission of the objections before the commission and that it is not fair on the part of the objectors/learned counsels of the consumers to halt the proceedings of the public hearings. On 14.08.2012, while concluding the Public Hearing, the Commission announced a further opportunity for submission of any further objections in writing till 24.08.2012 and directed the DISCOMs to arrange replies to the objectors. Commission also informed the objectors that all the objections, received till 24.08.2012, would be posted on the website of APERC and taken into account while finalizing the issues in the case.

14. Commission's view is that levy of FSA is a process in continuation of tariff fixation and is not an adversarial process between the DISCOMs and specific respondent consumers. It involves the interests of more than 1 Crore consumers and is not possible to follow the judicial/quasi-judicial procedure of petition, counter, rejoinder to counter etc., since there are no respondents as such in the FSA proceedings, except in situations when public hearing is held in pursuance of a specific court direction of remand, passed by the Court in a writ proceeding filed by specific writ petitioners etc.,

15. The Asst. Secretary, Energy Department GoAP attended the public hearing held on 16.07.2012 and stated that GoAP stood by its earlier stand taken in the letter of Principal Secretary to Govt, Energy Department, A.P. Secretariat, Hyderabad, No: 3936/pr.III(1)/2011-1 dated 29-08-2011, on further amendment to APERC (Conduct of Business) Regulation-2 of 1999-methodology on FSA leviable which as follows:

"I am directed to invite attention to the references from the Secretary (FAC),

APERC, Lr.No.Secy/APERC/DD(EAS)/Draft Amend-Regulation -FSA, Dt: 22-07-2011 and Govt. Lr. No. 3936/Pr.III(1) /2011, Energy, dated 11-08-2011 and to inform that the GoAP have decided to continue the current methodology for determination of FSA by excluding the agricultural sector.

Further decided to rework the present FSA methodology such that there is differentiation of FSA chargeable across consumer categories based on the same tariff principles that are adopted during the setting of tariff by APERC in the Retail Supply Tariff Order.

I am to request you to take further action on the amendment to the conduct of business regulation (Regulation No. 2 of 1999) in respect of Methodology of Fuel Surcharge Adjustment (FSA) leviable by the Licensees, accordingly”

16. Responding to the Public Notice issued on 18-06-2012, many persons /representative bodies’ /organizations/ legal counsels representing a group of consumers filed their objections/suggestions against the proposals submitted by the Distribution Licensees. The initially fixed ‘due date for filing of objections’ was 03-07-2012 and during the course of the public hearings it was extended up to 24-08-2012 to enable all the interested persons to file their views. Further, to accommodate the views of all the stakeholders, Public Hearings were held on 16-07-2012, 18-07-2012, 31-07-2012 & finally on 14-08-2012, including a presentation on 16-07-2012 by the Licensees on their submissions, duly explaining the computations. Objections were submitted both in writing & in person at the public hearings. During the public hearings, the views of un-registered objectors i.e. the objectors who have not filed any objections by due date, were also heard. In the following paragraphs, a summary of the objections by various persons/representative bodies / organizations / legal counsel representing groups of consumers, along with the replies arranged by the DISCOMs, is given. Commission, before undertaking the final processing of the claims of the DISCOMs, has thoroughly examined the objections / suggestions submitted by the respective persons/representative bodies /organizations /legal counsel representing groups of consumers, along with the replies

submitted by the DISCOMs. The issue wise objections / suggestions have been summarized below, along with the replies of DISCOMs, in the subsequent paragraphs. While doing so, wherever required, Commission has indicated its views on those particular issue/issues at the respective paragraphs.

17. In this context, Commission would like to place on record its appreciation to all the objectors who participated in the public hearings and furnished their considered views & suggestions.

18.A List of persons/representative bodies/organizations/ legal counsel representing groups of consumers who filed objections before the Commission, is given as **Annexure- B**

CHAPTER – III

ANALYSIS OF ISSUES ARISING FROM PUBLIC HEARING

Issue 1

19. Time given for filing of objections:

Views of Objectors

Representatives/Learned Counsels of M/s. Andhra Spinning Mills Association, M/s. Andhra Sugars like Sri Gopala Chowdary, Sri. DVAS Ravi Prasad, Sri. Challa Gunaranjan, representatives of consumer associations like FAPCCI, FAPSIA, representatives of political parties like CPI, CPM, YSR Congress Party, BJP, individual like Sri. M. Venugopala Rao, Dr. M. Thimma Reddy, Sri. K. Raghu and others submitted the following objections-

The time allowed by the Commission for the filing of objections is wholly inadequate and unreasonable. The consumers require sufficient time to collect/purchase copies of the FSA proposals, understand the FSA proposals as filed by the licensees, evaluate the impact of the FSA proposals, collect relevant information (more particularly when the licensees have given their proposals in a vague and cryptic manner without sufficient data and in an obtuse manner), carry out necessary consultations, prepare the objections and then have them delivered within the stipulated time.

The Commission had received these very applications from July 2010 onward. When the Commission itself kept the matters pending for such a long time in its own office, there can be no justification whatsoever in not allowing sufficient time to the consumers to make their objections.

At least 30 clear days ought to have been allowed to the consumers for preparing and submitting their objections against the proposals to impose FSA which have very serious and onerous consequences on the consumers.

Replies of Licensees:

The time frame fixed by Hon'ble Commission for submission of objections is sufficient.

Commission's views:

Initially the Commission allowed time of 15 days to the objectors to file their objections/suggestions. Further, in consideration of the requests made during the 1st public hearing on 16.07.2012, Commission extended the due date for filing of objections from 03.07.2012 (initially fixed due date) to 24.08.2012, which amounts to more than 30 days, which is what the objectors have sought for initially. Public Hearings were held on the issues of FSA on 16.07.2012, 18.07.2012, 31.07.2012 & 14.08.2012. Opportunity was given to Consumers / Representative bodies / Organizations / Legal Consels representing groups of consumers, to express their views/ objections/ suggestions, both in writing and orally, at the public hearings.

Issue 2

20. Objections on the Compliance of time limit by Commission in issuing the orders:

Views of Objectors:

Representatives of the Political Parties, Dr K. Narayana of CPI, Sri Kiran Kumar Reddy of YSR Congress Party, Dr. Thimma Reddy of Peoples' Monitoring Group on Electricity Regulation and others submitted the following objections –

Except in the case of 4th quarter of the financial year 2011-12, in respect of all the other quarters, FSA claims were submitted more than 120 days ago. In the case of 1st quarter of the financial year 2010-11 the claim was submitted nearly two years back. This is nothing but clear violation of the Act by the Commission itself, which itself is created under the same Act. Had the Commission taken up these in time issues like short term power purchases at unjustified rates could have been addressed in time. Besides this, DISCOMs have to incur higher interest burden on its debt because of delay in recovering its revenue. Similarly, sections of consumers have to struggle to find ways to account for the expenditure retrospectively. The mandate of the Commission is to see that power sector in the state functions in efficient, economic and transparent manner. The Commission itself has become a problem rather than a solution. Commission may promptly issue the FSA orders in future as promised by the Hon'ble Chairman during the course of hearings.

Replies of Licensees:

Matter falls in the purview of the Commission.

Commission's Views:

As far as the FSA claim for 4th quarter of FY 2011-12 is concerned, the filings were made by the DISCOMs on the following dates before APERC, i.e. APCPDCL on 28.04.2012, APEPDCL on 30.04.2012, APNPDCL on 28.04.2012 and APSPDCL on 28.04.2012. The notice for receiving objections and conducting public hearing was issued and published on 18-06-2012.

The Public Hearings for the FSA claims of 4th quarter of FY 2011-12 were held from 16-07-2012 to 14-08-2012, along with public hearings for the FSA claims for the other 3 quarters of FY 2011-12 & for all the 4 quarters of FY 2010-11, and time was given to the stakeholders to make their written submissions up to 24-08-2012. After the FSA claims were filed for this quarter by the DISCOMs in the month of April 2012, the claims were scrutinized by the office of APERC by seeking requisite clarifications and further data from the licensees, Public hearing notices were issued, time was given for filing of objections/suggestions/views by the stakeholders, the initial filings data and the objections were published on the web, and responses obtained from the licensees regarding the objections/suggestions filed by the stakeholders etc., before conducting the public hearings from 16-07-2012 to 14-08-2012. The objectives of transparency and public consultation with numerous stakeholders have necessitated a time-consuming procedure for the processing of FSA claims. The relevant Regulations of the Commission as well as the directions of the Hon'ble High Court on the FSA issued from time to time make it necessary to follow such an elaborate and lengthy procedure for determining the FSA amounts. In these circumstances, it would not be correct to state that there has been undue delay in finalization of the FSA matter of 4th quarter of FY 2011-12 at the hands of the Commission.

Further, coming to the legal issues involved in the matter, it has to be noted that no time limit has been prescribed in the relevant Regulation of APERC for finalization of the FSA claims by the Commission. There is also no provision in the FSA Regulation that the FSA claim of the DISCOMs will be forfeited if

the Commission does not issue the orders within a particular period. The only time limit prescribed in the FSA Regulation is regarding the filing of the FSA claims by the licensees. There is no time limit prescribed either in the FSA Regulation or in the Electricity Act, 2003 for the finalization of FSA claims by the Commission.

Issue 3

21. Adequacy of information furnished by DISCOMs in the Claims:

Views of Objectors

Representatives/Learned Counsels of M/s. Andhra Spinning Mills Association, M/s. Andhra Sugars like Sri Gopala Chowdary, Sri. DVAS Ravi Prasad, Sri. Challa Gunaranjan, representatives of consumer associations like FAPCCI, FAPSIA, representatives of political parties like CPI, CPM, YSR Congress Party, BJP, individual like Sri. M. Venugopala Rao, Dr. M. Thimma Reddy, Sri. K. Raghu and others submitted the following objections-

The Commission must, before calling for public notice and hearing, verify with due care and diligence at least as to (a) whether the requirements of procedure and form had been complied with by the applicant, and (b) whether the information that has been furnished is so complete as to enable the Commission to decide on the matter without anything further other than hearing the applicant and the public, and (c) whether there is sufficient explanation and elucidation in the application to enable the affected consumer public to understand the issues and data and calculations, and (d) whether the Commission ought to take any measures for facilitation and assistance to consumers to enable them for meaningful participation. After the shortcomings in these aspects are made good, that the Commission may proceed to the public notice and conduct public hearing.

In the present case, the information made available by the DISCOMs in their filings lacks clarity and transparency and with these deficiencies, consumers cannot understand the same and make any meaningful objections. There is no explanation of the methodology adopted for the calculations with reference

to the applicable Regulation. Necessary and relevant information with regard to the items of claim in the statements is not furnished and there is no explanation whatsoever as to why they are to be allowed.

Therefore, Hon'ble Commission shall direct the DISCOMs to present their information in full shape, so that the consumers can understand the same. The Commission ought to have set down the formats in which the information is to be given and to validate the explanations and notes before the same are put to public hearing.

Even in the objections submitted on 24.08.2012, Sri. Gopala Chowdary, Sri. M. Venugopala Rao submitted that the DISCOMs, in spite of several requests, did not provide the information sought for.

Replies of Licensees:

Comprehensive data comprising of actual energy purchased against tariff order quantities, actual fixed cost, actual variable cost, generator wise prior period expenditure and actual sales were given in the monthly FSA computation sheets. All the invoices admitted by licensees are also submitted to Hon'ble Commission for prudent check.

Commission's views:

FSA is being computed in the present order as per the provisions contained in the FSA Regulation of the APERC and the formula prescribed therein for the FSA computation. The requirement for data has to be assessed in the light of the methodology for determination of the FSA as per the said Regulation. Commission is of the view that the information furnished by the DISCOMs in their filings and in their responses to the objections received from the objectors is sufficient to process the FSA claims of the DISCOMs and for computation of FSA as per the methodology prescribed in the FSA Regulation of the Commission for such computation and that the data furnished is adequate even from the point of the consumers at large.

Issue 4

22. Computation of PP Qty by Grossing up sales with loss Figures:

Views of Objectors

Representatives/Learned Counsels of M/s. Andhra Spinning Mills Association, M/s. Andhra Sugars like Sri. Gopala Chowdary, Sri. DVAS Ravi Prasad, Sri. Challa Gunaranjan, representatives of consumer associations like FAPCCI, FAPSIA, representatives of political parties like CPI, CPM, YSR Congress Party, BJP, individual like Sri. M. Venugopala Rao, Dr. M. Thimma Reddy, Sri. K. Raghu and others submitted the following objections-

In the statement of month-wise, category-wise sales for Q1 of FY 2010-11, annexed by the APEPDCL, the table contains a row giving the "PP Qty". This information is not available for APEPDCL's Q4 of FY 2011-12. APSPDCL has not given this information in any of their statements. APNPDCL has not given the said information in respect of Q1 & Q4 of FY 2010-11 and Q2 & Q4 of FY 2011-12. These DISCOMs may be directed to furnish the missing information.

From APEPDCL's statements for 2010-11, the total sales (limiting agriculture sales to Tariff Order quantity) for all the four quarters taken together is 10,375.17 MU and the corresponding power purchase quantity is 11,957.11 MU. If this PP Qty is by grossing up the stated sales by losses, then the grossing up for 13.23% loss is wholly inconsistent with the APEPDCL claim that its losses are only 7%. On the other hand, it may be observed that the Power Purchase Quantity is in respect of the consumptions by all the categories, including agricultural consumption over and above Tariff Order quantity, which needs to be clarified.

In the case of APCPDCL, for Q1 of FY 2010-11, the total sales (limiting agriculture sales to Tariff Order quantity) is 6943.15 MU and the corresponding power purchase quantity is 8397.62 MU, indicating a grossing up for 17.32%. But, for Q2 of FY 2010-11, the total sales (limiting agriculture

sales to Tariff Order quantity) for all the four quarters taken together is 6903.93 MU and the corresponding power purchase quantity is 16420.38 MU. Similarly for Q3 of FY 2010-11.

If, taking the cases of APCPDCL for Q1 & Q4, the total sales (limiting agriculture sales to Tariff Order quantity) is grossed up uniformly for 17.32% losses to arrive at the Power Purchase quantity, this method cannot be considered to be correct and consistent with the methodology in Annexure-F of the tariff order for 2010-11 (@ pg 213).

Replies of Licensees:

FSA regulation does not mandate considering the Power Purchase quantity after grossing up of actual sales with approved loss percentage. The sales information as per balance sheet was also submitted as additional information to Hon'ble Commission.

Commission's Views:

With regard to the objection that, the action of APCPDCL in respect of FSA claims for Q1 & Q4 of FY 2010-11, in grossing up the total sales (limiting agriculture sales to respective Tariff Order quantity) uniformly for 17.32% losses, to arrive at the Power Purchase Quantity is inconsistent with the methodology prescribed in Annexure-F of the tariff order for 2010-11 (Page-213), the Commission observes that the month-wise power purchase quantity has to be arrived duly grossing up month-wise, voltage-wise sales with voltage-wise approved losses (as indicated in Multi Year Tariff Order for respective financial year) as per methodology indicated in the Tariff order.

Issue 5

23. Variation of fixed cost of generating stations from month to month:

Views of Objectors

Representatives/Learned Counsel Sri. Gopal Chowdary and others stated that it is not explained anywhere as to why and how the fixed costs for any generating station vary, month to month, and as to the basis of such variation, and how regulatory approval for the same was obtained.

Replies of Licensees:

Corresponding invoices generator wise substantiating the FSA filing was submitted to Hon'ble Commission. The variance to the fixed cost could be attributed to the factors such as variance in foreign exchange, incentive and income tax and revision of tariff by CERC from time to time. FSA is the only mechanism to recover the incremental cost incurred by licensees. As such the incremental cost in transmission is also claimed by licensees. The fixed cost admitted by licenses is for all the stations approved by Commission and the fixed cost can be related to the quantity purchased to the extent of threshold PLF

Commission's Views:

Regarding the variation of fixed cost for any generating station from month to month, the basis of such variations and the regulatory approvals for the same, the Commission's view is that there will be variations in the fixed costs over and above the fixed costs approved in the Tariff order due to the variations in taxes, incentives, change in foreign exchange rate, variation in capital cost etc. Such variations in respect of the bills claimed by Central Generating Stations is on the basis of regulations issued by Central Electricity Regulatory Commission (CERC) and for APGENCO stations, the basis is the regulations issued by APERC. The variations in fixed cost will be allowed by the Commission after thorough scrutiny of the bills.

Issue 6

24. Admissibility of expenses for PGCIL, transmission charges, SLDC charges:

Views of Objectors

Representatives/Learned Counsel Sri. Gopal Chowdary and others stated that it is not explained or understandable as to how the amounts claimed in respect of expenses for PGCIL, transmission charges, SLDC charges are admissible or relevant in terms of the Regulation. It is also not clear as to whether these claimed costs are in relation to the approved tariff order quantity or to the entire energy purchased. The Act envisages variation on account of fuel cost adjustment only, by way of a formula. Variations in power

purchase cost, or the costs of transmission and SLDC charges relating thereto, are not adjustable under a fuel surcharge formula.

Replies of Licensees:

The fixed cost is inclusive of Power Purchase Fixed Cost, Incentive, Income Tax & Others, Transmission Cost, SLDC Cost, PGCIL Cost and ULDC Expenses as per Tariff order 2010-11, FSA formula permits to recover variance in fixed cost and SLDC charges are of fixed nature. As such the differential cost either positive or negative is proposed to be passed on to consumers.

Commission's Views:

Regarding the admissibility of the amounts claimed in respect of expenses towards PGCIL, Transmission, SLDC charges etc., in terms of the relevant regulation and whether these claims are in relation to the quantities approved in the Tariff Order or to the entire energy purchased, Commission is of the view that the PGCIL charges, transmission charges and SLDC charges are not part of the power purchase as per the Tariff Order. These costs would be disallowed while computing the FSA charge. However, regarding considering of taxes and insurance under 'fixed cost', the actual taxes paid fall under 'fixed charges' as per Regulation No. 1 of 2008 of APERC (Terms and Conditions for determination of Tariff for supply of electricity by generators) and that incentive is part of the Power Purchase Cost as per the Tariff Order.

Issue 7

25. Short Term Open Access (STOA) charges on DISCOMs

Views of Objectors

Sri Badrinath of Secunderabad and others have submitted that DISCOMs have claimed an amount of Rs.30,65,14,777/- for 2010-11 and Rs.105,01,91,317/- for the year 2011-12. The entire transmission network in the state is already leased by the DISCOMs. Thus the levy of Short Term Open Access (STOA) charges on DISCOMs for the use of the network amounts to double charging for the same network and helping in unjust enrichment of TRANSCO at the expense of the consumers. Further, any

STOA charges collected by the TRANSCO should actually accrue to the DISCOMs. Hence, the claim of STOA shall not be allowed and APTRANSCO shall be directed to refund the STOA collected from third parties.

Replies of Licensees:

Any purchases made from other than approved source will be subject to payment of Transmission and SLDC charges. As per the regulations in vogue, STOA was paid. Further, it is to inform that entire STOA charges were not paid to TRANSCO alone. It depends upon the power from where it is procured and transmission line utilized

Commission's Views:

Regarding the contention that the levy of short-term open access (STOA) charges by APTRANSCO on DISCOMs for the use of network, amounts to double charging for the same network and results in unjust enrichment of APTRANSCO at the cost of consumers, the Commission has examined this issue and proposes to disallow the cost of STOA while computing the FSA since the charges of STOA is not part of power purchase cost as per Tariff Order.

Issue 8

26. Admissibility of prior period expenses:

Views of Objectors

Representatives/Learned Counsel Sri. Gopal Chowdary, Sri. M. Badrinath, Dr K. Narayana, Representatives of FAPSIA and others stated that there is no explanation, whatsoever, with regard to the prior period expenses claimed. It is not known as to how this has arisen, and whether it is in respect of fixed costs or variable costs or fuel cost variation, and as to what period it relates, and how the same can be claimed now in terms of the Regulation. There is also no information as to whether such expenses were ever subjected to any regulatory scrutiny and/or whether they received regulatory approval.

Replies of Licensees:

In the calculation sheet the prior period expenditure is shown in a separate column against the respective generating station. The Hon'ble Commission

would make a prudent check on all the bills admitted by licensees before issuing the orders on FSA. The prior period expenditure is incurred mainly due to final orders of CERC on previous claims by NTPC/PGCIL and FCA claims received from APGENCO after filing of FSA claims with Hon'ble Commission.

Commission's Views:

Regarding the alleged absence of explanation from the DISCOMs for the claims of prior period expenditure incurred by them, the Commission has examined all the objections put forth by the concerned and ensured that the item-wise prior period expenditure, furnished by the DISCOMs, has been posted on the Commission's website. All the bills pertaining to the prior period expenditure have been scrutinized and the expenditure pertaining to PGCIL and Posoco is proposed to be disallowed by the Commission, since the same are not covered in Tariff Order under power purchase cost. The prior period expenditure pertaining to NPC stations is due to MAT charges for 2008-09 and 2009-10, received and paid by DISCOMs in the month of June 2010 are admissible. Similarly, the prior period expenditure pertaining to NTPC stations and NLC (ST-I and ST-II) stations which have been claimed during FY 2011-12, as per the CERC order, are admissible.

Regarding the claim of Rs.139 Cr. paid to the Hydel units of APGENCO under the prior period expenditure for the year 2011-12, the Commission is of the view that this amount is towards the O & M expenditure incurred by APGENCO in 2002-03 and 2004-05. The bills pertaining to the O&M charges of APGENCO for FY 2002-03 to 2004-05 for Rs. 139.09 Cr, are as per Commission's Order, dated: 13.06.2011 in OP No. 6 of 2006. The IT difference of APGENCO, for FY 2010-11, for Rs. 8.99 Cr. is also admissible. The energy variable charges of earlier quarters are due to the delay in receipt of coal bills etc., by APGENCO and these amounts have been claimed by the licensee in the next immediate quarter and as such are admissible since the FSA Regulation allows the prior period expenditure as per clause 45 (B) of Conduct of Business Regulation amended vide Amendment to Regulation No.

1 of 2003 issued by APERC wherein item 'Z' in the FSA formula allows the prior period expenditure.

Issue 9

27. kVAh Billing in context of FSA:

Views of Objectors

Representatives/Learned Counsel Sri. Gopal Chowdary and others stated that it is not clear as to whether the category-wise consumption given by the DISCOMs are all in kWh or kVAh or mixture of both.

Replies of Licensees:

For FY 10-11, all the billings were done in kWh and the sales also were reported in kWh. For FY 11-12, billings in respect of some categories were done in kVAh, but for computation of FSA amount chargeable to all consumers covered under kVAh billing, equivalent sales in kWh were submitted except for Q1 of CPDCL for which the mix of both were submitted.

Commission's Views:

Regarding the objections submitted on the kWh/kVAh billing patterns, Commission is of the view that kVAh and kWh units cannot be arithmetically added to arrive at the power purchase quantity. Power purchase quantity shall always be in terms of kWh only. Commission has ensured that DISCOMs have furnished the sales category-wise, month-wise, voltage-wise in terms of kWh also as additional information and the same is posted on the Commission's website.

Issue 10

28. Impact of Additional Purchases made for Agricultural Consumption:

Views of Objectors

Representatives/Learned Counsel Sri. Gopal Chowdary, Sri.M.Badrinath, Sri.M.V.Rajeshwara Rao of FAPCCI, Sri. M.Venugopala Rao and others stated that it is not clear from the information furnished as to how the power for agricultural consumption in excess of the tariff order approved quantities has been purchased and how the additional costs have been dealt with. The

requirement in the tariff order is that the State Government is required to bear the entire cost of all such additional purchases. Therefore, the entire fixed and variable costs for such additional purchases have to be excluded from the FSA exercises and/or in computing the weighted average cost of purchase. It is incorrect, if this has been done as it appears, to work out the weighted average cost of purchase including the additional purchases at higher cost and then limiting the power purchase quantity to the tariff order quantity and applying this weighted average cost thereon.

Replies of Licensees:

FSA is levied on purchasable quantities of actual sales of all categories. In respect of Agricultural categories, the sales are limited to actuals or approved quantities, whichever is less. This ensures that the FSA is levied only for the quantities that are purchased by the consumers. The excess power purchase will have to either be borne by Govt of AP or by the DISCOMs.

Commission's Views:

With regard to the contention that the requirement in the tariff order is that the State Government should bear the entire cost of additional purchases meant for Agricultural category and therefore, the entire fixed and variable costs against such additional purchases have to be excluded from the FSA and in computing the weighted average cost of purchase, the Commission, while arriving at month-wise power purchase quantities, proposes to limit the LT-agricultural sales to minimum of LT-Agl category sales as approved in tariff order or the actual energy consumed by agricultural category consumers. Commission is of the view that the excess energy purchased, to meet the requirement of the LT-agricultural category over and above the Tariff order quantity sales, shall be borne by GoAP.

Issue 11

29. Short Term Purchases:

Views of Objectors

Representatives/Learned Counsel Sri. Gopal Chowdary, Sri. Ananda Reddy of FAPSIA, M/s Raheja IT Park, Sri M. Venugopala Rao, Sri. Thimma Reddy and others stated that the tariff order expressly limits the price for short-term

power purchases to Rs 5.50 and in case such power purchases become necessary, they shall follow the procedure of competitive bidding. It is not known as to whether the competitive bidding procedure has been followed for short-term power purchases over and above the tariff order purchase quantities. It is also not explained as to how the short-term power purchase price over and above 5.50 is being claimed contrary to the specific limitation in the tariff order.

As per the license conditions of the DISCOMs, the DISCOMs are required to follow the guidelines/instructions given by the Commission in respect of any short-term or urgent purchases. The Commission has issued guidelines. It appears that the guidelines for post-facto approval have been completely breached.

The short term energy purchase allowed by the commission and the actual purchase by the DISCOMs during the 2 years is as follows:

APERC allowed	2010-11	2011-12
Energy(MU)	860.33	1375.84
Cost(Cr)	473.18	756.71
Actual as per claim		
Energy(MU)	4591.03	8209.39
Cost(Cr)	2040.73	3389.52
Excess Energy	3730.7	6833.55
Percent	534	597
Excess cost	1567.55	2632.81
Percent	431	448

It can be observed from the above that the actual purchases from the short term sources are much higher than that allowed by the Commission. The Commission in its Tariff order 2011-12 clearly directed the DISCOMs not to resort to excess purchases beyond the limits allowed by the APERC. If the GoAP approves the excess purchase, it should take the burden to reimburse the cost. Further, it can be inferred from the above that the commission's projections are not based on facts. The commission should not allow the DISCOMs to indiscriminately purchase the energy from short term sources. The commission should disallow the entire excess claim of DISCOMs.

Replies of Licensees:

All the short term power purchases are through competitive bidding process only, duly following the procedure prescribed by Hon'ble Commission and all the related agreements are placed on website.

There were shortages from approved stations against the quantum approved by the Hon'ble Commission. Therefore, to meet the approved sale quantity, licensees have been resorting to procure power from external sources.

Commission's Views:

Regarding the short term power purchases by the DISCOMs, Commission had indicated a marginal ceiling price of Rs 5.50/kWh in the In the Tariff Order for purchases of power from short-term sources, subject to procurement of power from such sources by Web based competitive procurement process. However, maximum ceiling price is not operative for purchase made through IEX and IPX. Commission, while securitizing the month-wise FSA amount in the merit order dispatch, proposes to limit the Power Purchase rate at Rs. 5.50/unit if the short term power purchases are made over & above the marginal ceiling price and also ascertain that such purchases are made through competitive bidding process.

Issue 12

30. Treatment of Agricultural Consumption in Determination of FSA:

Views of Objectors

Representatives/Learned Counsels of M/s. Andhra Spinning Mills Association, M/s. Andhra Sugars like Sri. Gopala Chowdary, Sri. DVAS Ravi Prasad, Sri. Challa Gunaranjan, representatives of consumer associations like FAPCCI, FAPSIA, representatives of political parties like CPI, CPM, YSR Congress Party, BJP, individual like Sri. M. Venugopala Rao, Dr. M. Thimma Reddy, Sri. K. Raghu and others submitted the following objections-

Agricultural consumption cannot be excluded from the denominator of the formula for the computation of the FSA. If the mandatory requirement of law,

metering all the services by June-2005, has not been complied with by the licensees, the Commission cannot simply exclude the agricultural consumption and penalise the other consumers for the neglect and default of the licensees.

There is no justifiable reason to exclude the agricultural consumption as the DISCOMs have published their actual losses which can only be done after quantifying the agricultural consumption and they also have reported the agricultural consumption in their respective areas of supply in their Annual Reports and also in the other filings before the Commission. Excluding the agricultural consumption is contrary to the provisions of the Act, legislative policy and the National Tariff Policy, and also tantamount to undue preference prohibited by law.

From the figures of first quarter 2011-12, it is found that the overall supply deficit is about 5.34%, whereas the sales to the Agricultural sector is higher by 13.38% over the allocation made in the tariff order. Thus, it can be concluded that the high cost of power was occasioned more by increased sale to agricultural sector by as much as 18% over the industrial consumers

Replies of Licensees:

As per condition: 1 of section 45(B) of the subject regulation, the consumption of agriculture sector would be excluded till the Commission is satisfied that metering of agriculture consumption is complete, as maybe notified in the Tariff Orders from time to time; DISCOMs have submitted FSA proposals in accordance with regulation in vogue.

FSA was computed and submitted to Hon'ble Commission as per the formula envisaged vide section 45(B) of Conduct of Business Regulations as amended in 2003. The agriculture consumption is not considered in FSA computation as per condition (1) of section 45(B). And the licensees have submitted their FSA filings within the stipulated time mandated by regulation

Commission's Views:

During the public hearings, representatives of industrial sector and representatives of domestic consumers argued that exclusion of the Agricultural Consumers would result in levy of unjustified additional burden of FSA on the other categories of consumers. Majority of the representatives/learned counsels of the industrial consumers argued that the Agricultural part of FSA burden should either be borne by the Agricultural consumers themselves or by the Government, who announced the 'free power for Agricultural pump sets' policy, but, not the consumers falling under the remaining categories. Objectors brought to the notice of the Commission that with effect from 2005, supply of electricity without metering is unauthorized as per section 55 of Electricity Act and that any supply made in contravention of this provision cannot be a basis for levying FSA charge pertaining to un-metered Agricultural consumption onto the other consumer categories. All the contentions of the objectors, in respect of excluding the Agricultural consumers from levying of the FSA charges, have been examined by the Commission in terms of the provisions of the Electricity Act, the Regulations of APERC on the aspect of FSA and the relevant judgments of the Hon'ble Appellate Tribunal for Electricity. Section 55 of the Electricity Act, 2003 which stipulates that Electricity shall not be supplied after two years of the appointed date except through installation of meters, has to be examined in the context of the observations of the Hon'ble Appellate Tribunal for Electricity (ATE), on the agricultural consumption. Section 55 of the Electricity Act, 2003 reads as follows:

'Sec 55 (1): No Licensee shall supply electricity, after the expiry of two years from the appointed date, except through installation of a correct meter in accordance with the regulations to be made in this behalf by the Authority.

Provided that the licensee may require the consumer to give him security for the price of a meter and enter into an agreement for the hire thereof, unless the consumer elects to purchase a meter'.

‘Provided further that the State Commission may, by notification, extend the said period of two years for a class or classes of persons or for such area as may be specified in that notification’.

‘Sec 55 (2): For proper accounting and audit in the generation, transmission and distribution or trading of electricity , the Authority may direct the installation of meters by a generating company or licensee at such stages of generation, transmission or distribution or trading of electricity and at such locations of generation, transmission or distribution or trading, as it may deem necessary.’

Hon’ble Appellate Tribunal for Electricity, Vide its Order dated: 07-02-2008, in Appeal No: 250 of 2006 (5 Nos of Distribution Licensees of Karnataka Vs Karnataka ERC & KPTCL), in the matter of power supplied to the agricultural consumers, had held that *‘Once a decision has been taken by the Government, it may not be proper to designate the existing connections as unauthorized’ (Para-32 of the ATE’s Order)*. Hon’ble ATE further had held that *“in view of the aforesaid discussions and since interest of consumers is being protected by the appellants, we hold that the Commission should allow the power requirement as estimated by the appellants” (Para-33 of the ATE’s Order)*. As far as Andhra Pradesh state is concerned, the policy decisions of the Government of Andhra Pradesh, with reference to supply of electricity to agricultural consumers, are very clear for each tariff year and that they not only mandate the DISCOMs to supply electricity to agricultural consumers but also that the same should not be charged. This had been brought out clearly in the Tariff Order for 2010-11. Hence, the criterion prescribed by the Hon’ble ATE , viz., *“decision has been taken by the Government, in the matter of power supplied to the agricultural consumers,”* stands fulfilled and hence the arguments of the objectors referring to Sec: 55 of the Act, cannot be sustained.

Coming to the provisions in the regulations of the Commission on FSA, the position is as follows- (Condition No: 1 of 45-B of Conduct of Business Regulations):

‘The FSA as worked out will be distributed among all categories of consumers that existed in the quarter. However, the consumption by the Agricultural sector will be excluded till the Commission is satisfied that metering of Agricultural consumption is complete, as may be notified in the tariff orders from time to time’

The observations of the Commission on this aspect of metering of the Agricultural services, in the tariff order for FY 2011-12, are also given below. These observations of the Commission, in the Tariff Order for FY 2011-12, clearly indicate that the Commission is also not satisfied with the ground reality that metering of agricultural consumption has not yet taken place in a complete manner.

“Para-34: *The four Licensees estimated the agricultural consumption for FY2010-11 based on meter readings available from Low Voltage (LV) side of agricultural Distribution Transformers (DTRs) on sample basis and agricultural pump set census carried out in early 2000s. The procedure adopted involves two steps; (a) computing the Specific consumption per HP (kWh/HP) from sample metered DTRs, and (b) extrapolation of this specific consumption on pump set census to get company wide consumption estimate. They then reckoned the likely number of new agricultural connections that may be released.*

Para-35: *The proposed sales volume to this consumer category by each of the Licensee is given in Table 10.*

Table 10: Proposed sales volume to LT V – Agriculture (MU)

Sales to LT Agriculture	CPDCL	EPDCL	NPDCL	SPDCL	Total
Proposed by Licensee	8122.13	1916.11	4154.22	4393.44	18585.90

Objections/Suggestions: *Dr M Thimma Reddy and Shri Gade Diwakar observed that there is no uniformity among the DISCOMs in explaining the estimation of agriculture consumption. M/s Trion properties and M/s Raheja IT*

Park (Hyd) Pvt Ltd, also expressed that the DISCOM's estimates are not scientific. They also stated that the DISCOM is carpeting some quantum of losses on the account of agriculture consumption which is heavily cross subsidised and externally subsidised. They requested that the Commission should examine and properly regulate these claims. Sri K Sankar Reddy stated that all the HVDS distribution transformers should be metered and agricultural consumption should be accounted.

Several other consumers and other stakeholders have raised the concern that the estimate of sales is on higher side in view of (a) the licensees do not supply electricity continuously for seven hours throughout the year, (b) All the pumps would not be functioning all the time for complete 7 hours supply and Licensees estimate the consumption for all 7 hours (c) the data is faulty as observed by them and by the Commission in previous tariff orders, and (d) Licensees are masking the distribution losses in the form of higher agricultural consumption estimates. According to the objectors, the agricultural consumption has to be estimated correctly with appropriate method and information.

Commission's views: *The Licensees have verifiable data of only total LT input and total metered sales. The difference comprises of agricultural sales and losses. Breaking up of this "difference" between losses and agricultural sales is imprecise as the agriculture sales are arrived at by a process of estimation. The issue therefore is to what extent the consumption shown can be validated? In absence of metering and actual data, how valid is the estimate made by the DISCOMS in their filings? The Commission had already issued an alternate methodology (formulated by Indian Statistical Institute) to measure agricultural consumption on the request of APTRANSCO and Licensees. The Commission notes that the Licensees are unable to put the new methodology suggested by M/S ISI, Hyderabad and approved by the Commission based on DTR meter readings in use. However, progress in metering DTRs is mentioned by the Licensees. The Commission expects that the consumption estimates based on new methodology would be available at the earliest. The Commission directs that:-The Licensees shall immediately*

report the progress on implementation of new methodology and also make a presentation to the Commission on or before May 31, 2011. The progress report on implementation of new methodology shall be put on their respective Licensee websites and these reports should be periodically updated. Till the time the new methodology is implemented, the existing method of estimating consumption based on DTR meter readings shall be continued.

The projected sales volume for the category- LT-V: Agricultural consumers for FY2011-12 are significantly higher than the volume approved by the Commission for FY2010-11. The Licensees requested for approval of the estimated consumption volume in view of impending release of new services under both regular and Tatkal schemes as communicated by the Government of Andhra Pradesh. In the absence of reliable information on consumption estimates submitted by the Licensees and the new agricultural connections to be added during FY2011-12, the Commission decided to approve the sales volume at 9 percent higher than the volume approved by the Commission for FY2010-11. It is to be noted that the sales volume approved for FY2010-11 is higher by 8 percent over the sales volume approved for FY2009-10. The Licensees shall be in a comfortable position to meet the energy demands from agricultural consumers with the increase in agricultural volumes approved for FY2010-11 and FY2011-12. The details of the sales approved by the Commission for FY2011-12 are given in Table 11.

Table 11: Sales Volume to LT-V Agriculture (MU)

Item	CPDCL	EPDCL	NPDCL	SPDCL	Total
Proposed by Licensee	8122.13	1916.11	4154.22	4393.44	18585.90
Approved by the Commission	7339.82	1558.81	3596.07	4074.52	16569.23

While approving the sales volume for this category of consumers, the Commission feels that while 100% metering is most desirable, it will still take some time to attain 100% metering and in the meanwhile, alternate mechanisms for best approximation and estimation should be implemented at the earliest.”

Considering all the above aspects, connected with taking up the Agricultural consumption also into consideration while computing the FSA charges, Commission has decided to proceed with the FSA computations, excluding the consumption pertaining to the agricultural services from the denominator in the formula for computation of FSA, as envisaged in 45-B of the Business Regulations.

Issue 13

31. Grossing up of metered sales for FSA claim:

Views of Objectors

Sri M Badrinath of Secunderabad and others submitted the following objections:

DISCOMs grossed up the metered sales by the loss percentage allowed to them by APERC i.e., for the metered energy added the energy that would have lost in the transmission system and distribution system calculated at the percentage allowed by the APERC. Such method is laden with errors and inaccuracies and will not be correct in terms of the regulations of the APERC.

Since all the energy purchased is metered, the DISCOMs should have based their proposals on the actual energy purchases rather than arriving it based on the notional figures. As the claims are not based on actual purchases and actual costs Commission shall direct the DISCOMs to re-file the FSA claims duly calculating the claim based on actual purchases.

Replies of Licensees:

Though regulation doesn't prescribe the methodology, it was intended to limit the purchase quantity to the extent of sales grossed up with approved losses only. The methodology so adopted is to ensure that the impact of the higher losses is not passed on to the consumers.

Commission's Views:

Commission agrees with the views of the DISCOMs stated above.

Issue 14

32. Levy of FSA charges on domestic consumers:

Views of Objectors

Sri M. Sridhar Reddy, Sri. D. Ramu, representatives of Bharateeya Kisan Sangh and others submitted the following objections on the collection of FSA charges from certain domestic & Agl consumers -

FSA shall not be levied on HT & LT Lift Irrigation services, where the farmers are paying the bills.

FSA shall not be levied on the Agro-based industries like horticulture, dairy farms, small poultry farms etc.

Domestic Consumers, with monthly consumption between 100-350 units, shall be exempted.

Replies of Licensees:

FSA will be levied as per Section 45(B) of Conduct of Business Regulations.

Commission's Views:

Levy of FSA charges is being done in the present order as per the provisions in the connected regulation of APERC.

Issue 15

33. Levy of FSA charges on Industrial consumers:

Views of Objectors

Sri Jerome Inigo Jegam of M/s. MRF Limited and other Industrial Consumers submitted the following objections –

The present per unit cost is already hiked to Rs.3.97/- from Rs.2.97/unit from 1st of April, 2012 in addition to Rs.1/unit towards the peak hour's consumption, totaling to Rs.4.97/unit. If FSA for the years 2010-11 & 2011-12 are added, the industrial consumers would be put under tremendous amount of burden and can hardly fight in the competitive market scenario.

Representatives/Learned Counsels of Industrial Consumers like M/s. Mahavir Ferro Alloys, M/s. Agarwal Foundries and others submitted the following objections –

If the claim of FSA, for FY 2010-11 & FY 2011-12, is made in July/ August, 2012 i.e. after expiry of seventeen months from the completion of financial year 2010-11 Industry cannot collect the FSA component from its clients/customers and pay it to the DISCOMs.

If the claim of prior period expenditure is levied on industries after expiry of seventeen months, industries cannot survive and it would not be possible for the industries to pay the old demand.

The industries, during the financial years 2010-11 & 2011-12, have already produced the products and have already arrived at the respective costs of production based on the actual expenditure incurred during the respective financial years. Industries cannot go back to the each customer to recover the difference in the cost of production due to the effect of FSA.

Replies of Licensees:

Section 45-B of the APERC (Conduct of Business) regulation envisages that the licensees are eligible for recovery towards the Fuel Surcharge Adjustment (FSA) for the prices and mix variations in the quantity of energy to be purchased as per the tariff order. The amount filed as FSA for recovery is the incremental price already incurred by licensees to be collected as already mentioned in the respective years Tariff Order.

Licensees filed FSA for FY 10-11 & 11-12 with in the stipulated time as prescribed in section 45(B) of Conduct of Business Regulations as amended in 2003.

FSA formula provides for recovery of prior period expenditure. Further, the amount claimed under the head 'prior period expenditure' is the amount already incurred by licensees. The licensees cannot survive without recovering the incremental costs

It is specifically mentioned by the Hon'ble Commission in the Tariff Orders of 2010-11 and 2011-12 under the head schedule of retail tariff and terms & conditions that FSA will be extra as applicable as notified by the Commission from time to time and incremental cost now proposed to recover was already incurred by licensees.

Commission's Views:

FSA is a supplementary charge to the main tariffs already fixed by the Commission in the respective Tariff Order and is levied as per the provisions in the connected regulation of APERC. Commission, while issuing the Tariff Order, mentioned that FSA would be extra as applicable and as notified by the Commission from time to time, with a view that the consumers would get themselves ready for any future levies on account of FSA charges. FSA charges are levied to enable the licensees to recover the expenditure already incurred and non-recovery of such already incurred expenditure will severely affect the finances of the licensees.

Issue 16

34. Changes in pattern of levy of FSA-Amendment of Existing FSA Regulation:

Views of Objectors

Sri K. Raghu, Sri. B V Raghavulu of CPI (M), Sri. M. Venugopala Rao Sr. Journalist and others submitted the following suggestions/ objections –

Merchant plants in AP are not following the directions of Group of Ministers, Gol, that the power generated by these plants against the fuel allocated them shall be supplied to APDISCOMs at regulated price. Whatever excess money is paid to these units shall be recovered from them and to that extent FSA shall be brought down.

Cross subsidy surcharge is not being collected from the open access consumers for the last few years. Collection of cross subsidy surcharge would have reduced the FSA burden to some extent. Commission may pay attention to this aspect and explore retrospective recovery of these charges.

The CAG in its recent report also drew attention to the loss of income due to not collecting these charges.

FSA shall not be collected from consumers who are paying minimum charges. Since FSA is treated as deferred tariff, the principles applied for determining tariff to different categories/slabs of consumers, should be applied for FSA also. In other words, FSA amount should be proportionate to the tariffs applicable to different categories/slabs of consumers.

FSA should be made applicable to all categories/slabs of consumers, including agricultural consumers. Since the Government, as a matter of policy, is bearing subsidy for free supply of power to agriculture, it should also bear subsidy required for the FSA of agriculture.

The prayer of CPDCL through its letter dated 12-08-2010 is as follows: "The Hon'ble Commission is requested to approve FSA for the year 2010-11 and permit the Licensee to collect FSA amounts during 2010-11 on weighted average basis of Rs. 0.45 per unit per month from Non-Domestic and Non-Subsidized categories". What does it mean? Are the domestic consumers exempt from FSA?

Commission's regulations pertaining to FSA are not rational and that they need to be amended in a fair manner. Commission has not given its order after the public hearing, held on 16.08.2011, for amending its FSA regulations. Responding to the issue of amending FSA regulations raised by the objectors during public hearing on ARR and tariff proposals of the Discoms for the year 2012-13, the Commission has responded in a casual manner in its tariff order for 2012-13 (Page-96).

Replies of Licensees:

In order to facilitate the development of electricity market, the Ministry of Power has issued the approach and the guidelines on development of Merchant Power Plants, for which coal linkage/captive coal blocks allotment, would be available. Unlike traditional utilities, merchant power plants compete for customers and absorb the full market risk. There are no guarantees that

they have a minimum off-take of their output. Typically the risk of a merchant power plant is carried on the balance sheet of the promoter. However, the procurement price is discovered through competitive bidding.

Notices are being served for collection of cross subsidy surcharge from open access consumers but certain consumers have approached court.

Suggestions and objections of licensees on proposed amendment to FSA regulation were already submitted. The prayer of CPDCL vide its letter dt.12.08.2010 is on the presumption that GoAP may take a decision on levy of FSA on domestic category of consumers.

Licensees already submitted their views on the amendments proposed to the existing regulations on FSA.

Commission's Views:

Even while issuing the Tariff Order for FY 2012-13, Commission examined the issue pertaining to Merchant plants in AP, which are not following the directions of group of Ministries, GoI, that the power generated by them against the fuel allocated shall be supplied to APDISCOMs at a regulated price and issued the necessary directions.

Commission is in the process of determining the cross subsidy surcharge applicable to the Open Access consumers. Public hearing on this subject was held on 13-08-2012 and the Commission proposes to finalize the matter very expeditiously.

As regards amendment to the FSA Regulation, the Commission had earlier conducted a public hearing to solicit the views and suggestions from the stakeholders on certain proposed amendments. The matter is still under the consideration of the Commission. Meanwhile, the need for certain further amendments have been brought to the notice of the Commission and the Commission is in the process of taking a holistic look at the entire methodology of levy of FSA in order to bring about a suitable structural mechanism of FSA.

Issue 17

35. Claims made for coal Prices:

Views of Objectors

Representatives of the Political Parties, Dr K Narayana of CPI, Sri Kiran Kumar Reddy of YSR Congress Party, Dr. Thimma Reddy of Peoples' Monitoring Group on Electricity Regulation and others submitted the following objections –

Hikes in fuel prices as well as import of high cost coal seems to be one of the important reasons for the proposed FSA burden. Licensees may be directed to provide the information on quantum of power produced with domestic fuels and changes in their prices and the quantum of power produced with imported coal and the respective prices.

Licensees may be directed to inform whether the imported coal yielded the promised Gross Calorific Value (GCV) and whether this is commensurate with the price paid for it.

There were reports of malpractice in procuring imported coal and CMD of APGENCO had to go to press denying any such things. Still there are questions on why APGENCO depended on middle men instead of procuring imported coal directly.

Replies of Licensees:

All the invoices were submitted to Hon'ble Commission along with FSA filing and additional information is being submitted as when called for prudent check by APERC. The relevant information on coal consumption and GCV were submitted to Hon'ble Commission.

Commission's Views:

Licensees had furnished the details like quantities used costs incurred, Gross calorific Values (GCV) of the respective coal varieties etc., of the domestic Coal & imported Coal used. Licensees also furnished the station wise quantum of energy generated in kWh, using blended coal with its cost and combined GCV, as obtained from APGENCO, as additional information and

the same is kept available on the Commission's website for the consumption of public.

The variable cost of a generating station depends mainly on the GCV of coal and its price and the same has been scrutinized and posted on the Commission's website.

As per the provisions of the Regulation No. 1 of 2008 (Terms and Conditions for determination of Tariff on Supply of Electricity by Generating Company to Distribution Licensee and Purchase of electricity by Distribution Licensee), the role of Commission is limited to verifying whether the coal imported by APGENCO is procured through competitive bidding or not as the cost of it is levied on the consumers.

Issue 18

36. Backing down of APGENCO units, short term power purchases, observance of Merit Order in terms of SLDC Orders:

Views of Objectors

Representatives of the Political Parties, Sri B V Raghavulu of CPI (M), Dr K Narayana of CPI, Sri Kiran Kumar Reddy of YSR Congress Party, Sri M Venugopala Rao Sr. Journalist, Dr Thimma Reddy of Peoples' Monitoring Group on Electricity Regulation, Sri. Gopal Chowdary and others submitted the following objections:

The additional information provided by the DISCOMs on the short term power purchases does not throw any light on the backing down of APGENCO plants. Either it is a deliberate attempt to benefit certain private power generators or failure on the part of DISCOMs to plan power purchases in an efficient manner. They also raised certain points regarding observance of merit order, the effects of violation of which are also to be adjusted under the formula in the Regulation.

Whether APGENCO was asked to back down its capacity and it tried to sell its surplus capacity through power exchanges. If yes, the details of price and

quantum of power sold by APGENCO, and the additional revenue accrued by it during the two financial years in question?

Quantum of power procured from open market/short term purchases during peak and non-peak hours and the prices during the two financial years in question.

The high cost short term power purchase was also because of the failure of APDISCOMs in booking transmission corridor in time to access cheaper power from other parts of the country.

Had the Commission examined the quarterly FSA claims submitted by the Discoms, held public hearings on the same and issued quarterly FSA orders in time, it would have noticed such deficiencies in purchasing power on short term basis and could have issued necessary directions to the Discoms to correct the same. That the Commission could not do so is a failure of regulatory vigilance and regulatory correction.

Replies of Licensees:

Merit Order details were submitted to Hon'ble Commission as additional information and if any deviations are noticed, cost to that extent would be reduced from the bills of the respective generator and net amount only would be claimed as FSA.

Short term power purchase orders are being placed anticipating the shortages estimated based on present situation. The short term agreements consist of compensation clause in case licensees refuse to take the scheduled energy. However, without backing down approved stations and not scheduling the power from short term power purchase could have much more cost impact. All the short power purchase agreements consisting of quantum and rate are placed in website.

The total units purchased from private generators were 1566 MU during 2010-11. The total MU backed down from the long term PPAs is 3063 MU. In a very dynamic and volatile market like power, a comprehensive view needs to

be taken before coming to any conclusions. It is a fact that APDISCOMs have placed orders for purchase of power from the state private generators at around Rs. 4.50 per unit from June 2010 to May/June 2011. The total quantum of the above Lols is around 400 MW and when converted into MU, it would be around 3600 MU for the whole year. It is to state that at the time of placing the orders, a normal rainfall was anticipated but during the course of the year there were very high rainfalls recorded. This is the basic reason for backing down of 3274 MU. APDISCOMs have taken note of the sudden fall in demand and requested all the state generators to reduce their prices and the generators agreed to reduce to Rs. 4.25 per unit from the original price of Rs. 4.50 per unit. Secondly, utilizing the provisions in the terms and conditions in the power purchase contracts, around 211 MU was curtailed in the Lol quantities of all the generators. Thus, though orders were placed for around 3600 MU, APDISCOMs reduced the ordered quantity to 3400 MU and could restrict purchase to 1566 MU only i.e. around 2000 MU was not at all purchased by APDISCOMs. Thus, APDISCOMs saved virtually around Rs. 850 Cr in this regard without paying any compensation and also collected around 33 Cr towards compensation from the generators, otherwise, the burden on FSA would have been another 550 Cr.

When it comes to system security the state load dispatch center, APSLDC, is the nodal agency. The operations at APSLDC are so critical that at times the cost considerations take back seat in the real time operations. The importance of grid maintenance has become quite evident from the recent twin Black outs in two days consecutive in the NEW grid during July 2012. The grid frequency is the life line of grid maintenance. As per the new UI regulations, the bandwidth shall be maintained is between 49.7 Hz to 50.2 Hz and heavy penalties are levied even for minor deviations. Thus, though the system operator knows that short term purchases are costlier, he may not have sufficient time to contact all the 20 generating stations operators. If back down operations are known well before the operations start, all the private generators can be requested to curtail their quantum. In fact, during 2010-11, based on the request of the APSLDC, APPCC has requested the state generators to back down 20% of their generation from 18th August 2010 to

17th January 2011. Further it is to state that there are very meager purchases from inter-state generators during these months of surplus generation. The relevant statements are attached herewith. Further, the terms and conditions of the long term purchases are drastically different from the short term purchases. It is not correct to put both the purchases on the Bonne scale with respect to back down operations. Keeping all the parameters like system security & cost effective power purchases etc., in view, both APSLDC and APDISCOMs regulate the power supply in the state, be it for the scheduling or backing down of the energies.

Analysis of Back down energies for 2010-11

I (a)	Total Energy supplied to AP Discoms	- 77344 in MU
(b)	Energy supplied by Long Term PPAs	- 73034 in MU
	Total External short term purchases	4310 in MU
	% of short term purchase in the total energy supplied	5.57%
II	<u>Break up of short term purchases</u>	
(a)	Through Inter-state Bilateral	2380 MU
(b)	Through Exchange	364 MU
(c)	Through Intra-State Bilateral	1566 MU
		4310 MU
III	<u>Backing down energies</u>	
(a)	Through long term PPAs	3063 MU
(b)	Through curtailment from Intra state generators	211 MU
	Total curtailment	3274 MU

Commission's Views:

Commission agrees with the response submitted by the DISCOMs.

Issue 19

37. Admissibility of prior period expenditure in respect of APGENCO units & banking of energy:

Views of Objectors

Dr. K. Narayana, Sri. M. Thimma Reddy and others submitted the following objections-

In the claims, DISCOMs submitted that the prior period expenditure is due to the Central Generating Stations, but, a closer look at the particulars reveal

that it is more due to APGENCO. If the prior period expenditure is added to the already approved costs of the units of APGENCO, they become the most costly and inefficient units in the country.

In the past, Commission did not allow banking of energy even in respect of renewable energy. But, DISCOMs claimed for 'non-return of banked energy' in their prior-period expenditure.

Replies of Licensees:

Order was placed for swapping of energy which states that JSWPTC shall supply power to AP from 25-06-11 to 31-07-11 for 200 MW which shall be returned at 103% of power supplied by JSWPTC during 01-11-11 to 15-12-11. In case of shortfall in return energy. APPCC / APDISCOMs the same shall be settled at a price of Rs.4.76/Kwh. As the energy couldn't be returned due to prevailing demand shortage scenario, energy transaction was settled at Rs.4.50/Kwh which was paid in Nov and Dec, 2011.

Commission's Views:

Commission has examined the bills pertaining to the power purchases from APGENCO, submitted by the DISCOMs under 'prior period expenditure' and noticed that the DISCOMs admitted these bills as soon as they were received from APGENCO. On enquiry, it is learnt that the reason for the delay on the part of APGENCO is due to the delay in receipt of the coal bills from various coal mines, within & outside India.

As regards the objection regarding "non-return of banked energy", it is seen that there is only one specific instance viz., pertaining to M/s. JSWPTC. On this item, the Commission finds that the reply of the DISCOMs is satisfactory.

Issue 20

38. Adequacy of ARR Filings:

Views of Objectors

Sri B V Raghavulu of CPIM, Sri M. Venugopala Rao, Sr. Journalist and others submitted the following objections-

The FSA claims of the DISCOMs for the last two financial years about Rs.7314 Cr, which are abnormal and substantiate deliberate regulatory failure on the part of the Commission in realistically assessing and determining revenue requirement and revenue gap of the DISCOMs for the respective financial years. For example, the 4 DISCOMs claimed FSA charges for about Rs.4961Cr for the FY 2011-12, against a tariff hike of Rs.641Cr for the same year. FSA claims should be marginal when compared to the tariffs, unless factors that cannot be foreseen at the time of finalizing the respective tariff order come into play after issuance of tariff order to cause increase in cost of power purchases by the DISCOMs during that financial year.

Replies of Licensees:

Commission issues Tariff Orders based on the estimated quantities and values projected by licensees. Use of imported coal by CGS and APGENCO stations, use of RLNG gas and procurement of power from short term sources to meet the shortages from approved stations, are contributing to incremental costs.

Commission's Views:

The quantum of FSA in a particular quarter depends on a number of factors like procurement of imported coal by Central Generating Stations, shortages in the domestic coal supplies, reservoir levels in hydel power plants, shortage in availability of gas necessitating procurement of the costly RLNG gas etc.

Many of these factors are beyond the control of the licensees. While determining the FSA, the Commission is conducting thorough scrutiny and admitting only the claims that are substantiated.

CHAPTER – IV
METHODOLOGY OF FSA COMPUTATIONS

39. Views of Objectors

Representatives/Learned Counsels of M/s Andhra Spinning Mills Association, M/s Andhra Sugars like Sri Gopala Chowdary, Sri DVAS Ravi Prasad, Sri Challa Gunaranjan, representatives of consumer associations like FAPCCI, FAPSIA, representatives of political parties like CPI, CPM, YSR Congress Party, BJP, individual like Sri M Venugopala Rao, Dr M Thimma Reddy, Sri K Raghu and others submitted the following objections in their written submission / oral representations at the time of public hearing.

When there is no explanation of the expenditure purported to be claimed under “Z” of the formula given in the Regulation (there also being nothing to show what is sought to be claimed under this), we are unable to understand or see how the Commission will carry out proceedings as to what may or may not be allowed there under.

DISCOMs have not furnished the exact figures about $P_i \times E_i$; the consumer is kept in dark about that computation and is deprived of his right to defend his case.

DISCOMs evaded the reply on how the weighted average cost has been computed. There is no reply for whether they have excluded the sales, over & above the limit fixed in the tariff order, to the Agricultural services. DISCOMs are reluctant to explain how they manage the costs of power supplied to the Agricultural services, over & above the ceiling quantities mentioned in the Tariff Orders.

From the statements appended to the proposal, it appears that the FSA is being computed on a state-level basis. Such methodology is not authorised or contemplated by the Regulation and is therefore contrary to law.

The Regulation clearly and unambiguously requires each licensee to give the particulars of its own purchases and expenditure. This requires that each of the DISCOMs must specifically give its own calculations for its own power purchase quantities, sources of supply, costs and claims with reference to the tariff order quantity as approved for that particular DISCOM and the merit order dispatches that are required to be made to meet that DISCOM's energy sales. The main tariff order itself deals with the requirement of each DISCOM separately and with the approved distribution losses and other parameters of each DISCOM separately. FSA shall therefore be determined separately in accordance with these parameters, separately for each DISCOM.

There ought not to be any difficulty in providing separate and complete information by each DISCOM as is done by APEPDCL in its annual accounts for the financial year 2010-11.

It is not at all clear from the statements of information furnished as to how the DISCOMs have purchased and accounted for the power from generating stations as allocated to the respective Discoms specifically under the statutory 3rd Transfer Scheme.

There is no clarity or information with regard to the effect on the net power purchase cost of each of the DISCOMs on sale to another DISCOM or to another entity, and what happens to the power purchase cost variations on such D-D sales.

Because each DISCOM can sell different quantities of energy out of a given quantity of power purchase, due to the different levels of distribution losses that are actually there in each Discom, there cannot be a uniform effect of any variation in power purchase cost and/or fuel cost across all DISCOMs. The methodology adopted in the FSA proposals would enable one or more DISCOMs to realise additional revenue from their consumers in excess of their actual difference in power purchase and/or fuel costs.

The details of the source-wise purchase by each DISCOM are also relevant and necessary to ascertain the sources from which the excess power is purchased.

Replies of Licensees:

APERC has been issuing only one Merit Order for the entire state as a whole. APDISCOMs have been procuring power based on the state level merit order as no separate merit order is available. The sales of each of the licensees were submitted along with FSA filing. The FSA for each of the months is computed based on the incremental cost and the same is apportioned in accordance with the sales made by each of the licensees.

All the information with regard to source wise purchases made during FY 10-11 & 11-12, along with the copies of invoices, were submitted to Hon'ble Commission for orders on FSA.

FSA is computed on purchasable quantity for sales reported by respective licensees and as such only the cost variance on purchased quantity on sales is considered. The cost variance on any other sales is not factored in FSA claims.

Commission's Views:

Regarding the objections on the uniform FSA charge across the entire state, Commission would like to refer to the Tariff Order for FY 2011-12, wherein the Govt of Andhra Pradesh, u/s 108 of Electricity Act 2003, issued a policy direction that the tariff is to be maintained uniform across the State and accordingly the Commission kept the tariffs uniform across all the four DISCOMs in the State. When the main tariff rates had been maintained uniform across the four DISCOMs in the State, in accordance with the policy direction given by GoAP u/s 108 of EA 2003, the question of determination of FSA rates on differential basis does not arise since the FSA component is nothing but a surcharge on main tariff and the original tariff together with FSA now being determined will be the eventual effective overall tariff, which has to be construed as the figure which is expected to be uniform across the

DISCOMs. Based on this, Commission is of the view that it is not possible to have DISCOM wise/Category wise FSA rates for different DISCOMs and for different consumer categories.

Regarding the objections on the merit order dispatches & D-D sales, it is found that DISCOMs had separately furnished their (i) category-wise, month-wise, voltage-wise sales quantity, (ii) month wise power purchase quantity, grossing up limiting the Agricultural sales to minimum of Tariff Order quantity (or) actual sales, with approved losses as per MYT. Tariff Order contains the month-wise single merit order for entire State. The D-to-D transaction at end of the quarter has not been done since it results category wise differential tariff across the DISCOMs which will be contrary to the policy directions issued by GoAP u/s 108 of EA 2003, as explained in the preceding paragraphs.

The methodology being followed by the Commission for computing the Fuel Surcharge Adjustment (FSA) is as follows:

- a) The formula prescribed in Section 45-B of Conduct of Business Regulations, read with Amendment 1 of 2003 which contains four components to arrive at the amount eligible for recovery towards FSA during any quarter. These components constitute the numerator of the FSA formula, which are described below:

$$F = \frac{(P_i \times E_i + FC_i + Z + A_i)}{Q}$$

Where,

P_i is the difference in the monthly Weighted Average Variable Cost in Rupees, adjusted to four decimal points, of power purchase cost in a month during quarter 'i', for the approved power purchase quantity, **E_i**, for the month computed for FSA purposes, as given below, compared to the Weighted Average Variable Cost for the said month adopted in the tariff order.

E_i is the monthly energy purchase as mentioned in the tariff order in kWh (or its equivalent actual monthly draws in each month) during the quarter 'i' to be submitted for each of the generating stations,

Or

approved power purchase quantity for each month, during the quarter 'i', computed for FSA purposes, drawn in monthly Merit Order up to the power purchase requirement (calculated by grossing up the actual sales for the respective month with Commission approved losses) for each month,

Or

actual energy purchased by all DISCOMs for each month, during the quarter 'i', whichever is lower or considered prudent to be applicable for the month.

FC_i difference in Rupees, of the actual total monthly fixed charges of the generating stations, from the base values adopted in the tariff order, during the quarter 'i'.

Q_i is the actual energy sold to all categories in kWh in the quarter in Discoms or Rescos, subject to condition No. 1 mentioned hereunder.

Z is the changes in the cost in Rupees as allowed by the Commission, for any month during the quarter 'i', which is counted for a period extending in the past beyond the relevant quarter 'i' but claimed by any generating company along with any monthly bill raised during quarter 'i'.

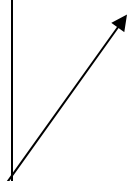
A_i adjustment in Rupees to account for the financial impact of demonstrated incidents of merit order violation on account of controllable factors or any other events during the quarter 'i', the financial impact of which, in the Commission's view, should be given appropriate treatment.

Condition No.1: The FSA as worked out will be distributed among all categories of consumers that existed in the quarter. However the consumption by the agricultural sector will be excluded till the Commission is satisfied that metering of agricultural consumption is complete, as may be notified in the Tariff Orders from time to time.

- b) The Discoms have submitted that all variable costs are admitted and paid for actual energy supplied keeping in view of the operating norms envisaged in successive regulations and the cost related to coal, gas, GCV etc., is audited and authenticated by the internal auditors and AG audit.
- c) The invoices/bills have been checked prudently by the Commission. The claims based on the approval of CERC/ APERC and as per the provision of the PPAs are allowed. The other claims such as Transmission charges, SLDC charges, PGCIL charges, Posoco claims, STOA charges etc. which are not covered under power purchase item in Tariff Order are disallowed.
- d) Based on FSA proposal filed and additional information furnished/clarification given by Discoms subsequently, the Discom-wise, month-wise, category-wise, voltage-wise actual sales in kWh made during FY 2011-12 (including concerned RESCOs sales) have been scrutinized. While arriving the Discom-wise, month-wise, voltage-wise sales, the LT agriculture sales are limited to least of (i) target given in the tariff order (or) (ii) actual energy consumed by agricultural category consumers. The Discom-wise monthly power purchase quantity is arrived at by grossing up the above sales figures (voltage-wise) with the approved line losses voltage-wise for respective financial years in the 2nd control period Multi Year Tariff Order.
- e) After arriving the Discom-wise, month-wise power purchase quantity, the AP state level month-wise power purchase quantity is arrived by summing up all the Discoms power purchase quantity.
- f) The AP state level month-wise power purchase quantity so arrived is required because month-wise single merit order given in the Tariff Order by the Commission considering AP state as a whole. The state level power purchase made as per merit order furnished by the Discoms, is limited to (i) power purchase quantity as per Tariff Order for corresponding month (or) (ii) power purchase quantity arrived based on sales of AP state whichever is lesser. This component is classified as (Ei) in the FSA formula as per clause 45(B) of the Business Regulation.

- g) The merit order being followed for purpose of drawl of power is as follows: (i) NCEs, (ii) must-run stations (iii) APGenco Hydel stations (iv) least variable cost thermal stations (v) IPPs.
- In case there is any shortfall in supply of energy by the approved stations, the shortfall of such energy is made up by short-term procurement, by limiting the quantities and rates as per the limits prescribed in the Tariff Order for short-term power purchases.
- h) The actual weighted average cost is arrived by dividing the total variable cost in the merit order with power purchase quantity of the quarter (E_i).
- i) The difference of actual weighted average cost so arrived and weighted average cost as per tariff order is specified as (P_i) in the FSA formula.
- j) Thus the total variable cost is arrived by multiplying P_i with E_i . Where P_i (i.e. P_i in the FSA formula as per clause 45(B) of Business Regulation) is the difference between the actual weighted average variable cost so arrived as per merit order and weighted average variable cost as per Tariff order and E_i (i.e. E_i , in the FSA formula as per clause 45(B) of Business Regulation) is the quantity of energy purchased and allowed by Commission after scrutiny.
- k) The Discoms have submitted the station wise actual fixed costs in monthly statements. The Discoms have shown the variation in transmission charges, SLDC charges and PGCIL charges as under fixed charges. These are not part of power purchase cost as per Tariff Order and hence disallowed as stated in earlier paragraphs.
- l) The DISCOMs have stated that the variation in fixed cost is due to variation in taxes, incentives, variation in capital cost and interest there on etc. These claims arising from such variations pertain to CGS as per CERC Regulations and pertain to APGENCO stations as per APERC Regulations. The bills on this account have been scrutinized by the Commission and allowed.
- m) The difference in actual fixed charges (in the merit order) and the fixed charges as per Tariff Order is specified as FC_i (i.e. FC_i , in the FSA formula as per clause 45(B) of Business Regulation).

- n) The Discoms have shown certain amount in the FSA claims under the item (i.e. Z) in the FSA formula under clause 45 (B) of Business Regulations as prior period expenditure. The Discoms have shown that the part of the amount in the prior period expenditure pertains to variable cost of APGenco for the previous quarter. On this the Discoms have stated that the payment bills pertain to variable cost (fuel cost bills) of generating stations from APGenco of previous quarter have been received in the present quarter and hence shown in this quarter as prior period expenditure. The other prior period expenditure bills pertain to Central Generating Stations claimed by NTPC/Nuclear Power Stations as per CERC Regulations. These bills have been scrutinized by the Commission and allowed except STOA charges and Posoco charge which is not part of power purchase amount in the tariff order and hence disallowed. The remaining amount covered and approved under prior period expenditure is Zi (i.e. Zi in the FSA formula under clause 45 (B) of Business Regulations).
- o) To arrive the FSA claim amount quarter-wise, month-wise values of FCI and Z are summed up together with respective quarter-wise value of $P_i \times E_i$.
- p) The FSA eligible units (i.e. Q in the FSA formula under clause 45 (B) of Business Regulations) have been arrived by totaling the month-wise actual sales excluding agricultural sales for the entire quarter.
- q) The FSA rate to be billed for entire quarter is arrived by dividing the FSA claim amount for quarter with FSA eligible units of respective quarter.
- r) The Discom-wise quarterly FSA amount is arrived multiplying with quarterly FSA eligible units of Discom with FSA rate.

<p>wise losses or the purchase quantity indicated in T.O whichever is less. In the case of Agrl. Sales it is limited to T.O monthly quantity or Actual sales whichever is less.</p> <ul style="list-style-type: none"> High cost power purchased from other sources if any, to supplement any shortfall in the approved stations, has been limited to a maximum ceiling price of Rs.5.50/kWh for short-term purchases indicated in the TO. (Annexure AI) <p>Based on above scrutiny, the Weighted Average Variable Cost of Energy (Rs/kWh) is as follows:</p> <table border="1" data-bbox="199 757 1216 884"> <thead> <tr> <th>Merit Order Month</th> <th>Jan-12</th> <th>Feb-12</th> <th>Mar-12</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Actual Variable cost spent Rs.Crs</td> <td>1112.15</td> <td>1239.21</td> <td>1218.38</td> <td>3569.73</td> </tr> <tr> <td>Purchased units (For FSA Purpose)</td> <td>6591.37</td> <td>6748.61</td> <td>7159.48</td> <td>20499.46</td> </tr> <tr> <td>Pi - Variable CPU (Ps/kWh)</td> <td colspan="3"></td> <td>1.7414</td> </tr> </tbody> </table>	Merit Order Month	Jan-12	Feb-12	Mar-12	Total	Actual Variable cost spent Rs.Crs	1112.15	1239.21	1218.38	3569.73	Purchased units (For FSA Purpose)	6591.37	6748.61	7159.48	20499.46	Pi - Variable CPU (Ps/kWh)				1.7414	<p>1.7414</p> 
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Purchased units (For FSA Purpose)	6591.37	6748.61	7159.48	20499.46																	
Pi - Variable CPU (Ps/kWh)				1.7414																	
<p>Pi - Difference in the Weighted Average Variable Cost (Rs/kWh) as determined by the Commission as compared to the figure in the Tariff Order. (Annexure AI)</p> <p>(The Pi. Allowed by the Commission is lesser by 24.29 paise/kWh than the claim made by the DISCOMs)</p>	<p>0.1465</p>																				
<p>41. <u>Actual Energy Purchase (Ei)</u></p>	<p>(MU).</p>																				
<p>DISCOMs' Claim:</p> <p>Actual Energy Purchase (MU) quantity claimed by the DISCOMs for the purpose of FSA. (Annexure A-I)</p> <ul style="list-style-type: none"> <i>Even though actual energy purchase by the DISCOMs for the quarter is 22344.70 MU, DISCOMs have limited their claim to 22288.36 MU.</i> <i>DISCOMs' claim is based on actual sales including Agl as per Audited Accounts and actual losses in the system</i> 	<p>22288.36</p>																				
<p>Commission's Scrutiny:</p> <p>Authorized Energy Purchase (MU) as specified in the T.O(Annexure – D (III) page 217 to 221 of T.O. 2011-12)</p>	<p>22642.93</p>																				

Merit Order Month	Jan-12	Feb-12	Mar-12	Total	
Purchased units (For FSA Purpose)	6591.37	6748.61	7159.48	20499.46	
Taking in to account, the required energy purchase based on actual sales to metered categories, quantum of sales specified for Agriculture category in the Tariff Order and the losses specified in the Tariff Order, the Commission has allowed, the Actual Energy Purchase (Ei) (Annexure A-I) as					20499.46
42. <u>Variation in the Variable Cost: (Pi X Ei)</u>					(Rs. Crs)
DISCOMs' Claim:					
Variation in the Variable Cost (0.3894*22288.36)/10					867.93
Commission's Scrutiny:					
Variation in the Variable Cost as allowed by the Commission: (0.1465*20499.46)/10					300.27
(The scrutiny of the Commission, in this parameter, has resulted in the reduction of DISCOMs claim by an amount of Rs.567.66 Crs.)					
43. <u>Difference in actual Fixed Charges (FCi)</u>					(Rs. Crs)
DISCOMs' Claim:					
Fixed cost specified in the T.O.					2412.48
Actual Fixed Cost paid for the quarter as claimed by the DISCOMs for FSA claim purpose (Annexure A-I)					2659.27
<ul style="list-style-type: none"> DISCOMs have claimed transmission & SLDC charges, PGCIL & POSOCO charges also as part of fixed charges. 					246.79
Difference in the actual fixed charges as compared to the figure for fixed charges as specified in the T.O. (Annexure A I)					
Commission's Scrutiny:					
Fixed Cost Payment for the quarter as specified in T.O. (Derived from Annexure-F, Page-225 & G(I), Page- 227 of T. O. 2011-12)					2040.38
Commission has accepted the figure claimed by DISCOMs on this account and determined the actual Fixed Cost paid for the quarter as					2220.59

Difference in the actual fixed charges as compared to the figure for fixed charges as specified in the T.O. FCi (as allowed by Commission) (Annexure –A I).	180.22																				
<table border="1"> <thead> <tr> <th>Merit Order Month</th> <th>Jan-12</th> <th>Feb-12</th> <th>Mar-12</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Actual Fixed Cost Paid (Rs Crs)</td> <td>789.87</td> <td>697.22</td> <td>733.50</td> <td>2220.59</td> </tr> <tr> <td>Fixed Cost as per TO (Rs Crs)</td> <td>680.13</td> <td>680.13</td> <td>680.13</td> <td>2040.38</td> </tr> <tr> <td>Fci - Diffn in Fixed Cost (Rs. Crs)</td> <td>109.75</td> <td>17.10</td> <td>53.38</td> <td>180.22</td> </tr> </tbody> </table>	Merit Order Month	Jan-12	Feb-12	Mar-12	Total	Actual Fixed Cost Paid (Rs Crs)	789.87	697.22	733.50	2220.59	Fixed Cost as per TO (Rs Crs)	680.13	680.13	680.13	2040.38	Fci - Diffn in Fixed Cost (Rs. Crs)	109.75	17.10	53.38	180.22	
Merit Order Month	Jan-12	Feb-12	Mar-12	Total																	
Actual Fixed Cost Paid (Rs Crs)	789.87	697.22	733.50	2220.59																	
Fixed Cost as per TO (Rs Crs)	680.13	680.13	680.13	2040.38																	
Fci - Diffn in Fixed Cost (Rs. Crs)	109.75	17.10	53.38	180.22																	
44. <u>Prior Period Expenditure (Zi)</u>	(Rs. Crs)																				
<p>DISCOMS' Claim:</p> <p>Prior Period Expenditure for the quarter as claimed by DISCOMS. (Annexure A-I)</p> <p><i>DISCOMS have claimed prior period expenditure on actual basis incurred in respect of certain generating stations.</i></p>	650.85																				
<p>Commission's Scrutiny:</p> <p>Commission has scrutinised the figure of DISCOMS on this account and determined the Prior Period Expenditure Zi as</p> <table border="1"> <thead> <tr> <th>Merit Order Month</th> <th>Jan-12</th> <th>Feb-12</th> <th>Mar-12</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Z - Prior Period cost (Rs. Crs)</td> <td>-0.02</td> <td>0.00</td> <td>650.87</td> <td>650.85</td> </tr> </tbody> </table>	Merit Order Month	Jan-12	Feb-12	Mar-12	Total	Z - Prior Period cost (Rs. Crs)	-0.02	0.00	650.87	650.85	650.85										
Merit Order Month	Jan-12	Feb-12	Mar-12	Total																	
Z - Prior Period cost (Rs. Crs)	-0.02	0.00	650.87	650.85																	
45. <u>Adjustments for Merit Order Violations (Ai)</u>	(Rs. Crs)																				
<p>The DISCOMS have not claimed any adjustments on this item. The Commission has accepted the stand of the DISCOMS.</p> <p>Hence Ai is determined as</p>	0																				

46. Calculation of FSA Amount:

(Rs. in Crs.)

Based on the above determination, the Commission has determined the FSA amount as follows:

Pi x Ei / 10	(0.1465*20499.46)/10	300.27
FCi		180.22
Zi		650.85
Ai		0
FSA amount	(Pi x Ei / 10 + FCi + Zi + Ai) (300.27+ 180.22 + 650.85 + 0)	1131.34

(The FSA amount claimed by the DISCOMS is Rs 1765.57 Crs)

47. <u>FSA eligible Sale Units (Qi)</u>	(MU)
DISCOMs' Claim:	
FSA eligible units as claimed by the DISCOMs	12055.68
<i>Claim of the DISCOMs includes consumption towards HT IV – Private Lift Irrigation Schemes also.</i>	
Commission's Scrutiny:	
FSA eligible units as specified in Tariff Order (Excl L.T Agrl): (Annexure H (i), pg-238 to 240 of T.O. 2011-12)	14008.76
After scrutiny, the Commission has considered HT Agriculture sales also for the purpose of FSA.	
FSA eligible units allowed by the Commission. (Annexure –AI)	11916.33
48. <u>FSA Rate (Fi)</u>	(Paise / kWh)
<u>FSA amount * 1000 / Qi</u>	94.94
FSA Rate for the Fourth Quarter of FY 2011-12 as per the above determination of the Commission comes to (1131.34 * 1000 / 11916.33)	

(The per unit FSA claim of the DISCOMs is paise 146.45 / kWh)

49. Discom-wise Fuel Surcharge Adjustment amount claimed and the Commission approved FSA amount is as follows:

APCPDCL (FY 2011-12)	DISCOM filed	APERC Approved
Description	Quarter - IV	
(1) FSA Rate: Paise / kWh	146.45	94.94
(2) FSA Eligible Units (MU)	5617.99	5614.07
(3) FSA Amount (Rs Crs) = (1*2 / 1000)	822.76	533.00

APEPDCL (FY 2011-12)	DISCOM filed	APERC Approved
Description	Quarter - IV	
(1) FSA Rate: Paise / kWh	146.45	94.94
(2) FSA Eligible Units (MU)	2342.71	2257.92
(3) FSA Amount (Rs Crs) = (1*2 / 1000)	343.09	214.37

APNPDCL (FY 2011-12)	DISCOM filed	APERC Approved
Description	Quarter - IV	
(1) FSA Rate: Paise / KWh	146.45	94.94
(2) FSA Eligible Units (MU)	1413.27	1349.80
(3) FSA Amount (Rs Crs) = (1*2 / 1000)	206.97	128.15

APSPDCL (FY 2011-12)	DISCOM filed	APERC Approved
Description	Quarter - IV	
(1) FSA Rate: Paise / KWh	146.45	94.94
(2) FSA Eligible Units (MU)	2681.72	2694.54
(3) FSA Amount (Rs Crs) = (1*2 / 1000)	392.74	255.82

50. The Distribution Licensees are directed to charge FSA on all consumers (Except LT Agriculture) consumers for the fourth quarter of FY 2011-12 on monthly basis with effect from **July-2014** over a period of 3months as shown in the Table below.

Month of Consumption for which FSA is Charged	FSA Rate (Paise /kWh)	To be collected along with monthly bill of
January, 2012	94.94	July-2014
February, 2012	94.94	August-2014
March, 2012	94.94	Sept-2014

This order is signed on 20th day of September, 2012

Sd/-
R. ASHOKA CHARI
MEMBER (TECHNICAL)

Sd/-
C.R SEKHAR REDDY
MEMBER (FINANCE)

Sd/-
A.RAGHOTHAM RAO
CHAIRMAN

Quarter IV (FY 2011-12)

Annexure - A (I)

Particulars	Filing	APERC
	4th Qtr	4th Qtr
Energy actually purchased / T.O approved (MU)	22344.70	22642.93
	Actuals	Tariff Order
Ei - Purchased Energy (in MU) considered for FSA	22288.36	20499.46
Actual Weighted Average Variable Cost (Rs/kwh)	1.9843	1.7414
Power Purchase Cost Rs.Crs	4422.68	3569.73
Weighted Average Variable Cost: T O (Rs/kwh)	1.5949	1.5949
Pi.- Difference in Weighted Average Variable Cost	0.3894	0.1465
(Pi x Ei) (Rs.in Crores)	867.93	300.27
Actual Fixed Cost Paid (Rs Crs)	2659.27	2220.59
Fixed Cost allowed as per TO (Rs Crs)	2412.48	2040.38
Fci - Difference in Fixed Cost (Rs. Crs)	246.79	180.22
Z - Prior Period cost (Rs. Crs)	650.85	650.85
Ai - Adj, for Merit Order violation (Rs. Crs)	-	-
(Pi x Ei + Fci + Zi + Ai)	1765.57	1131.34
FSA Eligible Units (Qi in MU)	12055.68	11916.33
Total Sales (Excl. Agrl.) MU - (Tariff Order)	-	14008.76

Actual Var. Cost	
Jan-12	1112.15
Feb-12	1239.21
Mar-12	1218.38
Qrt-1	3569.73
Units	20499.46
CPU	1.7414

FSA for Fourth Quarter of 2011-12		
Item Name	Claimed by DISCOMs	Allowed by APERC
Quarterly FSA Claim (Rs Crs)	1765.57	1131.34
FSA Eligible Units (MU)	12055.68	11916.33
FSA Rate Paise/kwh	146.45	94.94

Annual FSA Total	
3957.46	Crs
48903.15	MU
80.92	Paise/kWh

DISCOM wise, FSA approved by APERC for Quarter IV (January-March) FY 2011-12

		APERC	
APCPDCL			
Description		Qtr - IV	
(1). FSA Rate: Paise / KWh		94.94	
(2). FSA Eligible Units (MU)		5614.07	
(3) = (1)X(2)/1000.			
FSA Amount recoverable (Rs Crs)		533.00	
APEPDCL			
Description		Qtr - IV	
(1). FSA Rate: Paise / KWh		94.94	
(2). FSA Eligible Units (MU)		2257.92	
(3) = (1)X(2)/1000.			
FSA Amount recoverable (Rs Crs)		214.37	
APNPDCL			
Description		Qtr - IV	
(1). FSA Rate: Paise / KWh		94.94	
(2). FSA Eligible Units (MU)		1349.80	
(3) = (1)X(2)/1000.			
FSA Amount recoverable (Rs Crs)		128.15	
APSPDCL			
Description		Qtr - IV	
(1). FSA Rate: Paise / KWh		94.94	
(2). FSA Eligible Units (MU)		2694.54	
(3) = (1)X(2)/1000.			
FSA Amount recoverable (Rs Crs)		255.82	
		All DISCOMs	
		11916.33	
		1131.34	

Monthly Merit Order and calculation of Variable Cost and Fixed Cost for the month of Jan, 2012

Annexure-A-II

Name of Generating Station or Source of Energy	Energy as per Tariff Order (TO) (MU)	Acatual Energy Purchased (MU)	Actual Variable Cost (VC) charged (Rs. Crs.)	Actual VC/Kwh (Rs.)	Ei (Total energy up to a max. of TO quantum) (MU)	Additional energy (AE) over and above TO Quantum (MU)	Variable Cost for Ei (Rs. Crs.)	Variable Cost for AE (Rs. Crs.)	ACTUAL Fixed Cost (FC) for Ei (Rs. Crs.)	ACTUAL Fixed Cost (FC) for AE (Rs. Crs.)	Prior Period Exp (Rs. Crs.)
NCEs	260.88	135.30	44.16	3.26	135.30	0.00	44.16	0.00	0.00	0.00	0.00
NPC Kaiga - I& II	55.35	65.00	19.77	3.04	65.00	0.00	19.77	0.00	0.00	0.00	0.00
NPC Kaiga - III & IV	0.00	55.47	16.87	3.04	55.47	0.00	16.87	0.00	0.00	0.00	0.00
NPC-MAPS	19.00	16.60	3.30	1.99	16.60	0.00	3.30	0.00	0.00	0.00	0.00
NTPC(ER) - Farakka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03
NTPC(ER)-Kahalgaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04
NTPC(ER)-Talcher-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LVS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.73	0.00	0.00
APGE-Hydel	557.71	323.37	0.00	0.00	323.37	0.00	0.00	0.00	83.98	0.00	0.00
KTPS VI	292.30	318.55	36.00	1.13	318.55	0.00	36.00	0.00	49.02	0.00	0.00
Kakatiya Stage-I	309.88	287.47	33.35	1.16	287.47	0.00	33.35	0.00	54.08	0.00	0.00
KTPS V (D)	304.67	258.73	33.12	1.28	258.73	0.00	33.12	0.00	17.84	0.00	0.00
KTPS(ABC)	411.41	402.59	51.53	1.28	402.59	0.00	51.53	0.00	29.39	0.00	0.00
VTPS IV	309.88	274.06	38.92	1.42	274.06	0.00	38.92	0.00	43.32	0.00	0.00
NTPC-Talcher-ST II	300.11	225.37	33.20	1.47	225.37	0.00	33.20	0.00	19.58	0.00	0.00
VTPS(I,II,III)	769.79	780.77	123.36	1.58	780.77	0.00	123.36	0.00	38.90	0.00	0.00
NTPC(SR)	473.98	433.47	69.49	1.60	433.47	0.00	69.49	0.00	67.50	0.00	0.00
RTS-B	35.95	40.04	6.57	1.64	40.04	0.00	6.57	0.00	4.06	0.00	0.00
RTPP -ST III	100.10	124.94	22.11	1.77	124.94	0.00	22.11	0.00	24.08	0.00	0.00
RTPP-I	255.89	255.03	45.14	1.77	255.03	0.00	45.14	0.00	18.29	0.00	0.00
RTPP-ST II	255.89	256.20	45.35	1.77	256.20	0.00	45.35	0.00	36.48	0.00	0.00
APGPCL ST-II	19.23	20.34	3.64	1.79	20.34	0.00	3.64	0.00	1.30	0.00	0.00
NTPC-Simhadri -II	221.22	122.64	22.86	1.86	122.64	0.00	22.86	0.00	20.98	0.00	0.00
NTPC-Simhadri -I	661.00	650.14	121.87	1.87	650.14	0.00	121.87	0.00	84.18	0.00	0.00
Gautami	283.90	186.17	35.37	1.90	186.17	0.00	35.37	0.00	27.85	0.00	0.00
Vemagiri	218.91	142.19	27.10	1.91	142.19	0.00	27.10	0.00	22.10	0.00	0.00
GVK-Extension	135.42	77.63	14.81	1.91	77.63	0.00	14.81	0.00	12.75	0.00	0.00
Konaseema	23.94	148.44	28.33	1.91	148.44	0.00	28.33	0.00	26.54	0.00	0.00
NLC ST-II	120.99	126.39	24.32	1.92	126.39	0.00	24.32	0.00	7.63	0.00	0.00
NLC ST-I	69.57	75.68	14.59	1.93	75.68	0.00	14.59	0.00	4.39	0.00	0.00
Reliance	129.48	99.49	19.33	1.94	99.49	0.00	19.33	0.00	13.98	0.00	0.00
GVK	135.75	124.79	25.45	2.04	124.79	0.00	25.45	0.00	8.45	0.00	0.00
SPGL	130.91	103.04	21.54	2.09	103.04	0.00	21.54	0.00	7.85	0.00	0.00
APGPCL ST-I	5.72	5.50	1.15	2.10	5.50	0.00	1.15	0.00	0.11	0.00	0.00
LANCO	222.11	190.48	40.36	2.12	190.48	0.00	40.36	0.00	28.18	0.00	0.00
NTPC(SR) ST III	121.00	104.17	23.86	2.29	104.17	0.00	23.86	0.00	10.11	0.00	0.00
Srivathsa	7.76	6.89	1.76	2.56	6.89	0.00	1.76	0.00	0.65	0.00	0.00
Other sources											
A.P.Paper Mills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SITAPURAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vennar Ceramics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Navabharat Ventures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Silk Road Sugars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Adani	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kesoram Cements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Penna cements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shalivahana MSW Ltd.,	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarvaraya sugars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sri Sai Sindhu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mittal Processors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MP Power Trading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NCS Sugars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instinct	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Power Exchange Ltd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M/s NTPC (NVVNL)	0.00	13.47	4.06	3.02	13.47	0.00	4.06	0.00	0.00	0.00	0.00
Sri lalitha	0.00	0.95	0.32	3.40	0.95	0.00	0.32	0.00	0.00	0.00	0.00
Kusalava Power	0.00	0.65	0.22	3.40	0.65	0.00	0.22	0.00	0.00	0.00	0.00
Steel Exchange	0.00	4.83	1.64	3.40	4.83	0.00	1.64	0.00	0.00	0.00	0.00

SRIBA INDUSTRIES LTD	0.00	5.32	1.81	3.40	5.32	0.00	1.81	0.00	0.00	0.00	0.00
Sirius Overseas	0.00	1.28	0.43	3.40	1.28	0.00	0.43	0.00	0.00	0.00	0.00
Luxmi Tulasi	0.00	1.15	0.39	3.40	1.15	0.00	0.39	0.00	0.00	0.00	0.00
RVk Energy	0.00	3.21	1.09	3.40	3.21	0.00	1.09	0.00	0.00	0.00	0.00
Manihamsa	0.00	1.10	0.37	3.40	1.10	0.00	0.37	0.00	0.00	0.00	0.00
Maa Mahamaya Industries	0.00	1.86	0.63	3.40	1.86	0.00	0.63	0.00	0.00	0.00	0.00
Venkataraya	0.00	0.50	0.21	4.24	0.50	0.00	0.21	0.00	0.00	0.00	0.00
PTC India Ltd	0.00	171.01	74.57	4.36	120.11	50.89	52.38	22.19	0.00	0.00	0.00
GMR ENER.TRAD.LTD	0.00	77.18	33.96	4.40	0.00	77.18	0.00	33.96	0.00	0.00	0.00
Reliance Energy	0.00	53.91	23.83	4.42	0.00	53.91	0.00	23.83	0.00	0.00	0.00
Shree Cements	0.00	23.43	10.43	4.45	0.00	23.43	0.00	10.43	0.00	0.00	0.00
Indian Energy Exchange Ltd	0.00	33.70	15.06	4.47	0.00	33.70	0.00	15.06	0.00	0.00	0.00
Global Energy Ltd.,	0.00	17.24	7.74	4.49	0.00	17.24	0.00	7.74	0.00	0.00	0.00
JSWPTC	0.00	76.44	37.09	4.85	0.00	76.44	0.00	37.09	0.00	0.00	0.00
TATA Power	0.00	46.13	22.68	4.92	0.00	46.13	0.00	22.68	0.00	0.00	0.00
Knowledge Infrastructure	0.00	40.38	21.02	5.20	0.00	40.38	0.00	21.02	0.00	0.00	0.00
Lanco El. Utility Ltd.,	0.00	124.95	68.51	5.48	0.00	124.95	0.00	68.51	0.00	0.00	0.00
Madhucon Sugars Ltd	0.00	10.41	5.73	5.50	0.00	10.41	0.00	5.73	0.00	0.00	0.00
Aravali	0.00	116.29	74.50	6.41	0.00	116.29	0.00	74.50	0.00	0.00	0.00
STOA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.55	0.00	0.00
UI-SRPC	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
UI-NTPC simhadri	0.00	13.67	4.92	3.60	0.00	13.67	0.00	4.92	0.00	0.00	0.00
TOTAL	7219.67	7276.01	1459.96	2.01	6591.37	684.64	1112.15	347.81	789.87	0.00	-0.02

CGS excl. NTPC Simhadri I :	1224.79
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Monthly calculated energy based on voltage wise losses in Tariff Order (MU) :	6591.37
Actual Fixed Cost (Rs. Crs) :	789.87
Fixed Cost as per Tariff Order (Rs. Crs) :	680.13

Variance in Fixed Cost (Rs. Crs) :	109.75
Variable Cost for Ei (Rs. Crs) :	1112.15
Prior Period Expenditure (Rs. Crs) :	-0.02

Monthly Merit Order and calculation of Variable Cost and Fixed Cost for the month of Feb, 2012

Annexure-A-II

Name of Generating Station or Source of Energy	Energy as per Tariff Order (TO) (MU)	Actual Energy Purchased (MU)	Actual Variable Cost (VC) charged (Rs. Crs.)	Actual VC/Kwh (Rs.)	Ei (Total energy up to a max. of TO quantum) (MU)	Additional energy (AE) over and above TO Quantum (MU)	Variable Cost for Ei (Rs. Crs.)	Variable Cost for AE (Rs. Crs.)	ACTUAL Fixed Cost (FC) for Ei (Rs. Crs.)	ACTUAL Fixed Cost (FC) for AE (Rs. Crs.)	Prior Period Exp (Rs. Crs.)
NCEs	260.88	146.21	49.52	3.39	146.21	-	49.52	-	-	-	-
NPC Kaiga - I & II	26.09	62.55	13.36	2.14	62.55	-	13.36	-	-	-	-
NPC Kaiga - III & IV	0.00	58.31	6.25	1.07	58.31	-	6.25	-	-	-	-
NPC-MAPS	17.00	18.44	3.68	2.00	18.44	-	3.68	-	-	-	-
NTPC(ER) - Farakka	-	-	-	-	-	-	-	-	0.002	-	-
NTPC(ER)-Kahalgaoon	-	-	-	-	-	-	-	-	0.000	-	-
NTPC(ER)-Talcher-I	-	-	-	-	-	-	-	-	0.000	-	-
LVS	24.18	-	-	-	-	-	-	-	2.73	-	-
APGE-Hydel	602.48	384.60	0.00	0.00	384.60	-	-	-	83.98	-	-
KTPS VI	291.38	310.97	35.14	1.13	310.97	-	35.14	-	49.02	-	-
Kakatiya Stage-I	279.35	284.10	32.96	1.16	284.10	-	32.96	-	54.08	-	-
KTPS V (D)	285.01	195.64	25.04	1.28	195.64	-	25.04	-	17.84	-	-
KTPS(ABC)	384.68	362.27	46.37	1.28	362.27	-	46.37	-	29.39	-	-
VTPS IV	279.35	323.21	45.90	1.42	323.21	-	45.90	-	43.32	-	-
VTPS(I,II,III)	719.96	764.10	120.73	1.58	764.10	-	120.73	-	38.90	-	-
RTS-B	33.67	39.87	6.54	1.64	39.87	-	6.54	-	4.06	-	-
NTPC-Talcher-ST II	280.80	266.80	44.11	1.65	266.80	-	44.11	-	21.76	-	-
RTPP-I	239.33	251.20	44.46	1.77	251.20	-	44.46	-	18.29	-	-
RTPP-ST II	239.33	261.99	46.37	1.77	261.99	-	46.37	-	36.48	-	-
RTPP -ST III	100.10	119.32	21.12	1.77	119.32	-	21.12	-	24.08	-	-
NTPC(SR)	451.70	437.56	77.64	1.77	437.56	-	77.64	-	23.40	-	-
APGPCL ST-II	17.99	20.48	3.67	1.79	20.48	-	3.67	-	1.31	-	-
Reliance	117.90	85.57	15.92	1.86	85.57	-	15.92	-	12.99	-	-
Gautami	261.29	158.32	29.87	1.89	158.32	-	29.87	-	25.82	-	-
Konaseema	258.62	131.15	24.77	1.89	131.15	-	24.77	-	24.69	-	-
Vemagiri	218.91	117.08	22.12	1.89	117.08	-	22.12	-	20.55	-	-
GVK-Extension	130.76	66.68	12.61	1.89	66.68	-	12.61	-	11.84	-	-
NLC ST-I	64.66	69.91	13.37	1.91	69.91	-	13.37	-	4.06	-	-
NLC ST-II	113.63	124.09	23.75	1.91	124.09	-	23.75	-	7.50	-	-
SPGL	117.71	94.80	18.99	2.00	94.80	-	18.99	-	7.56	-	-
GVK	122.82	114.00	22.87	2.01	114.00	-	22.87	-	7.80	-	-
APGPCL ST-I	5.35	5.48	1.15	2.10	5.48	-	1.15	-	0.11	-	-
LANCO	204.22	186.19	39.14	2.10	186.19	-	39.14	-	25.96	-	-
NTPC-Simhadri -I	597.00	653.12	150.07	2.30	653.12	-	150.07	-	59.92	-	-
NTPC-Simhadri -II	199.81	128.49	31.75	2.47	128.49	-	31.75	-	20.10	-	-
NTPC(SR) ST III	109.00	110.18	28.07	2.55	110.18	-	28.07	-	9.74	-	-
Srivathsa	7.76	6.89	1.76	2.55	6.89	-	1.76	-	0.65	-	-
Other sources											
A.P.Paper Mills	-	-	-	-	-	-	-	-	-	-	-
SITAPURAM	-	-	-	-	-	-	-	-	-	-	-
Navabharat Ventures	-	-	-	-	-	-	-	-	-	-	-
Silk Road Sugars	-	-	-	-	-	-	-	-	-	-	-
Adani	-	-	-	-	-	-	-	-	-	-	-
Kesoram Cements	-	-	-	-	-	-	-	-	-	-	-
Penna cements	-	-	-	-	-	-	-	-	-	-	-
Shalivahana MSW Ltd.,	-	-	-	-	-	-	-	-	-	-	-
Sarvaraya sugars	-	-	-	-	-	-	-	-	-	-	-
Sri Sai Sindhu	-	-	-	-	-	-	-	-	-	-	-
Mittal Processors	-	-	-	-	-	-	-	-	-	-	-
MP Power Trading	-	-	-	-	-	-	-	-	-	-	-
NCS Sugars	-	-	-	-	-	-	-	-	-	-	-
Kusalava Power	-	0.65	0.22	3.40	0.65	-	0.22	-	-	-	-
Manihamsa	-	1.05	0.36	3.40	1.05	-	0.36	-	-	-	-
Sirius Overseas	-	1.52	0.52	3.40	1.52	-	0.52	-	-	-	-
Vennar Ceramics	-	0.00	0.00	3.40	0.00	-	0.00	-	-	-	-
Luxmi Tulasi	-	1.00	0.34	3.40	1.00	-	0.34	-	-	-	-
Steel Exchange	-	4.24	1.44	3.40	4.24	-	1.44	-	-	-	-
SRIBA INDUSTRIES LTD	-	4.55	1.55	3.40	4.55	-	1.55	-	-	-	-

Sri Iaiitha	-	0.87	0.30	3.40	0.87	-	0.30	-	-	-	-
RVk Energy	-	3.05	1.04	3.40	3.05	-	1.04	-	-	-	-
Maa Mahamaya Industries	-	1.65	0.56	3.40	1.65	-	0.56	-	-	-	-
JSWPTC	-	2.46	0.91	3.72	2.46	-	0.91	-	-	-	-
Venkataraya	-	0.50	0.21	4.25	0.50	-	0.21	-	-	-	-
Reliance Energy	-	49.84	22.53	4.52	49.84	-	22.53	-	-	-	-
Instinct	-	7.51	3.43	4.57	7.51	-	3.43	-	-	-	-
Global Energy Ltd.,	-	90.29	42.29	4.68	90.29	-	42.29	-	-	-	-
M/s NTPC (NVVNL)	-	80.29	37.68	4.69	80.29	-	37.68	-	-	-	-
GMR ENER.TRAD.LTD	-	67.42	31.69	4.70	67.42	-	31.69	-	-	-	-
Power Exchange Ltd	-	0.10	0.05	4.70	0.10	-	0.05	-	-	-	-
PTC India Ltd	-	104.74	50.94	4.86	72.05	32.69	35.04	15.90	-	-	-
Shree Cements	-	49.13	24.15	4.91	-	49.13	-	24.15	-	-	-
TATA Power	-	45.06	22.56	5.01	-	45.06	-	22.56	-	-	-
Knowledge Infrastructure	-	62.40	31.27	5.01	-	62.40	-	31.27	-	-	-
Lanco EI. Utility Ltd.,	-	111.67	57.86	5.18	-	111.67	-	57.86	-	-	-
Indian Energy Exchange Ltd	-	19.96	10.45	5.23	-	19.96	-	10.45	-	-	-
Madhucon Sugars Ltd	-	9.74	5.36	5.50	-	9.74	-	5.36	-	-	-
Aravali	-	52.46	38.46	7.33	-	52.46	-	38.46	-	-	-
STOA	345.38	-	-	-	-	-	-	-	9.29	-	-
UI-SRPC	-	3.34	1.28	3.84	-	3.34	-	1.28	-	-	-
UI-NTPC simhadri	-	6.29	2.42	3.84	-	6.29	-	2.42	-	-	-
TOTAL	7408.11	7141.35	1448.92	2.03	6748.61	392.74	1239.21	209.71	697.22	-	-

CGS excl. NTPC Simhadri I :	1276.34
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Monthly calculated energy based on voltage wise losses in Tariff Order (MU) :	6748.61
Actual Fixed Cost (Rs. Crs) :	697.22
Fixed Cost as per Tariff Order (Rs. Crs) :	680.13

Variance in Fixed Cost (Rs. Crs) :	17.10
Variable Cost for Ei (Rs. Crs) :	1239.21
Prior Period Expenditure (Rs. Crs) :	0.00

Monthly Merit Order and calculation of Variable Cost and Fixed Cost for the month of March, 2012

Annexure-A-II

Name of Generating Station or Source of Energy	Energy as per Tariff Order (TO) (MU)	Aactual Energy Purchased (MU)	Actual Variable Cost (VC) charged (Rs. Crs.)	Actual VC/Kwh (Rs.)	Ei (Total energy up to a max. of TO quantum) (MU)	Additional energy (AE) over and above TO Quantum (MU)	Variable Cost for Ei (Rs. Crs.)	Variable Cost for AE (Rs. Crs.)	ACTUAL Fixed Cost (FC) for Ei (Rs. Crs.)	ACTUAL Fixed Cost (FC) for AE (Rs. Crs.)	Prior Period Exp (Rs. Crs.)
NCEs	238.57	117.57	40.96	3.48	117.57	0.00	40.96	0.00	0.00	0.00	0.00
NPC Kaiga - I& II	60.09	69.17	20.71	2.99	69.17	0.00	20.71	0.00	0.00	0.00	0.00
NPC Kaiga - III & IV	6.06	70.25	21.80	3.10	70.25	0.00	21.80	0.00	0.00	0.00	0.00
NPC-MAPS	19.00	19.85	3.96	2.00	19.85	0.00	3.96	0.00	0.00	0.00	0.00
NTPC(ER) - Farakka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.12
NTPC(ER)-Kahalgaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
NTPC(ER)-Talcher-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
LVS	25.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.00	0.00
APGE-Hydel	651.36	398.21	0.00	0.00	398.21	0.00	0.00	0.00	83.98	0.00	0.00
KTPS VI	314.50	353.51	39.95	1.13	353.51	0.00	39.95	0.00	49.02	0.00	50.45
Kakatiya Stage-I	309.88	353.42	41.00	1.16	353.42	0.00	41.00	0.00	54.08	0.00	3.98
KTPS(ABC)	411.41	406.34	52.01	1.28	406.34	0.00	52.01	0.00	29.39	0.00	45.74
KTPS V (D)	304.67	316.26	40.48	1.28	316.26	0.00	40.48	0.00	17.84	0.00	21.31
VTPS IV	309.88	339.70	48.24	1.42	339.70	0.00	48.24	0.00	43.32	0.00	154.44
NTPC(SR)	478.85	457.64	65.25	1.43	457.64	0.00	65.25	0.00	22.61	0.00	0.00
NTPC(SR) ST III	121.00	118.33	17.38	1.47	118.33	0.00	17.38	0.00	9.95	0.00	0.00
NTPC-Talcher-ST II	300.11	282.02	43.63	1.55	282.02	0.00	43.63	0.00	20.66	0.00	0.00
VTPS(I,II,III)	769.79	840.20	132.75	1.58	840.20	0.00	132.75	0.00	38.90	0.00	107.58
RTS-B	35.95	40.17	6.59	1.64	40.17	0.00	6.59	0.00	4.06	0.00	4.74
RTPP -ST III	100.10	133.16	23.57	1.77	133.16	0.00	23.57	0.00	24.08	0.00	49.39
RTPP-I	255.89	268.80	47.58	1.77	268.80	0.00	47.58	0.00	18.29	0.00	102.59
RTPP-ST II	255.89	277.17	49.06	1.77	277.17	0.00	49.06	0.00	36.48	0.00	110.35
APGPCL ST-II	19.23	18.79	3.37	1.79	18.79	0.00	3.37	0.00	1.20	0.00	0.00
Reliance	129.48	101.90	19.05	1.87	101.90	0.00	19.05	0.00	13.99	0.00	0.00
NLC ST-II	120.99	127.32	24.45	1.92	127.32	0.00	24.45	0.00	7.73	0.00	0.00
NLC ST-I	69.57	71.79	13.78	1.92	71.79	0.00	13.78	0.00	4.20	0.00	0.00
Gautami	290.11	170.67	33.27	1.95	170.67	0.00	33.27	0.00	27.75	0.00	0.00
SPGL	130.19	98.40	19.41	1.97	98.40	0.00	19.41	0.00	7.99	0.00	0.00
GVK	132.98	128.74	25.59	1.99	128.74	0.00	25.59	0.00	8.63	0.00	0.00
LANCO	218.50	190.90	38.51	2.02	190.90	0.00	38.51	0.00	28.22	0.00	0.00
APGPCL ST-I	5.72	8.52	1.79	2.10	8.52	0.00	1.79	0.00	0.10	0.00	0.00
Konaseema	276.04	163.71	37.44	2.29	163.71	0.00	37.44	0.00	27.45	0.00	0.00
NTPC-Simhadri -II	221.22	152.04	35.34	2.32	152.04	0.00	35.34	0.00	22.63	0.00	0.00
NTPC-Simhadri -I	661.00	722.43	169.04	2.34	722.43	0.00	169.04	0.00	88.14	0.00	0.00
Vemagiri	242.63	141.68	33.32	2.35	141.68	0.00	33.32	0.00	22.15	0.00	0.00
Srivathsa	5.82	6.83	1.69	2.48	6.83	0.00	1.69	0.00	0.64	0.00	0.00
GVK-Extension	139.35	94.87	27.98	2.95	94.87	0.00	27.98	0.00	12.77	0.00	0.00
Other sources											
A.P.Paper Mills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SITAPURAM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vennar Ceramics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madhucon Sugars Ltd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Navabharat Ventures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Silk Road Sugars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JSWPTC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Adani	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kesoram Cements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Penna cements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shalivahana MSW Ltd.,	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarvaraya sugars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sri Sai Sindhu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mittal Processors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MP Power Trading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NCS Sugars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aravali	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Luxmi Tulasi	0.00	1.01	0.34	3.40	1.01	0.00	0.34	0.00	0.00	0.00	0.00
Steel Exchange	0.00	2.95	1.00	3.40	2.95	0.00	1.00	0.00	0.00	0.00	0.00
Kusalava Power	0.00	0.60	0.20	3.40	0.60	0.00	0.20	0.00	0.00	0.00	0.00
Sri lalitha	0.00	0.78	0.27	3.40	0.78	0.00	0.27	0.00	0.00	0.00	0.00

RVk Energy	0.00	3.15	1.07	3.40	3.15	0.00	1.07	0.00	0.00	0.00	0.00
Manihamsa	0.00	0.78	0.26	3.40	0.78	0.00	0.26	0.00	0.00	0.00	0.00
SRIBA INDUSTRIES LTD	0.00	5.08	1.73	3.40	5.08	0.00	1.73	0.00	0.00	0.00	0.00
Maa Mahamaya Industries	0.00	1.78	0.61	3.40	1.78	0.00	0.61	0.00	0.00	0.00	0.00
Sirius Overseas	0.00	1.63	0.55	3.40	1.63	0.00	0.55	0.00	0.00	0.00	0.00
Global Energy Ltd.,	0.00	175.23	71.97	4.11	81.35	93.88	33.41	38.56	0.00	0.00	0.00
Venkataraya	0.00	0.45	0.19	4.25	0.00	0.45	0.00	0.19	0.00	0.00	0.00
M/s NTPC (NJVNL)	0.00	85.54	39.88	4.66	0.00	85.54	0.00	39.88	0.00	0.00	0.00
Reliance Energy	0.00	51.52	24.32	4.72	0.00	51.52	0.00	24.32	0.00	0.00	0.00
Instinct	0.00	8.33	3.97	4.77	0.00	8.33	0.00	3.97	0.00	0.00	0.00
Shree Cements	0.00	53.00	26.19	4.94	0.00	53.00	0.00	26.19	0.00	0.00	0.00
GMR ENER.TRAD.LTD	0.00	69.41	34.36	4.95	0.00	69.41	0.00	34.36	0.00	0.00	0.00
PTC India Ltd	0.00	128.31	64.36	5.02	0.00	128.31	0.00	64.36	0.00	0.00	0.00
Lanco El. Utility Ltd.,	0.00	117.26	60.23	5.14	0.00	117.26	0.00	60.23	0.00	0.00	0.00
Knowledge Infrastructure	0.00	56.21	29.09	5.17	0.00	56.21	0.00	29.09	0.00	0.00	0.00
TATA Power	0.00	49.03	25.58	5.22	0.00	49.03	0.00	25.58	0.00	0.00	0.00
Power Exchange Ltd	0.00	2.00	1.10	5.54	0.00	2.00	0.00	1.10	0.00	0.00	0.00
Indian Energy Exchange Ltd	0.00	6.90	4.42	6.40	0.00	6.90	0.00	4.42	0.00	0.00	0.00
STOA	383.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.66	0.00	0.00
UI-NTPC simhadri	0.00	7.72	2.97	3.84	0.00	7.72	0.00	2.97	0.00	0.00	0.00
UI-SRPC	0.00	38.30	19.76	5.16	0.00	38.30	0.00	19.76	0.00	0.00	0.00
TOTAL	8015.15	7927.35	1593.35	2.01	7159.48	767.86	1218.38	374.97	733.50	0.00	650.87

CGS excl. NTPC Simhadri I :	1368.42
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Monthly calculated energy based on voltage wise losses in Tariff Order (MU) :	7159.48
Actual Fixed Cost (Rs. Crs) :	733.50
Fixed Cost as per Tariff Order (Rs. Crs) :	680.13

Variance in Fixed Cost (Rs. Crs) :	53.38
Variable Cost for Ei (Rs. Crs) :	1218.38
Prior Period Expenditure (Rs. Crs) :	650.87

Quarter- IV of FY 2011-12

Annexure-A-III

(APCPDCL) Actual Sales (MU)	Jan/12	Feb/12	Mar/12	Total
LT Category	1434.77	1453.24	1645.89	4533.90
Category I Domestic	437.76	472.00	565.59	1,475.35
Category II - Non-domestic/Commercial	145.11	156.52	176.08	477.71
Category III (A & B) - Industrial	110.29	99.12	98.24	307.65
Category IV - Cottage Industries & Dhobighats	1.52	1.34	1.37	4.23
Category V - Irrigation and Agriculture	671.80	656.57	736.45	2,064.82
Category VI - Local Bodies, St. Lighting & PWS	62.56	61.09	61.17	184.83
Category VII - General Purpose	5.57	6.26	6.79	18.61
Category VIII-Temporary Supply	0.17	0.33	0.19	0.69
HT Category at 11 KV	310.37	330.11	288.48	928.96
HT-I Industry Segregated	213.34	228.76	185.92	628.02
HT-I (B) Ferro-Alloys	0.93	1.05	0.78	2.76
HT-II Industrial Non-Segregated	76.82	83.20	85.97	246.00
HT-IV A Govt. Lift Irrigation Schemes	4.66	2.30	1.99	8.95
HT-IV B Agriculture	1.23	1.43	0.93	3.58
HT-VI Townships and Residential Colonies	6.34	6.39	6.44	19.17
RESCOs	-	-	-	-
Temporary Supply	2.43	2.49	2.36	7.29
Composite Public Water Supply Schemes	4.61	4.49	4.09	13.20
HT Category at 33 KV	432.83	469.53	393.07	1295.44
HT-I Industry Segregated	369.65	399.14	326.68	1,095.47
HT-I (B) Ferro-Alloys	19.75	23.57	19.97	63.29
HT-II Industrial Non-Segregated	37.34	40.56	40.11	118.01
HT-IV A Govt. Lift Irrigation Schemes	1.57	1.76	1.95	5.28
HT-IV B Agriculture	0.30	0.46	0.42	1.18
HT-VI Townships and Residential Colonies	1.89	1.81	1.98	5.69
RESCOs	-	-	-	-
Temporary Supply	-	-	0.03	0.03
Composite Public Water Supply Schemes	2.34	2.22	1.93	6.49
HT Category at 132 KV	312.80	318.36	289.44	920.59
HT-I Industry Segregated	265.66	260.08	229.52	755.25
HT-I (B) Ferro-Alloys	14.73	12.97	9.39	37.08
HT-II Industrial Non-Segregated	6.85	6.90	7.59	21.33
HT-IV A Govt. Lift Irrigation Schemes	13.09	25.45	30.49	69.03
HT-IV B Agriculture	-	-	-	-
HT-V Railway Traction	12.47	12.96	12.46	37.90
HT-VI Townships and Residential Colonies	-	-	-	-
RESCOs	-	-	-	-
Temporary Supply	-	-	-	-
Composite Public Water Supply Schemes	-	-	-	-
Total	2490.77	2571.24	2616.89	7678.89

Quarter- IV of FY 2011-12

Annexure-A-III

(APEPDCL) Actual Sales (MU)	Jan/12	Feb/12	Mar/12	Total
LT Category	492.82	500.23	548.05	1541.09
Category I Domestic	210.97	212.70	237.14	660.81
Category II - Non-domestic/Commercial	47.05	49.41	55.66	152.12
Category III (A & B) - Industrial	43.13	45.90	43.49	132.52
Category IV - Cottage Industries & Dhobighats	0.23	0.11	0.41	0.75
Category V - Irrigation and Agriculture	168.73	166.71	184.83	520.27
Category VI - Local Bodies, St. Lighting & PWS	19.87	22.40	23.13	65.40
Category VII - General Purpose	2.78	2.92	3.32	9.02
Category VIII-Temporary Supply	0.06	0.07	0.06	0.20
HT Category at 11 KV	124.37	135.98	123.90	384.25
HT-I Industry Segregated	83.99	90.06	75.18	249.23
HT-I (B) Ferro-Alloys	-	-	-	-
HT-II Industrial Non-Segregated	20.93	23.01	24.81	68.75
HT-IV A Govt. Lift Irrigation Schemes	1.96	2.00	2.16	6.13
HT-IV B Agriculture	-	-	-	-
HT-VI Townships and Residential Colonies	1.67	2.15	1.84	5.66
RESCOs	15.82	18.76	19.91	54.49
Temporary Supply	-	-	-	-
Composite Public Water Supply Schemes	-	-	-	-
HT Category at 33 KV	86.48	93.85	84.10	264.43
HT-I Industry Segregated	64.60	69.32	62.67	196.59
HT-I (B) Ferro-Alloys	14.84	16.80	10.22	41.86
HT-II Industrial Non-Segregated	6.16	7.16	6.95	20.27
HT-IV A Govt. Lift Irrigation Schemes	0.53	0.08	3.77	4.38
HT-IV B Agriculture	-	-	-	-
HT-VI Townships and Residential Colonies	0.36	0.49	0.49	1.34
RESCOs	-	-	-	-
Temporary Supply	-	-	-	-
Composite Public Water Supply Schemes	-	-	-	-
HT Category at 132 KV	212.06	212.05	187.03	611.15
HT-I Industry Segregated	100.99	83.51	82.37	266.87
HT-I (B) Ferro-Alloys	59.60	76.18	54.41	190.18
HT-II Industrial Non-Segregated	4.47	4.63	4.63	13.74
HT-IV A Govt. Lift Irrigation Schemes	-	-	-	-
HT-IV B Agriculture	-	-	-	-
HT-V Railway Traction	47.00	47.73	45.63	140.36
HT-VI Townships and Residential Colonies	-	-	-	-
RESCOs	-	-	-	-
Temporary Supply	-	-	-	-
Composite Public Water Supply Schemes	-	-	-	-
Total	915.74	942.11	943.07	2800.92

Quarter- IV of FY 2011-12

Annexure-A-III

(APNPDCL) Actual Sales (MU)	Jan/12	Feb/12	Mar/12	Total
LT Category	654.30	610.97	739.35	2004.62
Category I Domestic	155.54	159.32	169.08	483.94
Category II - Non-domestic/Commercial	32.22	33.35	35.03	100.60
Category III (A & B) - Industrial	31.67	31.11	26.53	89.32
Category IV - Cottage Industries & Dhobighats	0.54	0.53	0.51	1.58
Category V - Irrigation and Agriculture	398.73	353.61	474.78	1,227.12
Category VI - Local Bodies, St. Lighting & PWS	33.30	30.72	30.91	94.93
Category VII - General Purpose	2.29	2.33	2.51	7.13
Category VIII-Temporary Supply	-	-	-	-
HT Category at 11 KV	106.76	109.90	96.20	312.86
HT-I Industry Segregated	42.31	42.14	32.56	117.01
HT-I (B) Ferro-Alloys				-
HT-II Industrial Non-Segregated	5.50	6.22	6.43	18.15
HT-IV A Govt. Lift Irrigation Schemes	3.57	4.31	3.83	11.70
HT-IV B Agriculture	1.34	1.46	1.52	4.32
HT-VI Townships and Residential Colonies				-
RESCOs	54.05	55.77	51.86	161.68
Temporary Supply				-
Composite Public Water Supply Schemes				-
HT Category at 33 KV	20.49	21.78	20.16	62.42
HT-I Industry Segregated	14.90	16.07	14.68	45.65
HT-I (B) Ferro-Alloys				-
HT-II Industrial Non-Segregated	0.08	0.06	0.08	0.22
HT-IV A Govt. Lift Irrigation Schemes	1.25	1.24	0.75	3.24
HT-IV B Agriculture				-
HT-VI Townships and Residential Colonies	1.55	1.70	2.14	5.39
RESCOs	2.70	2.70	2.52	7.92
Temporary Supply				-
Composite Public Water Supply Schemes				-
HT Category at 132 KV	104.08	108.74	102.71	315.52
HT-I Industry Segregated	49.96	46.86	47.81	144.64
HT-I (B) Ferro-Alloys				-
HT-II Industrial Non-Segregated - 220 kV	0.07	0.00	0.01	0.08
HT-IV A Govt. Lift Irrigation Schemes	13.19	18.59	15.46	47.25
HT-IV B Agriculture - 220 kV	0.11	0.11	0.10	0.32
HT-V Railway Traction	35.85	37.45	33.50	106.79
HT-VI Townships and Residential Colonies	4.90	5.72	5.84	16.45
RESCOs				-
Temporary Supply				-
Composite Public Water Supply Schemes				-
Total	885.62	851.39	958.42	2695.43

Quarter- IV of FY 2011-12

Annexure-A-III

(APSPDCL) Actual Sales (MU)	Jan/12	Feb/12	Mar/12	Total
LT Category	828.83	868.54	1038.98	2,736.35
Category I Domestic	297.12	293.78	306.94	897.84
Category II - Non-domestic/Commercial	72.64	75.75	78.48	226.87
Category III (A & B) - Industrial	66.31	74.80	73.77	214.88
Category IV - Cottage Industries & Dhobighats	2.17	1.95	1.72	5.84
Category V - Irrigation and Agriculture	350.92	378.25	535.35	1,264.52
Category VI - Local Bodies, St. Lighting & PWS	35.63	40.19	38.56	114.38
Category VII - General Purpose	3.92	3.75	4.14	11.81
Category VIII-Temporary Supply	0.13	0.06	0.02	0.21
HT Category at 11 KV	104.81	114.15	112.53	331.49
HT-I Industry Segregated	58.41	65.76	59.18	183.35
HT-I (B) Ferro-Alloys				-
HT-II Industrial Non-Segregated	19.55	20.89	19.85	60.28
HT-IV A Govt. Lift Irrigation Schemes	0.02	0.01	0.01	0.03
HT-IV B Agriculture	5.11	3.82	5.25	14.18
HT-VI Townships and Residential Colonies	1.73	1.73	1.76	5.22
RESCOs	18.81	21.29	25.46	65.56
Temporary Supply				-
Composite Public Water Supply Schemes	1.18	0.65	1.04	2.86
HT Category at 33 KV	188.39	200.69	167.85	556.93
HT-I Industry Segregated	175.25	186.45	153.96	515.67
HT-I (B) Ferro-Alloys	8.86	10.18	9.85	28.89
HT-II Industrial Non-Segregated	3.30	3.42	3.59	10.32
HT-IV A Govt. Lift Irrigation Schemes				-
HT-IV B Agriculture	0.90	0.57	0.35	1.82
HT-VI Townships and Residential Colonies	0.03	0.03	0.03	0.09
RESCOs	-	-	-	-
Temporary Supply	-	-	-	-
Composite Public Water Supply Schemes	0.06	0.04	0.06	0.15
HT Category at 132 KV	123.14	127.27	139.66	390.07
HT-I Industry Segregated	83.58	85.03	95.74	264.35
HT-I (B) Ferro-Alloys				-
HT-II Industrial Non-Segregated				-
HT-IV A Govt. Lift Irrigation Schemes				-
HT-IV B Agriculture				-
HT-V Railway Traction	39.56	42.24	43.92	125.72
HT-VI Townships and Residential Colonies				-
RESCOs				-
Temporary Supply	-	-	-	-
Composite Public Water Supply Schemes	-	-	-	-
Total	1245.17	1310.65	1459.02	4014.84

Quarter- IV of FY 2011-12

Annexure-A-III

(4th Qrt Combined) Actual Sales (MU)	Jan/12	Feb/12	Mar/12	Total
LT Category	3410.72	3432.98	3972.27	10,815.97
Category I Domestic	1,101.39	1,137.80	1,278.76	3,517.94
Category II - Non-domestic/Commercial	297.02	315.03	345.25	957.30
Category III (A & B) - Industrial	251.40	250.94	242.04	744.38
Category IV - Cottage Industries & Dhobighats	4.47	3.93	4.00	12.40
Category V - Irrigation and Agriculture	1,590.18	1,555.14	1,931.41	5,076.73
Category VI - Local Bodies, St. Lighting & PWS	151.36	154.41	153.77	459.54
Category VII - General Purpose	14.55	15.27	16.76	46.58
Category VIII-Temporary Supply	0.36	0.47	0.28	1.10
HT Category at 11 KV	646.32	690.14	621.11	1957.56
HT-I Industry Segregated	398.04	426.72	352.84	1,177.60
HT-I (B) Ferro-Alloys	0.93	1.05	0.78	2.76
HT-II Industrial Non-Segregated	122.79	133.33	137.06	393.18
HT-IV A Govt. Lift Irrigation Schemes	10.22	8.62	7.98	26.81
HT-IV B Agriculture	7.68	6.70	7.69	22.07
HT-VI Townships and Residential Colonies	9.75	10.28	10.03	30.06
RESCOs	88.68	95.81	97.23	281.72
Temporary Supply	2.43	2.49	2.36	7.29
Composite Public Water Supply Schemes	5.79	5.14	5.13	16.06
HT Category at 33 KV	728.19	785.85	665.18	2179.22
HT-I Industry Segregated	624.40	670.98	557.99	1,853.37
HT-I (B) Ferro-Alloys	43.44	50.56	40.04	134.05
HT-II Industrial Non-Segregated	46.88	51.21	50.73	148.82
HT-IV A Govt. Lift Irrigation Schemes	3.35	3.08	6.47	12.89
HT-IV B Agriculture	1.19	1.03	0.77	3.00
HT-VI Townships and Residential Colonies	3.82	4.03	4.65	12.50
RESCOs	2.70	2.70	2.52	7.92
Temporary Supply	-	-	0.03	0.03
Composite Public Water Supply Schemes	2.40	2.26	1.99	6.64
HT Category at 132 KV	752.07	766.42	718.84	2237.33
HT-I Industry Segregated	500.19	475.48	455.43	1,431.11
HT-I (B) Ferro-Alloys	74.32	89.15	63.79	227.27
HT-II Industrial Non-Segregated	11.39	11.53	12.22	35.15
HT-IV A Govt. Lift Irrigation Schemes	26.28	44.04	45.95	116.27
HT-IV B Agriculture	0.11	0.11	0.10	0.32
HT-V Railway Traction	134.88	140.38	135.51	410.77
HT-VI Townships and Residential Colonies	4.90	5.72	5.84	16.45
RESCOs	-	-	-	-
Temporary Supply	-	-	-	-
Composite Public Water Supply Schemes	-	-	-	-
Total	5537.30	5675.39	5977.39	17190.08

	Jan'12	Feb'12	Mar'12	4th Qtr
Sales Excl. LT Agrl. (1)	3947.12	4120.24	4045.98	12113.35
RESCO Purchase				
EPDCL(Purchases) }	15.82	18.76	19.91	54.49
SPDCL(Purchases) }	18.81	21.29	25.46	65.56
NPDCL(Purchases) }	56.75	58.47	54.39	169.60
Total RESCO Purch (a)	91.38	98.52	99.76	289.65
RESCO SALES				
EPDCL(Sales) }	10.08	10.32	11.37	31.76
SPDCL(Sales) }	3.30	3.18	3.29	9.78
NPDCL(Sales) }	16.82	17.19	17.08	51.10
Total RESCO Sales (b)	30.20	30.69	31.74	92.64
RESCO Net Difference (a-b) (2)	61.18	67.82	68.01	197.01
FSA Sales (Excl. AGL) (1-2)	3885.94	4052.42	3977.97	11916.33

Calculation of Power Purchase Requirement for JAN, 2012

Annexure-A-IV

Power Purchase (in MU) with Voltage Wise Sales (in MU) and Voltage Wise Loss(%)

(Qtr-IV of FY 2011-12)

LOSSES AT DIFF.VOLTAGES(%)			Jan-12		Input after grossing up with losses at each level			
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV
CPDCL	L.T.	8.80	L.T.	1434.77	1573.214	1669.193	1739.105	1813.46
CGS Share	11kV	5.75	11kV	310.37		329.30	343.09	357.76
46.06%	33kV	4.02	33kV	432.83			450.96	470.24
CGS (MU)	132kV	4.10	132kV	312.80				326.17
564.14	PGCIL	5.10	TOTAL	2490.77	1573.21	1998.493	2533.16	2967.63
% Loss up to said voltage :						12.68%	14.02%	16.07%
						D. Loss:	355.19	
						T. Loss	121.67	
						PGC Loss	28.77	2996.40
Loss(MU) & % Loss incl.PGCIL :						TOTAL	505.63	16.87%
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV
EPDCL	L.T.	5.21	L.T.	492.82	519.91	543.32	563.09	587.16
CGS Share	11kV	4.31	11kV	124.37		129.98	134.70	140.46
15.80%	33kV	3.51	33kV	86.48			89.63	93.46
CGS (MU)	132kV	4.10	132kV	212.06				221.13
193.52	PGCIL	5.10	TOTAL	915.74	519.91	673.30	787.42	1042.21
% Loss up to said voltage :						8.33%	10.64%	12.14%
						D. Loss:	83.74	
						T. Loss	42.73	
						PGC Loss	9.87	1052.08
Loss(MU) & % Loss incl.PGCIL :						TOTAL	136.35	12.96%
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV
NPDCL	L.T.	7.50	L.T.	654.30	707.35	742.23	773.96	807.05
CGS Share	11kV	4.70	11kV	106.76		112.03	116.82	121.81
15.87%	33kV	4.10	33kV	20.49			21.36	22.27
CGS (MU)	132kV	4.10	132kV	104.08				108.52
194.37	PGCIL	5.10	TOTAL	885.62	707.35	854.26	912.14	1059.67
% Loss up to said voltage :						10.91%	14.32%	16.42%
						D. Loss:	130.60	
						T. Loss	43.45	
						PGC Loss	9.91	1069.58
Loss(MU) & % Loss incl.PGCIL :						TOTAL	183.96	17.20%
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV
SPDCL	L.T.	6.40	L.T.	828.83	885.5025	927.2277	965.8622	1007.1556
CGS Share	11kV	4.50	11kV	104.81		109.75	114.33	119.21
22.27%	33kV	4.00	33kV	188.39			196.24	204.63
CGS (MU)	132kV	4.10	132kV	123.14				128.40
272.76	PGCIL	5.10	TOTAL	1245.17	885.50	1036.98	1276.43	1459.40
% Loss up to said voltage :						9.97%	12.10%	14.68%
						D. Loss:	154.39	
						T. Loss	59.84	
						PGC Loss	13.91	1473.31
Loss(MU) & % Loss incl.PGCIL :						TOTAL	228.14	15.48%
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV
All Discoms	L.T.	0.00	L.T.	3410.72	3685.97	3881.98	4042.02	4214.83
CGS Share	11kV	0.00	11kV	646.32		681.06	708.94	739.25
100.00%	33kV	0.00	33kV	728.19			758.19	790.61
CGS (MU)	132kV	4.10	132kV	752.07				784.22
1224.79	PGCIL	5.10	TOTAL	5537.30	3685.97	4563.03	5509.15	6528.91
Loss (MU)						% Loss up to said voltage :		
1224.79	62.46					11.09%	13.14%	15.19%
						D. Loss:	723.93	
						T. Loss	267.69	
						PGC Loss	62.46	6591.37
Loss(MU) & % Loss incl.PGCIL :						TOTAL	1054.08	15.99%

Calculation of Power Purchase Requirement for FEB, 2012
Power Purchase (in MU) with Voltage Wise Sales (in MU) and Voltage Wise Loss(%)

Annexure-A-IV

(Qtr-IV of FY 2011-12)

LOSSES AT DIFF.VOLTAGES(%)			Feb-12		Input after grossing up with losses at each level				
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV	
CPDCL	L.T.	8.80	L.T.	1453.24	1593.467	1690.681	1761.493	1836.80	
CGS Share	11kV	5.75	11kV	330.11		350.25	364.92	380.52	
46.06%	33kV	4.02	33kV	469.53			489.19	510.11	
CGS (MU)	132kV	4.10	132kV	318.36				331.97	
587.88	PGCIL	5.10	TOTAL	2571.24	1593.47	2040.927	2615.60	3059.40	
			% Loss up to said voltage :				12.62%	13.87%	15.96%
						D. Loss:	362.73		
						T. Loss	125.44		
						PGC Loss	29.98	3089.38	
			Loss(MU) & % Loss incl.PGCIL :			TOTAL	518.14	16.77%	
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV	
EPDCL	L.T.	5.21	L.T.	500.23	527.72	551.49	571.55	595.99	
CGS Share	11kV	4.31	11kV	135.98		142.11	147.28	153.57	
15.80%	33kV	3.51	33kV	93.85			97.27	101.43	
CGS (MU)	132kV	4.10	132kV	212.05				221.12	
201.66	PGCIL	5.10	TOTAL	942.11	527.72	693.60	816.09	1072.10	
			% Loss up to said voltage :				8.27%	10.54%	12.12%
						D. Loss:	86.03		
						T. Loss	43.96		
						PGC Loss	10.28	1082.39	
			Loss(MU) & % Loss incl.PGCIL :			TOTAL	140.27	12.96%	
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV	
NPDCL	L.T.	7.50	L.T.	610.97	660.51	693.08	722.72	753.61	
CGS Share	11kV	4.70	11kV	109.90		115.32	120.25	125.39	
15.87%	33kV	4.10	33kV	21.78			22.71	23.68	
CGS (MU)	132kV	4.10	132kV	108.74				113.39	
202.56	PGCIL	5.10	TOTAL	851.39	660.51	808.41	865.67	1016.07	
			% Loss up to said voltage :				10.83%	14.21%	16.21%
						D. Loss:	123.03		
						T. Loss	41.66		
						PGC Loss	10.33	1026.40	
			Loss(MU) & % Loss incl.PGCIL :			TOTAL	175.02	17.05%	
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV	
SPDCL	L.T.	6.40	L.T.	868.54	927.9293	971.6537	1012.139	1055.4111	
CGS Share	11kV	4.50	11kV	114.15		119.53	124.51	129.83	
22.27%	33kV	4.00	33kV	200.69			209.05	217.99	
CGS (MU)	132kV	4.10	132kV	127.27				132.71	
284.24	PGCIL	5.10	TOTAL	1310.65	927.93	1091.179	1345.70	1535.94	
			% Loss up to said voltage :				9.94%	12.06%	14.67%
						D. Loss:	162.32		
						T. Loss	62.97		
						PGC Loss	14.50	1550.44	
			Loss(MU) & % Loss incl.PGCIL :			TOTAL	239.79	15.47%	
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV	
All Discoms	L.T.	0.00	L.T.	3432.98	3709.63	3906.91	4067.90	4241.81	
CGS Share	11kV	0.00	11kV	690.14		727.20	756.95	789.31	
100.00%	33kV	0.00	33kV	785.85			818.22	853.20	
CGS (MU)	132kV	4.10	132kV	766.42				799.19	
1276.34	PGCIL	5.10	TOTAL	5675.39	3709.63	4634.11	5643.07	6683.51	
			% Loss up to said voltage :				11.03%	13.01%	15.08%
			Loss (MU)				D. Loss:	734.10	
			1276.34 65.09				T. Loss	274.02	
							PGC Loss	65.09	6748.61
			Loss(MU) & % Loss incl.PGCIL :			TOTAL	1073.22	15.90%	

Calculation of Power Purchase Requirement for MAR, 2012
Power Purchase (in MU) with Voltage Wise Sales (in MU) and Voltage Wise Loss(%)

Annexure-A-IV

(Qtr-IV of FY 2011-12)

LOSSES AT DIFF.VOLTAGES(%)			Mar-12		Input after grossing up with losses at each level				
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV	
CPDCL	L.T.	8.80	L.T.	1645.89	1804.706	1914.807	1995.006	2080.30	
CGS Share	11kV	5.75	11kV	288.48		306.08	318.90	332.54	
46.06%	33kV	4.02	33kV	393.07			409.53	427.04	
CGS (MU)	132kV	4.10	132kV	289.44				301.81	
630.30	PGCIL	5.10	TOTAL	2616.89	1804.71	2220.892	2723.45	3141.69	
			% Loss up to said voltage :				12.90%	14.54%	16.70%
							D. Loss:	396.00	
							T. Loss	128.81	
							PGC Loss	32.15	3173.84
			Loss(MU) & % Loss incl.PGCIL :				TOTAL	556.95	17.55%
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV	
EPDCL	L.T.	5.21	L.T.	548.05	578.17	604.21	626.19	652.96	
CGS Share	11kV	4.31	11kV	123.90		129.48	134.19	139.93	
15.80%	33kV	3.51	33kV	84.10			87.15	90.88	
CGS (MU)	132kV	4.10	132kV	187.03				195.03	
216.21	PGCIL	5.10	TOTAL	943.07	578.17	733.69	847.53	1078.80	
			% Loss up to said voltage :				8.42%	10.80%	12.58%
							D. Loss:	91.49	
							T. Loss	44.23	
							PGC Loss	11.03	1089.82
			Loss(MU) & % Loss incl.PGCIL :				TOTAL	146.75	13.47%
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV	
NPDCL	L.T.	7.50	L.T.	739.35	799.30	838.72	874.58	911.97	
CGS Share	11kV	4.70	11kV	96.20		100.94	105.26	109.75	
15.87%	33kV	4.10	33kV	20.16			21.02	21.92	
CGS (MU)	132kV	4.10	132kV	102.71				107.10	
217.17	PGCIL	5.10	TOTAL	958.42	799.30	939.66	1000.85	1150.74	
			% Loss up to said voltage :				11.08%	14.50%	16.71%
							D. Loss:	145.15	
							T. Loss	47.18	
							PGC Loss	11.08	1161.82
			Loss(MU) & % Loss incl.PGCIL :				TOTAL	203.40	17.51%
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV	
SPDCL	L.T.	6.40	L.T.	1038.98	1110.02	1162.324	1210.755	1262.5178	
CGS Share	11kV	4.50	11kV	112.53		117.83	122.74	127.99	
22.27%	33kV	4.00	33kV	167.85			174.85	182.32	
CGS (MU)	132kV	4.10	132kV	139.66				145.63	
304.75	PGCIL	5.10	TOTAL	1459.02	1110.02	1280.155	1508.34	1718.46	
			% Loss up to said voltage :				10.05%	12.53%	15.10%
							D. Loss:	188.98	
							T. Loss	70.46	
							PGC Loss	15.54	1734.00
			Loss(MU) & % Loss incl.PGCIL :				TOTAL	274.98	15.86%
DISCOM	Voltage	% Loss	Voltage	Sales	LT	11kV	33kV	132kV	
All Discoms	L.T.	0.00	L.T.	3972.27	4292.19	4520.06	4706.53	4907.74	
CGS Share	11kV	0.00	11kV	621.11		654.33	681.09	710.21	
100.00%	33kV	0.00	33kV	665.18			692.56	722.17	
CGS (MU)	132kV	4.10	132kV	718.84				749.57	
1368.42	PGCIL	5.10	TOTAL	5977.39	4292.19	5174.39	6080.17	7089.69	
			% Loss up to said voltage :				11.23%	13.51%	15.69%
			Loss (MU)				D. Loss:	821.62	
			1368.42				T. Loss	290.68	
			69.79				PGC Loss	69.79	7159.48
			Loss(MU) & % Loss incl.PGCIL :				TOTAL	1182.09	16.51%

Annexure B

List of Objectors

Sl.	Objector's Name & Address
1	Sri M.Venugopala Rao, Journalist, H.No.7-1-408 to 403, Flat No.203, Sri Sai Darsan Residency, Balkampet Road, Ameerpet, Hyderabad 500 016
2	M/s Sri Shiva Spinning Mills Pvt. Ltd., 21-2-631, Urdugalli, Phatergatti, Hyderabad 500 002
3	M/s Mahavir Ferro Alloys, 21-2-631, Urdugalli, Phatergatti, Hyderabad 500002
4	Sri Y.Siddayya Naidu, President, Zilla Ryotu Samaikya, Diguvamaagam (V), Tavanampalli (M), Chittoor Dist.Mobile No.9490507932
5	Sri B.Shankariah, General Manager, M/s Grindwell Norton Ltd., Kadapa Road, Renigunta 517 520
6	Sri K.Vijay Kumar, Jt. Managing Director, M/s Sri Chakra Cement Ltd., Concrete House, 6-3-668/10/66, Durganagar Colony, Punjagutta, Hyderabad 500 082
7	Sri Jerome Inigo Jegam, Plant Head, M/s MRF Ltd., P.B.No.2, Sadasivapet, Medak Dist 502 291
8	M/s Agarwal Foundaries Pvt. Ltd., Rama Towers, 2nd Floor, 5-4-83, TSK Chambers, M.G.Road, Secunderabad 500 003
9	Sri K.Rajendra Reddy, President, Rashtriya Raithu Seva Samithi, P.Kothakota (V&Post), via Pakala (S.O.), Chittoor Dist 517 112
10	Sri M.Thimma Reddy, Convenor, People's Monitoring Group on Electricity Regulation, First Floor, 1-9-291/6/1, Vidyannagar, Hyderabad 500 044
11	Sri V.V.Prasad, Executive, M/s Vimta Labs Ltd., 142, IDA, Phase-II, Cherlapally, Hyderabad 500 051
12	Sri P.Purnachand, M/s Rocksand Minerals Pvt. Ltd., # 203, Vijaya Enclave, Plot No.32, Srinagar Colony, Hyderabad 500 073 Phone No.(040)66777888, 66777999 Fax No.(040)23737317 email rocksandhyd@yahoo.com
13	Sri K.Sankar Reddy, 22-9, Lakshminagar Colony, Chittoor
14	Sri D.V.A.S.Ravi Prasad, Advocate, 12-1-289, Road No.2, Anand nagar Colony, C.S.I.(SR) Post, Bandlaguda, Near Nagole, Hyderabad 500 068 Mobile No.9440234074 email raviprasaddhulipalla@rediffmail.com
15	Sri Ch.Prabhakara Rao, Unit Head, M/s Hindustan Zinc Limited (Vedanta), Zinc Smelter (PO), Visakhapatnam 530 015 Phone No.(0891)2517260, 2593509 Fax No.(0891)2517852
16	President, AP Plastics Manufacturers Association, 304, Raghava Ratma Towers, Chiragalilane, Abids, Hyderabad 500 001
17	Sri P.Parthasarathi, Executive Director, M/s Bal Krishna Livestock Breeders (P) Ltd., Kalyan Residency, D.No.177, T.P.Area, Tirupati 517 501 Phone No.(0877)2259780 Fax No.(0877)2259757 email kalyanresidency@eth.net kalyan7@sancharnet.in
18	Sri J.A.Rama Rao, Managing Director, M/s Vantech Chemicals Ltd., 103, Vijaya Enclave, Plot No.32, Srinagar Colony, Hyderabad 500 073 Phone No.(040)23751855, 23751877, 23751458 Fax No.(040)23751452 email vantech88@gmail.com

Sl.	Objector's Name & Address
19	Sri T.Shiv Kumar, Director, M/s Pramukh Packaging (P) Ltd., 1-1-162. Crystal Building, RTC X Roads, Hyderabad 500 020 Phone No.(040)27634313 Fax No.(040)27631600 email sales@pramukhpackaging.com
20	Sri R.V.Rao, Personnel Manager, M/s V.S.N.Hatcheries Pvt. Ltd., # 4-16667/2, Durga Nagar Colony, Greampet, Chittoor 517 002 Phone No.(08572)242299, 242678 Mobile No.8008552378 Fax No.(08572)240164 email vsnhatcheries@yahoo.co.in
21	Sri R.V.Rao, Personnel Manager, M/s Balaji Hatcheries, 25/239, Reddigunta Post, Chittoor 517 002 Phone No.(08572)242299, 242678 Fax No.(08572)240164 email balajihatcheries@yahoo.co.in
22	Smt. M.Uma, M/s Balaji Polypacks, Mapakshi Cross, Vellore Road, Chittoor 517 002, Mobile No.9848880641
23	Sri E.Hari Prasad, Manager, M/s Team Polymers, Sy.No.473/2, D.No.23-96/1, Industrial Estate, Chittoor 517 001 Phone No.(08572)23025 Mobile No.9440822833
24	Sri G.Manohar Babu, Managing Partner, M/s Best Industries, 22-174/1, Mallikarjuna Colony, Kattamanchi Road, Chittoor 517 001 Mobile No.9440822833, 9440043947, 9490109058 email bestindustriesctr@rediffmail.com
25	Managing Partner, M/s GCH Polymers, Plot No.58, D.No.23-52, Industrial Estate (Expansion), Chittoor 517 001 Phone No.(08572)228777 Fax No.(08572)228777
26	Smt. G.Saraswathi, Managing Partner, M/s Sree Lakshmi Polymers, 18-18, Prakasam High Road, Chittoor 517 001 Phone No.(08572)234827, 222288
27	Sri P.V.Narasimha Raju, Director, M/s Rolex Paper Mills Ltd., 27-17-71, Society Buildings, Bhimavaram, W.G. Dist 534 202 Phone No.(08814)220119, 223368 Mobile No.9848821119, 9848821119 Fax No.(08814)228627 email rolex_paper@yahoo.co.in
28	Smt. G.Sravanthi, Proprietor, M/s Sindhu Polymers, Plot No.49,50, Shed No.8, Industrial Estate, Chittoor 517 001 Phone No.(08572)234827, 222288
29	M/s Salguti Industries Ltd., 8-2-334/18, 3rd Floor, Road No.3, Banjara Hills, Hyderabad 500 034, Phone No.(040)23545939, 23543580
30	Sri N.S.Naidu, General Manager (Admin), M/s Vasant Chemicals Pvt. Ltd., 4th Floor, Vasant Towers, Behind Shoppers' Stop, Begumpet, Hyderabad 500 016, Phone No.(040)27760905, 27762653, 27762276 Fax No.(040)27767940 email vasant@vasantchemicals.com
31	Sri Amar Reddy, Chairman, M/s Pushpaky Auto Components Pvt. Ltd., Plot No.88/C, IDA, Jeedimetal, Hyderabad 500 055 Phone No.(040)23095084 Fax No.(040)23096567 email pushpaky09@gmail.com
32	Sri Amar Reddy, Managing Director, M/s Sonali Steels & Alloys Pvt. Ltd., Plot No.88/C, IDA, Jeedimetal, Hyderabad 500 055 Phone No.(040)23095084, 23096635 Fax No.(040)23096567 email info@sonalicastings.com

Sl.	Objector's Name & Address
33	Sri R.K.Agarwal, Hon. Chairman, M/s Andhra Pradesh Spinning Mills Associations, 105, 1st Floor, Surya Towers, Sardar Patel Road, Secunderabad 500 003 Phone No.(040)27890041 Mobile No.9849028556 email contact@apspin.com
34	Smt. G.Saraswathi, Managing Partner, M/s Sindhu Towers, 18-1025, Prakasam High Road, Chittoor 517 001 Phone No.(08572)234999, 236999, 228999
35	Sri N.Venkata Reddi, Managing Director, M/s Sri Ramadas Paper Boards Pvt. Ltd., 60-8-18, P&T Colony, Rajahmundry, E.G. Dist 533 105 Phone No.(0883)2461147, 2442117 Fax No.(0883)246117, 2444117 email ramadasworks@rediffmail.com
36	Smt. N.Kamala, Proprietor, M/s Sri Ramadas Pulp Packagings, Godavari Edible Oil Road, Kesavaram, mandapeta (M), E.G.Dist 533 341 Phone No.(08857)229717, 229817
37	Sri P.Ramaswamy Naidu, President, M/s Chittoor Granite Factory Owners Association, # 15-2191, Darga Cornor, Chittoor 517 001
38	Smt. K.Padma, Proprietor, M/s Andhra Pulp Products, Godavari Edible Oil Road, Kesavaram, mandapeta (M), E.G.Dist 533 341 Phone No.(08857)229717, 229817
39	Managing Partner, M/s Sri Venkateswara Plastics, Plot No.59, D.No.23-52, Industrial Estate (Expansion), Chittoor 517 001 Phone No.(08572)228777 Fax No.(08572)228777
40	Sri K.L.Rao, Whole Time Director, M/s Jeedimetla Effluent Treatment Ltd.,
41	Sri K.G.Ranganathan, Managing Director, M/s K.R.G.Hotels (Pvt.) Ltd. Hotel Bhimas Paradise, 33-37, Renigunta Road, Tirupati 517 501 Phone No.(0877)2237371 to 74 Fax No.(0877)2237277 email hotelbhimas@gmail.com
42	Sri D.Ravindranath Reddy, G.M. (Fianance & Accounts), M/s Nelcast Ltd., 34, Industrial Estate, Gudur 524 101 Phone No.(08624)251266 251766 Fax No.(08624)252066 email nelcast@nelcast.com
43	Sri A.G.V.V.N.Satyanarayana, Managing Director, M/s Akula Boards Ltd., Tanuku, W.G.Dist. 534 211
44	M/s Rama Spinners Pvt. Ltd., Rama Towers, 2nd Floor, 5-4-83, TSK Chambers, M.G.Road, Secunderabad 500 003 Phone No.(040)23447321/22, 27543803 Fax No.(040)27543804 email cottonspinners@gmail.com
45	M/s Sitaram Spinners Pvt. Ltd., Rama Towers, 2nd Floor, 5-4-83, TSK Chambers, M.G.Road, Secunderabad 500 003 Phone No.(040)23447321/22, 27543803 Fax No.(040)27543804 email cottonspinners@gmail.com
46	M/s Agarwal Foundries, Rama Towers, 2nd Floor, 5-4-83, TSK Chambers, M.G.Road, Secunderabad 500 003 Phone No.(040)23447321/22, 27543803 Fax No.(040)27543804 email msthermex@gmail.com
47	M/s Maruti Ispat & Energy Pvt. Ltd., Rama Towers, 2nd Floor, 5-4-83, TSK Chambers, M.G.Road, Secunderabad 500 003

Sl.	Objector's Name & Address
	Phone No.(040)23447321/22 Fax No.(040)27543804 email info@msthermex.com
48	M/s SPM Power & Telcom Pvt. Ltd., Plot No.A-28/1/12, Road No.15, IDA, Nacharam, Hyderabad 500 075 Phone No.(040)27151145, 27151158 Fax No.(040)27153063 email info@spmables.in
49	Sri B.V.Raghavulu, Secretary, A.P.State Committee Communist Party of India (Marxist), 1-1-60/2, M.B.Bhavan, Musheerabad, Hyderabad 500 020
50	Sri D.Ved Prakash, Managing Director, M/s Koganti Steels Pvt. Ltd., D.No.16/123, 7th Road, Jawahar Auto Nagar, Vijayawada 520 007 Phone No.(0866)2540449, 2540459 Fax No.(0866)2543199 email kogantisteels@mail.com
51	Sri Vinod Kumar, Partner, M/s Deepthi Steels, First Floor, Kanhaiyalal Estate, Distillery Road, Ranigunj, Secunderabad 500 003 Phone No.(040)27542546, 66383283
52	Sri N.K.Madan, Partner, M/s Arun Ispat Udyog, First Floor, Kanhaiyalal Estate, Distillery Road, Ranigunj, Secunderabad 500 003 Phone No.(040)27543389 Mobile No.9010299665 Fax No.(040)27544194 email arunispadyog@gmail.com
53	Sri R.Shravan Kumar, Partner, M/s Sree Vinayaka Steels, 2-3-577/1, 1st Floor, Sree Sai Complex, Near Sai Baba Temple, Minister Road, Nallagutta, Secunderabad 500 003 Phone No.(040)66312151, 27818509
54	Smt. J.Rama Lakshmi, Partner, M/s Rayalaseema Bio Fuels, # 14/36, IDA, Renigunta, Tirupati 517 520 Phone No.(0877)2275675, 2275775 Fax No.(0877)2275875
55	Sri J.V.V.Durga Prasad, Managing Director, M/s Sneha Vinyl Products Pvt. Ltd., IDA, Renigunta, Tirupati 517 520 Phone No.(0877)2275675, 2275775 Fax No.(0877)2275875 email snehavinyl@rediffmail.com
56	Sri V.Anand Reddy, Chairman-Energy, Federation of Andhra Pradesh Small Industries Associations, Administrative Building, Industrial Estate, Sanathnagar, Hyderabad 500 018 Phone No.(040)23812525 Fax No.(040)23707461 email fapsia@gmail.com
57	Sri PR Kiran Kumar Reddy, Treasurer, Yuvajana Sramika Rythu Congress Party, Plot No.883-884, Road No.45, Jubilee Hills, Hyderabad 500 033 Phone No.(040)23609595, 23609696
58	M/s Sree Satyanarayana Spinning Mills Ltd., Venkarayapuram, Tanuku, W.G.Dist 534 215 Phone No.(08819)224166, 224808 Fax No.(08819)224829 email elr_sssmtnku@sancharnet.in, sssmills.tanuku@gmail.com
59	Sri K.Ramakrishna, Ex-MLA, State Working President, APRS, Andhra Pradesh Ryotu Sangham, 210-Amrutha Estates, Himayathnagar, Hyderabad 500 029 Mobile No.9440045666

Sl.	Objector's Name & Address
60	Dr. K.Narayana, Secretary, CPI-APState Council, Communist Party of India, Makhdoom Bhavan, Himayat Nagar, Hyderabad 500 029 Phone No.(040)23224966, 23223338 Fax No.(040)23264296, 23227942 email cpiap@rediffmail.com, cpiapsc@gmail.com
61	Sri Challa Gunaranjan, Advocate, on behalf of M/s Ultra Tech Cements Ltd. 503, Aditya Trade Centre, Ameerpet, Hyderabad 500 038, 05, Subhodaya Apartments, Boggulakunta, Hyderabad 500 001 Phone No.(040)24754758, 24757591 Fax No.(040)24762713 email guna_challa@hotmail.com
62	Sri P.Narendranath Chowdary, Managing Director, M/s The Andhra Sugars Ltd., Venkarayapuram, Tanuku, W.G.Dist 534 215 Phone No.(08819)224911 to 915 Fax No.(08819)224168 email elr_asltnk@sancharnet.in
63	Er. J.S.Rao, Managing Director, M/s Keerthi Industries Ltd. (formerly Suvarna Cemnts Ltd.), Plot No.40, IDA, Balanagar, Hyderabad 500 037 Phone No.(040)23076538, 23076539 Fax No.(040)23076543 email general@keerthiindustries.com
64	M/s Diamond Steel Re-Rolling Mill, Survey No.28, Jalalpalli (V), Saroornagar (M),Rangareddy Dist.
65	M/s Venkateshwara Steel Industries, Jalpally (V), Saroornagar (M), Rangareddy Dist
66	Sri Prasad Ede, Chief Operating Officer, M/s IKP Knowledge Park, Genome Valley', Turkapally, Shameerpet (M), RangareddyDist 500 078 Phone No.(040)23480022 Fax No.(040)23480007 email info@ikpknowledgepark.com
67	M/s Shree Krishna Steels, Survey No.296/7/5, IDA, Bollaram, Jinnaram (M), Medak 502 325
68	Proprietor, M/s Akash Steel Industries, Plot No.7-68, Sy.No.68, Jalpally (V), Saroornagar (M), RangareddyDist
69	Proprietor, M/s Priyanka Steels, Plot No.7-68/1, Sy.No.68, Jalpally (V), Saroornagar (M), Rangareddy Dist
70	Sri V.Ratna Kumar, Authorized Representative, M/s Margadarsi Housing Private Limited (Formerly Margadarsi Housing and Finance Pvt. Ltd.), Ramoji Film City, Anajpur, RangareddyDist
71	Sri V.Ratna Kumar, Authorized Representative, M/s Ushodaya Enterprises Ltd., Eenadu Compound, Somajiguda, Hyderabad
72	Sri V.Ratna Kumar, Authorized Representative, M/s Ushodaya Enterprises Ltd., Eenadu Compound, Somajiguda, Hyderabad
73	Sri V.Ratna Kumar, Authorized Representative, M/s Usha Kiron Movies Ltd., Ramoji Film City, Anajpur, Rangareddy Dist
74	Sri V.Ratna Kumar, Authorized Representative, M/s Ushodaya Enterprises Ltd., Eenadu Compound, Somajiguda, Hyderabad
75	Sri V.Ratna Kumar, Authorized Representative, M/s Dolphin Hotels Ltd., Dabagardens, Visakhapatnam 530 020
76	Sri V.Ratna Kumar, Authorized Representative, M/s Ushodaya Enterprises Ltd., Eenadu Compound, Somajiguda, Hyderabad

Sl.	Objector's Name & Address
77	M/s Abhedya Industries Ltd., Sy.No.160, Kothur Industrial Estate, Kothur, Mahabubnagar 509 228 Phone No.(08548)201107, 201108, 201109, 201015 Fax No.08860075673 email abhedya@abhedya.com
78	Managing Director, M/s Padmavati Ply Pvt. Ltd., Sy.No.267 & 268, Gaganpahad, Hyderabad 501 323 Phone No.(040)65978909, 65979909, 24363999 Fax No.(040)24362909, 23403532 email padmavati@ply.com
79	Sri Gaurav Agarwal, Director, M/s Deevya Shakti Paper Mills (P) Ltd., Sy.No.252, Gaganpahad, Hyderabad 501 323 Phone No.(040)77740909, 24363001, 24360066, 20023280 Fax No.(040)24360009, 23403532 email infor@deevyashakti.com
80	M/s Meenakshi paper Mills Pvt. Ltd., 659, Satamrai, Gaganpahad, Hyderabad 501 323 Phone No.(08413)222909, 222910 Mobile No.9652775177 Fax No.(040)23403532
81	M/s Leo Laminates Pvt. Ltd., Sy.No.252, Gaganpahad, Hyderabad 501 323 Phone No.(040)77740909, 24363001, 20023280 Fax No.(040)24360009, 234360066, 23552909 email leolaminates0909@gmail.com
82	M/s Relmix Pvt. Ltd., # 31-27-48, Main Road, Kurmannapalem, Vadlapudi (Post), Visakhapatnam 530 046 Phone No.(0891)2700317, 2703767
84	Sri M.Badrinath, Flat No.201, Harika Enclave, Warasiguda, Secunderabad Mobile No.9849465085
85	Sri M.Sridhar Reddy, General Secretary, Bharathiya Kissan Sangh, A.P., 2-3-51, Classic Towers, F.203, Bagh Amberpet, Hyderabad 500 013 Mobile No.9866381090
86	Sri D.Ramu, Organizing Secretary, Bharathiya Kissan Sangh, A.P., 2-3-51, Classic Towers, F.203, Bagh Amberpet, Hyderabad 500 014 Mobile No.9441901736
87	Sri Madi Reddy Raji Reddy, President, Bharathiya Kissan Sangh, H.No.20-160/1/1, R.B.Nagar, Shamsabad, RR. Dist. 501 218, Mobile No.9848252628
88	Sri E.Laxmaiah, Member, Bharathiya Kissan Sangh, Sultan Pally (V), Shamsabad, Rangareddy Dist. 501 218
89	Sri V.Ravinder Rao, Member, Bharathiya Kissan Sangh, Flat 302, Sai Poornima Apts, Near Food World, Street.No.7, Nallakunta, Hyderabad 500 044
90	Sri P.Venkata Reddy, Member, Bharathiya Kissan Sangh, Regadi Basvada (V), Shabura (M). Via Parigi, Rangareddy Dist 501 501
91	Sri G.Narasimha Goud, Plt No.45, Indraprastha Colony, Phae-I, HasthinaPuram, Central L.B.Nagar, Hyderabad 500 079 Mobile No.9866295792
92	Sri J.Sridhar Rao, Member, Bharathiya Kissan Sangh, 2-2-18/18/7, Flat No,503, Sri Lakshmi Solitude, C Lane, Near Ahobil Mutt Temple, D.D.Colony, Hyderabad
93	Sri V.Surender Rao, Member, Bharathiya Kissan Sangh, Flat 302, Sai Poornima Apts, Near Food World, Street.No.7, Nallakunta, Hyderabad 500 044

Sl.	Objector's Name & Address
94	Sri Y.Srinivas Sarma, Member, Bharathiya Kissan Sangh, 12-11-1496, Boudhanagar, Near Ramalayam Street, Warasiguda, Secunderabad 500 061 Mobile No.7842503056
95	Sri J.Sri Ranga Rao, Treasurer, Bharathiya Kissan Sangh, A.P., 2-2-18/18/7, Flat No.503, Sri Lakshmi Solitude, C Lane, Near Ahobil Mutt Temple, D.D.Colony, Hyderabad Mobile No.9246533243
96	Sri M.V.Rajeshwara Rao, Secretary General, The Federation of Andhra Pradesh Chambers of Commerce & Industry, Federation House, FAPCCI Marg, Red Hills, Hyderabad 500 004 Phone No.(040)23395515 to 22 Fax No.(040)23395525 email info@fapcci.in
97	Sri P.B.Gopala Krishna, President (Mfg), M/s Madras Cements Ltd., Jaggayyapet Taluk, Krishna Dist. Phone No.(08654)224400 - 09 Fax No.(08654)222532 email acctsjpgm@madrascements.co.in
98	M/s K.Raheja IT Park (Hyd) Pvt. Ltd., Mindspace, Cyberabad, Sy.No.64(), APIIC Software Layout, 1st Floor, Titus Towers, Bldg.No.10, Madhapur, Hyderabad 500 081
99	M/s Jeevan Polymers Pvt. Ltd., # 12, C.I.E., Gandhinagar, Balanagar, Hyderabad 500 037 Phone No.(040)23080004, 23176538 Fax No.(040)23080982 email mail@jeevangroup.com
100	Director, M/s Jeevanjyothi Polymers Pvt. Ltd., Plot No.A-20, Road No.7, IDA, Kukatpally, Gandhinagar, Hyderabad 500 037 Phone No.(040)23073609
101	M/s Surya Jyoti Polymers Pvt. Ltd., Plot No.101, C.I.E., Gandhinagar, Balanagar, Hyderabad 500 037
102	M/s Vinnakota Enterprises, 2-158/8, Suraram, Quthbullapur, Rangareddy Dist 500 055
103	M/s Gayatri Granites, 2-158/11, Suraram, Quthbullapur, Rangareddy Dist 500 055
104	Sri Manoj Kumar Jain, Director, M/s Jayanti Boards Ltd., Mandapaka, Tanuku, W.G.Dist 534 218 Phone No.(08819)222201, 223811 Fax No.(08819)225411 email jayantiboards@rediffmail.com
105	Sri K.Vanadri Naidu, Surineni Palli, Pakala (M), Chittoor 517 112 Mobile No.9440703168
106	Sri T.Kesavulu Naidu, Managing Director, M/s Dora Plastics Pvt. Ltd., Plot No.31, Industrial Estate, Settupalli (Post), Renigunta Road, Tirupati 517 506 Phone No.(0877)2274316,2285116 Fax No.(0877)2271266
107	Sri L.Rama Moorthy, Managing Director, M/s Jagdheesh Industries, 3rd Main Road, Extension Industrial Estate, Settupalli (Post), Renigunta Road, Tirupati 517 506 Phone No.(0877)2285414
108	Sri T.Kesavulu Naidu, Managing Director, M/s Jagdheesh Food Packs Pvt. Ltd., Plot Nos D1, De & E10, AP Industrial Estate, Renigunta Road, Settupalli Post, Tirupati 517 506 Phone No.(0877)227438, 2274316 email jdfppl@rediffmail.com

Sl.	Objector's Name & Address
109	Smt. T.Latha, Managing Director, M/s Keshava Fabrics Pvt. Ltd., Plot No.37 to 39, Industrial Estate, Settipalli (Post), Renigunta Road, Tirupati 517 506 Phone No.(0877)2274316, 2285116 Fax No.(0877)2271266 email keshavafabrics@rediffmail.com
110	Sri T.Kesavulu Naidu, Managing Director, M/s Keshava Plastics, Plot No.31 & 36, Industrial Estate, Settipalli (Post), Renigunta Road, Tirupati 517 506 Phone No.(0877)2274316, 2285116 Fax No.(0877)2271266 email dorasyringes@rediffmail.com
111	Sri Com.Gade Diwakar, General Secretary, All India Kisan-Mazdoor Sabha (AIKMS), 1799, Giane Bazar, Kotla Mubarakpur, New Delhi 110 003 Phone No.(011)24645276 email aikms2000@hotmail.com
112	Sri T.Damodar Reddy, General Manager, M/s Artemis Biotech (A division of Themismedicate Ltd.), Plot No.1&5, IDA, Jeedimetla, Hyderabad 500 055
113	Partner, M/s Hanuman Ispat Udyog, Plot No.50, Industrial Park, Eedulapaka, Bonangi (V), Parawada, Visakhapatnam 530 021
114	M/s Khair Steel Re-Reolling Mills, Sy.No.184, Jalpally (V), Near Gaganpahad, Rangareddy Dist.
115	M/s Subhan Steels, D.No.6-8-1/B, Jallpally (V), Saroornagar (M), Rangareddy Dist
116	M/s Kisan Tata Agro Industry, No.8-14-14, Opp. Miralam Tank, Hyderabad 500 252
117	M/s Madiha Metal Works, D.No.6-4-39, A.G.College Main Gate, Post Gaganpahad, Rangareddy Dist. 501323
118	Sri M.M.Reddy, Managing Director, M/s MAKS Industries Ltd., Plot No,125-127 & 134-136, Phase-III, IDA, Cerlapally, Hyderabad 500 051 Phone No.(040)27261794 Fax No.(040)27201591 email maksindustries@yahoo.com
119	Sri M.M.Reddy, Managing Director, M/s MAKS Castings Pvt. Ltd., # 12, IDA, Uppal, Hyderabad 500 039 , Phone No.(040)27208704/5 Fax No.(040)27208704 email makscastings@yahoo.com
120	M/s Sree Dinakar Fabrics Pvt. Ltd, K.IIindalaparru, Tanuku, W.G.Dist 534 217 Phone No.(08819)284314, 284154 Fax No.(08819)284943 email eld_sdfpl@sancharnet.in, sreedinakarfabrics@gmail.com
121	Sri V.Nagaraju, Secretariate Member, Communist Party of India (Marxist), Chittoor District Committee, 18-1-90-9/12/h12, M.B.Bhavan, Yasodanagar, Tirupati 517 501
122	Sri P.Venkatarathnam, Secretariat Member, Communist Party of India (Marxist), Chittoor District Committee, 18-1-90-9/12/h12, M.B.Bhavan, Yasodanagar, Tirupati 517 501
123	Sri K.Kumar Reddy, Secretary, Communist Party of India (Marxist), Chittoor District Committee, 18-1-90-9/12/h12, M.B.Bhavan, Yasodanagar, Tirupati 517 501
124	Sri Kandharapu Murali, Secretariat Member, Communist Party of India (Marxist), Chittoor District Committee, 18-1-90-9/12/h12, M.B.Bhavan, Yasodanagar, Tirupati 517 501
125	Sri P.S.S.Naidu, President, Mallapur Industrial Units Welfare Association, 136/D, IDA, Mallapur, Hyderabad 500 076 Mobile No.9000990566 email miuwas@gmail.com

Sl.	Objector's Name & Address
126	Sri P.S.S.Naidu, Managing Director, M/s Deccan Smiths Pvt. Ltd., Plot No.16, Phase-I, IDA, Mallapur, Hyderabad 500 076 Phone No.(040)27175071 Mobile No.9000990566 Fax No.(040)27174038 email deccan_smiths@yahoo.co.in deccansmiths@gamil.com
127	Sri R.Sada Siva Reddy, President, Jeedimetla Industries Association, P-27/D, Phase-III, Opp. Bus Depot, IDA, Jeedimetla, Hyderabad 500 055 Phone No.(040)23096366 email jiahyd@gmail.com
128	Managing Director, M/s DeeJay Multipacks (P) Ltd., Plot No.15/3. IDA, Gajulamandyam, Athur P.O., Near Renigunta, 517 520 Phone No.(08574)275364
129	Sri T.Harish Rao,, MLA, Siddipet,
130	Sri M.Sankara Reddy, Chief Financial Officer, M/s Nippo Batteries Co. Ltd., Pottipati Plaza, 4th Floor, 77, Nungambakkam High Road, Chennai 600 034 Phone No.2827 2711/5653 email power@nippobatteries.com
131	M/s A.V.R.Organics Pvt. Ltd, Sy.No.12&13, Yavapur (V), Vikarabad Road, Sadasivapet, Medak 502 291 Phone No.(08455)285370, 241148, 244489 Fax No.(08455)241374 email avrorganics@gmail.com
132	Director, M/a Arene Life Sciences Ltd, Plot No.48-51, 209-211 Phase II, IDA, Pashamylaram, Medak
133	M/s Sri Chaitanya Chlorides Pvt. Ltd, Plot No.30-32, 39-41 Phase II, IDA, Pashamylarm, Medak 502 319 Phone No.(08455)241148, 285370, 244489 Mobile No.9391124434 Fax No.(08455)241374
134	M/s S.R.Drugs & Intermediates (P) Ltd, Plot No.24 B 1/2 Phase I, IDA, Patancheru, Medak Phone No.(08455)241148, 244489 email info@srdrugs.in
135	Managing Director, M/s VSF Projects Ltd, Plot No.89/A, Aiswarya, Street No.8, Sagar Society, Road No,2, Banjara Hills, Hyderabad 500 034
136	Sri C.Bhagavantha Rao, Managing Director, M/s Incap Limited, 1-58, Nidamanuru, Vijayawada 521 104.
137	Sri G.M.Lokesh, Executive Director, M/s Mahadev Profiles (P) Ltd., Plot No.35, Phase 1, Industrial Park, Pashmyalaram, Patancheru Mandal, Medak email info@mahadevprofiles.com
138	Director, M/s Superflo Private Limited, Plot No.20/A/2, Phase IV, IDA Jeedimetla, Hyderabad 500 055 Phone No.(040)23095068, 23096753, 23096799 Fax No.(040)23096498 email superflo@kaalmanngroup.com
139	Director, M/s Kaalmanns Plastics Pvt. Ltd., Plot No.56, Phase III, IDA Jeedimetla, Hyderabad 500 085 Phone No.(040)23095068 Mobile No.9949852227 Fax No.(040)23096498 email kaalmanns@kaalmanngroup.com
140	M/s Kanta Rubber Pvt. Ltd., 143-144, Phase V, IDA Jeedimetla, Hyderabad 500 055 Phone No.(040)32955050, 32963335 Fax No.(040)23090505 email marketing@kantarubber.com

Sl.	Objector's Name & Address
141	M/s Ability Engineering Equipments, Plot No.53, Phase-I, IDA, Jeedimetla, Hyderabad 500 055 email abilityyengg@rediffmail.com
142	M/s Laxmi Engineers, Plot No.26/A, Phase-III, IDA, Jeedimetla, Hyderabad 500 055 Phone No.(040)23064174 Mobile No.9848036016 email laxmiengineers2010@gmail.com
143	M/s Dymes Pharma Chem Ltd., Plot No.33, S.V. Co-op Industrial Estate, Jeedimetla, Hyderabad 500 055 Phone No.(040)23194204, 23140268 Fax No.(040)23140267 email info@dymespharmachem.com
144	Managing Partner, M/s Balaji Engineering Works, Plot No.25/A, Phase-III, IDA, Jeedimetla, Hyderabad 500 055
145	Challa Gunaranjan, Advocate, On behalf of M/s GMR Hyderabad International Airport Ltd., Plot No.25/A, Phase-III, IDA, Jeedimetla, Hyderabad 500 055
146	Sri G.R.Karunakar, State Executive Member, Bharatiya Janata Party, Plot 56, Laxmi Mega Township, Hayatnagar, Rangareddy 501 510 Phone No.(040)24243338
147	Dr. V.Gopinath, Legal Advisor, M/s Thermal Systems (Hyderabad) Pvt. Ltd., Apuroopa Township, Jeedimetla 500 055 Phone No.(040)23091801 Fax No.(040)23097433 email info@thermalindia.com
148	Director, M/s Jagadamba Engineering Pvt. Ltd, D-165&166, Phase III, IDA Jeedimetla, Hyderabad 500 055 Phone No.(040)23096336, 23098123 Fax No.(040)23193093 email jepl@rediffmail.com
149	Managing Director, M/s Vivid Plastics Pvt. Ltd., Plot No.D-53, Phase-I, IDA Jeedimetla, Hyderabad 500 055 Fax No.(040)23192571 email vividplastics@gmail.com
150	Sri V.B.Singh, Works Manager, M/s Mantri Engineering Company Pvt Ltd, D-11, Phase V, IDA Jeedimetla, Hyderabad 500 055 Phone No.(040)23095644 Fax No.(040)23093169 email mecpl@dmgroup.in
151	Partner, M/s Ashkin Die-Castings, D-167, Phase-III, IDA Jeedimetla, Hyderabad 500 055 Phone No.(040)23096336 Fax No.(040)23193093 email ashkindiecastings@gmail.com
152	Sri N.S.Naidu, General Manager Admin, M/s Vasant Chemicals Pvt. Ltd, 4th Floor, Vasant Towers, Behind Shoppers' Stop, Begumpet, Hyderabad 500 016 Phone No.(040)27760905, 27762653, 27762276, 23091328 Fax No.(040)27767940 email vasant@vasantchemicals.com
153	Sri A.Suresh Babu, Managing Partner, M/s Cal-On Instruments, Sy.No.193, Phase IV, IDA Opp.Railway Station, Cherlapally, Hyderabad 500 051 Fax No.(040)27260203, 27260262 email info@cal-on.com
154	Sri R.Rajendran, Managing Director, M/s Vamshadhara Paper Mills Ltd., Sy.No.193, Phase IV, IDA Opp.Railway Station, Cherlapally, Hyderabad 500 051

Sl.	Objector's Name & Address
155	M/s Duccan Alloy Castings (I) Pvt. Ltd, Plot No.5-B, Phase-1, IDA Patancheru, Medak 502 319 Fax No.(08455)242051, 242052, 286150 email duccan99@gmail.com
156	Sri K.Dhamodharam, Asst. Manager (F&A), M/s Martoppearl Alloys Pvt. Ltd, Plot No.17, Phase IV, IDA Patancheru 502 319 Phone No.(08455)240230, 242658, 243388 Fax No.(08455)242658 email maplptc1985@yahoo.in
157	Sri S.Satyanarayana, Managing Director, M/s Esskay Machine Tools Pvt. Ltd., Plot No.28/A, Phase III, IDA Jeedimetla, Hyderabad 500 055 Phone No.(040)23098996 Fax No.(040)23194279 email info@esskaymachinetools.com
158	Sri M.Venkaiah, Managing Director, M/s Upputuramma Hotels and Resorts Pvt Ltd., 14-2-118, 119, T.P.Area, Tirupati 517 501 Phone No.(0877)2256430 Fax No.(0877)2256438 email hotelsindhuri@rediffmail.com
159	Sri P.Srinivasa Rao, M/s Raavela Engineering Industries, Plot No.16, IDA, Cherlapally, Phase-I, Hyderabad 500 051 Phone No.(040)27262601 Fax No.(040)27261303 email info@raavelaenggind.com
160	Sri K.Laxminarayana, Managing Director, M/s Hyderabad Wires & Filaments Pvt. Ltd., D-15A, Phase IV Extn. IDA Jeedimetla, Hyderabad 500 055 Phone No.(040)27752240 Fax No.(040)23090707 email hyfil@yahoo.com
161	Sri J.K.Arya, Managing Director, M/s E.P.Industrial & Agro Products pvt. Ltd., F-12/A, Phase-I, IDA Jeedimetla, Hyderabad 500 055 Phone No.(040)23095591 Fax No.(040)27843197 email epindustrial@eth.net
162	Sri R.J.Mohan Rao, Managing Partner, M/s Raavela Doors & Decors, A-13, Road No.9, IDA Nacharam, Hyderabad 500 076 Phone No.(040)27154121 Fax No.(040)27154122 email info@raaveladoors.com
163	Sri A.Ananda Kumar Reddy,
164	Sri R.J.Mohan Rao, GPA Holder, M/s Modular Millennium, Plot No.14, IDA Cherlapally, Phase-I, Hyderabad 500 051 Phone No.(040)27263792 Fax No.(040)27261303 email info@modularmillennium.com
165	Sri Hitesh Kumar Manchanda, Executive Director, M/s Hitesh Chemicals & Drugs Pvt. Ltd, D7&8, Industrial Estate, Patancheru, Medak 502 319 Phone No.(08455)242040 Fax No.(040)23353734 email hiteshchemicals@hathway.com
166	Sri R.J.Mohan Rao, Managing Partner, M/s Mohan's Wood Works, Plot No.18, IDA Cherlapally, Phase-I, Hyderabad 500 051 Phone No.(040)27262515 Fax No.(040)27261303 email info@mohanswoodworks.com
167	M/s Medha Dyechem Pvt. Ltd., Plot No.D-169 & 171, Phase-III, IDA Jeedimetla, Hyderabad 500 055 Phone No.(040)65884498
168	M/s Spica Laboratories Pvt. Ltd, Sy.No.270/C2, S.Lingotam (V), Choutuppal (M), Nalgonda

Sl.	Objector's Name & Address
169	M/s Sheetal Chemicals Pvt. Ltd., Sy.No.2796/7/9, IDA Bollaram, Hyderabad 502 325 Mobile No.9346788288
170	M/s Shodhana Laboratories Ltd, Plot No.26, Phase-1, IDA Jeedimetla, Hyderabad 500 055 Phone No.(040)66844664 Fax No.(040)66848998 email info@shodhana.com
171	M/s Orchem Intermediates Pvt. Ltd, Plot No.25, Phase-1, IDA Jeedimetla, Hyderabad 500 055