



ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
4th & 5th Floors, Singareni Bhavan, Red Hills, Hyderabad - 500004

Present

Sri C.R.Sekhar Reddy, Member & Chairman (I/c)
Sri R.Ashoka Chari, Member

Dated 29-06-2013

ORDER

In the matter of Determination of Fuel Surcharge Adjustment (FSA)
for 4th Quarter (Jan'13 - March'13) of FY 2012-13

Central Power Distribution Company of AP Ltd. (APCPDCL) ...OP No.27 of 2013
Eastern Power Distribution Company of AP Ltd. (APEPDCL) ...OP No.29 of 2013
Northern Power Distribution Company of AP Ltd. (APNPDCL) ..OP No.30 of 2013
Southern Power Distribution Company of AP Ltd. (APSPDCL) ..OP No.28 of 2013

..... Applicants

Chapter-I

1. This matter came up for public hearing on 12-06-2013 before several consumers, the representatives of various consumer organizations & learned Counsels representing bulk consumers and associations; 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 Retail Supply Tariff Order for 2012-13, additional cost of 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 4th Quarter of financial year 2012-13 i.e. for the period from Jan'13 to Mar'13 were submitted by the 4 Nos of Distribution Licensees (Discoms) in the state, viz.,

APCPDCL, APEPDCL, APNPDCL and APSPDCL, on 25th & 26th of April , 2013 before APERC.

4. Brief details of the FSA proposals for the 4th Quarter of FY 2012-13, submitted by the Distribution Licensees (Discoms in short) are as follows:

Particulars	APCPDCL	APEPDCL	APNPDCL	APSPDCL
Proposed FSA Amount (Rs Cr)	527.0	223.0	137.0	249.608
Non Agricultural Sales (MU)	5106	2186	1348	2436.784
FSA Rate (Rs/kWh)	1.0271	1.0271	1.0271	1.0271

5. The Discoms while submitting the claim, requested the Commission to permit the Licensee to collect FSA amounts during the 4th Quarter of FY 2012-13 on weighted average basis of Rs 1.0271 per unit per month.
6. The said filings were taken on record and the following O.P. Nos were assigned.

Sl. No.	Discom	O.P. No.
1	APCPDCL	27 of 2013
2	APEPDCL	29 of 2013
3	APNPDCL	30 of 2013
4	APSPDCL	28 of 2013

7. The Licensees were directed by the Commission as follows-
- To notify their proposals for 4th Quarter FSA for FY 2012-13 to the public in two English and two Telugu daily newspapers, having wider circulation in their area of supply, to be appeared on 02-05-2013.
 - To notify that written objections/suggestions on the proposals of the Discoms can be submitted to the Commission Secretary, APERC, 5th Floor, Singareni Bhavan, Red Hills, Hyderabad 500 004, so as to reach by 01-06-2013 with a copy marked to the Chief General Manager/Regulatory Affairs of the concerned Discom.

- c) Further to notify that the Commission would be conducting public hearings on the matter on 12-06-2012, from 11:00 AM onwards at Court Hall of APERC, Hyderabad.
 - d) To place the FSA proposals on their respective websites along with allocation statements / background calculation sheets.
8. The Public Notice, issued by the Licensees at the directions of the Commission, appeared on 2/05/2013 in the Newspapers. About 48 Nos. of Objectors (persons/organizations/consumers) filed their objections within the due date i.e. 01-06-2013.
 9. In the following chapter, a summary of the objections, submitted both in writing & orally, by various persons/consumer associations/representative bodies/political parties/organizations/legal counsels, 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 these objections/suggestions, along with the replies submitted by the Discoms. While doing so, wherever required, Commission has indicated its views on the respective issue/issues.
 10. 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 well thought of views & suggestions.
 11. A list of persons/consumer associations/representative bodies/political parties/organizations/legal counsels who filed objections before the Commission, is given as Annexure-B.

CHAPTER - II

ANALYSIS OF ISSUES ARISING FROM WRITTEN OBJECTIONS & PUBLIC HEARING

Issue: 1

12. Variation in Variable Cost of APGENCO is much higher than CGS Stations.

Sri. K.Narayana, Sri. T. Harish Rao & Others have contended that, out of total FSA claim of Rs. 1,137.70 crore, Rs. 1,031.46 crore is towards variation in variable costs. In other words, 91% of the proposed FSA claim is because of increase in variable cost. In general the variable costs claimed to have been incurred by the generators is higher than that mentioned in the Commission's tariff order for the year (2012-13). Within this there is wide variation in increase in variable costs of coal based plants of central generating stations (CGS) and APGENCO plants. In the case of CGS plants variation in hike on higher side is in the range of 6 to 20 percent. In the case of APGENCO plants it is in the range of 36 to 71 percent. Both the CGS as well as GENCO plants obtain coal from the same sources. Like GENCO plants CGS plants are also using imported coal. Even then when variable costs of CGS declined that of GENCO plants increased.

When the increase in coal prices did not affect CGS much how is it that variable costs of GENCO plants increase by nearly 70%? It is the responsibility of APERC to see that this puzzle is solved in a transparent manner, to the satisfaction of all stakeholders. We request APERC to direct DISCOMs and GENCO to make all facts public.

Replies of Licensees :

In APGenco, the variable cost is increased due to procurement of imported coal, procurement of additional coal by paying premium price and normal inflationary effect on the coal. The variance in cost of gas, in IPPs, is due to use of RLNG and increase in foreign exchange rate over period even domestic gas price is reimbursed to IPPs based on the dollar rate converted into rupee rate. The variance in variable cost with reference to Tariff Order is on account of proportionate usage of imported coal, location of plant etc.,

Commission's View:

The variable cost of each generating station shown in the Retail Supply Tariff Order for FY 2012-13 is only estimated rate which is taken based on previous year rate. The actual variable cost will change based on the market fluctuations and availability of linkage coal. In shortage of linkage coal, the generating companies have to procure either premium coal in the market or imported coal.

However, the bills submitted by the CGS stations through DISCOMs which are under purview of CERC, have been prudently checked as far as quantity of coal with GCV used. The prudent check resulted in reduction of Rs. 41.01 crores.

Regarding APGENCO stations, they are procuring imported coal duly calling tenders from central public sector undertakings and orders have been placed on lowest bidder. Further, in case of shortage of linkage coal, the domestic coal is procured from M/s SCCL at premium price which is a weighted average of e-procurement price. Due to this there is variation in average price of domestic coal. However while scrutinizing the bills claimed by APGENCO through DISCOMs, Commission observed that there is variation of actual quantity of coal consumed to that of quantity of coal consumption arrived based on GCV and number of units (kWh) generated, the value to the extent of Rs.139 Crores disallowed.

Issue: 2**13. Failure of DISCOMs to procure required Power:**

Sri. M. Timma Reddy, Sri. Janaki Ramulu and Others have stated that, the DISCOMs failed to procure power for shortage during this quarter. While shortfall in power supply from hydel units was 715 MU it was 1,306 MU from short term purchases, even after crossing the unit price set by the Commission. DISCOMs stated that, they were constrained to procure the power from short term sources through transparent tender procedure. Instead of being constrained they were given freedom to procure power from short term sources. Even with an advance approval they failed to

procure the necessary quantum of power. The information provided by DISCOMs also shows that power was not procured from Power Exchanges. That prices from power exchanges are lower than that arrived through the so called competitive, transparent bidding procedure. There is need for close scrutiny of short term power purchases contracted by DISCOMs in the state during 4th quarter of FY 2013.

Replies of Licensees :

As indicated by the objectors, there is shortage of procurement power from IPPs and less generation from hydel station. The short term power procurement to the extent of power allowed by Hon'ble APERC should be seen in relation to the over all demand in neighbouring states and availability of corridor linking SR. The procurement of power from PX & IEX again depends upon the corridor congestion and requirement of power by DISCOMs at a particular hour. Further, different prices are discovered by exchange in different spells, like low, high and average. Discoms could not procure power from Exchanges due to cost limitation.

Commission's View:

Commission considers that the response of the DISCOMs is satisfactory.

Issue 3:

14. Increase in domestic Coal Prices:

Sri. K. Raghu, Sri. D.V.Krishna & Others have stated that, one of the important reasons for increase in variable costs is the rise in coal prices of both Coal India Ltd (CIL) and its subsidiaries and SCCL. Coal prices are increased even when the coal mining companies were reaping enormous profits. The mining companies in the country raised the coal prices by 25 to 40% even when they were reaping enormous profits. Even though the CIL & SCCL is said to be sitting on accumulated profits they are increasing coal prices.

Replies of Licensees :

The Coal policy is determined by GOI and DISCOMs do not have any option.

Commission's View:

The Commission of the opinion that the fixation of price of linkage coal (domestic) from SCCL and Coal India Ltd (CIL) are not within the hands of DISCOMs. The response given by the DISCOMs is satisfactory. However, the DISCOMs take up the matter with GoAP and Gol.

Issue 4:**15. Cost of imported coal is not commensurate with its GCV.**

Sri. T. Harish Rao, Sri. K. Raghu. Dr. K. Narayana & Others have pointed out that, another important reason for the proposed FSA burden is the use of costly imported coal. Imported coal is two to six times costlier than domestic coal. Higher price for imported coal should be in commensurate with its higher GCV, and these price relations show that imported coal shall not lead to increase in power generation cost. But the information provided by DISCOMs show that the reported higher GCV of imported coal compared to domestic coal is not visible at the actual power generation stage. Imported coal is said to have 80% more GCV than domestic coal. 1.6 MT of imported coal is said to be equivalent to 2.88 MT of domestic coal. Thus the use of imported coal did not add significantly or make much difference to average GCV. There is need to examine the actual GCV of imported coal is in relation to the price paid to it.

When compared to the cost of imported coal the actual GCV achieved do not hold any comparative advantage of depending on imported coal. This brings in to question the preference shown by some power developers to go in for imported coal. This shows that they are trying to benefit from the price differential at the cost of consumers in the country.

Replies of Licensees :

Imported coal is used by generating station as per GOI guidelines and it is true that by usage of imported coal, there will be marginal increase in variable cost. The reduction in supply of domestic coal force DISCOMs to fill up with imported coal, therefore the overall generation may not increase

but it can avoid reduction in generation on the ground of short supply of domestic coal.

Generally, the gross calorific value of indigenous coal and imported coal varies from time to time i.e. based on the grade of coal being received by respective thermal station from different mines. Further it is to submit that the variation in weighted average GCV of imported coal & indigenous coal only due to type of coal being received from respective months.

Commission's View:

Regarding claims pertains to 4th quarter FSA for FY 2012-13, the Commission has examined and prudently checked the bills pertains to NTPC stations, APGENCO stations on usage of imported coal, price and GCV. Generally, the Gross Calorific Value (GCV) of indigenous coal and imported coal varies from time to time i.e. based on the grade of coal being received/procured by respective thermal station from different mines in different months. The price of imported coal also depends on transport cost and other market factors apart from GCV. Normally the generating stations designed for indigenous coal will use domestic coal. In the shortage of linkage coal, the imported coal will be procured and blended with domestic coal in order to generate the power.

However, the Commission gave the directives in the Retail Supply Tariff Order for FY 2013-14, which will be effective from 01-04-2013, (i) on monitoring of cost of imported coal procured by APGENCO and NTPC (ii) dependents on imported coal (iii) the quality of domestic coal (iv) transit loss of coal and impact of imported coal.

Issue: 5

16. Natural gas allocation to M/s LANCO & GMR.

Sri. T. Harish Rao, Sri K. Raghu & Others have contended that, the natural gas from RIL's KG Basin was allotted to merchant plants of Lanco and GMR on the recommendations of the GoAP. While allocating gas to these plants the EGOM laid down the condition that they should supply power produced from this gas to DISCOMs within the state at the rate determined by the

Commission, through a long-term PPA. But for a considerable time they supplied power outside the state in violation of conditions laid down by the EGOM. After a hue and cry in the state they started supplying power in the state but at the open market. This entailed huge burden on the consumers in the state. Even when the EGOM terms clearly state that these merchant plants shall enter in to long term PPAs to be eligible for gas allocation all these while they avoided entering in to long term PPAs and selling power at open market prices.

Replies of Licensees :

APDISCOMs have made all the possible efforts to fulfil the directive of GOI for continuation of KG D-6 gas to Lanco Stage II and GMR Barge. However, the aforesaid projects have not accepted to any of the proposals made by APDISCOMs i.e; (i) Medium term bidding (ii) Long term PPA and (iii) Clubbing/diversion of Gas.

In light of the above, notices were issued to GMR Barge & Lanco Stage-II to restrict the short term power purchase rate for these two projects on par with long term PPAs of New IPPs (M/s Gautami, M/s Konaseema & M/s Vemagiri) with immediate effect. Further it was also informed that pending tariff determination by APERC to these two projects, to recover the differential amount (Unit rate paid under short term - Unit rate paid to New IPP under long term so far paid for the power supplied under short term. After fixation of Tariff by APERC, necessary truing up would be made. After Truing up, if any benefit accrued to APDISCOMs would be passed on to the consumers.

GoAP was requested by APDISCOMs to recommend for diversion of RIL D-6 gas of GMR Barge and Lanco Stage-II to the AP IPPs which are supplying power to APDISCOMs under long term PPAs.

The aforesaid projects have approached Hon'ble AP High Court against the notices issued by APDISCOMs. The matter came-up for hearing on

12.02.2013. Hon'ble AP High Court directed APDISCOMs to file counter Affidavit by 18.02.2013.

Commission's View:

The determination of tariff to GMR-Barge Mounted and Lanco Kondapalli Stage-II does not fall under the purview of either section 62(1) or section 63 of Electricity Act, 2003. After 09-01-2011, the question of determination of tariff by the Commission for sale of electricity by a specific generator to a distribution company on cost plus basis does not arise for short term purchases. The purchases have to be made by the DISCOMs following the guidelines of case-I/case-II bidding after 09-01-2011 except the short term purchases, these short term purchases have to be made as per the short-term purchases guidelines notified by MoP, Gol. As far as the short-term purchases are concerned, Commission has fixed the maximum ceiling price of Rs 5.50 per kWh.

The DISCOMs have to procure the short-term purchases within the ceiling price, duly following the short term purchase guidelines (through competitive bidding).

Issue 6:

17. Short-Term Price Ceiling:

Sri. P. Prahlada, Sri. J. Arun Kumar & Others have stated that, the Commission has put the limit of Rs. 5.50 per unit as the price for open market purchases. But the present FSA proposals of DISCOMs show that nearly 40% of the open market purchases were paid more than this limit. The DISCOMs are covering the above high price behind the so called market discovered price. We request the Commission not to approve higher prices. As the whole open market, short term power purchases are mired in controversies we request the Commission to conduct a detailed enquiry in to these purchases.

Replies of Licensees :

The short term power procurement are in a most transparent manner and the rate except one or two sources the rate is fixed at Rs. 5.60 Per Kwh.

Commission's View:

Commission while scrutinizing the FSA claims, is limiting the cost of procurement from Short Term sources to the ceiling limit of Rs. 5.50/kWh prescribed by the Commission and ensuring that, the additional cost of procurement over and above the ceiling price is not loaded into FSA determined by the Commission.

Issue 7:

18. STOA & SLDC Charges:

Sri. D.V. Krishna, Sri. Janaki ramulu & Others have mentioned that, in the FSA claims for the fourth quarter of 2012-13 the DISCOMs included claims to the extent of Rs. 9.64 crore towards SLDC charges. As these are not related with power purchases admissible under FSA the same shall be rejected. The DISCOMs also claimed Rs. 43.86 crore towards STOA during fourth quarter of 2012-13. We request the Commission to treat DISCOMs' claim for STOA during fourth quarter of 2012-13, in similar lines with the treatment done in 3rd Quarter FSA Order.

Replies of Licensees :

STOA is the part of the power purchase cost procured from short term sources and the cost incurred on STOA is a part of total cost incurred to deliver the power to the consumer. Since DISCOMs have already paid this amount, Hon'ble commission is requested to allow this amount.

Commission's View:

The Commission is of the view that the STOA charges and SLDC charges claimed by DISCOMs are not part of fixed cost as per Tariff Order for FY 2012-13. Hence, the same is not being allowed in determination of FSA.

Issue 8:

19. Commission contributing to hike in Power Purchase Costs:

Sri. T.Harish Rao, Sri P.Pullaiiah & Others have pointed out that, Commission itself is contributing to hike in power purchase costs - increase in ceiling of open market price to Rs. 5.50 per unit and recent increase in wind energy tariff are just two examples. And these decisions were also characterized by

lack of transparency, and meant to benefit a section at the cost of electricity consumers in the state. In this context we would like to draw attention of the Commission to Section 86 (3) of the electricity Act, 2003 which stipulates that “The State Commission shall ensure transparency while exercising its powers and discharging its functions.”

Replies of Licensees :

No response

Commission’s View:

The Discoms have come up with proposals on 30-05-2012 for enhancing the ceiling price for short-term power purchases from Rs.4.17 per unit to Rs.5.50 per unit, in order to book the NEW (North-East-West) corridor by 31-05-2012, to garnish the maximum power at lower rate, and to lessen the demand & supply gap to extent possible at lowest rates to cater the needs of various sectors. The Commission has examined the proposals thoroughly and found that there is an urgent need of booking the corridor in view of the severe power shortage existing in the State, technical constraints prevailing in the southern grid in procuring the short term purchase, market price prevailing in the southern region and the ceiling price approved in the previous years. After considering all the above factors, the Commission has determined the maximum ceiling price of Rs.5.50 per unit duly enhancing from Rs.4.17/kWh on the average (with Rs.2.65/kWh during off peak and Rs.4.50/kWh during peak) as fixed in the Tariff Order for 2012-13.

Issue 9:

20. Raise in Agriculture Consumption:

Sri. R.K. Agarwal, Smt. P. Vydehi & Others have stated that, it can be observed from the data submitted that, in Q4, 2012-13, there have been considerable deviations of the actuals claimed by the Petitioner than the numbers approved in the Tariff Order 2012-13. For example, agricultural sales’ share in total sales has been 34.4% as compared to 27.4% approved in T.O 2012-13. This implies that a portion of power consumed by non-agricultural consumers has been diverted to meet the needs of agricultural

sector. This makes it pertinent that the share of agriculture in FSA claimed by Petitioners has also increased. The Regulation 1 of 2003 provides that agricultural sales would be excluded for the computation of FSA. This has made it inevitable that the share of agricultural FSA would be borne by the non-agricultural consumers, thus increasing their burden still further. The Objector is of the view that it is not prudent for the Hon'ble Commission to pass on the burden of agricultural FSA on to the non-agricultural consumers.

Replies of Licensees :

No response

Commission's View:

Monthly agriculture consumption claimed by DISCOMs for the purpose of FSA, is limited to Tariff Order quantity. By doing so, Commission is ensuring that, excess consumption on account of agriculture, if any, than the quantum specified in the relevant months of the Tariff Order, is not loaded to the admissible FSA.

Issue: 10

21. Fixed Costs of APGENCO Plants:

Sri. Suresh Kumar Singhal, Smt. P. Vydehi & Others have contended that, three plants KTPS - Stations A, B and C have achieved PLFs of less than 80% in the month of February. The Regulation provides that the fixed costs shall be reduced pro-rata based on the availability factor of the generation stations. Therefore, fixed costs that are being claimed by the Petitioner for the identified stations have to be reduced proportionately. This would reflect in a reduction of fixed charges by an amount of Rs.0.15 crores for the month of February. The Generation Regulation 2008, **Clause 11.1.1** and **Clause 11.2.1** provide norms for full recovery of annual fixed costs of thermal and hydro power stations respectively. The Regulations states that the recovery of such costs is dependent on the availability factor of the generation plants. The attainment of the target availability factors would qualify the power plants to recover full fixed costs, failing which would result in pro-rata recovery based on the achieved availability factor.

Replies of Licensees:

All the payments are provisional to APGENCO till the final fixed cost is approved by Hon'ble Commission and any increase/decrease will be considered in the next filing.

The fixation of Tariff is based on the regulation and Hon'ble APERC will determine the tariff for APGENCO. The DISCOMs have recognized claims as per the approval of APERC in the tariff order 2012-13.

The details of fixed cost and claims of APGENCO are annexed. Further, the claims like Income Tax and incentives will be firmed up at the end of the financial year which falls in the 4th quarter.

Commission's View:

Regarding payment of annual fixed charges, annual cumulative availability of station will be considered and it will be finalized after completion of year. The DISCOMs are directed to true up the same at the earliest for KTPS A,B,C Stations specially and also for other stations. Presently, all the payments which are made to APGENCO during the 4th Quarter of FY 2012-13, are provisional only as per the amounts provided in the Retail Supply Tariff Order for FY 2012-13. Till the final fixed costs are determined and approved by the Commission in OP No. 15 of 2009 (Commission has decided to conduct a public hearing on 23-07-2013, on this matter. Necessary public notice has already been issued in this regard), the amounts would be paid on provisional basis. Any variation, which arises after final determination of Tariffs of APGENCO, the same will be adjusted accordingly.

Issue: 11**22. Variable Cost:**

Sri. R.K. Agarwal & Others have contended that, there is a considerable difference in variable costs vis-a-vis power despatched from stations such as VTPS stations - I, II and III. It can be observed that in January, despite of a reduction in the quantum of power despatched from these stations, there

has been an increase in their variable costs, reasons of which could be procurement of expensive fuel, increase in quantum of fuel consumed, etc.

Replies of Licensees:

The variable cost is increased due procurement of imported coal, procurement of additional coal by paying premium price and normal inflationary effect on the coal, use of RLNG and increase in foreign exchange rate over period. Further APGENCO station like RTPP is located far off from the coal mines and the huge amount of transportation is incurred.

The variance in cost of gas is due to even domestic gas price is reimbursed to IPPs based on the dollar rate converted into rupee rate.

Commission's View:

The variation in variable cost for thermal stations like VTPS is due to usage of imported coal, procuring the premium coal to meet the short fall of linked coal. Further there will be additional cost for VTPS stations as compared to RTPP as VTPS is located far-off from coal mines and huge amount of transportation is incurred.

Issue 12:

23. Inclusion of Agriculture Consumption in the calculation:

Sri. Suresh Kumar Singhal, Smt. P.Vydehi & Others have requested to include agricultural sales, which include metered as well as unmetered sales, in the denominator of the formula of the Regulation 1 of 2003 and to insist the Discoms to complete the process of installation of meters for the agricultural sector at the earliest and make a prudent decision of including agricultural sales for the computation of FSA charged per unit to avoid passing of the burden inappropriately on to the non-agricultural consumers.

Replies of Licensees:

Hon'ble APERC in the past FSA approval has allowed only to the extent of actual agriculture consumption or APERC approved quantity whichever less. The concern of the objectors is already addressed by Hon'ble APERC.

Commission's View:

During the public hearings, majority of the representatives/learned counsels of the industrial consumers and others 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 2012-13, are also given below. These observations of the Commission, in the Tariff Order for FY 2012-13, 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-30: The Commission notes with concern that the Licensees' efforts regarding estimation of agricultural consumption by un-metered agricultural services are rather tardy and there is a need to expedite the process. The Commission directs that; *"The Licensees shall estimate the consumption based on the Commission approved new methodology and incorporate the results in detail in next Tariff filings without fail.*

Para-34: The sales forecast to LT-V: Agricultural consumer category made by DISCOMs is mostly based on DTR meter reading data and not based on Commission approved methodology for estimating sales. This issue has been analysed in detail in the Tariff Order issued for FY 2011-12. The estimates made by the Licensees are not based on actual metering. In these circumstances, the Commission is unable to accept the sales volumes as projected by the Licensees. Even during public hearings, many participants suggested that the sales volumes should be determined by the Commission at levels much lower than those projected by the Licensees. Taking all the above factors into account, the Commission has decided to approve the sales volume level by increasing the corresponding figures of FY 2011-12 tariff order by 10 percent

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 of the FSA rate calculation, as envisaged in the formula for computation of FSA, prescribed in 45-B of the Business Regulations.

Issue: 13

24. Adjustment of R&C Penalties against the FSA claims

Sri. R.K. Agarwal, Sri. Suresh Kumar Singhal, Smt. P. Vydehi & Others have prayed that, the Hon'ble Commission to adjust the penalties of approximately Rs.300 crores, collected from industrial consumer during the R&C period, to the total FSA claimed. Since the exact amount of penalty

claimed is unavailable, the Objector prays the Hon'ble Commission to direct the Petitioners to disclose the details.

Replies of Licensees:

Hon, APERC is requested to approve FSA for the 4th quarter based on the existing regulation only. The adjustment of penalties is not envisaged in the regulation.

Commission's View:

Commission considers that income accrued on account of levy of R&C penalties is not a regular income to cover the approved ARR of the Distribution Licensees. The issue of adjustment of income from R&C penalties would be dealt with appropriately, while examining the true up proposals of DISCOMs for Retail Supply Activity during 2nd control period (2009-14), as per the Regulation.

Issue 14:

25. WP filed in Hon'ble High Court to declare FSA formula as void:

M/s Rocks & Minerals Pvt Ltd, Sri. Challa Gunaranjan and Others have brought to the notice of the Commission that, certain consumers had filed Writ Petition before the Hon'ble High Court of AP to issue an appropriate order for declaring the Fuel Surcharge Adjustment Formula specified in Clause 45-B as void and since, the above Writ Petition is pending for adjudication before the Honorable High Court as such, it is just and necessary to adjourn the proceedings till the disposal of the above Writ Petition.

Replies of Licensees:

There is no provision of law warranting to adjourn the approval or otherwise of FSA until final adjudication on the issue of validity or otherwise of the Regulation 45-B pending in the High Court.

Commission's View:

Commission agrees with the replies of Discoms.

Issue: 15

26. FSA levied is unbearable:

Sri. Payyavula Keshav, Sri. Sesa Saibaba & others have stated that, FSA has been levied on the consumers since, 2008 and such FSA levies for different periods simultaneously are becoming heavy burden on the common consumers.

Replies of Licensees:

FSA is being levied in accordance with the Regulation issued by the Hon'ble Commission.

Commission's View:

Commission is of the view that there is no alternative except to recovering the two different quarters FSA amounts simultaneously as this is the cost already incurred by DISCOMs.

The FSA rate for 4th quarter of FY 2012-13 is being determined by the Commission as per FSA regulation in force.

Issue: 16

27. Reject RLNG purchase exceeding Ceiling Price:

Sri. B.V. Raghavulu, Sri. M. Venugopal Rao & Others have stated that, for the year 2012-13, the Commission had not permitted the Discoms to purchase power generated by using RLNG. Therefore, they request the Commission to reject the request of the Discoms to allow purchase of power generated by using RLNG exceeding the ceiling price fixed by it for the purpose of FSA.

Replies of Licensees:

AP Discoms are paying fixed cost to IPPs. Due to corridor constraints, the short term energy purchase from outside is limited. To meet the power demand, at least to the extent possible to reduce the gap, RLNG was procured as an alternative source.

Commission's View:

The Commission has not approved the usage of RLNG gas in either Tariff order for FY 2012-13 or at the later stage during the year.

Issue 17:**28. Deficiencies in FSA Formula:**

Sri. M. Venugopal Rao, Sri. B.V. Ragahavulu, have pointed out that the deficiencies in the methodology of FSA being adopted by the Commission and requested it to rectify the same by holding public hearing. Despite the Commission's repeated claims that it is in the process of taking a holistic look in the entire methodology of levy of FSA in order to bring about a suitable structural mechanism of FSA, it has not come forward to make specific proposals in that direction and hold public hearing. In its order dated 23.4.2013 on the FSA claims of the Discoms for the 3rd quarter of 2012-13, the Commission has again repeated casually that "the matter is in the active consideration of the Commission." Though the Commission has proposed to amend some of its regulations and hold public hearings on the same, FSA does not figure among them. Therefore, I once again request the Commission to come forward with its proposals relating to FSA and hold public hearing forthwith.

Replies of Licensees:

No response.

Commission's View:

This has been considered by the Commission and the Commission has issued Andhra Pradesh Electricity Regulatory Commission (Conduct of Business) Third Amendment Regulation, 2013, regarding deletion of FSA Formula, with effect from 1st April 2013, i.e. is to be effective from 1st Quarter of FY 2013-14. Commission has published the draft Regulation in this regard and conducted the public hearing on the matter on the same day i.e. the date in which public hearing was held on FSA proposals of APDSICOMs for 4th Quarter

of FY 2012-13, i.e. on dated 12-06-2013. The repealed regulation is notified and published through A.P Gazette notification dated 24.06.2013.

Issue 18:

29. Petitioner has no Locus Standi to file proposals:

The Petitioners have filed a Writ Petition in WP No. 22086 of 2012 before the Hon'ble High Court of Andhra Pradesh challenging the validity of the Condition No.4 of Clause 45-B of Regulation 2 of 1999. This being the case, the Petitioners have no authority to file the FSA Claims as the Petitioner cannot be allowed to blow hot and cold by simultaneously challenging the very Regulations enabling them to file the FSA Claims and on the other hand filing the Claims before this Hon'ble Commission.

Replies of Licensees:

No response.

Commission's View:

Since there is no stay is granted on the WP filed by certain objectors, concerning the FSA Formula, Commission is of the opinion that there is no warrant to adjourn the present proceedings.

Issue 19:

30. Regulations containing the FSA are *non est*:

Sri. M.R.Prasad, Secretary General, AP FERRO ALLOYS PRODUCERS ASSOCIATION, has argued that, fundamental edifice and enabling provision for filing of the Fuel Surcharge Adjustment Claims (the "Claims") by the Petitioners is Regulation 45-B of the Andhra Pradesh Electricity Regulatory Commission (Conduct of Business) Regulation 2 of 1999 (the "CBR"), brought into the CBR vide Andhra Pradesh Electricity Regulatory Commission (Conduct of Business) Amendment Regulation 1 of 2003 ("CBR 2003") published in the Gazette of Andhra Pradesh dated 17th July, 2003.

This Hon'ble Commission, after its constitution under the Andhra Pradesh Electricity Reform Act, 1998 ("APR Act"), and in exercise of its regulation making power under Section 54, issued the CBR, inter alia, providing for the

manner in which it would conduct its business generally, including the manner in which, it would consult and hear persons likely to be affected by its decisions, as mandated by Section 10(7) of the APR Act. Thereafter, on 28th August, 2000, this Hon'ble Commission, made amendment to the Business Regulations, by issuing A.P. Electricity Regulatory Commission (Conduct of Business) Amendment Regulations, 2000 (Regulation No. 8/2000), introducing inter alia Regulation 45-B in Chapter IV-A with respect to tariffs and providing for a FSA formula. Thereafter, again on 23rd June, 2003, this Hon'ble Commission issued the CBR, 2003, whereby substituting Fuel Surcharge Adjustment formula contained in Regulation 45-B.

Consequent to the coming into force of the Electricity Act, 2003, (the Act), the Hon'ble Commission on 10th June, 2004, issued the A.P. Electricity Regulatory Commission (Transitory Provisions for Determination of Tariff) Regulation, 2004 (Regulation No. 9/2004) ("**2004 Regulations**"), whereby the existing Regulations notified by the Commission, including the CBR, as amended from time to time, made under the provisions of the APR Act were to continue to apply as Regulations under the Act.

Thereafter, the MoP, in exercise of powers conferred by sub-section (1) and clause (z) of sub-section (2) of section 176 of the Act notified the Electricity (Procedure for Previous Publication) Rules, 2005 (the "**PP Rules**").

Pursuant thereto, on 08th June, 2005, the Union of India, Ministry of Power (the "MoP") made Electricity [Removal of Difficulties] (Ninth) Order, 2005 (the "RoD Order") the RoD Order inter alia provided thus:

"Regulations made by the State Commissions, before the commencement of this order, without meeting the requirement of the previous publication under sub-section (3) of section 181 of the Act shall again be published as draft regulations for the information of persons likely to be affected thereby for inviting the objections or suggestions following the procedure prescribed under the Electricity (Procedure for Previous Publication) Rules 2005, and shall be finalised after considering such objections or suggestions received

It is pertinent to state that the RoD Order was passed specifically under the then prevailing circumstances where the Regulations made under the previous legislation did not contain previous publication norms, and more particularly, the State Commission were making transitory regulations such as the 2004 Regulations, giving deeming effect to the erstwhile regulations as though these regulations were under specified under the Act. Hence, the RoD Order specifically mandated that the Regulations made by the State Commissions, before the commencement of this order, without meeting the requirement of the previous publication under sub-section (3) of section 181 of the Act shall again be published as draft regulations for the information of persons likely to be affected thereby.

This Hon'ble Commission has fixed the Fuel Surcharge Adjustment under Regulation 45-B of the CBR 2003. Regulation 45-B of the Business Regulations, prescribes a formula for determination of FSA. The data for the Petition of the formula is based upon the information forwarded by the licensees. The Commission shall make the determination as per the formula, 'unless otherwise agreed by the Commission'. In addition to the formula, Regulation 45-B imposes certain conditions.

However, the CBR 2003 is a regulation made before the RoD Order and after the coming into force of the RoD, the CBR 2003 ought to have been published as draft regulations, as required under the RoD Order. This was not done admittedly. Therefore, CBR 2003 is *ultra vires* the Act, PP Rules and particularly, the RoD Order.

Therefore, no aspect contained in the CBR 2003 much less the FSA formulation contained can be relied upon by the Petitioners to file the present FSA Claims.

Moreover, the Hon'ble Appellate Tribunal for Electricity in its *Suo Motu Order* passed in O.P. 1 of 2011 has held thus:

“64. We also notice that most of the State Commissions have not provided in their Regulations Fuel & Power Purchase Cost Adjustment Formula for allowing the increase in fuel and power purchase cost during the tariff year. The fuel and power purchase cost adjustment mechanism provided in most of the states is after completion of the financial year through a separate proceeding which takes a long time. The power purchase cost is a major expenditure in the ARR of the distribution licensee. The fuel and power purchase cost is also uncontrollable and it has to be allowed as quickly as possible according to the Tariff Policy. The Electricity Act, 2003 under Section 62(4) has specific provision for amendment of the tariff more frequently than once in any financial year in terms of Fuel Surcharge Formula specified by the Regulations. A major part of power procured by the distribution company comes from the Central Sector Generating Companies whose tariff is regulated by the Central Commission and the State owned Generation Companies whose tariff is regulated by the State Commissions. The Central Commission in its Tariff Regulations has already provided a formula for fuel price adjustment and the charges of the generation companies are increased as and when the fuel prices are increased. In view of the present precarious financial conditions of the distribution companies, it would be necessary that the State Commissions also to provide for Power Purchase Cost Adjustment Formula as intended in the section 62(4) of the Act to compensate the distribution companies for the increase in cost of power procurement during the financial year. In the above situation, as indicated above it has become necessary for this Tribunal to give appropriate directions, to correct this situation by invoking the powers under Section 121 of the Act which is permissible under law.”

65 (vi) “...Every State Commission must have in place a mechanism for Fuel and Power Purchase cost in terms of Section 62 (4) of the Act. The Fuel and Power Purchase cost adjustment should preferably be on monthly basis on the lines of the Central Commission’s Regulations for the generating companies but in no case exceeding a quarter. Any State Commission which does not already have such formula/mechanism in place must within 6

months of the date of this order must put in place such formula/ mechanism.”

At any rate, the claims of the Petitioners spring and derive force from 45 -B of the CBR 2003. When the CBR 2003 is not in conformity with the Act and Rules made there under, the Petitions in the present form, under the present provisions are not sustainable.

Looking at this from another perspective, if this Hon’ble Commission desired to keep the CBR 2003 in force, after the RoD Order, this Hon’ble Commission would have published the draft thereby. Having not done so, the Commission, consciously elected not to keep the CBR 2003 in force. Hence, by Hon’ble Commission’s own action, the CBR 2003 have lost force of law and are not rendered *non est* in law. Hence, CBR 2003, as claimed by the Petitioners cannot be the basis for the FSA claims.

Further, it is submitted that the 62 (4) Act specifically provides thus:

“No tariff or part of any tariff may ordinarily be amended, more frequently than once in any financial year, except in respect of any changes expressly permitted under the terms of any fuel surcharge formula as may be specified.”

The term “*specified*” is defined under sub section 62 of section 62 of the Act to mean,

“Specified by the Regulations made by the Appropriate Commission or the Authority, as the case may be, under this Act;

This contemplates that the FSA has to be specified by the way of formula and such formula has to be specified by the way of Regulations by the Hon’ble Commission. Therefore, the FSA cannot be determined without there being any Regulation. Admittedly, there is no Regulation in force specifying the FSA formula.

Replies of Licensees:

As per the power endowed by the Electricity Act, 2003, The Hon'ble APERC has power to make rules and regulation for the conduct of Business.

The DISCOMs submitted that the objections are misconceived the effect of Section 181, Clause (3) of Electricity Act, 2003 and the ROD dt. 09.06.2005. The objector has wrongly assumed that the regulations i.e. CBR together with amendment made in the year 2000 and 2003 have been passed under the Electricity Act 2003. The Section 181 Clause (3) says that all regulations made by the State Commission **under this Act** shall be subjected to the conditions of previous publications. As a matter of fact, the CBR 1999 together with said amendment have been passed under the AP Electricity Reforms Act which was in-force at that time. Further, Section 185 (3) saved the said Reforms Act. That a part, the CBR 1999 together with said amendment was issued with prior publication of drafts inviting objections. Therefore, the objections raised in this regard are factually incorrect, evidently false and legally unsustainable. Therefore, the FSA regulations are very much backed by statutory force.

The directions issued at Para No.65 of the OP No.1 of 2011 on the file of Appellate Tribunal, primarily focused on the aspect that every State Commission must have in place a mechanism for fuel and power purchase cost in terms of Section 62(4) of the Act. In our case, we have a mechanism evolved through the amendment of CBR made in the year 2000 and 2003. The said regulations were made to achieve the object of Section 62 Clause (4) which is corresponding to Section 26 of AP Electricity Reforms Act, 1998. The mechanism / formula brought out through the aforesaid regulation. Therefore, the said mechanism / formula provided in Clause 45-B of CBR has sufficient statutory force.

In fact the order passed in O.P. No. 1 of 2011 supports the case of Discoms on the aspect that even assuming without admitting that the allegation of no authorization is considered in favor of respondents as mandated by the Appellate Tribunal which is in consonance with clause 12.4 of APERC

Regulation 4 of 2005 where at the Hon'ble Commission is obligated to issue Suo Moto proceedings even in the event of Discoms fails to submit such filings.

Further in clause 12.4 of the said regulation the Hon'ble Commissions obligated to recover or shall refund as the case may be the charges on account of FSA as approved by the Commission from time to time. Indisputably, by operation of law the FSA formula provided at clause 45-B of CBR has been approved by the Hon'ble Commission. Therefore the mechanism applied by the Discom has been adopted by the Commission in the preceding quarters is absolutely in accordance with law.

Commission's Views:

Commission issued the subject Amendment Regulation 1 of 2003 to APERC Regulation No 2 of 1999 (Conduct of Business), exercising its powers conferred on it by Sec 54-9 (2) of Andhra Pradesh Electricity Reforms Act 1998 and other applicable provisions of the said Act and all powers enabling it in that behalf. It is to be noted that the subject Amendment Regulation was published in the AP Gazette on 17th of July 2003. It was clearly mentioned in the regulation that the provisions of the regulation deemed to have come into force w.e.f. 01-04-2003.

By virtue of Sec 185 (3) of the Electricity Act, (which states that 'the provisions of the enactments specified in the schedule, not inconsistent with the provisions of this Act, shall apply to the states in which such enactments are applicable'), the subject Amendment Regulation issued by APERC is saved.

Apart from the above, in the ARR/Tariff proposals filed before the Commission, for FY 2003-04, Licensees submitted proposals in this regard too and the proposals of the Licensees, along with the modifications suggested by the Commission's Staff were also made public during the public hearings held in different parts of the state, in connection with the tariff proposals of the Licensees. All these aspects were discussed in detail

under 'Fuel Surcharge Adjustment Formula' vide Para-181 to Para-190 of the Retail Supply Tariff Order issued by APERC for FY 2003-04.

The present Regulation meets the requirement of section.62 (4) of Electricity Act,2003 and it also fulfills the orders passed (Determination of FSA quarterly and *mechanism provided for adjustment of Fuel and Power Purchase cost in terms of Section 62 (4) of the Act*).by the Hon'ble Appellate Tribunal for Electricity in its **Suo Motu in O.P.1 of 2011**

In view of the all the aspects discussed in the paras above, Commission is of the view that the submissions of the Objectors that the Amendment Regulation issued by the Commission in the year 2003 is non-est, is not sustainable.

Issue 20:

31. Allowing of UI charges:

Sri. V.V. Prasad, Executive Director, Vimta Labs Limited, Sri. Challa Gunaranjan, Advocate, Sri. D.V.A.S. Ravi Prasad, Advocate and others objected on filing of UI charges in the FSA filing.

Replies of Licensees:

The UI cost is filed in FSA of 4th quarter as this power procured permitting the total demand.

Commission's Views:

The Commission is of the view that the UI charges are not part of the Power purchase cost allowed in the Tariff Order hence the same is being disallowed.

Issue 21:

32. Certain discrepancies pointed out:

Sri. Payyavula Keshav pointed out that the CMDs of DISCOMs are not attending to Public hearings. They must respect ERCs and also stated that the orders of ERC is not implemented penal should be imposed. While determining FSA rural area must be taken into consideration since many hours in a day no supply to rural area.

Replies of Licensees:

No response.

Commission's Views:

The Commission is of the view that the CMDs shall attend the Public hearings. If the CMDs of DISCOMs are not able to attend, the senior officials of the rank of Director, who are conversant with the subject and shall attend the hearing.

The FSA is being determined based on the Regulation in force.

Issue 22:

33. Review on FSA order of 1st quarter of FY 2012-13

Sri. K. Raghu, Energy Auditor has pointed out that the Commission has disallowed certain amount pertains to claims of thermal stations of APGENCO in the second and third quarters of FY 2012-13 for excess claiming of quantity of coal with respect to GCV. The similar application is to be made to first quarter and recover the amount paid to APGENCO and revise FSA order accordingly.

Replies of Licensees:

No response

Commission's Views:

While determining the FSA for first quarter for FY 2012-13 the Commission has prudently checked the claims of APGENCO submitted by DISCOMs. Recover of amount does not arise.

CHAPTER - III

METHODOLOGY OF FSA COMPUTATIONS

34. Views of Objectors

Sri M. Venu Gopala Rao and others have raised the following objection i.e. on the methodology of computing the FSA.

It is amazing that all Discoms have made the same quantum of FSA claims, irrespective of their load patterns, consumer mix etc. They have pointed out that why there is common FSA among DISCOMs and uniform FSA among the categories.

The main tariff order itself deals with the requirement of each Discom separately in terms of power purchase requirement and costs. There ought not to be any difficulty in providing separate and complete information by each Discom with respect to each other.

The claim of an individual DISCOM for a FSA rate determined on the basis of all DISCOMs taken together is illegal and contrary to the Regulation and law.

Replies of Licensees:

No Response from DISCOMs.

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 2012-13, 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.

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:

$$F_i = \frac{(P_i \times E_i + FC_i + Z + A_i)}{Q_i}$$

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) While scrutinizing the bills of APGENCO Thermal Stations, the Commission found, that the quantities of imported and domestic coal physically used for arriving at the weighted average rate in each month, are differing from the quantities of coal claimed (imported & Domestic) in the bills which were relied for arriving at the No. of kWh units generated, with the combined GCV and its cost.

The Commission has allowed only the consumption of coal (domestic & imported) on actual basis in arriving at the No. of kWh units generated and by duly taking the combined GCV as against GCV's taken on random basis by APGENCO.

The Discoms have submitted the invoices, as audited and authenticated by the internal auditors, relating to variable costs of other generating stations paid on the basis of actual energy supplied. These claims have been admitted by the Commission.

- 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 claims pertain to STOA charges. SLDC charges, RLDC charges and POSOCO charges were not covered under power purchase cost as per the Tariff Order. Hence the same 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 4th quarter of FY 2012-13 (including concerned RESCOs sales) have been scrutinized. While arriving the Discom-wise, month-wise, voltage-wise sales, the LT agriculture sales are limited to agricultural sales quantity indicated in the tariff order. 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 and (vi) Market purchases (short term purchases and purchases through power exchanges).

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 rate prescribed in the Tariff Order and subsequently amended rate for the months of January, February and March 2013, 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 ($P_i \times E_i$) the difference (i.e. P_i , in the FSA formula as per clause 45(B) of Business Regulation) in the weighted average actual variable cost so arrived as per merit order and weighted average variable cost as per Tariff order with quantity of energy purchased and allowed by Commission after scrutiny (i.e. E_i , in the FSA formula as per clause 45(B) of Business Regulation).
- k) The Discoms have submitted the station wise actual fixed costs in monthly statements. The Discoms have shown STOA charges, SLDC charges, RLDC charges and POSOCO charges as under fixed charges/prior period expenditure. 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 FCi (i.e. FCi, 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 prior period expenditure bills pertain to Central Generating Stations claimed by NTPC are verified with reference to the orders of CERC Regulations. The Discoms have claimed the APGenco hydel stations advance Income tax of 1st and 2nd quarters which is due. These bills have been scrutinized by the Commission and allowed except STOA charges, RLDC and POSOCO charges. 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). The net amount allowed under item Z in FSA formula is Rs.118.37 crores for the entire quarter.
- o) To arrive the FSA claim amount quarter-wise, month-wise values ($P_i \times E_i$), FCi and Z are summed up.
- p) The 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 eligible units of respective quarter.

- r) The Discom-wise quarterly FSA amount is arrived multiplying with quarterly eligible units of Discom with FSA rate.
- s) The DISCOMs did not clarify on sales quantity and power purchase quantity filed by them in spite of repeated opportunities provided. The disallowance on account of this is Rs.405.93 crores.
- t) The other dis-allowances for the reasons stated are as under

Rs. Crores

(i) APGENCO stations Thermal stations variable cost, as indicated in para No-12 & 34(b).	139.00
(ii) Central Generating Thermal stations variable cost, as indicated in para No-12.	41.01
(iii) STOA, SLDC, RLDC and POSOCO charges, as indicated in para No-18, 34(c) & 34(k).	9.64

CHAPTER - IV

DETERMINATION OF FSA

(for Fourth Quarter of FY 2012-13)

(January 2013 to March 2013)

35. <u>Difference in the Weighted Average Variable Cost. (Pi)</u>	Rs. / Unit
<u>DISCOMs Claim:</u>	
Weighted Average Variable Cost of energy from all sources for Quarter -IV as claimed by DISCOMs' in FSA claims (Annexure AI):	2.69
<ul style="list-style-type: none"> ▪ <i>(DISCOMs' claim is based on actual cost of energy purchased from other sources, to supplement any short-fall in the generation from the approved stations in Merit Order list specified in the Tariff Order.</i> ▪ <i>DISCOMs' have claimed UI charges pertaining to Simhadri units of NTPC and SRPC (Southern Region Power committee).</i> 	
Weighted Average Variable Cost of energy from all sources for Quarter-IV (as per T.O. 2012-13)	2.19
Pi - Difference in the Weighted Average Variable Cost (Rs/kWh) claimed by the DISCOMs as a variation with respect to Tariff Order. (Annexure AI)	0.4952
<u>Commission's Scrutiny</u>	
Weighted average Variable Cost of energy from all sources for Quarter-IV as specified in Tariff Order (Rs/kWh): (Annx-G(VI) Pg- 247, T.O. 2012-13) The following points have been taken into consideration while scrutinizing the claim of DISCOMs	2.19
<ul style="list-style-type: none"> ▪ The monthly sales (Agrl. sales were restricted to relevant monthly quantities, indicated in Tariff Order) are grossed-up with voltage-wise loss percentage levels as specified in Tariff Order has been taken for the purpose of the calculation of purchase quantity. 	

- High cost power purchased from other sources if any, to supplement any short-fall in the approved stations, has been limited to a maximum ceiling price of Rs.5.50/kwh as subsequently amended the ceiling price from Rs.4.17/kWh to Rs.5.50/kWh for all short-term purchases made during the 4th Quarter of FY 2012-13.
- The UI charge claims of pertaining to NTPC Simhadri and SRPC were disallowed fully.
- The actual quantities of imported and domestic coal physically used for arriving at weighted average rate in each month is differing with quantities of coal (Imported & domestic) claimed those reflected in arriving at number of kWh units generated, Combined GCV and its cost.

The Weighted Average Variable Cost of Energy (Rs/kWh) determined by the Commission after scrutiny is as follows:

Merit Order Month	Jan-13	Feb-13	Mar-13	Total
Actual Variable cost spent Rs.Crs - (1)	1535.90	1596.70	1676.45	4809.04
Purchased units MU (FSA Purpose)- (2)	6487.95	6260.11	6959.05	19707.11
Wgt Avg Variable CPU (Rs/kWh) - 3=(1*10/2)				2.44

2.44



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)

0.2511

(The Pi. allowed by the Commission is lesser by **24.41 paise/kWh** than the claim made by DISCOMs)

36. Actual Energy Purchase (MU). (Ei)

DISCOMs' Claim:

Actual Energy Purchase (MU) quantity claimed by the DISCOMs for the purpose of FSA. (Annexure A-I)

20,724.63

- Actual energy purchase by the DISCOMs for the quarter is 20,724.63 MU, DISCOMs have claimed for the same.

Commission’s Scrutiny:

Authorized Energy Purchase (MU) as specified in the T.O. (Annexure - D (III) of T.O, page 247) 24,059.55

The Commission after taking into account the required energy purchase based on actual sales to metered categories has limited the Quantum of sales for Agricultural to Tariff Order quantity and the voltage wise losses specified in T.O, and determined the Actual Energy Purchase (Ei) (Annexure A-I) as: 19707.11

Merit Order Month	Jan-13	Feb-13	Mar-13	Total
Purchased units (FSA Purpose)	6487.95	6260.11	6959.05	19707.11

37. Variation in Variable Cost: (Rs Crs) - (Pi X Ei) (Rs. Crs)

DISCOMs’ Claim:

Variation in the Variable Cost :- $(0.4952 * 20724.63) / 10$ 1031.46

Commission’s Scrutiny:

The Commission determined the variation in the Variable Cost as follows: 494.87

$(0.2511 * 19707.11) / 10$

(As a result of the Commission scrutiny the variation in variable cost is reduced by an amount of Rs 536.59Crs.)

38. Difference in actual Fixed Charges (Rs Crs) (FCi) (Rs. Crs)

DISCOMs’ Claim:

Fixed cost specified in the T.O. (Rs.Crs) 2128.72

Actual Fixed Cost claimed by the DISCOMs as paid in the quarter-4 for FSA 2173.03

claim purpose (Annexure A-I)

- DISCOMs claimed STOA charges also as part of fixed charges.
- DISCOMs allowed/claimed excess fixed charges.

Difference in the actual fixed charges as compared to the figure for fixed charges as specified in the T.O. & Annexure A I **44.31**

Commission's Scrutiny:

Fixed Cost Payment for the quarter as specified in T.O. (Derived from Tables 19, Pg-45 of T. O. 2012-13) is : **2128.72**

Fixed cost determined by the Commission after scrutiny based on the following criteria: **2057.60**

- *The claims pertaining to STOA charges and SLDC charges were disallowed since these charges are not part of power purchase cost as per the Tariff Order.*

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).

-71.12

Merit Order Month	Jan-13	Feb-13	Mar-13	Total
Actual Fixed charges paid - (1)	670.62	626.83	760.14	2057.60
Fixed Cost as per TO (Rs Crs))- (2)	709.57	709.57	709.57	2128.72
Fci - Diffn in Fixed Cost (Rs. Crs) - 3=(1-2)	-38.95	-82.74	50.57	-71.12

- The scrutiny of the Commission has resulted in reduction in fixed charges to the tune of **Rs.115.44 crs)** over the DISCOMs claims.

39. Prior Period Expenditure (Rs Crs) (Zi)

DISCOMs' Claim:

Prior Period Expenditure for the quarter as claimed by DISCOMs. 61.92
(Annexure A-I)

- *DISCOMs have claimed prior period expenditure on the basis of bills actual received in respect of various generating stations.*
- *DISCOMs have preferred in their claims the charges pertains to RLDC charges and POSOCO charges.*

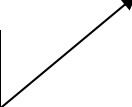
Commission's Scrutiny:

Prior Period Expenditure (Zi) determined by the Commission after scrutiny based on the following criteria:

- *The claims pertaining to RLDC charges and POSOCO charges were disallowed by commission as they do not form part of the power purchase charges arrived at as detailed in the Tariff Order.*
- *The claims of Discoms pertains to prior period expenditure have be prudently checked verifying with the orders of CERC and APERC.*

Merit Order Month	Jan-13	Feb-13	Mar-13	Total
Z - Prior Period cost (Rs. Crs)	-4.27	0.00	122.64	118.37

118.37



(The scrutiny of the Commission has resulted in increase of Prior Period Expenditure, by an amount of Rs.56.45 Crs which is attributable to APGENCO Advance I.Tax amount)

40. Adjustments for Merit Order Violations (Rs Crs) (Ai)

The DISCOMs have not claimed any adjustments on this item.

The Commission has accepted the stand of the DISCOMs. 0

Hence Ai is determined as

41. 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	(0.2489 * 19885.86) / 10	494.87
FCi		-71.12
Zi		118.37
Ai		---
FSA amount	(Pi X Ei / 10 + FCi + Zi + Ai) (494.87 - 71.12 + 118.37 + 0)	542.12 Crs

(The FSA amount claimed by the DISCOMs is Rs. 1137.70 Crs)

42. <u>FSA eligible Sale Units (Qi)</u>	(MU)
DISCOMs' Claim:	11077.21
FSA eligible units as claimed by the DISCOMs	
<i>Claim of the DISCOMs includes consumption towards HT IV -Private Lift Irrigation Schemes also.</i>	
Commission's Scrutiny:	14760.05
FSA eligible units as specified in Tariff Order: (Annexure H (i) of T.O. 2012-13)	
FSA eligible units determined by the Commission after considering HT Agriculture sales also (as it is a meter recorded energy) and shown as (Annexure -A1):	11031.54
43. <u>FSA Rate (Fi)</u>	
<u>FSA amount * 1000 / Qi</u>	(Paise / kWh)
FSA Rate for the Fourth Quarter of FY 2012-13 as per the above determination of the Commission comes to	49.14
(542.12 * 1000 / 11031.54)	

(The per unit FSA claim of the DISCOMs is paise 102.71/ kWh)

44) Discom-wise Fuel Surcharge Adjustment amount as claimed and the FSA amount approved by Commission for 4th Quarter of 2012-13

APCPDCL (FY 2012-13)	DISCOM Claimed	APERC Approved
Description	Quarter - IV	
(1) FSA Rate: Paise / kWh	102.71	49.14
(2) FSA Eligible Units (MU)	5105.58	5105.58
(3) FSA Amount (Rs Crs) = (1*2 / 1000)	527.39	250.90

APEPDCL (FY 2012-13)	DISCOM Claimed	APERC Approved
Description	Quarter - IV	
(1) FSA Rate: Paise / kWh	102.71	49.14
(2) FSA Eligible Units (MU)	2186.45	2164.74
(3) FSA Amount (Rs Crs) = (1*2 / 1000)	223.36	106.38

APNPDCL (FY 2012-13)	DISCOM Claimed	APERC Approved
Description	Quarter - IV	
(1) FSA Rate: Paise / kWh	102.71	49.14
(2) FSA Eligible Units (MU)	1348.40	1332.50
(3) FSA Amount (Rs Crs) = (1*2 / 1000)	137.34	65.48

APSPDCL (FY 2012-13)	DISCOM Claimed	APERC Approved
Description	Quarter - IV	
(1) FSA Rate: Paise / kWh	102.71	49.14
(2) FSA Eligible Units (MU)	2436.78	2428.72
(3) FSA Amount (Rs Crs) = (1*2 / 1000)	249.61	119.35

45. The Distribution Licensees are directed to charge FSA on all consumers (except LT Agriculture) consumers for the fourth quarter of FY 2012-13 on monthly basis with effect from **October,2013** onwards over a period of 3 months as shown in the Table below.

Consumption Month to which FSA Pertains to	FSA Rate (Paise /kWh)	To be collected along with monthly bill of
January, 2013	49.14	October, 2013
February, 2013	49.14	November, 2013
March, 2013	49.14	December, 2013

This order is signed on 29-06-2013.

Sd/-
R.ASHOKA CHARI
MEMBER

Sd/-
C.R.SEKHAR REDDY
MEMBER & CHAIRMAN I/c

Annexure-B

List of Objectors

Sl.	Name & Address of the Objector
1	Sri R.K.Agarwal, Hon. Chairman, A.P.Spining Mills Association, 105, 1st Floor, Surya Towers, Sardar Patel Road, Secunderabad 500 003. Phone No.(040)27890041 Mobile No.9849028556 Fax No.(040)27846837 email:contact@apspin.com
2	Sri K.Narayana, Secretary, CPI-AP State Council, 3-6-201, Makhdoom Bhavan, Himayatnagar, Hyderabad 500 029. email:narayanacpi@gmail.com
3	Sri T.Harish Rao, M.L.A., Siddipet Constituency-33, Plot No.12, Vasantha Valley, Kondapur, Hyderabad. Phone Nos.(040)23114847 Fax Nos.(040)23115358 and (08457)222222
4	Comrade Janaki Ramulu, State Secretary, A.P.Committee, Revolutionary Socialist Party (RSP), 2-1-477, Prateek Towers, Opp. Post Office, Nallakunta, Hyderabad 500 044. Mobile Nos.9246509828, 9866719099 emails:rspap1940@gmail.com jupeliramulu@gmail.com
5	Smt. P.Vydehi, Secretary (I/c), FAPCCI, Federation House, FAPCCI Marg, Red Hills, Hyderabad 500 004.Phone Nos.(040)23395515 to 22 Fax No.(040)23395525 email:info@fapcci.in
6	Sri M.Thimma Reddy, Convenor, People's Monitoring Group on Electricity Regulation, 139, Kakatiya Nagar, Hyderabad 500 008.
7	M/s Salguti Industries Ltd., 8-2-334/18, 3rd Floor, Road No.3, Banjara Hills, Hyderabad 500 034.Phone Nos.(040)23545939, 23543580 Fax No.(040)23544909
8	Chairman, Pashamylaram Notified Gram Panchayat Industrial Area Service Society, APIIC Admn Building, Phase-I, IDA, Pashamylaram, Patancheru (M), Medak Dist.
9	M/s S.R.Drugs & Intermediates (P) Ltd., Plot No.24B/1, IDA, Phase-I, Patancheru, Medak Dist.
10	M/s Sri Chaitanya Chlorides Pvt. Ltd., Plot No.31&32, IDA, Phase-II, Pashamylaram, Patancheru (M), Medak Dist.
11	M/s Arene Life Sciences Ltd., Plot No.49, 50, 209, 210, IDA, Pashamylaram, Patancheru (M), Medak Dist.
12	M/s AVR Organics Pvt. Ltd., Sy. No.12&13, Yavapur (M), Sadasivapet (M), Medak Dist.
13	Sri N.S.Naidu, Gen. Manager (Admin & Corporate Compliance), M/s Vasant Chemicals Pvt. Ltd., 1-11-251/1B, 4th Floor, Vasant Towers, Behind Shoppers's Stop, Begumpet, Hyderabad 500 016.
14	Sri M.R.Prasad, Secretary General, A.P.Ferro Alloys Producers Association, Flat No.308, Nirmal Towers, Dwarakapuri Colony, Punjagutta, Hyderabad 500 082. Phone No.(040)23355336 Fax No.(040)23355337 email:apfapa@rediffmail.com
15	Sri Suresh Kumar Singhal, Chairman, M/s All India Induction Furnaces Association, South Central Region, 5-5-103 to 105/6, Meher Complex, 1st Floor, Ranigunj, Secunderabad 500 003. Phone No.(040)27714591 Fax No.(040)27714403
16	Sri Y.Narendra Babu, Joint Secretary, FPPSIA, Administrative Building, Industrial Estate, Sanathnagar, Hyderabad 500 018. Phone No.(040)23812525 Fax No.(040)23707461 email:fabsia@gmail.com

Sl.	Name & Address of the Objector
17	Sri R.V.Rao, Personnel Manager, M/s V.S.N.Hatcheries Pvt. Ltd., # 4-1667/2, Durga Nagar Colony, Greampet, Chittoor 517 002. Phone No.(08572)242299, 242678 Mobile No.8008552378 Fax No.(08572)240164 email:vsnhatcheries@yahoo.co.in
18	Sri R.V.Rao, Personnel Manager, M/s Balaji Hatcheries, # 4-1667/2, Durga Nagar Colony, Greampet, Chittoor 517 002. Phone Nos.(08572)242299, 242678 Mobile No.8008552378 Fax No.(08572)240164 email:balajihatcheries@yahoo.co.in
19	Sri A.G.V.V.N.Satyanarayana, Managing Director, M/s Akula Boards Ltd., 35-32-2, AB Bhavan, Tanuku, West Godavari Dist. 534 211. Phone Nos.(08819)226620/39/49 Fax No.(08819)223389 email:akula_boards@yahoo.com
20	Sri D.Ravindranath Reddy, General Manager (Finance & Accounts), M/s Nelcast Ltd.No.34, Industrial Area, Gudur, Nellore Dist.
21	Smt. P.Pavani, Proprietor, Hotel Pavani Residency, Gnt Road, Adjacent to District Court, Nellore 524 003.
22	Sri Karankot Naarendar, Finance Secretary, All India Forward Bloc, H.No.1-9-212/1B, Ramnagar, Hyderabad 500 020.
23	Sri Kona Dayanand, State Secretary, All India Forward Bloc, H.No.1-9-212/1B, Ramnagar, Hyderabad 500 020.
24	Sri Banda Surender Reddy, State Secretary, All India Forward Bloc, H.No.1-9-212/1B, Ramnagar, Hyderabad 500 020.
25	Sri J.Arun Kumar, State President, All India Progressive Students Union (PDSU), 2-1-477, Prateek Towers, Opp. Post Office, Nallakunta, Hyderabad 500 044.
26	Sri P.Prahalada, State Convener, United Trade Union Congress (UTUC), H.No.4-81, Amanabolu (V), Golanconda (P), Aleru (M), Nalgonda dist. 508 101. Mobile No.9989470397
27	Sri Japapu Ram Reddy, State President, All India Samyukta Kisan Sabha, H.No.3-60, Tangutur (V), Aleru (M), Nalgonda Dist. 508 101 Mobile No.9705157387
28	Sri Jwvari Ramesh Nayak, State Vice President, All India Progressive Students Union (AIPSU), H.No.2-98/17, Oblapur (V), Zaffargadh (M), Warangal Dist. 506 306 Mobile No.9908302189
29	Sri Vallam Das Kumar, Secretary, Revolutionary Socialist Party (RSP), H.No.1-49, Vadla Konda (V), Parvatagiri (M), Warangal Dist. 506 310. Mobile No.8464932717
30	Sri Chinumulla Lenin, State President, All India Revolutionary Youth Front (AIRYF), H.No.2-134, Ramavaram (V), Kesava Puram (P), Vardhannapeta (M), Warangal Dist. 506 134. Mobile No.9553109618
31	Sri K.Yadaiah, District Secretary, Revolutionary Socialist Party (RSP), Regonti (V), Peddamul (M), Tandur (TQ), Rangareddy Dist. 501 142.
32	Sri P.Pullaiiah, District Secretary, Revolutionary Socialist Party (RSP), H.No.1-98, Pata Shankatm Colony (V&M), Peddapapur, 515 546.
33	Sri K.G.Ranganathan, M/s K.R.G.Hotels (P) Ltd., 33-37, Renigunta Road, Tirupati 517 501.
34	Sri L.P.R.Vittal, Managing Director, M/s Sano High Grade Spectro Gastings Pvt. Ltd. & 5 other firms, Plot No.4 A/1, Phase-II, IDA, Opp. Yellamma Temple, Patancheru, Medak Dist. 502 319.
35	Sri Vinnakota Ajoy Kumar, Proprietor, M/s Gayathri Granite, 2-158/11, Suraram, Hyderabad 500 055.
36	M/s Vinnakota Enterprises, 2-158/11, Suraram, Hyderabad 500 055.

Sl.	Name & Address of the Objector
37	M/s Relmix Pvt. Ltd., # 203, Vijaya Enclave, Plot No.32, Srinagar Colony, Hyderabad 500 073. Phone Nos.(040)66777888 66777999 Fax No.(040)23737317
38	M/s Rocksand Minerals Pvt. Ltd., # 203, Vijaya Enclave, Plot No.32, Srinagar Colony, Hyderabad 500 073. Phone Nos.(040)66777888 66777999 Fax No.(040)23737317 email:rocksandhyd@yahoo.com
39	Sri V.V.Prasad, Executive Director, M/s Vimta Labs Ltd., 142, IDA, Phase-II, Cherlapally, Hyderabad 500 051.
40	Mrs. Bnollavarapu Chaya Devi, Steering Committee Member, YSR Congress Party, 308/2RT, Potti Sree Ramulu Nagar, Vijayanagar Colony, Hyderabad 500 057. Mobile No.9701514917
41	Sri Payyavula Keshav, MLA, Urvakonda Constituency 607, MS2, Old MLA Quarters, Hyderguda, Hyderabad. Fax Nos.(040)23298400, (08554)278738
42	Sri Y.Seshasai Babu, Chartered Accountant, #304, Annapurna Block, Aditya Enclave, Ameerpet, Hyderabad 500 016. Phone. (040)66253993 Mobile No.9989063300 Fax No.66253993 email:yellasaibabu@hotmail.com
43	Sri M.Venugopala Rao, Convener, Centre for Power Studies, H.No.7-1-408 to 413, F 203, Sri Sai Darsan Residency, Balkampet Road, Ameerpet, Hyderabad 500 016.
44	Sri B.V.Raghavulu, Secretary, AP Committee, CPI (M), 1-1-60/2, M.B.Bhavan, RTC x Roads, Hyderabad 500 020. Phone Nos.(040)27665011, 27665012 Fax No.(040)27601001emails:cpimap@gmail.com; email@cpimap.org
45	Sri Challa Gunaranjan, Counsel for M/s Thermal Systems (Hyderabad) Pvt. Ltd., 05, Subhodaya Apartments, Boggulakunta, Hyderabad 500 001.
46	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.28272711 Fax No.28275653 email:power@nippobatteries.com
47	M/s Sri Ramadas Paper Boards Pvt. Ltd., 60-8-18, P&T Colony, Rajahmundry, East Godavari Dist. 533 105. Phone Nos.(0883)2442117 2461147 Fax No.(0883)2444117 emails:ramadaspaper@rediffmail.com; ramadasworks@rediffmail.com
48	M/s Andhra Pulp Products, Godavari Edible Oil Road, Kesavaram, Mandapet (M), East Godavari Dist. 533 341. Phone Nos.(08857)229717 229817
49	M/s Sri Ramadas Pulp Packagings, Godavari Edible Oil Road, Kesavaram, Mandapet (M), East Godavari Dist. 533 341. Phoen Nos.(08857)229717 229817
50	Sri D.V.Krishna, State Secretariat Member, CPI (ML) New Democracy, 658, Marx Bhavan, 7th Lane, Vidyanagar, Hyderabad 500 044. Phone No.(040)27607884 Mobile Nos. 9990700090, 9490700943 Fax No.(040)27662518
51	Executive Director, M/s Rolex Paper Mills Ltd., 4-96, Chintaparru, Palakol (M), West Godavari Dist. 534 250. Phone No.(08814)220119 Mobile No.9848821118 email:rolexpaper@yahoo.co.in
52	Sri Dhillipalla V.A.S.Ravi Prasad, Advocate, 12-1-289, Road No.2, Anand Nagar Colony, GSI (SR) Post, Bandlaguda, Near Nagole, Hyderabad
53	Sri K.Raghu, Certified Energy Manager and Auditor, Coordinator, TEEJAC, 204, SCK Residency, Niloufer Hospital Road, Lakdi-ka-pul, Hyderabad 50 004.
54	Er. J.S.Rao, Managing Director, M/s Keerthi Industries Ltd., Plot No.40, IDA, Balanagar, Hyderabad 500 037. Phone Nos.(040)23076538, 23076539 Fax No.(040)23076543 emails:general@keerthiindustries.com; keerthiltd@gmail.com

Quarter IV (FY 2012-13)

Annexure - A (I)

Particulars (FY 2012-13)	APERC	
	4th Qtr	4th Qtr
Energy Purchases considered (MU)	20724.63	24059.55
Ei - Purchased Energy (in MU) considered for FSA	20724.63	19707.11
Actual Weighted Average Variable Cost (Rs/kWh)	2.69	2.44
Power Purchase Variable Cost Rs.Crs	5568.79	4809.04
Weighted Average Variable Cost: T O (Rs/kWh)	2.1918	2.1918
Pi.- Difference in Wgt. Avg. Variable Cost (Rs./kWh)	0.4952	0.2511
(Pi x Ei) (Rs.in Crores)	1031.46	494.87
Actual Fixed Cost Paid (Rs Crs)	2173.03	2057.60
Fixed Cost allowed as per TO (Rs Crs)	2128.72	2128.72
Fci - Difference in Fixed Cost (Rs. Crs)	44.31	-71.12
Z - Prior Period cost (Rs. Crs)	61.92	118.37
Ai - Adj, for Merit Order violation (Rs. Crs)	-	-
(Pi x Ei + Fci + Zi + Ai)	1137.70	542.12
FSA Eligible Units (Qi in MU)	11077.21	11031.54
Total Sales (Excl. Agrl.) MU - (Tariff Order)	16873.31	14760.05

FSA for Fourth Quarter of 2012-13

Item Name	Claimed by DISCOMs	Allowed by APERC
Quarterly FSA Claim (Rs Crs)	1137.70	542.12
FSA Eligible Units (MU)	11077.21	11031.54
FSA Rate Paise/kwh	102.71	49.14

**DISCOM wise, Month Wise, FSA approved by APERC for Quarter III
(Jan - Mar) FY 2012-13**

APCPDCL	APERC	
Description	4th Qtr	
(1). FSA Rate: Paise / kWh	49.14	
(2). FSA Eligible Units (MU)	5105.58	
(3) = (1)X(2)/1000. FSA Amount recoverable (Rs Crs)	250.90	
APEPDCL	APERC	
Description	4th Qtr	
(1). FSA Rate: Paise / kWh	49.14	
(2). FSA Eligible Units (MU)	2164.74	
(3) = (1)X(2)/1000 - FSA Amount recoverable (Rs Crs)	106.38	
APNPDCL	APERC	
Description	4th Qtr	
(1). FSA Rate: Paise / kWh	49.14	
(2). FSA Eligible Units (MU)	1332.50	
(3) = (1)X(2)/1000 - FSA Amount recoverable (Rs Crs)	65.48	
APSPDCL	APERC	
Description	4th Qtr	
(1). FSA Rate: Paise / kWh	49.14	All DISCOMs
(2). FSA Eligible Units (MU)	2428.72	11031.54
(3) = (1)X(2)/1000 - FSA Amount recoverable (Rs Crs)	119.35	542.12

FSA for the month Jan'13

Station	Energy Dispatch (APERC) (MU)	Ei (Energy in Kwh)	Variable Cost in Rs.	Actual VC/Kwh	ACTUAL - Fixed Cost (in Rs.)	Prior Period Exp (in Rs.)
NCEs	136	117830039	448699225	3.81	0	0
NPC Kaiga - I& II	62	64199077	192943906	3.01	0	0
NPC Kaiga - III & IV	62	71384780	214539818	3.01	0	0
NPC-MAPS	19	21996144	44843547	2.04	0	0
GMR-Rajahmundry	0	0	0	0.00	0	0
LVS	0	0	0	0.00	31606548	0
APGE-Hydel	424	275839190	0	0.00	977000000	0
NTPC-Talcher-ST II	300	262101071	396558920	1.51	205147719	-12892185
KTPS V (D)	311	278299900	412331462	1.48	183525000	0
NTPC(ER)-Talcher-I	0	19216289	29074245	1.51	16032143	-945298
KTPS(ABC)	411	413680000	749958981	1.81	304266667	0
NTPC(ER) - Farakka	0	25056258	45827896	1.83	20779022	-4066262
NTPC(ER)-Kahalgaon	0	12137837	22515688	1.86	12139651	3970837
NTPC(SR)	474	475450321	966590503	2.03	285741827	-39910181
NTECL - VALLURU	0	23880633	47363774	1.98	71750563	0
Reliance	103	37740276	76003421	2.01	20067285	0
Vemagiri	81	29527696	60040663	2.03	32196944	0
NLC ST-II	121	129352272	257277688	1.99	95516401	0
NLC ST-I	70	69153453	137580612	1.99	52519594	0
GVK-Extension	46	17041247	34941591	2.05	17835822	0
Konaseema	93	26633730	54310928	2.04	28936286	0
Gautami	77	35835436	73506482	2.05	38218746	0
NTPC-Simhadri -I	661	677502750	1395361540	2.06	649456188	14937160
APGPCL ST-II	19	13944491	28865097	2.07	3207233	0
GVK	101	74699263	160113541	2.14	89828327	0
SPGL	96	75450183	161796356	2.14	82914914	0
NTPC-Simhadri -II	386	300849051	633354603	2.11	472412024	4720513
LANCO	173	121018062	265609115	2.19	147314206	0
Kakatiya Stage-I	310	301696000	699162993	2.32	575125000	0
RTS-B	36	40431700	98070503	2.43	43241667	0
APGPCL ST-I	6	6982203	16268533	2.33	1324547	0
KTPS VI	317	316140000	792458205	2.51	494983333	0
NTPC(SR) ST III	121	110032516	281683241	2.56	102443335	-8517234
Srivathsa	8	3218933	8618754	2.68	2926010	0
VTPS(I,II,III)	784	678012000	1818001345	2.68	402783333	0
RTPP-ST II	262	271710000	774091937	2.85	353900000	0
VTPS IV	322	329745000	932456941	2.83	436283333	0

FSA for the month Jan'13

Station	Energy Dispatch (APERC) (MU)	Ei (Energy in Kwh)	Variable Cost in Rs.	Actual VC/Kwh	ACTUAL - Fixed Cost (in Rs.)	Prior Period Exp (in Rs.)
RTPP -ST III	131	130751631	372506655	2.85	268091667	0
RTPP-I	259	257161000	732642363	2.85	186716667	0
Other sources	760					
Power Exchange Ltd	0	0	0	0.00	0	0
UI-SRPC	0	0	0	2.43	0	0
Jindal Power Ltd.,	0	10938220	42659058	3.90	0	0
Venkataraya	0	557290	2507805	4.50	0	0
Instinct	0	3365243	15376645	4.57	0	0
M/s NTPC (NVVNL)	0	17921157	87381211	4.88	0	0
Reliance Energy	0	66337444	331687220	5.00	0	0
Steel Exchange	0	1937640	9688200	5.00	0	0
Knowledge Infrastructure	0	27821241	139106205	5.00	0	0
TATA Power	0	42651865	223922291	5.25	0	0
Aravali	0	101646343	535001680	5.26	0	0
UI-NTPC simhadri	0	0	0		0	0
PTC India Ltd	0	99073911	535650127	5.41	0	0
TOTAL	7543	6487950786	15358951514	2.3673	6706232002	-42702650

0

Variable cost/unit (Actuals)	2.3673
Variable cost/unit (APERC)	2.0889
Pi (Diff. in weighted avg. cost)	0.2785
Ei (Energy as mentioned in Tariff Order)	6487950786
Variance in Variable Cost (Pi*Ei) (Rs.Crs.)	180.657
Fixed cost Actuals	670.62
Fixed cost as per TO (Pg No.45-Table 19 & Pg.53 - Table)	709.57
Variance in Fixed Cost (Fci) (Rs. Crs.)	-38.9501
Prior Period Expenditure (Z) (Rs. Crs.)	-4.2703
FSA (Rs. Crs.)	137.437

FSA for the month Feb'13

Station	Energy Dispatch (APERC) (MU)	Ei (Energy in Kwh)	Variable Cost in Rs.	Actual VC/Kwh	ACTUAL - Fixed Cost (in Rs.)	Prior Period Exp (in Rs.)
NCEs	166	124478582	524080631	4.21	0	0
NPC-MAPS	19	20091554	40965136	2.04	0	0
NPC Kaiga - I & II	45	62603175	188147582	3.01	0	0
NPC Kaiga - III & IV	45	65828135	197839876	3.01	0	0
GMR-Rajahmundry	0	0	0	0.00	0	0
LVS	0	0	0	0.00	31606548	0
APGE-Hydel	577	273780433	0	0.00	977000000	0
NTPC-Talcher-ST II	281	249703374	241962569	0.97	189060893	0
NTPC(ER)-Talcher-I	0	14898473	14439309	0.97	15125343	0
KTPS V (D)	281	282014300	411733941	1.46	183525000	0
NTPC(ER) - Farakka	0	23888185	37767220	1.58	21962947	0
NTPC(ER)-Kahalgaon	0	13561394	21779599	1.61	13147821	0
KTPS(ABC)	371	352435000	609071408	1.73	304266667	0
NTPC(SR)	452	405952685	767250575	1.89	237302047	0
Reliance	94	35153267	70089582	1.99	18147011	0
SPGL	87	71706060	143581910	2.00	80549660	0
NLC ST-II	114	111486300	218838321	1.96	69760154	0
NLC ST-I	65	67588110	132790287	1.96	42419110	0
GVK	92	69610230	140708891	2.02	81631503	0
Vemagiri	70	13435120	27436256	2.04	15153283	0
Konaseema	84	10856068	21982060	2.02	12124224	0
GVK-Extension	42	5677152	11739520	2.07	6010383	0
NTECL - VALLURU	0	20348627	41572245	2.04	63239141	0
Gautami	88	15798220	32428843	2.05	17030908	0
NTPC-Simhadri -I	597	563663000	1184751219	2.10	562195321	0
KTPS VI	286	305761000	708243094	2.32	494983333	0
Kakatiya Stage-I	280	300811800	679661582	2.26	575125000	0
RTS-B	32	36690300	90940344	2.48	43241667	0
NTPC-Simhadri -II	346	212743221	497034782	2.34	373207082	0
NTPC(SR) ST III	109	104315786	260580833	2.50	94385823	0
APGPCL ST-I	5	6905294	17933050	2.60	1397232	0
Srivathsa	8	2898138	7720242	2.66	2634408	0
VTPS IV	291	292068000	801655663	2.74	436283333	0
VTPS(I,II,III)	708	698730000	1960283466	2.81	402783333	0
RTPP-ST II	236	236013000	676297873	2.87	353900000	0
RTPP -ST III	118	117435456	336512604	2.87	268091667	0
APGPCL ST-II	18	14256816	40480021	2.84	1411425	0

FSA for the month Feb'13

Station	Energy Dispatch (APERC) (MU)	Ei (Energy in Kwh)	Variable Cost in Rs.	Actual VC/Kwh	ACTUAL - Fixed Cost (in Rs.)	Prior Period Exp (in Rs.)
RTPP-I	234	226534000	649135693	2.87	186716667	0
LANCO	159	124969149	424584330	3.40	92925768	0
Other sources	1294					
Indian Energy Exchange	0	-	-	-	-	-
Power Exchange Ltd	0	-	-	-	-	-
UI-SRPC	0	-	-	-	-	-
Lanco El. Utility Ltd.,	0	163868	704632	4.30	-	-
Venkataraya	0	505460	2274570	4.50	-	-
UI-NTPC simhadri	0	0	0	-	-	-
Aravali	0	110932937	550844150	4.97	-	-
Reliance Energy	0	66213951	331069755	5.00	-	-
Steel Exchange	0	1956873	9784365	5.00	-	-
Knowledge Infrastructure	0	23963725	119818625	5.00	-	-
M/s NTPC (NVVNL)	0	32890016	173880607	5.29	-	-
PTC India Ltd	0	232216709	1258999904	5.42	-	-
JSWPTC	0	194434210	1055777760	5.43	-	-
TATA Power	0	37746835	207607593	5.50	-	-
GMR ENER.TRAD.LTD	0	4396453	24180492	5.50	-	-
TOTAL	7695	6260110441	15966963010	2.55	6268344702	0

Variable cost/unit (Actuals)	2.5506
Variable cost/unit (APERC)	2.2038
Pi (Diff. in weighted avg. cost)	0.3468
Ei (Energy as mentioned in Tariff Order)	6260110441
Variance in Variable Cost (Pi*Ei) (Rs.Crs.)	217.074
Fixed cost Actuals	626.834
Fixed cost as per TO (Pg NO.45-Table 19 & Pg.53 - Table 2)	709.573
Variance in Fixed Cost (Fci) (Rs. Crs.)	-82.739
Prior Period Expenditure (Z) (Rs. Crs.)	0.0000
FSA (Rs. Crs.)	134.335

FSA for the month Mar'13

Station	Energy Dispatch (APER) (MU)	Ei (Energy in Kwh)	Variable Cost in Rs.	Actual VC/Kwh	ACTUAL - Fixed Cost (in Rs.)	Prior Period Exp (in Rs.)
NCEs	193	103979189	411486174	3.96	0	0
NPC Kaiga - I & II	63	72388863	217557489	3.01	0	0
NPC Kaiga - III & IV	63	40119085	120573898	3.01	0	0
NPC-MAPS	19	11001279	22434345	2.04	0	0
LVS	0	0	0		35684812	0
APGE-Hydel	657	392912268	0	-	1344170000	660910000
NTPC-Talcher-ST II	300	214410734	194684946	0.91	183563763	51318494
NTPC(ER)-Talcher-I	0	17031835	19101272	1.12	11757463	0
Gautami	97	233456596	261886164	1.12	28110169	0
KTPS V (D)	311	326446800	489918287	1.50	226213489	0
KTPS(ABC)	411	391862000	688433923	1.76	304266667	0
GVK	99	80411366	156881996	1.95	90322624	0
Reliance	103	40918873	81296624	1.99	42085008	0
NLC ST-I	70	75351520	148616488	1.97	51569671	0
NLC ST-II	121	134014601	264344378	1.97	91598480	0
NTPC-Simhadri -I	661	685883750	1372421052	2.00	652214201	260034458
NTPC(SR)	479	471605082	995841405	2.11	273638513	202482212
Kakatiya Stage-I	310	323581100	697345905	2.16	711456730	0
NTPC(ER) - Farakka	0	24803245	51570588	2.08	20208137	0
NTPC(ER)-Kahalgaon	0	16179388	35056074	2.17	15533169	108905
SPGL	96	84794841	188825523	2.23	85086242	0
NTECL - VALLURU	0	27437194	62530597	2.28	19221708	0
NTPC-Simhadri -II	398	227595019	543929681	2.39	405771503	1386677
RTS-B	36	38711300	97099765	2.51	45950994	0
NTPC(SR) ST III	121	112672144	290252254	2.58	102562253	50173828
APGPCL ST-I	6	6416075	16662546	2.60	1329068	0
Srivathsa	6	3166328	8534350	2.70	5665101	0
RTPP-ST II	262	288702000	852905661	2.95	444874011	0
VTPS(I,II,III)	784	808926000	2251390456	2.78	578867991	0
KTPS VI	317	358292000	1054637771	2.94	672580901	0
APGPCL ST-II	19	13079879	37110321	2.84	1294908	0
RTPP-I	259	272884000	806174908	2.95	186716667	0
VTPS IV	322	353286000	1040549578	2.95	524749009	0
RTPP -ST III	131	112497347	332348318	2.95	271711654	0
LANCO	171	157794117	705140961	4.47	102882101	0
Konaseema	93	12487774	68682757	5.50	13936261	0
Vemagiri	78	51823952	285031736	5.50	55813208	0
Other sources	1719					
Power Exchange Ltd	0	0	0	0.00	0	0
UI-SRPC	0	0	0		0	0
UI-NTPC simhadri	0	0	0		0	0
GMR ENER.TRAD.LTD	0	389610	1207791	3.10	0	0
Jindal Power Ltd.,	0	5331585	20793182	3.90	0	0
Lanco El. Utility Ltd.,	0	789821	3396230	4.30	0	0
Venkatarama	0	581750	2617875	4.50	0	0

FSA for the month Mar'13

Station	Energy Dispatch (APERC) (MU)	Ei (Energy in Kwh)	Variable Cost in Rs.	Actual VC/Kwh	ACTUAL - Fixed Cost (in Rs.)	Prior Period Exp (in Rs.)
Adani	0	19665323	93410284	4.75	0	0
Reliance Energy	0	77732717	388663585	5.00	0	0
Steel Exchange	0	2739826	13699130	5.00	0	0
Knowledge Infrastructure	0	27894067	139470335	5.00	0	0
Aravali	0	133473910	668326259	5.01	0	0
PTC India Ltd	0	103530721	561623007	5.42	0	0
TOTAL	8821	6959052874	16764465868	2.409	7601406476	1226414574

Variable cost/unit (Actuals)	2.4090
Variable cost/unit (APERC)	2.2694
Pi (Diff. in weighted avg. cost)	0.1396
Ei (Energy as mentioned in Tariff Order)	6959052874
Variance in Variable Cost (Pi*Ei) (Rs.Crs.)	97.139
Fixed cost Actuals	760.141
Fixed cost as per TO (Pg NO.45-Table 19)	709.573
Variance in Fixed Cost (Fci) (Rs. Crs.)	50.567
Prior Period Expenditure (Z) (Rs. Crs.)	122.641
FSA (Rs. Crs.)	270.348

**EPDCL - Categorywise, monthwise & voltage wise Kwh sales -
IVth Qtr of 2012-13**

(in MU)

Category	Jan'13	Feb'13	Mar'13	Qtr 4 Total
LT TOTAL	531.49	529.76	553.75	1,614.99
Domestic Supply - Cat-I	231.51	222.50	240.63	694.64
Non-Domestic Supply - Cat-II	46.08	48.49	48.40	142.97
Industrial Supply - Cat-III	39.83	48.73	36.79	125.35
Cottage Industries - Cat-IV	0.16	0.24	0.14	0.54
Agricultural - Cat-V	185.61	183.38	203.32	572.30
Local Bodies, STLs & PWS/RWS - Cat-VI	25.31	23.65	21.35	70.31
General Purpose - Cat-VII	2.96	2.72	3.05	8.72
Temporary Supply - Cat-VIII	0.04	0.05	0.06	0.15
HT 11 KV Total	109.82	120.41	109.88	340.11
Industrial - Cat - I	69.01	74.60	66.75	210.36
Others - Cat-II	20.00	23.29	20.14	63.43
Aviation Activity at Airports - Cat-III	0.06	0.07	0.07	0.20
Irrigation & Agl. - Cat-IV	2.33	2.38	2.54	7.25
Railway Traction - Cat-V	-	-	-	-
Townships and Residential Colonies - Cat-VI	1.67	1.67	1.59	4.93
Green Power - Cat-VII	-	-	-	-
Electric Co-Op Societies - Cat-VIII	16.75	18.40	18.80	53.96
Temporary - Cat-IX	-	-	-	-
HT 33 KV Total	60.14	60.07	60.48	180.69
Industrial - Cat - I	50.73	50.34	51.06	152.13
Others - Cat-II	8.66	9.03	8.52	26.21
Aviation Activity at Airports - Cat-III	-	-	-	-
Irrigation & Agl. - Cat-IV	0.28	0.23	0.43	0.93
Railway Traction - Cat-V	-	-	-	-
Townships and Residential Colonies - Cat-VI	0.48	0.48	0.47	1.42
Green Power - Cat-VII	-	-	-	-
Electric Co-Op Societies - Cat-VIII	-	-	-	-
Temporary - Cat-IX	-	-	-	-
HT 132 & ABOVE KV Total	216.65	203.94	187.95	608.54
Industrial - Cat - I	161.74	148.23	136.21	446.19
Others - Cat-II	5.76	6.32	5.38	17.46
Aviation Activity at Airports - Cat-III	-	-	-	-
Irrigation & Agl. - Cat-IV	-	-	-	-
Railway Traction - Cat-V	49.15	49.39	46.36	144.89
Townships and Residential Colonies - Cat-VI	-	-	-	-
Green Power - Cat-VII	-	-	-	-
Electric Co-Op Societies - Cat-VIII	-	-	-	-
Temporary - Cat-IX	-	-	-	-
HT - ALL VOLTAGE LEVELS				
Industrial - Cat - I	281.48	273.16	254.03	808.67
Others - Cat-II	34.42	38.64	34.04	107.10
Aviation Activity at Airports - Cat-III	0.06	0.07	0.07	0.20
Irrigation & Agl. - Cat-IV	2.60	2.62	2.96	8.18
Railway Traction - Cat-V	49.15	49.39	46.36	144.89
Townships and Residential Colonies - Cat-VI	2.15	2.14	2.06	6.35
Green Power - Cat-VII	-	-	-	-
Electric Co-Op Societies - Cat-VIII	16.75	18.40	18.80	53.96
Temporary - Cat-IX	-	-	-	-
HT Total	386.612	384.416	358.310	1129.338
LT + HT Total	918.103	914.171	912.058	2744.332
FSA Sales W/o Agrl.	732.50	730.79	708.74	2172.031
Less: RESCO Purchases	-16.75	-18.40	-18.80	-53.96
Add: RESCO SALES	14.77	15.66	16.23	46.66
Eligible Sales for FSA Recovery	730.52	728.05	706.17	2164.74

**CPDCL - Categorywise, monthwise & voltage wise Kwh sales
(FOURTH QUARTER OF 2012-13)**

Voltage	Category	KWH SALES			
		Jan-13	Feb-13	Mar-13	4th Qtr
LT	LT-I Domestic	466.23	463.23	565.19	1,494.66
	LT-II(A&B) - Non-domestic/Commercial	152.10	151.90	175.61	479.62
	LT-III (A & B) - Industrial	104.28	95.60	98.06	297.93
	LT-IV - Cottage Industries & Dhobighats	1.44	1.37	1.43	4.24
	LT-VA,A(i) & A(ii) - Irrign & Agril	738.98	722.23	810.10	2,271.30
	LT-VI - Local Bodies, St. Lighting & PWS	67.58	64.81	64.95	197.35
	LT-VII (A & B) - General Purpose	5.66	6.00	6.81	18.47
	LT-VIII-Temporary Supply	0.13	0.10	0.12	0.35
	Total	1,536.40	1,505.24	1,722.28	4,763.92
HT - 11	HT-I Industry Segregated	174.50	180.26	158.55	513.31
	HT-I (B) Ferro-Alloys	0.71	0.83	0.74	2.27
	HT-II Industrial Non-Segregated	78.65	83.76	80.16	242.57
	HT-III Aviation	-	-	-	-
	HT-IV A Govt. Lift Irrigation Schemes	1.12	1.26	1.13	3.51
	HT-IV B Agriculture	1.36	1.41	1.10	3.87
	HT-IV(C) Composite PW Supply	4.14	4.08	3.24	11.46
	HT-V Railway Traction	-	-	-	-
	HT-VI Townships and Residential Colonies	6.96	6.93	7.05	20.94
Temporary	3.65	3.96	3.78	11.38	
	Total	271.09	282.49	255.74	809.32
HT - 33	HT-I Industry Segregated	271.72	279.48	266.09	817.28
	HT-I (B) Ferro-Alloys	20.92	20.95	19.21	61.08
	HT-II Industrial Non-Segregated	35.15	39.21	38.38	112.74
	HT-III Aviation	-	-	-	-
	HT-IV A Govt. Lift Irrigation Schemes	2.71	2.74	1.46	6.91
	HT-IV B Agriculture	0.90	1.35	1.07	3.32
	HT-IV(C) Composite PW Supply	2.07	2.11	1.72	5.90
	HT-V Railway Traction	-	-	-	-
	HT-VI Townships and Residential Colonies	2.32	2.36	2.41	7.09
Temporary	-	-	-	-	
	Total	335.78	348.20	330.34	1,014.33
132	HT-I Industry Segregated	181.97	191.43	167.91	541.31
	HT-I (B) Ferro-Alloys	6.07	6.08	10.52	22.66
	HT-II Industrial Non-Segregated	2.81	3.01	3.08	8.90
	HT-III Aviation	-	-	-	-
	HT-IV A Govt. Lift Irrigation Schemes	0.53	0.57	0.41	1.50
	HT-IV B Agriculture	-	-	-	-
	HT-IV(C) Composite PW Supply	-	-	-	-
	HT-V Railway Traction	12.58	12.36	11.27	36.21
	HT-VI Townships and Residential Colonies	-	-	-	-
Temporary	-	-	-	-	
	Total	203.96	213.45	193.19	610.59
HT - 220 KV	HT-I Industry Segregated	30.19	24.58	26.34	81.12
	HT-I (B) Ferro-Alloys	-	-	-	-
	HT-II Industrial Non-Segregated	-	-	-	-
	HT-III Aviation	4.03	4.21	4.06	12.30
	HT-IV A Govt. Lift Irrigation Schemes	35.75	33.15	16.40	85.31
	HT-IV B Agriculture	-	-	-	-
	HT-IV(C) Composite PW Supply	-	-	-	-
	HT-V Railway Traction	-	-	-	-
	HT-VI Townships and Residential Colonies	0.00	0.00	-	-
Temporary	-	-	-	-	
	Total	69.97	61.95	46.81	178.73
HT Total	HT-I Industry Segregated	658.38	675.75	618.90	1,953.03
	HT-I (B) Ferro-Alloys	27.69	27.86	30.47	86.01
	HT-II Industrial Non-Segregated	116.60	125.98	121.63	364.21
	HT-III Aviation	4.03	4.21	4.06	12.30
	HT-IV A Govt. Lift Irrigation Schemes	40.11	37.72	19.41	97.24
	HT-IV B Agriculture	2.26	2.76	2.17	7.19
	HT-IV(C) Composite PW Supply	6.21	6.19	4.96	17.36
	HT-V Railway Traction	12.58	12.36	11.27	36.21
	HT-VI Townships and Residential Colonies	9.28	9.29	9.45	28.03
Temporary	3.65	3.96	3.78	11.38	
	Total	880.80	906.08	826.08	2,612.96
LT+HT TOTAL		2,417.20	2,411.32	2,548.36	7,376.88
FSA Sales W/o Agrl.		1678.23	1689.09	1738.26	5105.58
Agrl Sales (Least)		0.00	0.00	0.00	0.00
Sales for FSA		1678.23	1689.09	1738.26	5105.58
Less: RESCO Puchases					-
Add: RESCO SALES					-
Eligible Sales for FSA Recovery		1678.23	1689.09	1738.26	5105.58

SPDCL - Categorywise, monthwise & voltage wise Kwh sales - IVth Qtr of 2012-13

2012-13 (4th Quarter)

(in MU)

Sales / Forecast Sales (KWH) (MUs)	Jan' 13	Feb' 13	Mar' 13	Total
LT Category	876.12	895.86	1059.86	2831.84
LT-I Domestic	326.27	315.24	312.00	953.51
LT-II(A&B) - Non-domestic/Commercial	64.80	62.26	61.99	189.05
LT-III (A & B) - Industrial	60.25	65.62	63.96	189.83
LT-IV - Cottage Industries & Dhobighats	2.07	1.67	1.82	5.56
LT-VA,A(i) & A(ii) - Irrigation and Agriculture	386.01	416.08	588.88	1390.97
LT-VI - Local Bodies, St. Lighting & PWS	32.66	31.33	27.57	91.56
LT-VII (A & B) - General Purpose	4.00	3.55	3.63	11.18
LT-VIII-Temporary Supply	0.07	0.11	0.01	0.19
HT Category at 11 KV	100.12	109.76	100.68	310.56
HT-I Industry Segregated	44.27	51.50	48.09	143.86
Lights & Fans	1.38	1.51	1.50	4.39
Colony consumption	0.12	0.13	0.12	0.37
Seasonal Industries	3.52	3.90	3.30	10.73
HT-I Indrl. Time-of-Day Tariff (6 PM to 10 PM)	0.06	0.06	0.06	0.18
HT-I (B) Ferro-Alloys	6.93	7.14	4.21	18.28
HT-II Industrial Non-Segregated	18.58	18.51	20.36	57.45
HT-III Aviation	0.03	0.03	0.03	0.09
HT-IV A Govt. Lift Irrigation Schemes	2.20	2.93	1.99	7.11
HT-IV B Agriculture	0.00	0.01	0.06	0.08
HT-IV(C) Composite PW Supply	0.61	1.04	0.64	2.29
HT-VI Townships and Residential Colonies	1.48	1.59	1.64	4.71
HT-VII - Green Power	-	-	-	-
RESCOs	20.95	21.40	18.67	61.02
Temporary	-	-	-	-
HT Category at 33 KV	105.65	119.59	115.79	341.03
HT-I Industry Segregated	89.32	100.70	95.82	285.84
Lights & Fans	0.49	0.54	0.54	1.58
Colony consumption	0.55	0.61	0.60	1.76
Seasonal Industries	2.87	3.50	3.68	10.05
HT-I Indrl. Time-of-Day Tariff (6 PM to 10 PM)	2.13	2.28	2.08	6.49
HT-I (B) Ferro-Alloys	4.61	6.70	8.15	19.46
HT-II Industrial Non-Segregated	3.90	4.05	4.39	12.35
HT-III Aviation	-	-	-	-
HT-IV A Govt. Lift Irrigation Schemes	1.67	1.06	0.41	3.14
HT-IV B Agriculture	-	-	-	-
Composite Public Water Supply Schemes	0.06	0.11	0.08	0.26
HT-VI Townships and Residential Colonies	0.04	0.04	0.04	0.12
HT-VII - Green Power	-	-	-	-
RESCOs	-	-	-	-
Temporary	-	-	-	-
HT Category at 132 KV	107.31	117.70	119.73	344.74
HT-I Industry Segregated	57.06	63.48	62.26	182.80

Lights & Fans	0.67	0.74	0.73	2.14
Colony consumption	0.53	0.54	0.50	1.57
Seasonal Industries	-	-	-	-
HT-I Indrl. Time-of-Day Tariff (6 PM to 10 PM)	3.93	4.39	3.93	12.25
HT-I (B) Ferro-Alloys	2.10	3.95	4.67	10.72
HT-II Industrial Non-Segregated	0.38	0.36	0.35	1.10
HT-III Aviation	-	-	-	-
HT-IV A Govt. Lift Irrigation Schemes	-	-	-	-
HT-IV B Agriculture	0.00	0.00	0.00	-
Composite Public Water Supply Schemes	-	-	-	-
HT-V Railway Traction	42.63	44.25	47.29	134.17
HT-VI Townships and Residential Colonies	-	-	-	-
HT-VII - Green Power	-	-	-	-
RESCOs	-	-	-	-
Temporary	-	-	-	-
Total (LT & HT)	1189.20	1242.91	1396.06	3828.17
HT - ALL VOLTAGE LEVELS				
Industrial - Cat - I	220.54	251.67	240.25	712.46
Others - Cat-II	22.87	22.92	25.10	70.89
Aviation Activity at Airports - Cat-III	0.03	0.03	0.03	0.09
Irrigation & Agl. - Cat-IV	4.54	5.15	3.18	12.87
Railway Traction - Cat-V	42.63	44.25	47.29	134.17
Townships and Residential Colonies - Cat-VI	1.52	1.63	1.68	4.83
Green Power - Cat-VII	-	-	-	-
Electric Co-Op Societies - Cat-VIII	20.95	21.40	18.67	61.02
Temporary - Cat-IX	-	-	-	-
HT Total	313.08	347.05	336.20	996.33
Grand Total	1189.20	1242.91	1396.06	3828.17
FSA Sales W/o Agrl.	803.19	826.83	807.18	2437.21
Less: RESCO Purchases	-20.95	-21.40	-18.67	-61.02
Add: RESCO SALES	18.00	18.49	16.05	52.53
Eligible Sales for FSA Recovery	800.24	823.92	804.56	2428.72

NPDCCL - Categorywise, monthwise & voltage wise Kwh sales - IVth Qtr of 2012-13

(in MU)

LT Cat	Jan'13	Feb'13	Mar'13	4th Qtr
LT-I Domestic	160.69	143.24	151.13	455.06
LT-II(A&B) - Non-domestic/Commercial	34.47	31.31	31.88	97.66
LT-III (A & B) - Industrial	30.29	29.12	23.48	82.89
LT-IV - Cottage Industries & Dhobighats	0.54	0.49	0.46	1.49
LT-VA,A(i) & A(ii) - Irrigation and Agriculture	438.60	388.97	522.25	1349.83
LT-VI - Local Bodies, St. Lighting & PWS	24.43	24.75	22.46	71.64
LT-VII (A & B) - General Purpose	2.34	2.24	2.35	6.93
LT-VIII-Temporary Supply	0.00	0.00	0.00	0.00
LT - Total	691.35	620.13	754.01	2065.49
HT - 11 KV VOLTAGE				
Industrial - Cat - I	39.444	44.059	40.324	123.827
Others - Cat-II	5.320	3.827	6.005	15.152
Irrigation & Agl. - Cat-IV	3.642	3.777	3.326	10.745
Townships & Residential Colonies - HT-VI	0.896	1.445	1.818	4.159
Electric Co-Op Societies - Cat-VIII	45.723	40.831	38.921	125.475
Total	95.03	93.94	90.39	279.36
HT - 33 KV VOLTAGE				
Industrial - Cat - I	13.605	15.132	14.199	42.936
Others - Cat-II	0.270	0.365	0.395	1.030
Irrigation & Agl. - Cat-IV	1.681	1.747	0.456	3.884
Townships & Residential Colonies - HT-	2.587	2.410	2.683	7.680
Electric Co-Op Societies - Cat-VIII	2.423	2.073	2.483	6.979
Total	20.57	21.73	20.22	62.51
HT - 132 VOLTAGE				
Industrial - Cat - I	47.244	46.152	41.857	135.253
Others - Cat-II	12.054	8.637	3.844	24.535
Irrigation & Agl. - Cat-IV	36.569	37.419	33.879	107.867
HT-V Railway Traction	6.515	6.268	7.042	19.825
Townships & Resl Colonies-HT-VI				0.000
Total	102.38	98.48	86.62	287.48
HT - 220 VOLTAGE				
Others - Cat-II	0.004	2.058	1.015	3.077
Irrigation & Agl. - Cat-IV	0.104	0.109	0.099	0.312
Total	0.11	2.17	1.11	3.39
Industrial - Cat - I	100.293	105.343	96.380	302.016
Others - Cat-II	17.648	14.887	11.259	43.794
Irrigation & Agl. - Cat-IV	41.996	43.052	37.760	122.808
HT-V Railway Traction	6.515	6.268	7.042	19.825
Townships & Residential Colonies - HT-	3.483	3.855	4.501	11.839
Electric Co-Op Societies - Cat-VIII	48.146	42.904	41.404	132.454
ALL HT	218.08	216.31	198.35	632.74
LT & HT	909.43	836.44	952.36	2698.23
FSA Sales W/o Agrl.	470.83	447.47	430.10	1348.40
Less: RESCO Purchases	48.15	42.90	41.40	132.45
Add: RESCO SALES	42.37	37.76	36.44	116.56
Eligible Sales for FSA Recovery	465.05	442.32	425.13	1332.50

ALLDISCOMS - Categorywise, monthwise & voltage wise Kwh sales - IVth Qtr of 2012-13

2012-13 (4th Quarter)

(in MU)

Sales / Forecast Sales (KWH) (MUs)	Jan'13	Feb'13	Mar'13	4th Qtr
LT Category	3635.37	3550.98	4089.89	11276.25
LT-I Domestic	1,184.70	1,144.22	1,268.96	3597.87
LT-II(A&B) - Non-domestic/Commercial	297.44	293.97	317.89	909.30
LT-III (A & B) - Industrial	234.65	239.06	222.29	696.00
LT-IV - Cottage Industries & Dhobighats	4.21	3.77	3.85	11.83
LT-VA,A(i) & A(ii) - Irrigation and Agriculture	1,749.20	1,710.66	2,124.55	5584.40
LT-VI - Local Bodies, St. Lighting & PWS	149.98	144.53	136.34	430.85
LT-VII (A & B) - General Purpose	14.95	14.51	15.83	45.29
LT-VIII-Temporary Supply	0.25	0.26	0.19	0.69
HT Category at 11 KV	576.06	606.60	556.69	1739.35
HT-I Industry Segregated	339.94	364.00	323.65	1,027.59
HT-II Industrial Non-Segregated	122.55	129.39	126.66	378.59
HT-III Aviation	0.09	0.10	0.10	0.29
HT-IV A,B &C Lift Irrigation Schemes	15.40	16.89	14.02	46.31
HT-VI Townships and Residential Colonies	11.01	11.63	12.09	34.73
RESCOs	83.42	80.64	76.40	240.45
Temporary	3.65	3.96	3.78	11.38
HT Category at 33 KV	522.14	549.59	526.83	1598.56
HT-I Industry Segregated	456.94	480.22	461.43	1,398.59
HT-II Industrial Non-Segregated	47.98	52.65	51.69	152.33
HT-III Aviation				-
HT-IV A,B &C Lift Irrigation Schemes	9.37	9.36	5.63	24.35
HT-VI Townships and Residential Colonies	5.42	5.29	5.60	16.31
RESCOs	2.42	2.07	2.48	6.98
Temporary				-
HT Category at 132 KV	700.38	697.68	635.41	2033.47
HT-I Industry Segregated	491.51	489.57	454.93	1,436.01
HT-II Industrial Non-Segregated	21.01	20.39	13.67	55.07
HT-III Aviation	4.03	4.21	4.06	12.30
HT-IV A,B &C Lift Irrigation Schemes	72.96	71.24	50.79	194.99
HT-V Railway Traction	110.88	112.26	111.96	335.10
HT-VI Townships and Residential Colonies	-	-	-	-
Total (LT & HT)	5433.94	5404.84	5808.83	16647.62
HT - ALL VOLTAGE LEVELS				
Industrial - Cat - I	1,288.38	1,333.78	1,240.02	3,862.19
Others - Cat-II	191.54	202.43	192.02	585.99
Aviation Activity at Airports - Cat-III	4.12	4.31	4.16	12.59
Irrigation & Agl. - Cat-IV	97.72	97.49	70.44	265.65
Railway Traction - Cat-V	110.88	112.26	111.96	335.10
Townships and Residential Colonies - Cat-VI	16.44	16.92	17.69	51.05
Green Power - Cat-VII				
Electric Co-Op Societies - Cat-VIII	85.85	82.71	78.88	247.43
Temporary - Cat-IX	3.65	3.96	3.78	11.38
HT Total	1798.57	1853.86	1718.94	5371.37
Grand Total	5433.94	5404.84	5808.83	16647.62

Eligible Sales Ex-Agrl for FSA Recovery	Jan-13	Feb-13	Mar-13	Total
EPDCL	730.52	728.05	706.17	2164.74
CPDCL	1678.23	1689.09	1738.26	5105.58
SPDCL	800.24	823.92	804.56	2428.72
NPDCL	465.05	442.32	425.13	1332.50
Total Non-Agrl. Sales (MU) (A)	3674.04	3683.38	3674.12	11031.54
Agriculture Sales considered for FSA				
EPDCL	185.61	183.38	203.32	572.30
CPDCL	738.98	722.23	810.10	2271.30
SPDCL	386.01	416.08	588.88	1390.97
NPDCL	438.60	388.97	522.25	1349.83
Total Agriculture Sales (MU) - (B)	1749.20	1710.66	2124.55	5584.40
Total (A & B)	5423.23	5394.04	5798.67	16615.94

POWER PURCHASE (IN MU) WITH Actual SALES, Adju Agrl. and Normative LOSSES
Power Purchase, Losses (MYT) & Sales (in MU) for 4th Qtr of FY 2012-13

FY 2012-13	Voltage	Jan-13	Voltage	Sales	LT	11kV	33kV	132kV
EPDCL	L.T.	5.13%	L.T.	531.491	560.23	585.22	606.26	631.91
15.80%	11kV	4.27%	11kV	109.825		114.72	118.85	123.88
	33kV	3.47%	33kV	60.137			62.30	64.94
CGS (MU)	132kV	4.06%	132kV	216.650				225.82
199.09	PGCIL	4.98%	TOTAL	918.103	560.23	699.94	787.40	1046.54
% Loss up to said voltage :					5.13%	8.38%	10.92%	12.27%
						D. Loss:	85.95	
						T. Loss	42.49	
						PGC Loss	9.91	1056.46
Loss(MU) & % Loss incl.PGCIL :					TOTAL		138.35	13.10%

FY 2012-13	Voltage	Feb-13	Voltage	Sales	LT	11kV	33kV	132kV
EPDCL	L.T.	5.13%	L.T.	529.756	558.40	583.31	604.28	629.85
15.80%	11kV	4.27%	11kV	120.408		125.78	130.30	135.81
	33kV	3.47%	33kV	60.071			62.23	64.86
CGS (MU)	132kV	4.06%	132kV	203.937				212.57
180.11	PGCIL	4.98%	TOTAL	914.171	558.40	709.09	796.81	1043.09
% Loss up to said voltage :					5.13%	8.31%	10.87%	12.36%
						D. Loss:	86.57	
						T. Loss	42.35	
						PGC Loss	8.97	1052.06
Loss(MU) & % Loss incl.PGCIL :					TOTAL		137.89	13.11%

FY 2012-13	Voltage	Mar-13	Voltage	Sales	LT	11kV	33kV	132kV
EPDCL	L.T.	5.13%	L.T.	553.748	583.69	609.73	631.64	658.37
15.80%	11kV	4.27%	11kV	109.878		114.78	118.90	123.94
	33kV	3.47%	33kV	60.480			62.65	65.31
CGS (MU)	132kV	4.06%	132kV	187.952				195.91
187.95	PGCIL	4.98%	TOTAL	912.058	583.69	724.51	813.20	1043.52
% Loss up to said voltage :					5.13%	8.40%	10.96%	12.60%
						D. Loss:	89.10	
						T. Loss	42.37	
						PGC Loss	9.36	1052.88
Loss(MU) & % Loss incl.PGCIL :					TOTAL		140.83	13.38%

FY 2012-13	Voltage	3 Mnts	Voltage	Sales	LT	11kV	33kV	132kV
Yearly	L.T.	5.13%	L.T.	1614.995	1702.32	1778.26	1842.18	1920.14
15.80%	11kV	4.27%	11kV	340.111	-	355.28	368.05	383.63
	33kV	3.47%	33kV	180.688	-	-	187.18	195.10
CGS (MU)	132kV	4.06%	132kV	608.539	-	-	-	634.29
567.15	PGCIL	4.98%	TOTAL	2744.332	1702.32	2133.54	2397.42	3133.16
% Loss up to said voltage :					5.13%	8.36%	10.91%	12.41%
						D. Loss:	261.62	
						T. Loss	127.21	
						PGC Loss	28.24	3161.405
Loss(MU) & % Loss incl.PGCIL :					TOTAL		417.072	13.19%

POWER PURCHASE (IN MU) WITH Actual SALES, Adju Agri. and Normative LOSSES
Power Purchase, Losses (MYT) & Sales (in MU) for 4th Qtr of FY 2012-13

FY 2012-13	Voltage	Jan-13	Voltage	Sales	LT	11kV	33kV	132kV
CPDCL	L.T.	8.70%	L.T.	1536.404	1682.81	1780.75	1853.02	1931.43
46.06%	11kV	5.50%	11kV	271.086		286.86	298.50	311.14
	33kV	3.90%	33kV	335.783			349.41	364.20
CGS (MU)	132kV	4.06%	132kV	273.930				285.52
580.39	PGCIL	4.98%	TOTAL	2417.202	1682.81	2067.61	2500.93	2892.29
% Loss up to said voltage :					8.70%	12.58%	14.30%	16.43%
						D. Loss:	357.66	
						T. Loss	117.43	
						PGC Loss	28.90	2921.19
Loss(MU) & % Loss incl.PGCIL :					TOTAL		503.99	17.25%

FY 2012-13	Voltage	Feb-13	Voltage	Sales	LT	11kV	33kV	132kV
CPDCL	L.T.	8.70%	L.T.	1505.240	1648.67	1744.63	1815.43	1892.26
46.06%	11kV	5.50%	11kV	282.488		298.93	311.06	324.22
	33kV	3.90%	33kV	348.203			362.33	377.67
CGS (MU)	132kV	4.06%	132kV	275.392				287.05
525.05	PGCIL	4.98%	TOTAL	2411.323	1648.67	2043.56	2488.83	2881.19
% Loss up to said voltage :					8.70%	12.52%	14.18%	16.31%
						D. Loss:	352.89	
						T. Loss	116.98	
						PGC Loss	26.15	2907.34
Loss(MU) & % Loss incl.PGCIL :					TOTAL		496.02	17.06%

FY 2012-13	Voltage	Mar-13	Voltage	Sales	LT	11kV	33kV	132kV
CPDCL	L.T.	8.70%	L.T.	1722.275	1886.3912	1996.18	2077.19	2165.09
46.06%	11kV	5.50%	11kV	255.744		270.63	281.61	293.53
	33kV	3.90%	33kV	330.343			343.75	358.30
CGS (MU)	132kV	4.06%	132kV	239.997				250.15
547.92	PGCIL	4.98%	TOTAL	2548.359	1886.39	2266.81	2702.55	3067.07
% Loss up to said voltage :					8.70%	12.74%	14.59%	16.91%
						D. Loss:	394.19	
						T. Loss	124.52	
						PGC Loss	27.29	3094.36
Loss(MU) & % Loss incl.PGCIL :					TOTAL		546.00	17.65%

FY 2012-13	Voltage	3 Mnts	Voltage	Sales	LT	11kV	33kV	132kV
Yearly	L.T.	8.70%	L.T.	4763.919	5217.87	5521.56	5745.64	5988.78
46.06%	11kV	5.50%	11kV	809.317	-	856.42	891.18	928.89
	33kV	3.90%	33kV	1014.328	-	-	1055.49	1100.16
CGS (MU)	132kV	4.06%	132kV	789.319	-	-	-	822.72
1653.36	PGCIL	4.98%	TOTAL	7376.884	5217.87	6377.98	7692.31	8840.55
% Loss up to said voltage :					8.70%	12.62%	14.36%	16.56%
						D. Loss:	1104.74	
						T. Loss	358.93	
						PGC Loss	82.34	8922.89
Loss(MU) & % Loss incl.PGCIL :					TOTAL		1546.01	17.33%

POWER PURCHASE (IN MU) WITH Actual SALES, Adju Agrl. and Normative LOSSES
Power Purchase, Losses (MYT) & Sales (in MU) for 4th Qtr of FY 2012-13

FY 2012-13	Voltage	Jan-13	Voltage	Sales	LT	11kV	33kV	132kV
SPDCL	L.T.	6.30%	L.T.	876.12	935.03	976.53	1017.22	1060.27
22.27%	11kV	4.25%	11kV	100.12		104.57	108.92	113.53
	33kV	4.00%	33kV	105.65			110.05	114.71
CGS (MU)	132kV	4.06%	132kV	107.31				111.85
280.62	PGCIL	4.98%	TOTAL	1189.20	935.03	1081.10	1236.20	1400.36
% Loss up to said voltage :					6.30%	9.70%	12.48%	15.08%
						D. Loss:	154.30	
						T. Loss	56.85	
						PGC Loss	13.97	1414.33
Loss(MU) & % Loss incl.PGCIL					TOTAL	225.13	15.92%	

FY 2012-13	Voltage	Feb-13	Voltage	Sales	LT	11kV	33kV	132kV
SPDCL	L.T.	6.30%	L.T.	895.86	956.09	998.53	1040.13	1084.15
22.27%	11kV	4.25%	11kV	109.76		114.63	119.41	124.46
	33kV	4.00%	33kV	119.59			124.57	129.84
CGS (MU)	132kV	4.06%	132kV	117.70				122.68
253.86	PGCIL	4.98%	TOTAL	1242.91	956.09	1113.16	1284.12	1461.14
% Loss up to said voltage :					6.30%	9.66%	12.37%	14.94%
						D. Loss:	158.91	
						T. Loss	59.32	
						PGC Loss	12.64	1473.78
Loss(MU) & % Loss incl.PGCIL					TOTAL	230.87	15.67%	

FY 2012-13	Voltage	Mar-13	Voltage	Sales	LT	11kV	33kV	132kV
SPDCL	L.T.	6.30%	L.T.	1059.86	1131.121	1181.33	1230.55	1282.62
22.27%	11kV	4.25%	11kV	100.68		105.14	109.53	114.16
	33kV	4.00%	33kV	115.79			120.62	125.72
CGS (MU)	132kV	4.06%	132kV	119.73				124.80
264.92	PGCIL	4.98%	TOTAL	1396.06	1131.12	1286.47	1460.69	1647.30
% Loss up to said voltage :					6.30%	9.79%	12.62%	15.25%
						D. Loss:	184.36	
						T. Loss	66.88	
						PGC Loss	13.19	1660.50
Loss(MU) & % Loss incl.PGCIL					TOTAL	264.44	15.93%	

FY 2012-13	Voltage	3 Mnts	Voltage	Sales	LT	11kV	33kV	132kV
Yearly	L.T.	6.30%	L.T.	2831.84	3022.24	3156.39	3287.91	3427.04
22.27%	11kV	4.25%	11kV	310.56	0.00	324.34	337.86	352.16
	33kV	4.00%	33kV	341.03	0.00	0.00	355.24	370.28
CGS (MU)	132kV	4.06%	132kV	344.74	0.00	0.00	0.00	359.33
799.40	PGCIL	4.98%	TOTAL	3828.17	3022.24	3480.73	3981.01	4508.80
% Loss up to said voltage :					6.30%	9.72%	12.50%	15.10%
						D. Loss:	497.57	
						T. Loss	183.06	
						PGC Loss	39.81	4548.61
Loss(MU) & % Loss incl.PGCIL					TOTAL	720.44	15.84%	

POWER PURCHASE (IN MU) WITH Actual SALES, Adju Agrl. and Normative LOSSES
Power Purchase, Losses (MYT) & Sales (in MU) for 4th Qtr of FY 2012-13

FY 2012-13	Voltage	Jan-13	Voltage	Sales	LT	11kV	33kV	132kV
NPDCL	L.T.	7.40%	L.T.	691.35	746.60	781.78	814.36	848.82
15.87%	11kV	4.50%	11kV	95.03		99.50	103.65	108.03
	33kV	4.00%	33kV	20.57			21.42	22.33
CGS (MU)	132kV	4.06%	132kV	102.49				106.83
199.97	PGCIL	4.98%	TOTAL	909.43	746.60	881.28	939.43	1086.01
% Loss up to said voltage :						10.77%	14.10%	16.26%
						D. Loss:	132.48	
						T. Loss	44.09	
						PGC Loss	9.96	1095.97
Loss(MU) & % Loss incl.PGCII						TOTAL	186.53	17.02%

FY 2012-13	Voltage	Feb-13	Voltage	Sales	LT	11kV	33kV	132kV
NPDCL	L.T.	7.40%	L.T.	620.13	669.69	701.24	730.46	761.37
15.87%	11kV	4.50%	11kV	93.94		98.37	102.46	106.80
	33kV	4.00%	33kV	21.73			22.63	23.59
CGS (MU)	132kV	4.06%	132kV	100.64				104.90
180.90	PGCIL	4.98%	TOTAL	836.44	669.69	799.61	855.56	996.66
% Loss up to said voltage :						10.70%	14.00%	16.08%
						D. Loss:	119.76	
						T. Loss	40.46	
						PGC Loss	9.01	1005.67
Loss(MU) & % Loss incl.PGCII						TOTAL	169.23	16.83%

FY 2012-13	Voltage	Mar-13	Voltage	Sales	LT	11kV	33kV	132kV
NPDCL	L.T.	7.40%	L.T.	754.01	814.2653	852.63	888.16	925.75
15.87%	11kV	4.50%	11kV	90.39		94.65	98.60	102.77
	33kV	4.00%	33kV	20.22			21.06	21.95
CGS (MU)	132kV	4.06%	132kV	87.74				91.45
188.79	PGCIL	4.98%	TOTAL	952.36	814.27	947.29	1007.82	1141.91
% Loss up to said voltage :						10.86%	14.21%	16.60%
						D. Loss:	143.20	
						T. Loss	46.36	
						PGC Loss	9.40	1151.32
Loss(MU) & % Loss incl.PGCII						TOTAL	198.96	17.28%

FY 2012-13	Voltage	3 Mnts	Voltage	Sales	LT	11kV	33kV	132kV
Yearly	L.T.	7.40%	L.T.	2065.49	2230.55	2335.66	2432.98	2535.93
15.87%	11kV	4.50%	11kV	279.36	0.00	292.52	304.71	317.60
	33kV	4.00%	33kV	62.51	0.00	0.00	65.11	67.87
CGS (MU)	132kV	4.06%	132kV	290.87	0.00	0.00	0.00	303.18
569.67	PGCIL	4.98%	TOTAL	2698.23	2230.55	2628.18	2802.80	3224.59
% Loss up to said voltage :						10.78%	14.11%	16.32%
						D. Loss:	395.44	
						T. Loss	130.92	
						PGC Loss	28.37	3252.96
Loss(MU) & % Loss incl.PGCII						TOTAL	554.73	17.05%

POWER PURCHASE (IN MU) WITH Actual SALES, Adju Agrl. and Normative LOSSES
Power Purchase, Losses (MYT) & Sales (in MU) for 4th Qtr of FY 2012-13

FY 2012-13	Voltage	Jan-13	Voltage	Sales	LT	11kV	33kV	132kV
Combined	L.T.	7.37%	L.T.	3635.37	3924.67	4124.28	4290.85	4472.43
	11kV	4.89%	11kV	576.06	-	605.66	629.92	656.58
	33kV	3.87%	33kV	522.14	-	-	543.18	566.17
CGS (MU)	132kV	4.06%	132kV	700.38	-	-	-	730.02
1260.080	PGCIL	4.98%	TOTAL	5433.94	3924.67	4729.94	5463.96	6425.20
% Loss up to said voltage :						10.96%	13.37%	15.43%
D. Loss:						730.39		
T. Loss						260.86		
PGC Loss						62.75		6487.95
Loss(MU) & % Loss incl.PGCIL						TOTAL	1054.01	16.25%

FY 2012-13	Voltage	Feb-13	Voltage	Sales	LT	11kV	33kV	132kV
Combined	L.T.	7.35%	L.T.	3550.98	3832.85	4027.71	4190.30	4367.63
	11kV	4.88%	11kV	606.60	-	637.71	663.23	691.30
	33kV	3.88%	33kV	549.59	-	-	571.77	595.97
CGS (MU)	132kV	4.06%	132kV	697.68	-	-	-	727.20
1139.917	PGCIL	4.98%	TOTAL	5404.84	3832.85	4665.41	5425.30	6382.09
% Loss up to said voltage :						10.89%	13.24%	15.31%
D. Loss:						718.14		
T. Loss						259.11		
PGC Loss						56.77		6438.86
Loss(MU) & % Loss incl.PGCIL						TOTAL	1034.02	16.06%

FY 2012-13	Voltage	Mar-13	Voltage	Sales	LT	11kV	33kV	132kV
Combined	L.T.	7.37%	L.T.	4089.89	4415.47	4639.87	4827.55	5031.84
	11kV	4.87%	11kV	556.69	-	585.21	608.64	634.40
	33kV	3.88%	33kV	526.83	-	-	548.08	571.27
CGS (MU)	132kV	4.06%	132kV	635.41	-	-	-	662.30
1189.578	PGCIL	4.98%	TOTAL	5808.83	4415.47	5225.07	5984.27	6899.81
% Loss up to said voltage :						11.07%	13.55%	15.81%
D. Loss:						810.85		
T. Loss						280.13		
PGC Loss						59.24		6959.05
Loss(MU) & % Loss incl.PGCIL						TOTAL	1150.22	16.53%

FY 2012-13	Voltage	3 Mnts	Voltage	Sales	LT	11kV	33kV	132kV
Yearly	L.T.	7.37%	L.T.	11276.25	12172.99	12791.86	13308.70	13871.90
	11kV	4.88%	11kV	1739.35	0.00	1828.57	1901.80	1982.28
	33kV	3.88%	33kV	1598.56	0.00	0.00	1663.03	1733.41
CGS (MU)	132kV	4.06%	132kV	2033.47	0.00	0.00	0.00	2119.52
3589.575	PGCIL	4.98%	TOTAL	16647.62	12172.99	14620.43	16873.53	19707.10
% Loss up to said voltage :						10.98%	0.00%	15.52%
D. Loss:						2259.38		
T. Loss						800.11		
PGC Loss						178.76		19885.86
Loss(MU) & % Loss incl.PGCIL						TOTAL	3238.25	16.28%