



**ANDHRA PRADESH
ELECTRICITY REGULATORY COMMISSION**

TARIFF ORDER

on

Retail Supply Business for the FY 2007-08

of

CENTRAL POWER DISTRIBUTION COMPANY OF A P LTD
EASTERN POWER DISTRIBUTION COMPANY OF A P LTD
NORTHERN POWER DISTRIBUTION COMPANY OF A P LTD
and
SOUTHERN POWER DISTRIBUTION COMPANY OF A P LTD

20th March 2007

Singareni Bhavan, Red Hills, Lakdi-ka-pool
Hyderabad - 500 004

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ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
Hyderabad

Present
Sri. K. Swaminathan, Chairman
Sri. Surinder Pal, Member
Sri R.Radha Kishen, Member

Dated: 20-03-2007

O.P No.33 of 2006

Central Power Distribution Company
of Andhra Pradesh Limited

and

O.P No. 34 of 2006

Eastern Power Distribution Company
of Andhra Pradesh Limited

and

O.P No.35 of 2006

Northern Power Distribution Company
of Andhra Pradesh Limited

and

O.P No.36 of 2006

Southern Power Distribution Company
of Andhra Pradesh Limited

...Applicants

These came up for public hearings before several consumers, the representatives of various consumer organizations, political parties and other stakeholders, on 23.01.2007 at Guntur (O.P.No.36 of 2006), on 24.01.2007 at Eluru (O.P.No.34 of 2006), on 27.01.2007 at Sangareddy (O.P.No.33 of 2006), on 29.01.2007 at Nizamabad (O.P.No.35 of 2006), and a video conference (all the O.Ps) between the Commission at the State Government Secretariat, Hyderabad, and the Applicants and the consumers, representatives of consumer organizations, etc., at District Collectorates in the State, on 31.01.2007, and having stood over for consideration till this day, the Commission passed the following common

O R D E R

CHAPTER - I INTRODUCTION

1. The Electricity Act 2003 (Act 36 of 2003), hereinafter called "the Central Act", came into force with effect from 10-06-2003. While the previous Acts governing the electricity supply in the country Viz., the Indian Electricity Act 1910 (9 of 1910), the Electricity (Supply) Act, 1948 (54 of 1948) and the Electricity Regulatory Commissions Act 1998 (14 of 1998) stand repealed as on the date of this order, the provisions of A.P. Electricity Reform Act 1998 (hereinafter called 'the Reform Act'), not inconsistent with the provisions of the Central Act, continue to apply to the State of Andhra Pradesh (A.P.).

2. The four Distribution Companies (hereinafter referred to as the 'distribution licensees' or 'DISCOMs') namely, the Eastern Power Distribution Company of A.P Limited (hereinafter, 'APEPDCL' or 'EPDCL'), the Central Power Distribution Company of A.P Limited (APCPDCL / CPDCL), the Northern Power Distribution Company of A.P Limited (APNPDCL / NPDCL), and the Southern Power Distribution Company of A.P Limited (APSPDCL / SPDCL), are the holders of Distribution and Retail Supply Licences (Licences No.12/2000, 13/2000, 14/2000 and 15/2000, respectively) to carry out the distribution business and the retail supply businesses in their respective areas of Andhra Pradesh for a period of 30 years from 01-04-2001.

3. Each licensee was earlier obliged to file, in terms of Sections 62 and 64 of the Central Act, read with Andhra Pradesh Electricity Regulatory Commission (Conduct of Business) Regulations 1999 as adopted by the Andhra Pradesh Electricity Regulatory Commission (Transitory Provisions for Determination of Tariff) Regulation 2004 (No.9 of 2004), the Guidelines for Revenue and Tariff Filings framed by the Commission and the provisions of the licence, its calculations

related to each licenced business for the ensuing financial year regarding (i) its expected aggregate revenue from charges under its currently approved tariff; (ii) its expected cost of service; and (iii) its expected revenue gap (if any) and a general explanation on how it proposes to deal with the revenue gap and the application for tariffs for the ensuing financial year.

4. From the year 2006-07 onwards, however, the Commission, decided to go in for a multi-year tariff framework and accordingly notified, on 14.11.2005, the APERC (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (Regulation No.4 of 2005) (hereinafter referred to as the “W&RST Regulation”). Under this Regulation, each distribution licensee has to make the filings as hithertofore, but in respect of the distribution business, for a control period, generally of 5 years, the first control period, however, being of a 3-year duration (2006-07 to 2008-09). The filings for the retail supply business shall, however, be on annual basis, for the first control period and thereafter for the entire Control Period for the subsequent control periods. Accordingly, the Commission issued its Order on Distribution Tariffs for the first control period (2006-07 to 2008-09) and the Retail Supply Tariffs for the year 2006-07 on 23rd March 2006 in O.Ps.No.2, 3, 4 and 5 of 2006.
5. For the year 2007-08, each of the four Distribution Companies submitted its filings for its Aggregate Revenue Requirement (ARR) and application for Tariffs for retail supply business on 30.11.2006, as provided for in the W&RST Regulation. Thus, the Commission has to determine the tariffs for retail supply of electricity (hereinafter the ‘Retail Supply Tariff’ or ‘RST’) for FY 2007-08, based on those filings and after considering the objections/suggestions received/heard from general public and all other stakeholders, thereon.

6. Under section 61 of the Electricity Act, 2003, while specifying the terms and conditions for determination of tariff, the Commission has to be guided inter-alia by the provisions of clauses (a) to (i) thereof. One of these provisions refers to the Tariff Policy, which was since notified by the Central Government on the 6th of January 2006. Certain follow-up actions like, approach to 'distribution margin', rates of depreciation, development of operating norms, etc., for the guidance of State Commissions are yet to be taken by CERC and / or Forum of Regulators. Nevertheless, the Commission in determination of tariffs and in issuing this Order has paid due regard, to the extent possible, to the Tariff Policy. The Commission will be taking further action required of it under the Tariff Policy in due course of time.

CHAPTER - II

FILING OF ARR / TARIFF PROPOSALS

7. Each of the four Distribution Companies viz., APCPDCL, APEPDCL, APNPDCL and APSPDCL the Distribution and Retail Supply Licensees (hereinafter referred to as the 'DISCOMs'), filed their Expected revenue from existing charges (ERC), Aggregate Revenue Requirement (ARR), and tariff proposals with the APERC on 30-11-2006 for their Retail Supply Business for FY 2007-08. These filings were taken on record by the Commission.

8. Apart from the aforementioned written filings made under affidavits by CMDs of respective DISCOMs, the Commission also introduced, on a pilot basis, the concept of e-filing of ARRs/ERCs and also the objections thereupon by general public and other stakeholders. The DISCOMs made their e-filings on 30-11-2006. These filings as well as the objections received from public through e-mail along with the scanned copies of written objections/suggestions received pursuant to the public notice referred to in para 9, have been displayed in the e-filing window of the Commission's website (www.ercap.org → E-Filing).

Public Notice calling for objections/suggestions

9. The DISCOMs were directed to serve public notices through publication, on 03-12-2006, which was later changed to 11-12-2006, at the request of the DISCOMs, who sought postponement in view of the by-elections in some constituents. The DISCOMs were directed to publish the notices, in at least two daily newspapers in English and two in Telugu having circulation in their respective areas informing the general public that they had filed their respective ARR and Tariff proposals for FY 2007-08 in respect of retail sale of electricity, with the Andhra Pradesh Electricity Regulatory Commission (hereinafter referred to as "the Commission" or "APERC"), and that copies of the filings (together with supporting materials) were available in the

offices of the Chief General Manager, RAC, of the DISCOMs with headquarters at Hyderabad (APCPDCL - O.P.No.33 of 2006), Visakhapatnam (APEPDCL - O.P.No.34 of 2006), Warangal (APNPDCL - O.P.No.35 of 2006) and Tirupathi (APSPDCL - O.P.No.36 of 2006) and all Superintending Engineers incharge of Operation Circles, for inspection/perusal/purchase by interested persons and that objections/ suggestions could be filed on these proposals with the Secretary, APERC, by 08-01-2007.

10. The Commission also directed the DISCOMs vide its letter dated 18-12-2006 to send replies to all the public objections by 15-01-2007 and also supply a copy of the same to the objector by the same date.

Objections/suggestions received

11. Following the public notice, 120 persons / organisations sent their objections/suggestions to Secretary, APERC, on the ARR/Tariff proposals of DISCOMs by due date i.e., 08-01-2007 and another 12 thereafter, up to 10-01-2007, raising the number of those responding to the public notice to 132.
12. The schedule of public hearings as follows was communicated to the four DISCOMs and the GoAP on 18-12-2006. A press release was also issued on 19-12-2006 so as to enable the public to know of the schedule and the place/venue of the public hearings:

Programme of public hearings on ARR/Tariff filings by Licensees

Table 1 : Public Hearings

Date	Place of hearing	Time	Venue	Licensee (s) on whose filings the hearings were scheduled
23-01-2007	Guntur	10.30 a.m. to 1.30 p.m. and 2.30 p.m. to 5.00 p.m.	SVR Kalyana Mandapam, Guntur	APSPDCL
24-01-2007	Eluru	10.30 a.m. to 1.30 p.m. and 2.30 p.m. to 5.00 p.m.	C.R. Reddy College Auditorium, Eluru	APEPDCL
27-01-2007	Sanga Reddy	10.30 a.m. to 1.30 p.m. and 2.30 p.m. to 5.00 p.m.	Velugu office building, Sangareddy	APCPDCL
29-01-2007	Nizamabad	10.30 a.m. to 1.30 p.m. and 2.30 p.m. to 5.00 p.m.	Pragathi Bhavan at Collector's office premises, Nizamabad	APNPDCL

13. All persons who had expressed their desire to be heard in person were also intimated in writing the dates on which they would be heard. General public were again informed of the dates of public hearings through a press release on 18-01-2007. At the hearings, some persons / organizations who had not earlier requested for being heard in person, were also accommodated. Some of the persons who sought to be heard at a later stage participated in the Video Conference conducted on 31-01-2007.
14. The Licensee-wise break-up of objections / suggestions received and, the number of objectors desiring to be heard in person are indicated hereunder:

Table 2 : Number of objections / suggestions received on ARR / Tariff filings

Name of the Licensee	Number of objections received	Number of objectors				Total No. of objectors heard
		desiring to be heard	actually heard at the public hearings		heard through Video Conference	
(1)	(2)	(3)	(4) *	(5) **	(6)	(7)
APCPDCL	22	18	12	5	17	34
APEPDCL	29	25	21	6	18	45
APNPDCL	23	16	4	1	6	11
APSPDCL	58	50	16	10	12	38
Total	132	109	53	22	53	128

* - Out of Column (3)

** - As per requests at the venue of hearing.

The list of objectors is available at **Annexure - J**.

Hearings

15. During the hearings,
 - (i) the licensees made brief opening presentations at the commencement of the public hearings on their respective filings;
 - (ii) then, the Commission heard all the objectors desiring to be heard in person;
 - (iii) next, the Staff of the Commission made presentations on the issues and concerns relating to the filings of respective licensees; and
 - (iv) the respective licensees responded to the issues raised by the objectors during the hearing, and to the presentations made by the Commission Staff.

16. The Joint Secretary to Government, Energy Department, Government of Andhra Pradesh (GoAP), made a statement before the Commission during the hearing on the filings of APCPDCL at Sanga Reddy on 27-01-2007, expressing the views of Government on various aspects like accomplishments of AP Power Sector, Government's commitment

to provide quality and un-interrupted power supply to consumers particularly in Rural areas, seven-hour supply to Agriculture, electrification of Rural households, Industrial Development, reiteration of commitment to provide necessary financial assistance as needed by the Sector and the subsidy to the utilities as per Section 65 of the Electricity Act, 2003.

17. Many important issues relating to the ARR/Tariff proposals of Licensees were discussed in the State Advisory Committee (SAC) meeting held on 12-02-2007 and suggestions made by the members of SAC have been taken into consideration by the Commission while finalising this Tariff Order.

CHAPTER - III
IMPORTANT ISSUES RAISED IN OBJECTIONS/ SUGGESTIONS
FILED AND DURING PUBLIC HEARINGS AND REPLIES
THERETO BY DISCOMS

Issues relating to all DISCOMs

18. Issue 1: Deficiencies in ARR Filings:

(a). The information provided by the Licensees in the filings is not comprehensive in respect of performance of licensees. This deficiency may be due to the possible change of guidelines by the Commission on the filings. The Commission has to formulate the guidelines from the viewpoint of ordinary consumers. As the Transmission costs and Distribution costs are already decided in the MYT orders, and power purchase costs are to be decided as per already-approved PPAs, the filings are devoid of any substance in the absence of data on performance of the licensees and would amount to a futile exercise.

DISCOMs: All necessary information is being provided and it is sufficient to analyze the ARR proposals. Further, the filing is as per MYT Guidelines. As regards the progress in implementation of standards of performance stipulated by the APERC, it is being furnished to the APERC for scrutiny and it is understood that the APERC is going to post the reports on its website shortly for public information.

- (b).** The information stated to be wanting in the filings:
- i. Compensation paid by the Licensees to the consumers for deficiency of service as per the Regulation of the Commission.
 - ii. Details of electrical accidents and ex-gratia paid, if any during previous year and current year.

- iii. Replacement of burnt transformers, installation of additional transformers.
- iv. Number of burnt-out, non-functioning or faulty meters (category-wise and circle-wise)
- v. Performance with regard to attending to fuse-off calls.
- vi. Breakdowns and interruptions in power supply to urban and rural consumers (circle-wise) and time taken for restoration.
- vii. Frequency and voltage at various levels of interface over the period.
- viii. Pending applications and connections released to different categories of consumers.
- ix. Arrears of consumers over Rs.50,000 pending for over six months and details of bad debts written off.
- x. Court cases involving the Licensee and steps being taken to resolve them
- xi. Number of cases filed against pilferers of power in various categories giving comparative picture with previous years.
- xii. Compliance with directives issued by the Commission in the Tariff Orders.
- xiii. Investment details, including capital expenditure on system improvement, HVDS and RGGVY.

DISCOMs: The information sought for has been furnished to the objector concerned along with Annexures containing the details of No. of cases in which compensation was paid, No. of accidents in past 3 years, No. of court cases pending, No. of cases filed against pilferage, No. of new connections released, etc.

19. Issue 2: Fixed costs for the FY 2006-07:

The Commission allowed Rs.141.49 crs towards fixed costs of RTPP Stage-II, Rs.169.21 crs towards fixed costs of the four new gas-based projects and another Rs.30.94 crs towards incentive for GVK and

Spectrum gas plants. As generation from these plants is not likely to materialize, these amounts be deducted from the current year power purchase costs

DISCOMs: This is subject to orders by Commission (CPDCL). The Licensees will abide by the decision of the Hon'ble Commission (NPDCL).

20. **Issue 3: Revenue deficit for current year:**

The four DISCOMs put together have shown a net gap of Rs.593 crs for current year (2006-07) and also sought true-up to the extent of Rs.163 crs towards PGCIL costs, PGCIL losses and shortfall in non-tariff income, as being un-controllable costs. Such un-realistic and excessive projection of estimates by DISCOMs for reducing the revenue gap will only result in carry forward of such deficits to the future years. The DISCOMs and the Commission ought to be realistic in their estimates.

DISCOMs: In its ARR filing, the DISCOMs have estimated sales based on actuals of FY 2005-06 and first half (i.e. 6 months) of FY 2006-07. All the estimations of the ARR are in line with the APERC Regulation No. 4 of 2005 and are also at an achievable level.

21. **Issue 4: Fuel Surcharge Adjustment for current year(2006-07):**

It is strange that the DISCOMs are seeking special appropriation of the estimated savings of Rs.235 crores in power purchase cost of 2006-07, in 2007-08. These savings be returned to the consumers through FSA in 2006-07 itself by adjustment in the C.C.(Current Consumption) bills.

DISCOMs: As per the MYT Regulation (No.4 of 2005), the losses and gains in the un-controllable items are a pass-through in the ARR of the succeeding year. Since the power purchase cost is an un-

controllable item, its adjustment through special appropriation is reasonable. However, the actual extent of appropriation would only be known towards end of the current year.

22. Issue 5: New Gas based projects - 2007-08:

In view of the non-availability of gas, and as the energy expected from the 4 new gas based plants can be made available from the already running plants, the Commission may not allow dispatch of these 4 new gas plants in 2007-08, so that about Rs.266 crores of fixed costs can be saved. The ARR is also not clear on issues related to the new plants. It does not explain the basis on which the quantum of power purchase from these plants and fixed cost payment is to be made.

DISCOMs: This is subject to orders by Commission following due procedures.

23. Issue 6: NCE Projects:

(a). Clean Development Mechanism (CDM)

The Clean Development Mechanism (CDM) benefits availed of by the NCE project developers should be passed on to the consumers. The list of such developers who are receiving CDM credits should be furnished.

DISCOMs: Carbon trading was not envisaged in the PPAs. Further, no information is available about the NCE developers who are receiving the CDM credits.

(b). Status of RPPO Order Compliance:

The status of compliance with the Renewable Power Purchase Obligation (RPPO) Order dated 27-09-2005 of the Commission by the DISCOMs and the progress in negotiations with Developers of new NCE projects for reduction of tariff as the Commission has clarified in the said Order that the tariffs fixed earlier are only upper limits.

DISCOMs: The total NCE purchase as a percentage of entire power purchase is about 4.24% in the State. To equally distribute the power purchase cost among all the DISCOMs, the Hon'ble APERC in their Tariff Order for FY 2006-07 have directed that the NCE-deficit DISCOMs should pay the cost differential to NCE-surplus DISCOMs. In line with the direction contained in the Tariff Order, the DISCOMs have proposed the NCE cost adjustment for the ensuing year also.

As regards negotiation of Tariffs, the PPAs are being entered into after negotiation of Tariff and consent of Hon'ble Commission is being obtained (CPDCL, SPDCL).

24. Issue 7: Trading function:

Separation of trading function from APTRANSCO under the Electricity Act 2003, has created problems of coordination among power distribution / trading at State level, which could be solved by setting up a trading company at State level as done in Orissa.

DISCOMs: Already, a state level committee i.e., APPCC, is there to take care of such coordination problems.

25. Issue 8: APGENCO Issues:

(a). RTPP Stage - I:

During the ensuing year, the RTPP Stage - I is to back down for 7 months as per the merit order. How can this plant of 500 MW capacity located in the area known for low quality of power, be kept idle? Other costs like line losses in wheeling power from distant power stations need also to be factored in deciding the merit order. Full capacity of RTPP can be used for giving 24-hour supply to rural areas.

DISCOMs: The procedure for backing down of generators follows a

definite logic and has been arrived at after thorough discussion. The Licensees will abide by the decision of Hon'ble Commission.

(b). Hydro Generation:

There is no explanation for increase in variable cost of APGENCO from 11 p/unit in 2006-07 to 23 p/unit in 2007-08, without any change in the quantum of power from Hydro sources.

DISCOMs: The cost of power provided by APGENCO has been used for determining the power purchase cost. In the ensuing year, certain payments are projected for SLBPH on account of energy charges. This may result in increased variable cost.

(c). Variable pooled cost:

Insistence on station-wise PPAs is not in the interest of either APGENCO or DISCOMs and it is desirable to consider pooled variable cost of thermal stations of APGENCO for merit order operation in the interest of overall efficient operation of A.P. power system.

DISCOMs: The Licensee disagrees with this averment (CPDCL).

(d). SLBPH:

Srisailem Left Bank Power House (SLBPH) should also be treated as part of the composite PPA between APGENCO and DISCOMs to enable APGENCO to earn return and service its debts apart from getting the required depreciation.

DISCOMs: This is under examination by the Hon'ble Commission and the Licensees will abide by the decision of the Hon'ble Commission.

(e). Wage revision:

Every year APGENCO is incurring additional expenditure over and above the O&M costs allowed by APERC mainly due to rejection of wage revision. The Hon'ble Commission may consider the cost of pay

revision while fixing the base O & M expenditure for 2007-08.

DISCOMs: The Licensee disagrees with this averment (CPDCL).

(f). Level playing field:

To provide APGENCO with a level playing field vis-à-vis the IPPs, the former should be allowed financial parameters and incentive on par with the latter to make it financially viable so as to take up new projects.

DISCOMs: The Licensee does not agree that any undue benefit is shown to any organization (CPDCL).

(g). Fixed costs:

APGENCO on its own has stated that it has filed amended application (in O.P.No.27 of 2006) for determination of tariff for 2006-07 which is pending with the Commission and that the application for 2007-08 was also being filed. It has stated that the amount Rs.1284.34 crs considered by DISCOMs in 2007-08 filings is abysmally low and requested the Commission to make necessary and sufficient provisions while deciding the ARR of DISCOMs so that APGENCO is not prejudiced in any way.

DISCOMs: In the counter filed on APGENCO petition, the DISCOMs computed fixed costs based on APERC order dated 24-03-2003 and CERC notification dated 26-03-2000 as Rs. 1311.93 Crs for 2006-07. Accordingly the fixed cost for existing stations of APGENCO for 2007-08 is arrived at Rs. 1284.34 Crs. In addition, the fixed cost arrived for RTPP stage-II is Rs. 322 Crs. Thus the total fixed cost is Rs. 1606.34 Crs. for 2007-08.

(h).Public hearing on APGENCO filings:

Conduct public hearing on the fixed costs claimed by APGENCO in O.P.No.27 of 2006 and to specify the allowable fixed costs along with the Retail Supply Tariff Order for 2007-08. A long-term PPA between

APGENCO and DISCOMs is essential to facilitate smooth transactions between them.

DISCOMs: This is in the purview of APERC.

Issues concerning Agricultural Supply:

26. Issue 9: DSM Measures:

(a). It is very difficult for all the 23 lakh motors to be replaced by ISI motors. As the farmers have no financial capacity to bear the cost of such replacement, the Government should bear 100% cost instead of 80% proposed earlier. Replacement of iron pipes with HDPE pipes may not be insisted upon as the saving in energy is only marginal (1.6%) and may not justify the capital investment required for such replacement.

(b). Whether locally-repaired ISI motors (after installation) would be considered as ISI motors.

DISCOMs:

(a). The DSM measures are to be implemented as per the policy of State Government. A pilot project is under implementation in CPDCL.

(b). The ISI motors burnt and rewound will be considered as ISI motors.

27. Issue 10: Release of new Agricultural connections:

The farmers permitted under Walta Act only are entitled to dig wells and such wells only should be given new connections, without DSM measures or meters.

DISCOMs: Government Policy and Commission's directive as in force will be implemented by the DISCOMs. Free power is given as per the seniority list for the quotas allotted by the Government, and for those who comply with DSM measures.

28. Issue 11: Regularisation of un-authorized Agricultural connections:

Though the State Government assured to regularize un-authorized Agricultural connections and the DISCOMs have declared that there are 3.2 lakh un-authorized connections, they have not regularized any connection so far.

DISCOMs: The unauthorized connections are being regularized as per the quota decided by the Government.

29. Issue 12

(a) Smithy and Carpentry units (below 10 HP load):

Smithy and carpentry may be recognized as Agro-based domestic Industry with tariff at 90 p/unit for connected load up to 10 HP, as in the case of pisci and prawn culture units of below 10 HP under LT Category - III (A).

(b) Engineering and Iron Works - Small Units:

Small Engineering and Iron Works up to 10 HP may be classified under LT Category - IV, Cottage Industry.

DISCOMs: Historically, industries with contracted load up to 5 HP are categorized as cottage industries and billed under Cat-IV. DISCOM opposes any move to increase the said limit (CPDCL). The issue comes under the purview of the Hon'ble Commission (EPDCL). As per the existing Tariff Order, these units cannot be classified under category-IV. In case the proposal is considered, the additional burden on NPDCL should be met by increase in tariff elsewhere or the Licensee will incur losses. The Licensee will implement the orders of Hon'ble Commission.

30. **Issue 13: Implementation problems relating to Cottage Industries:**

(a). Instructions to field officers:

Though the Commission has classified smithy, carpentry, Silpi and goldsmithy under LT Category - IV, the field staff are not aware of this change in classification and hence these consumers are facing hardship. Hence DISCOMs may be directed to issue necessary instructions to field staff. The field officers are not able to decide on the eligibility of LT Category - IV due to lack of clarity and different officers are treating such consumers differently.

DISCOMs: This is already being done. The GTCS (General Terms and Conditions of Supply) is being followed in this regard (CPDCL). The Tariff applicable to different categories is published in the newspapers and the printed Tariff Order books are available at the concerned Section Offices and EROs of the DISCOM (EPDCL). The Licensee does not agree with above contention. The copies of the instructions issued by NPDCL are furnished to the objector along with the reply. The consumer has to pay Rs.150/- towards inspection / supervision charges. Action will be taken to convert the category if application is given, either in the Section Office or the Customer Service Centre along with Demand Draft for Rs.150/- (NPDCL).

(b). Welding units in Smithy:

Modern welding units are not being treated as equivalent to furnace of the Smithy and the welding unit are not classified under LT Category - IV.

DISCOMs: We do not agree with this proposed change (CPDCL).The issue of treatment of welding sets under smithy comes under the purview of the Hon'ble Commission (EPDCL).Hon'ble Commission had examined this matter earlier and the view of the Hon'ble Commission (not acceding to the request) is there in para 204 of the Tariff Order for 2006-07.

31. **Issue 14: Engineering and Iron Works - conversion to 3-phase:**
Most of the small Engineering and Iron works are availing single-phase supply LT category - II. Such services be converted to LT Category - III with 3-phase supply, without development charges.

DISCOMs: The GTCS (General Terms and Conditions of Supply) is being followed in this regard (CPDCL). The development charges are collected from consumers based on the Regulation issued by the Hon'ble Commission (EPDCL).

32. **Issue 15: Pending court cases:**
There are many cases pending in different courts, the steps taken by the DISCOMs to get the hearings expedited, may be indicated.

DISCOMs: 35 cases on wheeling charges (against Commission's order dated 07-07-2003) are pending in Supreme Court; 33 and 18 cases are pending in Appellate Tribunal for electricity (ATE), against Tariff Orders for 2004-05 and 2006-07 respectively.

However, efforts are being made to accelerate disposal of the cases through a senior advocate.

33. **Issue 16: Arrears pertaining to Government Departments, etc:**
Whether the DISCOMs are collecting delayed payment surcharge for the centralized payments made by the State Government on behalf of Government Departments and local bodies, etc.

DISCOMs: The surcharge is not exempted even in respect of centralized payments made by the State Government on behalf of local bodies. The details of accumulated arrears as on 31-03-2006 and 30-09-2006 are furnished to the objector.

34. **Issue 17: Safety measures:**

What are the details of safety measures undertaken by DISCOMs pursuant to the directive of the Commission and allotment of Rs.5 crs (paras 186 and 365 of Commission's Order on Retail Supply Tariffs for 2006-07 refer) to take up measures for preventing electrical accidents?

DISCOMs: Safety kits are being procured for all O & M Staffs as per allocation of the Hon'ble Commission. Other measures taken are to provide earthing to equipment, use of standard electrical materials, providing fencing to DTRs, replacement of damaged poles and conductors. Wide publicity is given through pamphlets, cinema slides etc.

35. **Issue 18: Accidents - Compensation:**

The default of the licensees in not complying with the directives of the Commission in para 186 of the Tariff Order 2006-07 and licensees have not finalized the action plan to comply to the safety standards and procedure for payment of compensation. The data on accidents for the 2006-07 and compensation for last 2 years may be provided. Compensation of Rs. 2 or 3 lakhs for victims met with fatal accidents and Rs. 25 thousand for animals met with fatal accidents should be paid.

DISCOMs: The issue is under consideration of DISCOMs. At present Rs. 20,000/- per adult, Rs. 10,000/- per child and Rs. 1,000/- per cattle is being paid as compensation. The data is furnished to the objectors as desired.

36. **Issue 19: Quality Assurance:**

What are the observations of the Quality Control Cells on the quality standards of the capital works executed under HVDS and SI (system

improvement) schemes etc., the action on these observations and the remedial measures taken?

DISCOMs: Inspection of works is being done regularly by the departmental staff of quality control wings of DISCOMs. In some areas, outsourcing is also done. As and when defects are found, the same are got rectified and thus care is being taken to maintain standards regarding quality of works.

37. **Issue 20: Filling up of vacant posts:**

The quality of service and misuse of electricity in rural areas is directly attributable to non-filling up of the vacant posts. While the misuse of energy would be of the order of Rs.1000 crs, the cost of filling up of the vacant posts would not be more than Rs.100 crs. The Commission may direct the Licensee to fill up the vacant posts.

DISCOMs: The vacant posts are being filled up.

38. **Issue 21: 24-hour supply to rural areas:**

Rural areas should also be given 24-hr supply on par with urban areas as the same tariffs are charges for both the areas. While the Commission made an observation in para 248 of the Tariff order for 2005-06 regarding arrangements for 24-hr supply to villages, hundreds of villages are not getting even 3-hr to 4-hr supply. The Commission should issue directives for a survey on the power supply to the rural areas to improve the power supply position for Rural and agro-based industries.

DISCOMs: Efforts are being made to ensure 24-hr supply to rural areas. DISCOMs will implement the Government policy and Commission directives in this regard.

39. **Issue 22: Agricultural supply hours:**

Agriculture consumers should be given 7 to 9 hours' supply,

continuously and during daytime. Some objectors have suggested that 20-hr off-peak supply from 10 PM to 6 PM (the following day) may also be considered. The timings should be published and also displayed at the substations.

DISCOMs: Power supply is being given for 7 hours per day considering orders of Government, in two shifts during the day and the night, depending on variations in generation and consumption.

Issues relating to APCPDCL

Issues concerning Agricultural Supply:

40. **Issue 1: Agricultural consumption:**

(a). There is an increase of 12.6% for 2005-06 and 20.5% for 2006-07, in the agricultural consumption from the levels approved by the Commission, and a further increase of 2.77% for 2007-08 over the estimate of 2006-07. CPDCL is not furnishing the procedure how the estimate is arrived at. Considering the energy loss levels of the extent of 45% even in the parts of Hyderabad city where there are no agricultural services, the increase projected by CPDCL in agricultural consumption is not believable in the absence of comprehensive data of all the metered DTRs for the 12 consecutive months.

What are the steps taken by the DISCOM to increase the ratio of valid DTR LV meters to total metered DTRs, to 50% for CPDCL, SPDCL and NPDCL and 60% for EPDCL as directed by the Commission in the Tariff Order of March 2006? Also, what is the consumption pattern in the metered new agricultural connections and an analysis of variations between such metered services and un-metered services? All the DTRs should be metered so as to have perfect energy balancing.

CPDCL: The APCPDCL is following the methodology approved by APERC to assess the agriculture consumption.

The factors leading to additional consumption in Agriculture are (i) As

the groundwater levels improved, more land has come under cultivation; (ii) In spite of repeated requests by the government, farmers are not opting for ID crops and (iii) usage of substandard (non-ISI) motors, rewind motors, etc.

The number of Agricultural DTRs in the DISCOM is 79507. Of these, meters were provided to 6277 Nos., for sampling, out of which 5099 Nos. meters are in working condition.

(b). Procedure for estimation of agricultural consumption:

The procedure adopted for arriving at the Agricultural consumption is not clear. Details like number of pumpsets, connected load and consumption separately for Tatkal, IT assesses and others need to be made available.

CPDCL: Projection of Agricultural consumption is made as per the methodology prescribed by the Hon'ble APERC in which 12 months' continuous readings of LV DTR meters are considered, apart from consumption under Tatkal scheme.

(c). Whether reduction on account of installation of capacitors was considered in the estimate?

CPDCL: 812795 Nos. Agricultural pumpsets are in service (as per the billing data) with a total connected load of 38,89,624 HP as on 31-12-2006. Capacitors are installed for 93% of the Agricultural pump sets

41. Issue 2: Metering of Agricultural Services:

Progress of fixing the meters for Agricultural Services by March 2008 as directed by the Commission under Section 55 of the Electricity Act, 2003, and the average specific consumption per HP.

CPDCL: Action plan approved by the Hon'ble Commission for completion of metering of all Agricultural Services by 31-03-2008 is

under execution. Out of 812795 Nos. Agricultural Services, 29534 are metered and the average specific consumption per HP is 149.2 units/month/HP.

42. **Issue 3: Supply for paddy in Rabi:**

Free supply for paddy in Rabi crop should not be denied. Farmers use seven hours' supply even for alternate crops.

CPDCL: DISCOM is certainly supplying the required quantum of power.

43. **Issue 4: Segregation of Rural Feeders:**

What is the status of separation of Rural Feeders, i.e., segregation of Agricultural loads from village loads to facilitate 24-hr supply to villages.

CPDCL:

- a. Total number of 11 kV feeders in CPDCL is 3898.
- b. Total number of rural feeders in CPDCL is 2213.
- c. Out of 2213 rural feeders 2205 are provided with single-phasing arrangement and out of 311 Mandal headquarters feeders 301 feeders have been separated from agricultural.
- d. 3889 feeders are metered and 3802 meters are working.
- e. Segregation of balance rural feeders will be completed by February 2007.

Tariff - related issues:

44. **Issue 5: Domestic Tariffs:**

The tariff for Domestic category is very high at the higher slabs and requires reduction thereof.

CPDCL: No specific reply.

45. **Issue 6: Ferro Alloys Units:**

Ferro Alloys Units have requested that (i) In place of 85% LF condition, 550.8 kWh/kVA/month may be considered as consumption

per month; (ii) either the contracted maximum demand (CMD) or highest of recorded MD whichever is higher, in all months in a year may be considered on weighted average basis and may be considered as recorded maximum demand for calculation of deemed consumption.

CPDCL: The 85% LF stipulation is an inherent feature of the tariff designed for Ferro alloys industry by APERC, as per the requests made to APERC by the Ferro alloys industry.

46. Issue 7: Railway Traction Tariff:

(a). The South Central Railways have requested for reduction of Railway Traction Tariff on the following grounds:

- Tariff of 420 paise / unit is unreasonable when compared to the power purchase cost of Rs.1.72/unit.
- Cost-to-Serve of Railway Traction has reduced by 6.42% in CPDCL (Min) and by 16.52% in NPDCL (Max) and such reduction is not passed on to the Railways. The tariff is to be reduced from 420 p/unit to 392 p/unit.

CPDCL: The tariff for Railways has not been increased for the last 5 years. In fact, the tariff was reduced by 10 paise / kWh each in 2003-04 and 2004-05 and 20 paise/kWh in 2006-07. The petitioner will appreciate that the licensees have to balance their own finances while rationalizing tariffs. Cost-to-serve for each category of consumer is based on approved embedded cost. No increase in the tariff in real terms is in itself reduction in tariff because the impact of inflation is not passed on to the Railways.

(b). Transmission losses have been reduced from 4% in 2006-07 to 3.8% for 2007-08. This benefit is not passed on to Railways.

CPDCL: The reduction in transmission loss (i.e. 0.2%) for 2007-08 is only an estimate and the saving is likely to reduce the financial gap of the DISCOM.

(c). Railways Tariff is fixed at 65% higher than that for Ferro Alloys.

CPDCL: The Railway traction supply cannot be compared with Ferro Alloys industry. The DISCOM has to bear the impact on account of deviations from contracted demand.

47. Issue 8: Classification of Agricultural produce processing machines:

The mechanical processing of the seasonal crops with modern machinery may be recognized as cottage industry.

CPDCL: Industries with a contracted load up to 5 HP are billed under LT-IV (cottage industries) as per the Tariff Order.

48. Issue 9: Classification of Telephone Exchanges:

A telephone company has requested for re-classification of their Telephone Exchanges from HT Category - II to HT Category - I (Industrial) for the reasons that (i) Finance Act 2002-03 has accorded Industry status to all Telecom companies; (ii) BSNL employs huge industrial machinery; (iii) Hon'ble Supreme Court held that BSNL in an Industry; and (iv) Rajasthan Electricity Regulatory Commission has classified the BSNL exchanges under Mixed Load category.

CPDCL: The purpose for which BSNL is availing the supply does not fall under the purposes mentioned under HT category I (Industrial), specified by the Commission in the Tariff Order. The HT service of BSNL, therefore, does not fall under HT Category - I.

49. Issue 10: Classification of Oil Depots and Bottling Plants:

The classification of oil depots and bottling plants should be converted from HT Category - II to HT Category - I as they are licenced under Factories Act, 1948.

CPDCL: The purpose for which the oil company is availing of the supply, does not fall under the purposes mentioned under HT category - I (Industrial), specified by the Commission in the Tariff Order. The HT service of the company, therefore, does not fall under HT Category - I.

50. **Issue 11: Energy Losses:**

Wide variations in energy loss levels in different circles and the impact of the initiative of pole-mounted metering.

CPDCL: The reasons for variations in the circle-wise distribution losses are (i) Length of lines and location of substations; (ii) Different load-mix in different circles i.e. urban, sub-urban and rural areas; (iii) Location of substations vis-à-vis the load centers; (iv) Differences in Network topologies in different circles; (v) Loading pattern on the feeders, etc.

Several remedial measures were taken up in the areas where losses are more than 15%, to reduce commercial losses. These measures include shifting of meters from consumer premises to pole-mounted meter boxes, conducting DPE (Detection of pilferage of energy) inspections, sealing of terminal covers, etc.

51. **Issue 12: Fixing of meters on poles:**

While some objectors wanted to know of the impact of the initiative on pole-mounted metering, another objector has expressed concern on forcible shifting of meters to the poles and for taking readings without the presence of the consumer and issue of bills arbitrarily.

CPDCL: No specific reply.

Issues relating to APEPDCL

Issues concerning Agricultural Supply:

52. **Issue 1: IPPs:**

Old PPAs entered into with the IPPs should be reviewed to safeguard the interests of consumers, and future gas projects without guaranteed supply of gas, should not be allowed.

EPDCL: The issue comes under the purview of the Hon'ble Commission.

53. **Issue 2: LVS Project**

The developer's equity of Rs.30 to 40 crores in LVS project (not being operated since inception due to high cost of generation and for which fixed charges of about Rs.30 crs/annum are being paid) may be paid up by EPDCL and the plant taken over so as to sell the whole plant to any other buyer later.

EPDCL: The 36.8 MW liquid fuel based power plant of M/s. LVS has been allocated to the EPDCL under the Third Transfer Scheme notified by the GoAP. The matters relating to power purchase from the plant are pending in the Hon'ble Supreme Court.

54. **Issue 3: Energy Losses:**

Wide variations in energy loss levels in different circles and the impact of the initiative of pole-mounted metering.

EPDCL: The reasons for variations in the circle-wise distribution losses are length of lines and location of substations, different load-mix in different circles, location of EHT substations vis-à-vis the load centers, differences in network topologies in different circles, loading pattern on the feeders, etc. (No specific reply on pole-mounted metering).

Issues concerning Agricultural Supply:

55. Issue 4: Agriculture consumption estimates:

(a). There are variations in the consumption under Agriculture for 2006-07 vis-à-vis the quantity permitted by the Commission. What is the extent of additional requirement of subsidy from Government? Also whether the new connections proposed to be given are considered in the estimate and what is the data on un-authorized agricultural connections and how many of them have been regularized?

What are the steps taken by the DISCOM to increase the ratio of valid DTR LV meters to total metered DTRs, to 50% for CPDCL, SPDCL and NPDCL and 60% for EPDCL as directed by the Commission in the Tariff Order of March 2006? Also, what is the consumption pattern in the metered new agricultural connections and an analysis of variations between such metered services and un-metered services? All the DTRs should be metered so as to have perfect energy balancing.

EPDCL: As per Directives of the Hon'ble Commission, the ratio of valid DTRs is maintained above 60%. Out of 3856 metered DTRs, 2573 meters are working. All the 3,677 new services released during 2006-07 (up to December 2006) are with meters. The consumption is arrived at as per the methodology of the Hon'ble Commission. 507 agriculture feeders are separated from rural feeders and all are metered.

(b). The procedure adopted for arriving at the Agricultural consumption is not clear and details like number of pumpsets, connected load and consumption separately for Tatkhal, IT assesses and others need to be made available. The objector also pointed out that the Agricultural consumption estimate of 1256 MU for 2006-07 is not correct. He contends that LT line losses to the extent of 182 MU have been included in Agricultural consumption, and thus the Agricultural consumption for 2006-07 should be around 1092 MU only.

EPDCL: The monthly agricultural consumption estimate is arrived at as per APERC methodology.

(c). Whether the reduction in energy consumption on account of installation of capacitors, was considered in the estimation.

EPDCL: Due to installation of capacitors, the consumption is reduced by 8 MU per month.

56. Issue 5: Supply for Lift Irrigation Schemes:

The Lift Irrigation schemes have been designed to supply water for 18 hrs / day and Government assured 12-hr supply with exclusive feeders, which has not been implemented in practice.

EPDCL: No specific reply on lift irrigation schemes.

57. Issue 6: Release of new Agricultural connections:

(a). Not even a single new agricultural connection is given under free supply though the Chief Minister announced 50,000 new connections per year under free supply category. It was also commented that Tatkal Services (3 HP) are not given for small farmers even after 2½ years, and that those who comply with DSM measures should be given free supply even for Tatkal. Also that the Government should arrange for replacement of the old non-ISI motors of farmers, with new ISI motors, as the energy savings under this measure will result in reduction of Government subsidy.

EPDCL: The free supply of power to the Agricultural connections will be allowed based on the seniority and as per the quotas approved by the Government.

(b). Priority lists of the applicants for agricultural connections should be published and kept on DISCOM website. Further, the

DISCOMs should collect only nominal charges for additional load on account of falling down of the groundwater level.

EPDCL: All the SEs and DEs of the DISCOM are instructed to host the priority or seniority lists of the new agricultural connections on the website of APEPDCL.

58. Issue 7: Metering of Agricultural Services:

Progress of fixing the meters for Agricultural Services by March 2008 as directed by the Commission under Section 55 of the Electricity Act, 2003, and the average specific consumption per HP, may be stated.

EPDCL: Action plan approved by the Hon'ble Commission for completion of metering of all Agricultural services by 31-03-2008 is under execution. Out of 1,54,493 such services, 21,541 are metered.

59. Issue 8: Supply for paddy in Rabi:

Free supply for paddy in Rabi crop should not be denied. Farmers use seven hours' supply even for alternate crops.

EPDCL: The government has issued the orders keeping in view the availability of water and electricity supply.

60. Issue 9: Identification of upland areas:

The Licensee is not allowing free supply to about 80 farmers even after the MRO issued certificate confirming that their fields are in upland areas, and is collecting charges @ Rs.525/HP instead of Rs.210/HP even for the farmers who implemented the DSM measures.

EPDCL: The DE, Amalapuram, is ordered to release the free/tatkal supply connections based on the revenue certificates and with reference to the guidelines of State Government issued from time to time.

61. **Issue 10: Segregation of Rural Feeders:**
What is the status of separation of Rural Feeders, i.e., separation of Agricultural loads from village loads to facilitate 24-hr supply to villages?

EPDCL: No specific reply on separation of rural feeders.

Tariff - related issues:

62. **Issue 11: Tariff for old age homes:**
Tariff for old age homes having meagre resources may be made equivalent to cottage industry LT Category - IV (180 p/unit) or LT Category - VI (Local Bodies -streetlight tariff (360 p/unit) or be some other concessional tariff.

EPDCL: Not acceptable.

63. **Issue 12: Poultry farm lighting load:**
The poultry farms' load is predominantly lighting load and hence the poultry units availing of supply under LT Category - III (Industrial), should not be compelled to restrict the lighting load to 10% as in the case of other Industries.

EPDCL: Not acceptable.

64. **Issue 13: Pisciculture units (below 10 HP load):**
The farmers' associations pertaining to Pisciculture while expressing gratitude for the subsidized tariff fixed for loads below 10 HP, have represented that presently 7-hr supply is given at the tariff of 90 p/unit, and when they requested the licensee to extend the supply to 24 hours, they are asked to pay the Industrial Tariff of 375 p/unit. They have proposed to avail 12-hr supply from 9 PM to 9 AM and requested the tariff to be fixed at 120 p/unit.

EPDCL: The electricity supply will be made as per the availability of power.

65. Issue 14: Tariff for small temples:

The tariff for temples be in four slabs under LT Category - VII and the lowest tariff be made applicable for small temples, which have poor resources.

EPDCL: This issue is prerogative of the Hon'ble Commission.

66. Issue 15: Ferro Alloys Units:

Ferro Alloys Units have requested that (i) In place of 85% LF condition, 550.8 kWh/kVA/month may be considered as consumption per month; (ii) either the contracted maximum demand (CMD) or highest of recorded MD whichever is higher, in all months in a year may be considered on weighted average basis and may be considered as recorded maximum demand for calculation of deemed consumption.

EPDCL: The issues fall within the purview of the Hon'ble Commission.

67. Issue 16: Railway Traction Tariff:

The various railways operating in the State have requested for a lower tariff. They contended that the cross-subsidy is increasing instead of gradual decrease as required under the Electricity Act, 2003, and that there is lot of scope for reduction in tariff and it should be nearer to the cost of power purchase in the overall national interest and requested for reduction in tariff from the present 420 p/unit to a more reasonable level.

They have also requested for grant of incentive for maintaining the power factor at above 0.9, and for early payment (within 3 days) as in Orissa.

They also requested to restore the classification of supply to them as earlier allowed by erstwhile APSEB for HT services of railway stations under HT Category - VI where the colony load exceeds 50% of total connected load.

EPDCL: Fixing of tariff is the prerogative of the Hon'ble Commission.

68. **Issue 17: Tariff condition for HT Industrial consumers:**
M/s. Hindustan Zinc Ltd., Visakhapatnam, have made the following comments / suggestions:
- ◆ The Incentive for HT - Industrial consumers may be fixed @30% instead of 25 % for the LT above 70 % for the incremental consumption over 40%.
 - ◆ Incentive for off-peak power may also be introduced to encourage industrial consumers.
 - ◆ Incentive may be allowed for higher power factor than the specified power factor, as in other States.
 - ◆ EPDCL should be authorized to fix competitive tariff as per their performance so that they can attract more industries.
 - ◆ A more economical power intensive tariff may be introduced for the highly power intensive industry (like Zinc Smelting) where conversion cost constitutes 60% of the total cost.
 - ◆ The demand charge of Rs.250/KVA is very high and may be reduced.
 - ◆ The cross - subsidy surcharge may be reduced to facilitate use of open access by HT consumers as intended in the Electricity Act, 2003.

EPDCL: These issues are to be examined by the Hon'ble Commission.

69. **Issue 18: Stipulation of specified voltages for HT supply:**
HT consumers who want to avail power with CMD of above 5000 KVA, may be allowed to draw the power at 33KV when there is no 132/33 KV substation within a radius of 5 KM, duly exempting them from the voltage surcharge.

Reply: Not acceptable.

Issues concerned with consumer services:

70. **Issue 19: Title transfer of Agricultural services:**
A number of objectors have expressed concern about DISCOMs not effecting title transfers for Agricultural services. They requested

that the Licensees should streamline the procedure for effecting such title transfers.

EPDCL: Title transfer for agricultural connections will be done based on the availability of revenue records and certificates.

71. Issue 20: Format of Agreement:

The format of consumer agreement should be changed from unilateral to bilateral.

EPDCL: The present consumer agreements are made on the bilateral model format only.

Issues relating to APNPDCL

Issues concerning agricultural supply:

72. Issue 1: Agriculture consumption estimates:

(a). There are variations in the consumption under Agriculture for 2006-07 vis-à-vis the quantity permitted by the Commission. What is the extent of additional requirement of subsidy from Government? Whether the new connections proposed to be given are considered in the estimate and what is the data on un-authorized agricultural connections and how many of them have been regularized?

What are the steps taken by the DISCOM to increase the ratio of valid DTR LV meters to total metered DTRs, to 50% for CPDCL, SPDCL and NPDCL and 60% for EPDCL as directed by the Commission in the Tariff Order of March 2006? Also, what is the consumption pattern in the metered new agricultural connections and an analysis of variations between such metered services and un-metered services? All the DTRs should be metered so as to have perfect energy balancing.

NPDCL: Due to increase in ground water levels and the number of

service connections, it is expected that there would be an additional consumption to the extent of about 360 MU, requiring purchase of additional power of about 458 MU for current year. It is proposed to purchase 152 MU from power traders for current year.

In NPDCL, 5893 DTRs are metered and all of them are in working condition. Thus the directive of the Hon'ble Commission about the ratio of valid DTRs to metered DTRs being at least 50% is being maintained during the current year. All the 17041 new agricultural connections given during current year are provided with meters.

(b). The procedure adopted for arriving at the Agricultural consumption is not clear and details like number of pumpsets, connected load and consumption separately for Tatkhal, IT assesses and others need to be made available. The Agricultural consumption estimate of 3274 MU for 2006-07 is not correct. LT line losses to the extent 1250 MU have been included in Agricultural consumption, and thus the Agricultural consumption for 2006-07 should be around 2024 MU only.

NPDCL: The monthly estimate for agricultural consumption is arrived at as per APERC methodology. The estimates are made after considering LT line losses only and are not inclusive. It is not therefore correct to state that the LT system losses are included in Agricultural consumption.

(c). Whether the reduction in energy consumption on account of installation of capacitors, was considered in the estimation?

NPDCL: The Agricultural consumption was estimated for ensuing year after considering saving an account of LT capacitors.

73. Issue 2: Supply for Lift Irrigation Schemes:

The Lift Irrigation schemes have been designed to supply water for 18

hrs / day and Government assured 12-hr supply with exclusive feeders, which has not been implemented in practice.

NPDCL: The Lift Irrigation schemes in NPDCL area, which are having separate feeders, are being given supply for about 16 hours per day. The separate feeders are being laid as per payments made by the Government.

74. Issue 3: Metering of Agricultural Services:

Progress of fixing the meters for Agricultural Services by March 2008 as directed by the Commission under Section 55 of the Electricity Act, 2003, and the average specific consumption per HP.

NPDCL: Action plan for metering of all Agricultural services by 31-03-2008 is under execution. There are 7,55,255 Nos. Agricultural services with a total connected load of 28,99,471 HP. Out of the 7,55,255 Agricultural services, 39823 services are metered.

75. Issue 4: Supply for paddy in Rabi:

Free supply should not be denied for paddy in Rabi crop. The farmers use seven hours' supply even for alternate crops.

NPDCL: The farmers are likely to suffer loss on account of inadequate supply of power / water if paddy is grown in Rabi. Hence, it is desirable to go in for dry crops to avoid the difficulty.

76. Issue 5: O & M Issues:

(a). Licensee has to take steps for improvement of quality of supply, like regulation of excess load on DTRs by removing unauthorised connections, training of staff on technical aspects, educating the consumers on use of standard (ISI) equipment, installation of capacitors for motors and for tube lights, etc. Separate Transformers may be provided for Rice Mills.

NPDCL: The Licensee welcomes the suggestions / observations. Regarding separate Transformers for Rice Mills, the Licensee has taken up the task of identifying such loads on common DTRs on the mixed feeders and their segregation is being done in a phased manner.

(b). Purchase of DTRs requires investigation. The same DTRs are repaired again and again.

NPDCL: The NPDCL is complying with the required procedures in purchase of DTRs. A 5-year guarantee is available for all the new transformers and the manufacturer will bear the cost of repair within the guarantee period. The licensee is also making efforts for proper maintenance of DTRs and the failure rate has substantially come down.

(c). Small DTRs of 25 kVA should be used for Agricultural as they are giving good results.

NPDCL: The suggestion is being implemented by NPDCL.

77. Issue 6: Impact of Reforms:

The Reforms have not yielded good results. Consumers' problems have increased and only the contractors are benefited.

NPDCL: There is perceptible improvement in the main functions of the power utilities after the introduction of reforms in the power sector. Contractors have not specifically benefited.

78. Issue 7: Energy Losses:

Line losses should be analysed to identify the actual technical losses, Agricultural consumption and other losses, and desired data be furnished. There are wide variations in energy loss levels in different circles and what are the steps taken by the DISCOM in this regard?

NPDCCL: The details of energy purchases, metered sales, agricultural consumption, and losses for the last 3 years have been furnished to the objector, as desired by him. In respect of the observation about variations in losses of different circles, it is stated that the loss level depends on various factors like length of lines, location of substations, load mix, etc.

79. Issue 8: Development Programmes:

The Kuteera Jyothi Programme is not being implemented properly.

NPDCCL: The Kuteera Jyothi scheme is not in vogue now. Presently, under the RGGVY scheme, the beneficiaries (low-income group) are given supply on payment of Rs. 125, by providing the required service wire, meter boards, meter etc.

Tariff - related issues:

80. Issue 9: Tariff for Municipalities:

In view of the difficulties being faced by the Municipalities due to paucity of funds, the tariff for street lightning and PWS Schemes as follows may be reduced as follows:

Grade II Municipality	Request for tariff at
Street Lightning [LT Category - VI (A)]	<ul style="list-style-type: none"> • 244 paise/unit
PWS schemes [LT Category - VI (B)]	<ul style="list-style-type: none"> • Upto first 1000 units - 281 p/unit • Balance - 304 p/unit

Tariff for Municipalities Grade-II should be reduced by 15% i.e. to 280 p/unit for HT Category - I and 290 p/unit for Street Lighting. The tariff of all Municipalities should be reduced by 15%. Yet another request is to fix the tariff for Grade I and II Municipalities at 274 p/unit for PWS Schemes.

NPDCCL: The cost of service for PWS of Municipalities is Rs.4.38, which is very high. But the present tariff is only Rs.3.75 for Grade II

Municipalities. Hence it is not possible for any further reduction of tariff.

81. Issue 10: Tariff for Industries:

The tariff for Industries in Andhra Pradesh is higher when compared to many other States forcing the industries to think of alternate sources of supply. The following West Bengal model should be adopted:

- Rebate should be offered for power factor above 0.9;
- Time-of-day (ToD) tariff (Peak and Off-peak tariff) be adopted;
- Rebate of 10 p/unit for timely payment.

The Industries cannot be asked to bear the burden of cross-subsidy indefinitely. Industrial tariff should be reduced.

NPDCL: The tariff for Industrial category in AP is one of the lowest in the country. The advantageous features of AP tariff structure are: low demand charge as well as low energy charge, load factor incentive (25%), no restriction on Time-of-Day, un-interrupted supply to industrial feeders, etc.

82. Issue 11: Seasonal Pricing Policy for Domestic / Industry consumers:

Seasonal pricing policy may be adopted for Industry / Domestic consumers so as to ensure automatic conservation of power:

- 20% higher in 4 summer months; and
- 20% less in other 8 months

NPDCL: The tariff design is based on cost-to-serve considering the peak demand in different periods of a year and is reflective of the suggestion but at a uniform rate throughout the year. No excess power is available in any season.

83. Issue 12: Tariff for certain categories:

(a). (i) Crematoriums presently classified under LT Category - VII (General purpose) with a tariff of Rs.4/unit be classified under

LT Category - IV (Special Category) with the tariff at 50 p/unit; (ii) Hair-cutting saloons should be classified under LT Category - IV - Cottage Industry; and (iii) Even small vegetable vendors selling vegetables in baskets in front of their houses are being classified under LT Category - II. A clear definition may be provided for commercial premises duly providing that the establishments covered under Commercial Establishments Act should only be classified under commercial category.

NPDCL: The issue of tariff for Crematoriums was earlier examined by the Hon'ble Commission and the request was rejected (para 275 of Tariff Order for 2005-06). Similarly, the request in respect of hair-cutting saloons was also examined and the Hon'ble Commission felt that there was no justification for their classification as Cottage Industry. Further, wherever the consumers are taking up commercial activity in the residential premises, separate service will be given for the load used for commercial purpose. Hence there is no need for revision of definition of commercial category.

(b). In regard to LT Category - III (B), the Licensee is adding 50 units/kVA as the minimum energy consumption, in addition to the energy actually consumed. This is a violation of the agreement terms. Even when the Industry is under disconnection, or is not using electricity, levy of 50 units/kVA is not justified.

NPDCL: The contention of objector about addition of 50 units in addition to recorded consumption is not correct. The minimum charges are collected as per Tariff Order of Hon'ble Commission.

84. Issue 13: Pisciculture units (below 10 HP load):

Presently 7-hr supply is given to such units at the tariff of 90 p/unit, and when they requested the licensee to extend the supply for 24 hours, they are asked to pay the Industrial Tariff of 375 p/unit. 12-hr supply from 9 PM to 9 AM may be given and the tariff may be fixed at 120 p/unit.

NPDCL: The pisciculture / prawn-culture was recognized as Agro-related industry and concessional tariff at 90 paise / unit is levied as per Tariff Order of Hon'ble Commission and supply is given for 7 hours on par with agricultural supply. The request is outside the purview of the DISCOM.

Issues concerned with consumer services:

85. Issue 14: Security Deposit:

The collection of additional consumption deposit is a deviation from Section 61(d) of the Act, as the mode of collection is not safeguarding consumer interest. When the average consumption in the previous year is less, the Licensee is not refunding excess deposit.

NPDCL: The initial Security Deposit/ Additional Security Deposits are being collected / adjusted as per the Regulation No. 6 of 2004 of the Hon'ble Commission.

86. Issue 15: Collection of excess payment for appeal

The appellate authorities are not disposing of the appeals u/s 127 (2) and are insisting upon 50% payment while the Act provides for 1/3rd payment for entertaining appeal.

NPDCL: Only such consumers who desire for continuance of supply only, are required to pay 50% of the provisionally assessed amount, as per clause 9.2.4 of the GTCS.

Issues relating to APSPDCL

87. Issue 1: Sales Projections of Cross-subsidising categories:

The filings do not contain any explanation for the estimated variations in the sales from the quantities approved by the Commission for 2006-07. For 2007-08, lower growth rates are adopted for commercial (10% against 16% in 2005-06) and Industrial (15% as

against 22%) categories on the ground of 3rd party sales, which “is a dangerous portend of things to come”. What steps are being taken by the Licensee to retain / attract the HT consumers?

SPDCL: DISCOM agrees with the concern about its viability due to the threat of the Open Access. The Licensee has taken the following measures to face this threat:

- (i) Tariffs have been reduced considerably;
- (ii) Voltage-wise Tariffs have been introduced; and
- (iii) Load Factor incentive has been provided.

The above measures have enabled the high value consumers to remain with DISCOM.

88. Issue 2: PPAs:

(a). The concept of deemed generation in the context of fixed charges is un-founded and does not exist and hence the question of payment of fixed charges due to non-availability of gas should not arise. Old PPAs may be reviewed so as to reduce the burden on consumers, and PPAs with the new gas-based IPPs be cancelled.

(b). Life-time guarantee for fuel availability should be given to the existing and upcoming gas projects.

(c). The DISCOM is purchasing power from NCE projects at double the normal rate, but they are not really NCE projects and are causing damage to the environment.

SPDCL:

(a). The issues concerned with gas availability and review of PPA conditions are being dealt with by State Government. Fixed charges for non-supply of gas either by ONGC or GAIL as per PPA are being looked after by APTRANSCO.

(b). No specific reply on the suggestion of life-time guarantee.

(c). The NCE matters referred to pertain to power sector in the State as a whole on which DISCOM has little say and the DISCOM has to abide by the regulatory mechanism.

Issues concerning agricultural services:

89. Issue 3: Supply for Lift Irrigation Schemes:

16-hr supply should be given for the Lift Irrigation (LI) Schemes in Prakasam district especially in Khariff season as promised by State Government and also as there are no wells or bores in the areas served by these LI schemes.

SPDCL: Where exclusive feeders are available, power supply is being given to HT Lift Irrigation projects for 16 hours, continuously. Efforts are being made to provide separate feeder lines for all the Lift Irrigation projects/ schemes. Separate line for the Lift Irrigation scheme of Parchur Mandal is completed; 16-hr supply will be given soon. The line in Karamchedu Mandal could not be completed due to standing crop in fields, the work will be resumed after the crop is cut.

90. Issue 4: Agricultural Consumption Estimates:

(a). The data filed by the Licensee shows specific consumption levels of 1164 units/HP/year as per sample DTR metering on LV side, 984 units/HP/year for Tatkal metered services and 876 units/HP/year for paying category (IT Assesses). In other words, specific consumption in the services as per sample DTRs metering is higher by about 25%, which should be attributable to un-authorized agricultural connections or un-authorized non-agricultural connections including the electricity lost due to theft. Further, as there are no meters for streetlights, the street-lighting consumption is also shown under Agriculture. Defective meters at DTRs (2065 out of 5507), constitute about 37% of the metered DTRs.

SPDCL: The analysis indicates such an inference. However, the matter will have to be analyzed further to firm up the conclusion.

(b). The procedure adopted for arriving at the Agricultural consumption is not clearly indicated by the DISCOM, and the data on correct number of pumpsets, and the connected load separately for free category, Tatkal and IT assesses may be supplied.

SPDCL: Agricultural power consumption is being estimated under the supervision/guidance of Hon'ble Commission. The details of pump sets are as follows:

	No of services	Connected load (HP)	Consumption (MU)
Unmetered services	4,72,601	27,51,303	3255.86
Tatkal	60,013	2,97,153	265.61
IT Assess	14,365	68,505	60.03
TOTAL	5,46,439	31,16,961	3581.50

91. **Issue 5: New connections under Agriculture Category:**

Very poor number of release of new connections: only 618 (5%) were released against the 11,400 programmed in 2005-06, while the pending applications were shown as 85,305. All eligible applicants should be given new connections without any quota.

SPDCL: No specific reply on the level of release of new connections.

92. **Issue 6: Prohibition of paddy in Rabi Season:**

There should be no prohibition on free supply to the paddy crop in Rabi, as the Farmers (in Nellore and Chittoor Districts) are dependent only on North East monsoon, which comes late and hence their Khariff crop shifts to Rabi season. It would be wiser to insist on implementing SRI method of paddy cultivation instead of prohibiting free supply.

SPDCL: It is a request for changes in the Government policy on issues like DSM measures, lifting prohibition of cultivation of paddy in rabi in some districts, etc., and thus the issue comes under the purview of Government of A.P.

93. **Issue 7: Sugarcane crushing as Agriculture activity:**

The present tariff (50 p/unit) for sugarcane crushing is very high and requested for its review, and the activity, which is now treated as industrial activity with a concessional rate of 50 p/unit, should be treated as agricultural activity and should be given free supply under that category.

SPDCL: Sugarcane crushing is treated as an industrial activity and is charged at 50 paise / unit as per the Tariff Order 2006-07. It is for the Hon'ble Commission to reconsider its decision on the subject.

94. **Issue 8: HVDS scheme for Agriculture:**

- Instructions of the Commission in para 183 of the Tariff Order 2006-07, to replace the bare conductor of existing LT lines with aerial bunched cables in the HVDS schemes is not being complied with by the Licensee. HVDS schemes also need to be evaluated with particular reference to the above aspect.
- The Licensee should replace 16 kVA DTRs with 25 kVA DTRs wherever the motor capacity had to be enhanced due to groundwater going down.
- HVDS schemes should be taken up on war-footing in the Agriculture supply. Details of such schemes executed and being taken up may be furnished and the impact of the schemes already executed be got studied.

SPDCL:

Implementation of HVDS will result in reduction of technical loss by around 12 to 14%. So far 246 Nos. of 11KV agricultural feeders have been converted to HVDS in Chittoor and Kadapa districts. Reduction in technical loss and good voltage profile are observed for all these feeders.

Up to December 2006, an expenditure of Rs.240.62 Crs has been incurred for HVDS pilot projects in 6 districts. The 1st phase works in Chittoor and Kadapa districts in APSPDCL and the balance HVDS works under 1st phase in Chittoor and Kadapa districts are under progress at a total cost of Rs.220.47 Crs. Further, tenders have been floated for HVDS works in the balance 141 Nos. feeders in Chittoor and Kadapa districts under 2nd phase at a cost of Rs.556.48 Crs. and the work will commence from April 2007. Similar proposals were submitted to REC for completion of HVDS works for 227628 Nos. of agricultural pump sets in 357 Nos. 33/11 KV SS in the other four districts of SPDCL at a cost of Rs.858.32 Crs (under KFW, Germany funding).

95. **Issue 9: Other Issues under Agriculture:**

(a). Disconnection of supply to Lift Irrigation schemes even after waiver of electricity charges arrears by State Government is unjustified.

SPDCL: Power supply was not disconnected for the Lift Irrigation schemes in SPDCL

b). Though the State Government assured to regularize un-authorized Agricultural connections and the DISCOMs have declared that there are 3.2 lakh un-authorized connections, they have not regularized any connection so far.

SPDCL: Regularization of unauthorized connections is in progress. Cooperation of ryots is necessary for this. Up to 2006-07 (November 2006) 1452 services under Normal plan and 14,730 services under Tatkal schemes were released.

(c). Progress of fixing the meters for Agricultural Services by March 2008 as directed by the Commission under Section 55 of the Electricity Act, 2003, and the average specific consumption per HP. Capacity of the Licensee to take meter readings if all the 4.72 lakh unmetered pumpsets are provided with meters, considering its record of 37% success even in DTR meter readings.

SPDCL: 41542 Nos. meters are provided for the Agricultural services, and most of them are working. It is expected that all Agricultural services can be provided with meters by 31-03-2009 and it is possible to take meter readings.

96. **Issue 10:**

(a). Licensee's insistence to pay for the cost of bifurcation of rural feeders to provide 24-hr supply to rural industries, is un-reasonable.

SPDCL: If the small scale industries bear the expenditure of laying lines from Town feeder or 4th wire on rural feeder according to their capacity, continuous power supply can be ensured.

(b). Details of bifurcation / segregation of rural feeders for enabling 24-hr supply to domestic consumers in rural areas, may be furnished.

SPDCL:

- a Total number of feeders under the licensee : 2746
 - b Number of rural feeders : 1803
 - c Number of feeders segregating the agriculture and domestic consumers : 1631
 - d Number of feeders metered and working : 2746
- E The time schedule for completion of bifurcation of all the rural feeders and the target date of extending 24-hr supply to the rural domestic consumers : 31-03-2007

Tariff - related issues:

97. Issue 11: Agricultural Tariff:

(a). Free supply for Agriculture should be continued and free supply should also be given to non-DSM pumpsets and sugarcane crushing, etc.

(b). Free supply should be discontinued and charges may be levied based on acreage of cultivation as follows for new connections:

- 7 Acres and above - Rs.500/HP/year
Customer charges should be reduced from Rs.20/month to Rs.10/month
- below 7 acres - Rs.50 to 100 per month
- Total withdrawal of customer charges.

SPDCL: The Service charges are collected as per Tariff Order 2006-07.

98. Issue 12: Tariff for Temples:

(a). Introduction of slab system, generally as follows, so as to reduce the tariff burden on small temples that have meager resources for their maintenance.

- Up to 50 units/month - Rs. 2 or 3 /unit
- 51 - 100 units/month - Rs. 3 or 4 / unit
- Above 100 units/month - Rs. 4 or 5 / unit

SPDCL: The request for modification in the tariff structure for general purpose (LT Cat VII) comes under the purview of the Hon'ble Commission.

(b). Free supply may be given for temples having only one bulb

SPDCL: Free power cannot be supplied for temples with single bulb or low income.

99. **Issue 13: Pisciculture units (below 10 HP load):**

Presently 7-hr supply is given at the tariff of 90 p/unit, and when the licensee is requested to extend the supply to 24 hours, the Industrial Tariff of 375 p/unit is being demanded. 12-hr supply from 9 PM to 9 AM may be given and the tariff may to be fixed at 120 p/unit.

SPDCL: As per the Tariff Order 2006 - 07, Pisciculture and prawn-culture are considered under LT Category III(A)(3), and charges @ rate of 90 paise per unit are levied for those which are below the contract load of 10 HP and 375 p/unit for those above this contract load.

100. **Issue 14: Tariff for LT Category - II (Commercial/Non-Domestic):**

The existing two-slab tariff structure (395 p/unit up to 50 units and balance at 625 p/unit) is causing hardship to small businesses, which exceed 50 units/month. There should be an intermediary slab of 51 - 100 units with tariff of Rs. 5 /unit.

SPDCL: The reasons for fixing two slabs have been given by the Hon'ble Commission in para 869 of Tariff Order for FY 2004-05. However, the fresh request also falls under the purview of the Hon'ble commission.

101. **Issue 15: Tariff for Rural Industries:**

Reduction in tariff for rural industries from 375 p/unit to 340 p/unit

or even to 300 p/unit as they are getting only 7-hr supply and also reduction of fixed charges from Rs.37 / HP to Rs.20/HP per month may be considered.

SPDCL: Rural LT Category - III consumers are being given more than 7-hr supply wherever possible. Licensee has to balance its finances while rationalizing tariff rates.

102. Issue 16: Tariff for Domestic Category (LT Category - I):

Charges like FSA, Electricity Duty, Late payment charges etc., needs to be withdrawn insofar as Domestic consumers are concerned:

- SC/ST/BC consumers up to 240 watts load may continue to be allowed to pay minimum charges at Rs. 50 and Rs.80 (for two months).
- Free supply should be given to SC/ST consumers.
- Where the connected load is 260 watts, the collection of minimum charge amount of Rs.50/month is working out to Rs.3/unit (instead of Rs.1.45/unit), which is burdensome for small domestic consumers.

SPDCL: From Domestic connections with load of 250 watts or less, the minimum charges are collected @ Rs.25/month. There are instructions that SC/ST consumers who clear the arrears are entitled for waiver of surcharge.

103. Issue 17: Delayed payment surcharge:

Delayed payment surcharge should be reduced from the present level of 25.5% per annum as per the orders of GoAP.

SPDCL: The activity of disconnecting the services for non-payment of amounts is an additional work without any additional revenue. Hence, the rate of delayed payment surcharge needs no reconsideration as it is meant for discouraging deferment of payment beyond due date.

104. **Issue 18: O & M Issues:**

- a) Failed DTRs are not being replaced promptly. Showing lack of vehicles as the main constraint, the field officers are insisting upon the farmers themselves to transport the failed DTR for repairs.
- b) A failed DTR should be replaced within 12 hrs, instead of 48 hrs in rural areas
- c) In some places, the 4th (earth) wire has been non-existent for many years and AB switches are also not available at DTRs.
- d) Old iron poles be replaced with concrete poles to avoid accidents.
- e) Motors are getting burnt due to low voltage. Periodical inspection of consumer installations needs to be carried out by Licensees as required under Rule 46 of IE Rules, 1956.

SPDCL: Consumers need not pay any kind of charges towards the repairs of the Transformers. Proper steps will be taken to address other grievances.

105. **Issue 19: Terms and Conditions of Supply:**

- a) Copies of the GTCS should be supplied to all consumers at a reasonable cost
- b) The DISCOM is collecting 3 times the normal tariff from agriculture consumers for theft and meter tampering cases instead of 1.5 times.
- c) Additional connected load of up to 200 watts should not be penalized.
- d) Even after 2 years of issue of directive by the Commission, the SPDCL has not yet collecting the consumer agreements in Telugu.
- e) Bills and other correspondence with consumers should be in Telugu
- f) The description regarding providing of service wire by consumer as mentioned in **Part - 'C' of Annexure - 'D' of Tariff**

Order requires modification. The word “terminated” should be replaced with some suitable word.

g) New connections should not be sanctioned for houses constructed on agricultural lands without approved layout.

SPDCL:

a) Suggestion about supply of copies of GTCS at reasonable cost will be considered.

(b). The complaint of collection of higher penal charges will be examined.

(c). Issue of notices in respect of additional connected load is a matter of procedure and not harassment.

(d). Agreement and Application forms in Telugu are available with concerned officers.

(e). Bills, application forms, agreement papers and other information is available in Telugu.

(f). The suggestion to correct the relevant provision in Part ‘C’ of Annexure - ‘D’ will be looked into.

(g). The houses constructed on agricultural lands shall be provided with electricity services only if they have layout approval and ownership. There is no objection to sanction electricity service, if owner of the agriculture land himself constructs the house.

General issues concerning Consumer Service:

106. **Issue 20: Burnt meters:**

a) SPDCL is collecting Rs.1500 for burnt meters whereas the cost of meter is only Rs.1110.

SPDCL: Charges for the burnt meters are collected @ Rs.1500 for three-phase and Rs.500 for single-phase meters as per the average purchase cost of the meter (inclusive of interest, meter handling, testing, sealing etc).

b) In the case of new meters, the manufacturer's guarantee will be available and hence the cost of such burnt meters should not be collected from consumers.

SPDCL: If the meter is burnt due to fault of Licensee, the cost of meter will be borne by the Licensee. If the meter is burnt due to fault in consumer installation, the consumer has to bear the cost. It is not possible to send each burnt meter to the manufacturer.

c) Copies of the Test reports pertaining to the tests conducted by MRT on consumer meters declared defective are not being given to consumers and consumers are not being allowed to record their views

SPDCL: Consumer can record his remarks/opinion in test report. (No specific response on the issue of giving a copy of test report to the consumer).

d) For shifting meters, Rs.150 is collected at many places whereas Rs.320 is being collected in Guntur Distribution.

SPDCL: As per the Tariff Order, Part (C) item V(f), for shifting of meters, on materials and labour charges, 25% extra has to be paid as supervision charges. Charges are collected uniformly throughout, in all the districts (Urban and rural areas) under the purview of the DISCOM.

107. Issue 21: Meter reading, Billing and Collection (MBC):

a) The bills are being raised adhoc from Rs.1000 to Rs.22000 and meters are being removed for non-payment of such huge adhoc amounts, though the details of removed meters are not being given thus violating the Right to Information Act.

SPDCL: The information sought for was furnished by the concerned Officers. Any further documents or records can be secured under RTI Act

b) MBC (Meter reading, Billing and Collection) is done at a cost of Rs.8 per bill (Rs.1.5 for spot bill, Rs.1.50 for PPA, and Rs.5 for collection through E-seva). Therefore, this (MBC) function should be entrusted to Engineers as done in Tamil Nadu so that Rs.50 crores can be saved.

SPDCL: Bills for high value services are prepared in the in-house computer-billing center. The economics of this process is being carefully evaluated while instructing the MBC to private agencies. The suggestion is noted.

c) Expenditure on E-seva was not permitted by the Commission.

SPDCL: The licensee is absorbing the E-seva cost through internal efficiency gains.

108. Issue 22: Pass Books:

Pass books should be issued to all consumers, and in particular to all agricultural consumers.

SPDCL: The programme of issue of pass books to all consumers is being implemented.

109. Issue 23: Re-connection charges without disconnection:

Licensee is collecting reconnection fee of Rs.50 without disconnection in spite of the orders of the Commission in the earlier Tariff Order.

SPDCL: If the payment of CC charges is not made by the due date, the reconnection charges will be collected.

110. **Issue 24: Standards of performance:**

The Licensees should be made accountable for the deficiency in the service to consumers and compensation should be paid to the consumers.

The DISCOM may provide information on pending applications, category-wise, with details of Tatkal under Agriculture, as also the No. of cases filed for compensation and the amount paid and the No. of cases pending for payment of compensation.

SPDCL: The requisite data has been provided along with the licensee's reply to the objector.

111. **Issue 25: Staff:**

(a). Posting sufficient staff so as to improve the supply conditions and customer service in rural areas. The Licensee should also make the staff work properly and corrupt officers and staff should be punished. Identity cards should be given to the staff and to indicate the blood group in the Identity cards of O & M staff.

SPDCL: The policy on the employees as laid down in 2nd Transfer Scheme continues.

(b). HRD posts in Corporate Office of DISCOM should not be outsourced and instead the existing Engineers having MBA qualification be considered for these posts.

SPDCL: The efficiency and results of the outsourcing of the posts are being evaluated.

112. **Issue 26: Energy Conservation Act, 2005:**

The action taken by the utilities to appoint Energy Managers as required under the Energy Conservation Act, 2005.

SPDCL: To encourage Engineers to become Energy Managers, 8 Nos.

Engineers are selected from the company to appear in the examination from grooming them as Certified Energy Managers and Energy Auditors.

113. Issue 27: Solar Energy Plants:

Solar energy plants be encouraged and the use of solar energy may be made mandatory for big consumers. Such use may be first implemented in APTRANSCO/APGENCO/DISCOMs and State Government Offices.

SPDCL: The suggestion is noted.

114. Issue 28: Energy Losses:

(a). Wide variations in energy loss levels in different circles and the impact of the initiative of pole-mounted metering.

SPDCL: Variation of losses between circles is due to variations in capital expenditure (HVDS), length of lines, No. of agricultural services, location of power intensive industries etc.

(b). To conduct cost-benefit analysis to study the impact of the investments made in the T & D networks on loss reduction.

SPDCL: Modernization through capital investment has resulted in substantial reduction in T&D losses, which is around 16% now for SPDCL.

(c). The DISCOM has spent an amount of Rs.172.75 Crs up to December 2005, against the amount of Rs.179.75 Crs approved for 2005-06 for System Improvement (SI) Schemes like HVDS, APDRP etc. What is the expenditure in 2006-07 and the analysis of reduction of technical losses?

SPDCL: Against APERC provision of Rs.264 Crs. for FY 2007, Rs.240 Crs. has been spent up to 30-11-2006. There is no separate analysis to separate technical losses and commercial losses.

115. **Issue 29: Theft of Electricity:**

(a). Licensees should deal with the theft of electricity cases firmly and book the cases. Some objectors specifically referred to theft of electricity in Hyderabad city.

SPDCL: Necessary steps have been taken to prevent theft of electricity in the DISCOM area. People's cooperation is necessary in this matter.

(b). Recoveries through cases booked on theft of electricity is diminishing year-by-year as follows. Whether this indicates that the incidence of theft of electricity is on the decline or that there is negligence in this drive

- 2005-06 - Rs.5.2 crores
- 2006-07 - Rs.2.8 crores (estimated)
- 2007-08 - Rs.2.0 crores (projected)

SPDCL: Due to more vigilance and intensive inspections, it is expected that malpractices and pilferage of energy will be on the decline. Hence, the income is projected on modest basis.

(c). Transformer-wise energy audit should be conducted to control theft of electricity and the erring staff be punished.

SPDCL: An exclusive energy audit wing is existing for regular energy audit in addition to the vigilance teams for detection of pilferage of energy.

(d). Whether the DISCOM has any plan in the model of "Akshaya Prakasa" on Maharastra State to deal with the problem of theft of electricity.

SPDCL: The suggestion about Maharashtra model is welcome. Necessary steps are being taken to reduce theft of energy in rural areas.

CHAPTER - IV STAFF PRESENTATION AND RESPONSE OF LICENSEES

PART A - STAFF PRESENTATION

116. The Commission Staff on behalf of and for the benefit of the consumers, made a presentation at the public hearings on their analysis of the tariff filings of the respective DISCOMs. The analysis covered the Retail Supply Business of the Licensees. Staff presentation covered, (a) analysis of the ARR as filed, and (b) analysis of Regulatory interventions prayed for in the filings by the Licensees. The review of ARR is presented DISCOM-wise. The common issues and Staff approach to them are given at the end

CPDCL:

117. Central Power Distribution Company (CPDCL) filed the application for determination of retail supply tariff for FY2007-08 based on expenditure and revenue from tariffs and charges. This filing has been made as per Commission's Multi Year Tariff Regulatory framework (Regulation No.4 of 2005) for Distribution and Retail supply tariffs. As per these filings, the total expenditure is at Rs. 5583.25 crs and revenue from tariffs and other sources is at Rs.5391.40 crs for FY2007-08.

118. The company filed the network costs as per the Multi year Tariff Regulatory Framework as is stated in Commission's Tariff Order dated 23-03-06. Accordingly, the Company filed the network costs at Rs.954.47 crs for FY 2007-08. The applicant proposes to sell 21417 MU to various consumer categories for FY2007-08 and to procure 26561 MU to meet the forecasted sales including losses.

119. It is felt that the proposed sales to agricultural consumers is on higher

side at 7608 MU for FY2007-08. The proposed sales are based on the company's estimates based on LV side DTR meter readings and total HP capacity. GoAP/Commission decided to get these estimates verified by a third party and accordingly the Commission requested M/s.Indian Statistical Institute, Hyderabad to carryout such verification.

120. In these circumstances, the Commission Staff adopted the agricultural consumption volumes approved by the Commission for the current year (FY2006-07) for forthcoming year (2007-08) for both LT and HT agricultural consumers. Accordingly, the staff arrived at total sales at 20129 MU and power purchase requirement at 24852 MU for FY2007-08.

121. The Commission Staff further:

- a) recomputed the SLDC charges as per rate arrived through separate staff analysis at Rs.10.24 crs as against Rs.11.14 crs filed,
- b) provided the supply margin at Rs.7.14 crs against zero margin filed, and
- c) did not reckon the negative special appropriation of Rs.102.18 crs as it relates to power purchase cost variation for FY2006-07 to be examined separately, while levying FSA.

122. Based on the revised power purchase requirement and other changes in costs, the staff computed the gross revenue requirement for the company at Rs.5285.30 crs as against Rs.5583.25 crs filed by the Company.

EPDCL:

123. Eastern Power Distribution Company (EPDCL) filed the application for determination of retail supply tariff for FY2007-08 based on expenditure and revenue from tariffs and charges. This filing has

been made as per Commission's Multi Year Tariff Regulatory framework (Regulation 4/2005) for distribution and retail supply tariffs. As per these fillings, the total expenditure is at Rs. 2122.90 crs and revenue from tariffs and other sources is at Rs.2180.59 crs for FY2007-08.

124. The company filed the network costs as per the Multi year Tariff Regulatory Framework as is stated in Commission's Tariff Order dated 23-03-06. Accordingly, the Company filed the network costs at Rs.470.03 crs for FY2007-08. The applicant proposes to sell 7760 MU to various consumer categories for FY2007-08 and to procure 9294 MU to meet the forecasted sales including losses.
125. It is felt that the proposed sales to agricultural consumers are on higher side at 1376 MU for FY2007-08. The proposed sales are based on the company's estimates based on LV side DTR meter readings and total HP capacity. GoAP/Commission decided to get these estimates verified by a third party and accordingly the Commission requested M/s.Indian Statistical Institute, Hyderabad to carryout such verification.
126. In these circumstances, the Commission Staff adopted the agricultural consumption volumes approved by the Commission for the current year (FY2006-07) for forthcoming year (2007-08) for both LT and HT agricultural consumers. Accordingly, the Staff arrived at total sales at 7694 MU and power purchase requirement at 9214 MU for FY2007-08.
127. The Commission Staff further
 - a) recomputed the SLDC charges as per rate arrived through separate staff analysis at Rs.4.10 crs as against Rs.4.46 crs filed,
 - b) provided the supply margin at Rs.3.00 crs against zero margin filed, and

- c) did not not reckon the negative special appropriation of Rs.39.25 crs as it relates to power purchase cost variation for FY2006-07 to be examined separately, while levying FSA

Based on the revised power purchase requirement and other changes in costs, the staff computed the gross revenue requirement for the company at Rs.2118.98 crs as against Rs.2122.90 crs filed by the Company.

NPDCL:

128. Northern Power Distribution Company (NPDCL) filed the application for determination of retail supply tariff for FY2007-08 based on expenditure and revenue from tariffs and charges. This filing has been made as per Commission's Multi Year Tariff Regulatory framework (Regulation 4/2005) for distribution and retail supply tariffs. As per these fillings, the total expenditure is at Rs. 2064.76 crs and revenue from tariff and other sources is at Rs.1319.33 crs for FY2007-08.
129. The company filed the network costs as per the Multi year Tariff Regulatory Framework as is stated in Commission's Tariff Order dated 23-03-06. Accordingly, the Company filed the network costs at Rs.487.20 crs for FY2007-08. The applicant proposes to sell 7436 MU to various consumer categories for FY2007-08 and to procure 9213 MU to meet the forecasted sales including losses.
130. It is felt that the proposed sales to agricultural consumers are on higher side at 3442 MU for FY2007-08. The proposed sales are based on the company's estimates based on LV side DTR meter readings and total HP capacity. GoAP/Commission decided to get these estimates verified by a third party and accordingly the Commission requested M/s.Indian Statistical Institue, Hyderabad to carryout such verification.
131. In these circumstances, the Commission Staff adopted the

agricultural consumption volumes approved by the Commission for the current year (FY2006-07) for forthcoming year (2007-08) for both LT and HT agricultural consumers. Accordingly, the staff arrived at total sales at 7181 MU and power purchase requirement at 8876 MU for FY2007-08.

132. The Commission Staff further:
- a) recomputed the SLDC charges as per rate arrived through separate staff analysis at Rs.3.98 crs as against Rs.4.33 crs filed,
 - b) provided the supply margin at Rs.4.24 crs against zero margin filed, and
 - c) did not reckon the negative special appropriation of Rs.39.76 crs as it relates to power purchase cost variation for FY2006-07 to be examined separately, while levying FSA.
133. Based on the revised power purchase requirement and other changes in costs, the staff computed the gross revenue requirement for the company at Rs.2012.10 crs as against Rs.2064.76 crs filed by the Company.

SPDCL:

134. Southern Power Distribution Company (SPDCL) filed the application for determination of retail supply tariff for FY2007-08 based on expenditure and revenue from tariffs and charges. This filing has been made as per Commission's Multi Year Tariff Regulatory framework (Regulation 4/2005) for distribution and retail supply tariffs. As per these filings, the total expenditure is at Rs. 2962.77 crs and revenue from tariff and other sources is at Rs.2455.59 crs for FY2007-08.
135. The company filed the network costs as per the Multi year Tariff Regulatory Framework as is stated in Commission's Tariff Order dated 23-03-06. Accordingly, the Company filed the network costs at

Rs.614.07 crs for FY2007-08. The applicant proposes to sell 10980 MU to various consumer categories for FY2007-08 and to procure 13485 MU to meet the forecasted sales including losses.

136. It is felt that the proposed sales to agricultural consumers is on higher side at 3624 MU for FY2007-08. The proposed sales are based on the company's estimates based on LV side DTR meter readings and total HP capacity. GoAP/Commission decided to get these estimates verified by a third party and accordingly the Commission requested M/s.Indian Statistical Institue, Hyderabad to carryout such verification.
137. In these circumstances, the Commission Staff adopted the agricultural consumption volumes approved by the Commission for the current year (FY2006-07) for forthcoming year (2007-08) for both LT and HT agricultural consumers. Accordingly, the staff arrived at total sales at 10663 MU and power purchase requirement at 13091 MU for FY2007-08.
138. The Commission Staff further:
 - a) recomputed the SLDC charges as per rate arrived through separate staff analysis at Rs.5.53 crs as against Rs.6.02 crs filed,
 - b) provided the supply margin at Rs.3.33 crs against zero margin filed, and
 - c) did not reckon the negative special appropriation of Rs.53.82 crs as it relates to power purchase cost variation for FY2006-07 to be examined separetly, while levying FSA.
139. Based on the revised power purchase requirement and other changes in costs, the staff computed the gross revenue requirement for the company at Rs.2904.57 crs as against Rs.2963.77 crs filed by the Company.

Common Issues

140. The Commission Staff did not reckon the Applicants' proposed power

purchase variation (less expenses than approved by the Commission) for the current year as part of analysis since it is regulatory issue to be dealt separately. As per the current tariff regulatory frameworks, the staff analyzed this issue in four ways in view of changing legal and regulatory conditions.

a). Current (Formulae based) Method: As per the current method, FSA is to be computed and levied subject to cost variations limited to a licensee's supply area only. Further, in this method, the FSA is not levied on all consumer classes and is thus discriminatory. As per this method, the FSA will vary from licensee to licensee and thus lead to differential FSA within the State.

b) Formulae based FSA on all Categories: Through levying FSA on all consumer classes, the discrimination may be avoided. Since the levy is limited to licensee's costs and revenues, levy of FSA based on formula may lead to differential FSA within the State.

c) Levy of formulae based Uniform FSA: The Commission may levy uniform FSA throughout the State leaving under/over-recovery issues to the subsequent tariff settings. This may be helpful to have uniform FSA throughout the State.

d) Power Purchase Cost variation true-up in place of FSA: In this method, the entire power purchase cost variation can be trued-up in subsequent tariff settings instead of levying the FSA periodically. This method is easy to implement and also provides some stability to both consumers and licensees.

PART - B

Licensees' Response on Staff presentation:

141. The Licensees have not offered any remarks on Staff presentation.

CHAPTER - V
STATEMENT OF GOVERNMENT OF ANDHRA PRADESH

142. The Government of Andhra Pradesh (GoAP) presented its views before the Commission during the public hearing at Sangareddy (District Medak) on 27th January 2007.
143. At the outset, Sri K.Devanand, Joint Secretary to Government, Energy Department, expressed happiness on behalf of the Government that the Power Sector of Andhra Pradesh had been ranked as number one in All-India Power rankings for the year 2005 by the Ministry of Power and stated that this truly manifests the Herculean efforts put in by the employees and management of the electricity utilities. He congratulated all the employees and officials for achieving this unique recognition for the State.
144. Sri Devanand added that all the electricity utilities have done exceptionally well in terms of their operational performance. APGENCO has performed consistently well and maintained a PLF of about 83.6% for the first half of the Year 2006-07. Similarly, the transmission and distribution utilities have demonstrated exemplary performance and have reduced the transmission and distribution (T&D) losses to 19.94% by October 2006.
145. He further stated that the Government is committed to the cause of providing quality and uninterrupted supply of power to all consumers in the State, particularly the consumers in rural areas. Towards achieving this objective, an important scheme of electrification of identified rural households under INDIRAMMA programme was under implementation. For the rural households and habitations, this programme is being dovetailed with the Rajiv Gandhi Grameen Vidhuteekaran Yojana Programme, he added.

146. Sri Devanand stated that the Government attaches highest priority to agricultural sector. In order to make the agricultural sector self-sustaining, power is being supplied free of cost, w.e.f. May 14, 2004. In this regard, he wished to clarify as well as emphasise that the Government is committed to supply quality power for seven hours per day to all the agricultural consumers in the State and that the commitment of GoAP towards this promise is impeccable. He mentioned that it was estimated that for the year 2006-07, projected consumption under the agricultural category was expected to exceed the estimated consumption for the year and to enable the utilities to supply 7 hours of power to consumers under this category, the Government would provide necessary financial assistance, over and above the budgetary support.
147. Mentioning that the GoAP experience of 2 ½ years of “free power supply” to agricultural consumers had shown that while farming community have largely benefited from this coveted programme of the State, Sri Devanand stated there is a need for increased self-regulation within the sector. This is required to ensure that the benefits desired out of this programme reach the needy farmers with maximum possible economy and the energy consumed is properly accounted for. Emphasizing that the utilities have to take initiatives in this regard, Sri Devanand requested the Commission to bring out necessary regulatory framework to ensure that the scheme is effectively implemented, in letter and spirit.

148. Sri Devanand stated that the Government is committed to the cause of industrial development in the State as well. He added that it was a matter of pride for him to state that Andhra Pradesh has one of the lowest industrial HT tariffs in the country. With power being one of the critical inputs and with lower power tariffs, the GoAP are able to attract large number of Industrial entrepreneurs to the State. He also expressed happiness in stating that HT Industrial sales are showing exponential growth, indicating rapid industrialization in the State.
149. Sri Devanand noted that demand for power in the State has been growing at a rapid pace in the last couple of years and this requires accelerated investments in all segments of power sector. While the transmission and distribution utilities have earmarked about Rs.11,800 crore to improve the grid network during the 11th Plan period, about 11,987 MW of capacity is planned on the generation side during the same period. He emphasised that it was only due to shortage in availability of natural gas, that all the existing gas-based power plants are operating at lower PLFs of about 50% and new gas-based stations with installed capacity of 1500 MW could not commence generation. On this, he added that the matter has been taken up with Government of India with the request that ONGC may be asked to expedite the availability of natural gas.
150. With regard to filings, Sri Devanand stated that the filings for the financial year 2007-2008 made by the utilities reflect the key objectives set by the GoAP.
151. Sri Devanand concluded by stating that the GoAP is committed to providing necessary financial assistance as needed by the sector, and re-iterated the GoAP commitment to providing the subsidy to the utilities in accordance with the provisions of Section 65 of the Electricity Act, 2003.

CHAPTER - VI COMMISSION'S ANALYSIS ON SUBSTANTIVE ISSUES

Public Hearings:

152. While appreciating the Regulatory practice of placing the Licensees' activities under public scrutiny under the Reform regime, some of the objectors have requested for more time being made available to them for making submissions and also that the participants be allowed to seek clarifications from the CMD's of DISCOMs at the end of the hearings. A number of objectors from Chittoor district have desired that the hearing for SPDCL be conducted at Tirupati or Chittoor. In respect of CPDCL it was requested to hold public hearings at more than one place in view of the large size of the DISCOM covering 7 districts and accounting for about 40% of the power consumption in the State. Some other consumer participants have insisted that the lists of objectors should be incorporated in the Tariff Order, as was being done earlier.
153. The Commission would like to reiterate its following views stated in the Tariff Order of 2006-07 (paras 141 and 144):
- "141. At the very outset, the Commission would like to point out that it has to complete the tariff determination process within a prescribed time limit for five licensees. Obviously, therefore, it can conduct public hearings only at a limited number of places. It would be appreciated that for the Tariff Order 2005-06, it held hearings at four places after a long gap and has, this year, conducted the hearings in the circles away from the headquarters of the licensees. The idea is the consumers as of many circles / districts as possible should be made aware of, and given an opportunity to participate in, the regulatory processes of the Commission. The Commission will, nevertheless, keep the suggestion for hearings at a larger number of places in mind, while drawing up the schedule of hearings for the next Tariff Order.*

142. *As regards the time allowed for expressing one's views, it has always been the endeavour of the Commission to allow each one of the participants to present his views fully. Commission however expects the consumer-participants to keep in view the Commission's own time constraints and be as brief and to the point as possible. The Commission expects them, while airing their views to confine themselves to the more important issues since their written responses are already available with the Commission.*

143. *As regards the presence of a government nominee at all the public hearings, the Commission had made a request to GoAP to this effect. The Joint Secretary, Energy Department, did attend the hearings at Karimnagar, Rajahmundry and Kurnool while another official represented the Government at Nellore. The Commission, however, does not accept the suggestion that the government nominee should respond to the issues raised at the public hearings since what is under examination at these hearings is the filings of the licensees.*

144. *Insofar as cross-examination of licensees is concerned, the Commission reiterates its earlier decision. Time permitting, however, the Commission would always request the licensees to offer clarifications on the important issues, if any, remaining unresponded”.*

154. The Commission accepts the request for incorporating the list of objectors in the Tariff Order, and accordingly the list of objectors is provided as **Annexure - J** to this Order. Further, the Commission wishes to make a specific mention of the video conference conducted for eliciting public views on the ARR / Tariff filings of DISCOMs, on 31-01-2007 perhaps for the first time in the country. The Commission notes with great satisfaction, the good response for this facility and would assure the public to take it forward in future filings with a

more convenient schedule spread over one or two days so as to have sufficient time to hear the participants from all DISCOMs, through video-conferencing facility. The Commission will shortly be hosting the proceedings of the video conference on its website. The names and other details of the participants in the video conference will also be displayed.

Deficiencies in ARR Filings:

155. Many objectors have commented that the information provided by the Licensees in the filings is not comprehensive in respect of performance of licensees. While attributing this deficiency to the possible changes in guidelines for the filings by the Commission, they expressed the view that the Commission has to formulate the guidelines from the viewpoint of ordinary consumers.

156. The Commission has noted the concerns of the objectors on the inadequacy of the data pertaining to the performance of the Licensees. While appreciating the Licensees for providing the data, pursuant to the objections received after public notice, the Commission will review the revised guidelines issued pursuant to the introduction of MYT framework and analyze the misunderstanding by Licensees, if any, in the matter of requirement of providing the data on its performance in the ARR/Tariff filings.

Request for supply of proceedings in Telugu:

157. Some associations of consumers have requested for making correspondence in Telugu and to supply copies of all the proceedings in Telugu.

158. The Commission initiated the process of printing the Tariff Order in Telugu with the Tariff Order for 2004-05. In response to a request made by the objectors in the earlier proceedings, the Commission directed the Licensees to execute consumer agreements in Telugu, and also initiated action to translate Electricity Act, 2003, into

Telugu language and accordingly addressed the Law Department of Government of Andhra Pradesh to bring out Telugu version of the Act. The Commission also directed the staff to make their presentation during Public hearings in Telugu. A Telugu version of the summary of filings is also made available by licensees at reasonable cost of Rs.10. The Commission is also taking action to bring out Telugu versions of all its Regulations. Similarly the Commission would like to ensure that the Licensees also implement this process in a phased manner. Accordingly, the Commission directs that:

“The Licensees shall bring out the Telugu version of the GTCS at the earliest, and make available copies of the same to the needy persons at a reasonable cost. Similarly, the Licensees shall take action to bring out Telugu versions of all important documents - like Annual reports etc.”

159. In order to increasingly promote the use of Telugu in all its activities, the Commission is providing a great deal of information on its website, in Telugu. In the process of e-filing, many objections were received in Telugu, and were prominently displayed on the website of the APERC.

Forums and Ombudsman:

160. In respect of the Forums established under section 42 (5) of the Electricity Act, 2003, read with Regulation No. 1 of 2004, two issues are raised in these proceedings. One pertains to the appointment of the associate Member of the Forum representing consumer associations / registered societies and the other to Ombudsman.
161. In this regard, the Commission has received confirmation on appointment of this Member in EPDCL, but there is no such confirmation from other DISCOMs. In this context, it is necessary to mention here that the Government of India (GoI) issued notification dated 26-10-2006, amending rule (7) of the Electricity Rules 2005, wherein the Appropriate Commission is empowered to nominate one

independent member familiar with the consumer affairs on the Forum constituted under section 42 (5) of the Act in addition to the Members appointed by the Licensee. The Commission will take appropriate action to review the existing Regulation and appoint the member(s) as prescribed by the Government of India.

162. The other issue is that the Forums are insisting on authorization from individual consumers in favour of the Association/Society for the latter to take up common issues like burnt meter charges, etc. It is reported that the procedure for handling the complaints by the Forums, approved by the Commission contains such provisions. The Commission will examine this aspect separately and take appropriate action.
163. As regards the Ombudsman, the suggestion is that he should not be a person concerned with DISCOMs. The Commission notes this suggestion. Presently, the Commission has designated the Secretary of the APERC to act as Ombudsman in terms of section 42 (6) of the Act. The Commission will soon notify a Regulation regarding the appointment of Ombudsman.

Fixed costs for the year 2006-07:

164. The Commission allowed Rs.141.49 crs towards fixed costs of RTPP Stage-II, Rs.169.21 crs towards fixed costs of the four new gas-based projects and another Rs.30.94 crs towards incentive for GVK and Spectrum gas plants. As generation from these plants is not likely to materialize, these amounts be deducted from the current year power purchase costs.
165. The Commission appreciates the suggestion. Necessary true-up will be made appropriately.

Fixed costs of APGENCO for the year 2007-08:

166. The APGENCO has been making submissions in public hearings that their Fixed Cost admitted by the DISCOMs is lower than the amount they are entitled to and that consequently it is facing lot of financial

hardship in running its day-to-day business operations smoothly. After careful consideration of APGENCO's submissions, DISCOMs' response and other objectors' views, the Commission, pending decision on O.P. No. 27 of 2006 and O.P.No. 4 of 2007 filed by APGENCO for fixation of its generation tariff, has:

- i. Enhanced the fixed cost by Rs. 219.35 Crs., from Rs. 1284.34 Crs. proposed by DISCOMs to Rs. 1503.69 Crs;
- ii. Made provision of Rs. 100 Crs. towards the likely financial impact on fixation of APGENCO Tariff; and
- iii. Admitted, in addition, the fixed cost of RTPP-II (Rs. 322.00 Crs.) as proposed by the DISCOMs in their filing.

Variable Cost of Hydro Power Generation for 2007-08:

167. Some of the objectors have pointed out that Hydro Power cost per unit for 2007-08 is almost double that of 2006-07.
168. The Commission would like to clarify that the variable cost of hydro power is taken as Zero except for Srisailam Left Bank Power House (SSLBPH) where the payment mechanism is based on Commission's decision vide paragraphs 475 and 476 of Tariff Order 2004-05. Thus the variable cost of hydro power represents mainly the cost of power from Srisailam Left Bank Power House. The variable cost /unit of power from hydro sources is worked out by dividing the estimated total cost of energy from this Power House by the quantum of available energy generation from all hydro sources as projected. Hence, the increase or decrease in variable cost of hydro power depends on the cost of energy from this Power House and projected availability from all hydro sources. A comparative picture is given in the table below for FY 2006-07 and FY 2007-08.

Table 3 : Comparative Variable Cost for Hydro Generation in FY 2008 Vs. FY 2007

Year	Total Availability from Hydro sources (MU)	Availability from SSLBPH (MU)	Variable Charge (Rs. /kWh)	Variable Cost (Rs.Crs.)	Average Variable Charge for Hydro sources (Rs. /kWh)
2006-07	7587.00	1164.00	1.16	135.02	0.18
2007-08	8556.46	1795.56	1.06	190.20	0.22

Profit earned by DISCOMs in 2005-06

169. A few of the consumer-participants have demanded that the DISCOMs should not be allowed to retain the profit earned by them during 2005 - 06 which should instead be passed on to the consumers. In this connection, the Commission likes to reiterate the policy enunciated by it a number of times, the last being in paragraph 154 of Tariff Order 2006-07 that “the Commission is of the firm belief that a reasonable return is sine qua non for the health of the licensees in general and the electricity sector in particular”. Just because the DISCOMs have earned some profit during the year 2005-06 does not warrant the Commission to stray from its considered policy.

Projection of surplus for 2007-08:

170. The Government of A.P. has directed, in Letter dated 14-03-07, that for the Tariff year 2007-08, uniform tariffs across the State should be maintained. The computations of the Commission for the Tariff year 2007-08 show that there will be a surplus of Rs.287.96 Crores in CPDCL, and Rs.110.70 Crores in EPDCL. Hence, the issue of how to deal with the surplus in these two distribution companies assumes importance. The Commission is of the view that the surplus in these two DISCOMs should be invested in some fruitful manner and hence requested the Government to consider advising the CPDCL and EPDCL to invest their surplus in forthcoming APGENCO projects, which would benefit the electricity sector as a whole. The State Government informed that the DISCOMs may transfer the surplus to State Government, (being the owner) to enable it to invest in the Krishnapatnam and Kakatiya Thermal Projects of APGENCO (a State Government generating

company). The two DISCOMs will be at liberty to invest the surplus that may be generated during 2007-08 as intended by the State Government.

Transmission losses:

171. DISCOMs have stated in the filings that the Commission has not accounted for the losses in the PGCIL (Power Grid Corporation of India Limited) network in arriving at the power purchase costs from Central Generating Stations (CGS) in the Tariff Order of FY2006-07 and requested for true-up during the current year for an equivalent amount to the extent of Rs. 38.26 Crores for the loss of about 415MU in PGCIL network.
172. The Commission examined the details of the actual transmission losses for FY05-06 (April to September) furnished by APTRANSCO in its multi-year ARR filing for the period FY2006-07 to FY2008-09 (form 3.3 page 152). The Commission examined these figures with reference to the values of energy inputs shown in the monthly statements furnished by APTRANSCO, and observed that these are generally tallying with the Ex-bus energy inputs from Central Generating Stations. Thus the Commission is satisfied that the energy input of CGS shown in the filings for FY2006-07 to FY2008-09 was ex-bus energy and accordingly considered the energy injected from the CGS units into the Grid to be ex-CGS and concluded that the figures of losses indicated in the Transmission Tariff Order for FY2006-07 to FY2008-09 are inclusive of PGCIL losses. Hence no further true-up of loss figures is considered to be necessary.

Agriculture consumption estimate:

173. The Government, in its letter No. 870/Pr.II(1)/2006-1 dated 03.11.2006, has desired that 3rd party verification of agricultural consumption should be undertaken by the Commission. Accordingly, the verification of agricultural consumption quantities filed by the licensees was entrusted by the Commission to the Indian Statistical

Institute, which has taken up the work. It was expected that the Indian Statistical Institute would submit its report, which could serve as an input to the tariff setting process by the 25th of February 2007. However, the Indian Statistical Institute has not so far submitted the report, and it appears that some more time will be needed for it to do so.

174. In these circumstances, the Commission would like to complete the tariff setting exercise even without the report of the Indian Statistical Institute being available. In view of the short time available for issuance of the Tariff Order for 2007-08, the Commission has decided to adopt for this purpose the agricultural consumption figures of Tariff Order for 2006-07. As and when the report of the Indian Statistical Institute is received, necessary adjustments can be considered.
175. The CPDCL has on its own undertaken a detailed survey on distribution transformers (DTRs) and agricultural pump sets under these DTRs in some of the areas in its jurisdiction. It might be worthwhile to have such a detailed survey conducted throughout the State, before arriving at a firm conclusion regarding agricultural consumption. The Indian Statistical Institute could also be actively involved in this survey. For the present, the Commission is requesting the CPDCL to make available the information gathered during its survey, to the Indian Statistical Institute for consideration.

Regularisation of un-authorised Agricultural connections:

176. A number of objectors including some Farmers' Associations have stated that though the State Government had assured to regularize un-authorised Agricultural connections and the DISCOMs have declared that there are 3.2 lakh un-authorised connections, yet no connection have regularized so far.
177. The Commission finds that the response of the DISCOMs to the issue is not clear and categorical. If the statement of the objectors is true, it

is high time that the Licensees should initiate steps to either dismantle or regularize the un-authorized connections.

178. As a first step, the Commission directs that:

“the Licensees to conduct census of the un-authorized agriculture connections and submit the same by 31-05-2007”. All such un-authorized connections should be removed within a period of 6 months i.e., by 31-11-2007. The DISCOMs shall be at liberty to take up the matter with the State Government for regularization, if any regularization is contemplated under Government policy. The DISCOMs shall file their action plans in this regard by 31-07-2007.

DSM measures:

179. In regard to the GoAP policy for free supply of power to agriculture consumers and in the allied issue of DSM measures, a number of farmers and farmer-organizations have represented that (i) the Government should bear 100%, instead of 80%, cost of replacement of existing motors by ISI-make motors; (ii) replacement of iron pipes with HDPE pipes may not be insisted upon as the energy saving is only marginal (1.6%); (iii) free supply should not be denied for paddy in Rabi crop since the farmers in any case use 7 hours' supply even for artinate crops, etc.

180. The Commission likes to clarify that free supply of power to agricultural consumers and the relates issue of DSM measures, etc. are part of a policy decision of the State Government. The Commission would, therefore pass on these comments for consideration by GoAP.

24-hr supply to Rural areas:

181. Rural areas should also be given 24-hr supply on par with urban areas as the same tariffs are charged for both the areas. While the

Commission made an observation in para 248 of the Tariff Order for 2005-06, regarding arrangements for 24-hr supply to villages, hundreds of villages are not getting even 3 to 4-hr supply. The Commission should issue directives for a survey on the power supply to the rural areas to improve the power supply position for Rural and agro-based industries.

182. The Commission notes the response of the Licensees on this aspect. The Licensees may file the status of these proposals in the ensuing filing for ARR / Tariffs for 2008-09.

Supply hours for Lift Irrigation Schemes:

183. Some farmers' organizations have represented that though the state Government has promised 12/16-hour supply for Lift Irrigation schemes, the Licensees are not implementing the same.
184. The DISCOMs (NPDCL, SPDCL) have replied that 16-hour supply is being given wherever exclusive feeders are available and in some cases the exclusive feeders are being laid as per the payments made by the Government.
185. The Commission advises the Licensees to implement the instructions of the Government.

Safety measures:

186. What are the details of safety measures undertaken by DISCOMs pursuant to the directive of the Commission and allotment of Rs.5 crs (paras 186 and 365 of Commission's Order on Retail Supply Tariffs for 2006-07 refer) to take up measures for preventing electrical accidents?
187. The Commission is not satisfied with the response of the Licensees on the directive issued by the Commission in the Tariff Order 2006-07 (para 186) and action on the allocation made for taking up required measures vide para 331. None of the Licensees have apprised the

Commission about the specific action plan, if any, finalized by them. It may be true that the Licensees might be taking up necessary measures as stated in their replies to the objectors, but what is required by the Commission is a planned action aimed at achieving the object of enhancing the safety against accidents to the public.

188. Accordingly, the Commission directs that ***“the Licensees shall file the action plan to adhere to appropriate safety standards, to periodically inspect their electrical - installations, to take prompt action to rectify and shortcomings noticed or brought to their notice and to lay down a time schedule therefor as required to be filed by them in terms of para 186 of Tariff Order 2006-07, by 30-09-2007”***.

Accidents - Compensation:

189. While pointing out the default of the licensees in not complying with the directive of the Commission in para 186 of the Tariff Order 2006-07, many objectors have requested for enhancement of the Compensation to Rs. 2 or 3 lakhs for persons and Rs.25000 for animals meeting with fatal accidents.
190. The DISCOMs have stated in their responses to the objections from public that the DISCOMs are finalizing this matter. In the context of the growing instances of accidents appearing in press, the Commission directs that:

“the DISCOMs to work out, and display on their website a transparent procedure for determination and payment of compensation in such cases, by 30-09-2007”.

Standards of performance - Compensation to affected consumers

191. It is brought to the notice of the Commission that there have been instances of default by the Licensees in complying with the Standards

of Performance specified by the Commission in the Regulation No.7 of 2004. The said Regulation provides for payment of compensation by the licensees to the affected consumers for default on the part of the Licensees in complying with the Standards and the Licensees are also required to submit monthly and annual reports, inter-alia, indicating the number of cases and amount of compensation paid for such defaults. Noting that these reports are not being received, the Commission directs that:

“The DISCOM shall duly submit quarterly reports to the Commission furnishing intra-alia the details of compensation paid to the affected consumers pursuant to the defaults in complying the Guaranteed Standards of Performance specified in the Regulation No 7 of 2004, as required under clause 5 thereof”.

Railway Traction Tariff

192. The Commission has examined the contention of the Railways that their tariffs need to come down as their cost-to-serve is also coming down, and having examined the arguments put forward would like to state the following.
193. Firstly, the Railways (HT - V Railway Traction) is a cross-subsidizing category. As pointed out by the DISCOMs in the public hearing, the issue of cross-subsidy is nothing new for Railways as the fixation of their own tariffs for different consumer (passenger) categories and between freight transportation and passenger transportation involve cross-subsidy among categories. Secondly, the Railway tariff (HT-V Railway Traction) is a single-part tariff. In the earlier tariff hearings, the railways had expressed their dissatisfaction inter-alia with the seemingly high energy charge under the single-part structure compared to the energy charge in the two-part tariff of other cross-subsidising HT-categories. The Commission had accordingly directed the Licensees to file a two-part tariff in FY2006-07. The Railways however pleaded instead strongly for the retention of single-part

tariff for FY2006-07. The Commission accepted their view and retained the single-part structure. The single-part tariff was fixed at Rs.4.20/unit in FY2006-07 as against the prevailing tariff of Rs.4.40/unit. It needs to be emphasized that the reduction in tariff in real terms is more than 20 paise than what it would have been had a two-part tariff were to be fixed.

194. The Commission for FY 2007-08 however, has taken the decision to lower the tariffs for Railways for FY2007-08 from Rs.4.20/ unit to Rs.4.10/unit although the DISCOMs have proposed retaining the rate at Rs.4.20/unit while retaining the single-part structure. The decision is based on the appreciation of the fact like electricity the Railways are a critical infrastructure and its viability and growth are important. The Railways will appreciate that on the same considerations, the viability of the electricity distribution companies is equally important.

Pisciculture units (below 10 HP load):

195. The farmers' associations pertaining to Pisciculture, while expressing gratitude for the subsidized tariff fixed for loads below 10 HP, have represented that presently 7-hr supply is given at the tariff of 90 p/unit, and when they requested the licensee to extend the supply to 24 hours, they are asked to pay the Industrial Tariff of 375 p/unit. They have proposed to avail 12-hr supply from 9 PM to 9 AM and requested the tariff to be fixed at 120 p/unit.
196. The proposal perhaps needs earnest consideration by the DISCOMs as it serves the object of TOD (Time-of-Day) tariff to help the demand side management measures to be pursued by the Licensees. The Licensees are advised to examine the proposals in detail and come up with proposals of TOD tariff for Industrial consumers, including Pisci / Prawn culture, during the next tariff filings for 2008-09.

Tariff for religious places and educational institutions:

197. Some consumers have requested the Commission that the tariff for religious places and private educational institutions is high and may be reduced.
198. The Commission had examined the issue in 2005-06 and again in 2006-07, vide paragraphs 262 to 264 Tariff Order FY 2005-06 and paragraphs 205 and 206 Tariff Order FY 2006-07, and continues to be of the view that the proposal cannot be accepted.

Tariffs for Nurseries:

199. Some of the Nurseries Associations have represented for classification of the Nurseries under Agriculture category stating that it is an agricultural activity.
200. In view of the free power supply being allowed for Agriculture category as per Government Policy, the Commission is not in a position to accede to the request unless the Nurseries are specifically covered under the Agricultural supply policy announced by the State Government in January 2005 and the Government agrees to provide requisite subsidy.
201. The DISCOMs may collect necessary data and work out the financial implications and obtain the views of the State Government if the Nurseries are to be classified under Agriculture category and furnish the same to the Commission for consideration by the Commission.

Lighting load in poultry farms:

202. An association of poultry farmers represented that the lighting load within the sheds should be treated as industrial load and should not be considered under the lighting load. They also enclosed a certificate issued by the Joint Director, Animal Husbandry, Kakinada, in support of their contention that artificial lighting acts as powerful stimulus to laying birds and promotes increased production. While appreciating the need for lighting load for improving the egg

production as contended by the Poultry Farmers' Association, the Commission notes that this is a uniform condition applicable for all the consumers under the LT category III(A) and any exemption requires detailed study. Further in this case, the Licensee (EPDCL) did not agree with the request of the Association, though no reasons were given. Under the circumstances, the Commission directs that:

“the Licensees shall examine the claim of the Poultry Farmers’ Association in the light of the pleadings made by the Association and file their specific proposals on relaxations, if any, to be granted in respect of lighting load in poultry farms, while submitting ARR/Tariff filings proposals for 2008-09”.

Smithy and Carpentry units, Engineering and Iron works (small units)

203. Some consumer associations have requested that Smithy and carpentry may be recognized as Agro-based domestic industry with tariff at 90 p/unit for connected load up to 10 HP, as in the case of pisci and prawn culture units of below 10 HP under LT Category - III (A). Similarly small Engineering and Iron Works up to 10 HP may be classified under LT Category - IV, Cottage Industry. Further, modern welding units are not being treated as equivalent to furnace of the Smithy and the welding units are not classified under LT Category - IV.
204. The Commission re-iterates its decision of non-acceptance of the request in respect of Small Engineering and Iron Work units up to 10 HP as cottage industry as incorporated in para 204 of the Tariff Order 2006-07 that such units do not have the attributes of a cottage industry.
205. Regarding the concessional tariff as sought for smithy and carpentry units as in the case of pisci/prawn culture units of below 10 HP, @ 90 p/unit, it is relevant that such concessional tariff was allowed to

pisci/prawn culture units on the basis of the subsidy granted by the State Government. Therefore, in this case also, the Commission can consider the request only if the State Government agrees to provide subsidy. As to the permission for use of welding sets in smithy, the response of Licensees is in the negative. Having regard to the purpose of the classification of cottage industry with the limitation of 5 HP, the nature and composition of loads in smithy industry within the limit of 5 HP, it is a matter of discretion of the competent officers of Licensees to make appropriate decision(s), taking into record the proportion of utilization of different equipment to produce the end-product in the smithy units. The Commission is not inclined to give any ruling on this issue.

Single-point supply at HT for townships and residential colonies under Category VI

206. As per the existing conditions under HT Category - VI, the HT Industrial consumers under HT categories - I to V and are entitled to avail supply under HT Category - VI
207. The Commission has since issued a clarification on dt 30-10-2006, that the townships / residential colonies availing HT supply can be billed under HT Category VI irrespective of the status of the owner/operator, subject to other conditions specified for that category. Further, the Government of India notified an order dated 09-06-2005 under section 183 of the Electricity Act 2003 to remove certain difficulties in release of supply at single point, (i) to any co-operative group housing societies for making electricity available to its members, and (ii) to any person for making electricity available to his employees. Accordingly, the Commission has incorporated consequent modifications in this Order as regards the applicability of HT Category - VI (Townships and Residential colonies), in consonance with the said orders of the Government of India, vide part A of **Annexure - D** to this Order.

Security Deposit:

208. An objector has pointed out that the collection of additional consumption deposit is a deviation from Section 61(d) of the Act, as the mode of collection does not safeguard consumer interest. When the average consumption in the previous year is less, the Licensee is not refunding excess deposit.
209. The Commission clarifies that the Licensees are bound to refund the excess deposit if any or adjust it against the bills raised on the consumer by May of every year and failure of licensee to do so attracts penal interest at twice the normal rate for the delay under the provisions of clauses 7 and 9 of the Regulation No. 6 of 2004. The affected parties are entitled to, and should approach the respective Forum for Redressal of Consumer Grievances to claim any redressal on this account.

Copy of Test Reports on defective meters:

210. One consumer organization has complained that copies of the test reports conducted on consumers meters are not being given to the consumers and they are also not being allowed to record their views. The Commission is unable to appreciate the casual reply from the DISCOM (SPDCL) that the consumers can record their remarks / complaints on the test reports. The Commission fails to comprehend how can a consumer do so when the test report is not being made available to him. The Commission therefore, directs that:

“SPDCL in particular and all other DISCOMs in general, will ensure that copies of the test reports conducted on the consumer meters are invariably made available to the consumers to afford an opportunity to them to record their comments”.

Re-connection charges without disconnection:

211. It has been represented that the licensees are collecting reconnection fees of Rs.50 without actual disconnection in spite of the orders of

the Commission in the earlier Tariff Order.

212. The Commission finds the replies given by some of the DISCOMs that the reconnection charges are payable if the payment is not made by the due date, as violative of the Directives of the Commission in the Tariff Order of 2006-07 (Para 211).
213. The Commission re-iterates that ***“Licensee shall adjust all such un-authorized collections in the future C.C. bills along with interest @ 24% p.a. Further, the affected consumers are entitled to approach the respective Forums for Redressal of Consumer Grievances if such payment is demanded by the Licensees”***.

Minimum charges for Domestic consumers

214. Some objectors of SPDCL have represented that the Licensees are collecting minimum charges of Rs. 50/month instead of Rs. 25/month even from the consumers whose connected load is below 250 watts.
215. The DISCOM denied this and confirmed that minimum charges are collected @ Rs. 25/month from the domestic consumers whose connected load is 250 kW or less. The Commission therefore requests the objectors to refer the specific cases if any in which the Licensee has collected higher minimum charges to the Forum for Redressal of Consumer Grievances of SPDCL for resolving the grievance in terms of Regulation No.1 of 2004.

Fixing of meters on poles:

216. While some objectors wanted to know the impact of the initiative on pole-mounted metering, one of the objectors has expressed concern on forcible shifting of meters to the poles and for taking readings without the presence of the consumer and issue of bills arbitrarily.
217. The Commission notes that no analysis is given by the CPDCL in its

reply to the objections/suggestions from public on pole-mounted metering. The Commission desires to know of the extent of the pole-mounted metering work and its impact on reduction of losses. The Commission therefore directs that:

“the CPDCL to furnish the data of loss reduction on the 11 kV feeders and also improvement in revenues from services in the areas where pole-mounted metering was implemented. This information may be filed with the Commission by 30-06-2007 and may also be kept on its website”.

Classification of Telephone Exchanges and Oil Depots / Bottling plants

218. The Bharat Sanchar Nigam Limited (a telecom services provider) represented for re-classification of its Telephone Exchanges on certain grounds including the one that the Finance Act 2002-03 has accorded industry status to all telecom companies. It has accordingly pleaded that HT connections to its telephone exchanges, presently categorized as HT-II - Non-Industrial, be re-categorized as HT category -I (Industrial).
219. Similarly, certain oil companies have represented that their oil depots and bottling plants presently categorized as HT-II Non-Industrial be re-categorized as HT-I (Industrial) on the plea, inter-alia, that they are licenced under the Factories Act.
220. The electricity consumer classification and categorisation for the purpose of levy of electricity charges are made on the basis of the purpose of the use of the electricity, and are not related to the classification made by various governments for some other purpose. Thus, as earlier also stated by the Commission in para 305 of its Tariff Order for 2005-06, the electricity consumer classification and categorization for the purpose of electricity charges are made on the basis of the purpose of use of the electricity, and are not related to the classification made by different departments of State

Government or Central Government for some other purpose. Thus the classification followed either in State Government, or in other States is not a guiding principle for fixation of tariff for any particular class of consumers. The Commission, however, recognizes the cardinal principle that any reasonable classification should have a rationale that has nexus to the objective sought to be achieved by such classification. From this point of view, the Commission believes that activities of all the above classes of consumers have to be treated only as commercial activities and be classified as such

Expenditure on e-seva

221. Many objectors have questioned the continued violation of the directions of the Commission by DISCOMs, in making payments to e-seva for collection of charges from consumers. The Commission is not satisfied with the justification offered by DISCOMs that this expenditure is absorbed through efficiency gains. The Commission hereby directs that:

“the Licensees to stop the bill collection through e-seva with effect from 01-04-2007. Continuance of e-seva services by DISCOMs in 2007-08 would be considered as a violation of Commission’s orders and the Licensees will be liable for action under section 142 of the Act. Action will also be initiated against the officers who are responsible for flouting the directives of the Commission repeatedly”.

Clean Development Mechanism:

222. Some of the objectors have represented that benefits of CDM in the case of non-conventional energy projects to be passed on to the consumers. In this connection, the Commission invites reference to the clause 5.3 (i) of the Tariff Policy notified by Gol on 06.01.2006, providing that the tariff fixation for all electricity projects that result in lower Green House Gas (GHG) emissions than the relevant baseline should take into account the benefits obtained from CDM into

consideration, “in a manner so as to provide adequate incentive to the project developers”. As of now atleast, the Commission would only like to promote generation projects with lower GHG emissions and would not like to take away the incentive of CDM credits, if any, accruing to them.

Energy Conservation Act:

223. Some objectors have stated that the provisions of the Energy Conservation Act 2005 should be implemented and desired to know of the status of its implementation by the DISCOMs, especially in the matter of energy audit of Industries.
224. The National Electricity Policy (para 5.9) also envisages compulsory energy audit for power-intensive industries and the industries are to be encouraged to adopt energy audit and energy conservation measures. Having regard to the need for compliance with provisions of the Energy Conservation Act 2005, the Commission directs that:

“The DISCOMs shall submit a report on the action taken to implement the provision of Energy Conservation Act 2005. They shall also submit proposals for offering suitable incentives to the Industrial consumers who comply with the provisions of the Energy Conservation Act 2005. The report along with the proposals on incentives may be submitted to the Commission by 30-09-2007”.

CHAPTER - VII PARAMETERS FOR ANALYSIS OF THE REVENUE REQUIREMENT

225. The Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity, (Regulation No. 4 of 2006) and the Guidelines issued thereunder for Tariff Filing of Retail Sale of Electricity have outlined the broad principles for analyzing the ARRs of the DISCOMs for the Retail Supply business in the MYT framework. The Commission considers it appropriate to discuss here the power purchase cost approved in the ARR of the Retail Supply Business of FY 2007-08. Similarly, the tariff design and determination of Commission tariffs is explained.

PART A

POWER PURCHASE COST

Energy availability:

226. The DISCOMs have filed the total availability of energy from different sources for FY 2007-08 as 60,231.52 MU including provision for bilateral purchase of 1260.79 MU during the months when the projected demand exceeds the projected supply from all contracted sources for FY 2007-08. Broadly, the sources of energy are as shown in the Table below. The station-wise and month-wise availability is shown in **Annexure-E(i)**. The Commission has modified the availability considering the data of the maintenance schedules. The revised availability is 60181.07 MU including provision for bilateral purchase of 19.43 MU. The revised station-wise and month-wise availability is shown in **Annexure-E(ii)** and the same month-wise and station-wise availability was used for computation of cost of energy for FY 2007-08.

**Table 4 : Source-wise availability of energy for FY 2007-08
(MU)**

Source of Energy	DISCOMs filing For FY 2007-08	Approved for FY 2007-08
APGENCO:		
a) Thermal stations	23,492.72	24,546.96
b) Hydel stations	8,456.46	8,592.13
CGS-SR	11,664.77	11,664.77
NTPC-Simhadri	7,399.00	7,400.00
APGPCL	342.33	342.33
IPPs	5,023.03	5,023.03
OTHERS : a) Non-Conventional	2,482.21	2,482.21
b) Mini Power plants	110.21	110.21
c) Bilateral, PTC etc.	1,260.79	19.43
TOTAL	60,231.52	60,181.07

Energy requirement:

227. The DISCOMs filed the combined requirement of energy to be purchased during FY 2007-08 as 58,552.49 MU based on the aggregate sales of 47,592.37 MU and grossed up for losses in Transmission and Distribution networks including PGCIL losses. The DISCOMs were asked to furnish their voltage-wise losses as against the combined losses for LT, 11KV and 33KV levels put together as filed by them. The voltage-wise losses in percentage terms furnished by the DISCOMs in response are shown in the Table below:

Table 5 : Voltage-wise percentage losses as filed by DISCOMs

% age loss for input at voltage level	APEPDCL	APCPDCL	APNPDCL	APSPDCL
PGCIL loss as % of PGCIL input	3.96%	3.96%	3.96%	3.96%
Transmission loss %	3.80%	3.80%	3.80%	3.80%
33kV loss as % of 33 kV input	5.92%	3.84%	5.18%	4.25%
11kV loss as % of 11 kV input	--*	7.20%	--**	12.79%***
LT loss as % of LT input	--	10.62%	--	

* APEPDCL has taken the MYT distribution loss of 15.83 % for LT, 11 kV and 33 kV combined together out of which 5.92 % is taken for 33 kV voltage level.

** APNPDCL has taken the MYT distribution loss of 18.01 % for LT, 11 kV and 33 kV combined together out of which 5.18 % is taken for 33 kV voltage level.

*** APSPDCL has taken the MYT distribution loss of 15.86 % for LT, 11 kV and 33 kV combined together out of which 12.79 % is taken for LT and 11 kV voltage levels combined together.

228. The Commission had directed the DISCOMs in May, 2005 to compute the losses in distribution system by taking input and sales at each voltage level excluding the energy sales in EHT system. As a baseline work, the Commission vide **Annexure - G** of its Order dated 23rd March 2006 on Distribution Tariffs for 2006-07 to 2008-09 and Retail Supply Tariffs for 2006-07, presented the power purchase quantum (in MU) with Voltage-wise Sales (in MU) and Voltage-wise Loss(%) for Retail Supply Tariffs 2006-07. The DISCOMs (with the exception of APCPDCL) in their ARR/FPT filings for FY 2007-08 put the combined losses for all L.T.Categories and H.T.Categories (11kV) together. They did not, however, file voltage-wise losses separately for LT and 11 kV levels for computation of the monthly quantum of energy required to be purchased corresponding to the sales at different voltage levels. The DISCOMs, however, maintained their combined distribution loss up to 33kV limited to the Distribution Loss stipulated by the Commission for respective DISCOM in the MYT order for the First Control Period (FY 2006-07 to FY2008-09) vide Tariff Order dated 23rd March, 2006. The losses for 33 kV level for each DISCOM are also available in the said Order.

The Commission directs that:

“In their future filings, the DISCOMs shall invariably submit the break-up of losses at each voltage - level such as LT, 11kV and 33 kV for grossing up of month wise sales to arrive at the power purchase requirement consistent with MYT losses”.

229. The Commission adopted the loss levels of LT and 11kV as shown in the table hereunder, considering the loss levels adopted in FY 2006-07 Tariff Order with appropriate reduction with reference to the MYT distribution loss levels for FY 2006-07. The Commission in its computation of energy requirement has used these loss levels of respective DISCOMs except the loss percentage for 132kV & above level. For the latter, the Commission has adopted the loss percentage of 4.30% for FY 2007-08 as determined in its Order dated 23rd March, 2006 (in O.P.No.1 of 2006) on determination of Transmission tariffs. The losses adopted for FY 2007-08 at different voltage levels are as shown below:

Table 6 : Voltage-wise percentage losses as adopted by APERC

% age loss for input at voltage level	APEPDCL	APCPDCL	APNPDCL	APSPDCL
PGCIL loss as % of PGCIL input	Included in transmission loss			
Transmission loss %	4.30%	4.30%	4.30%	4.30%
33kV loss as % of 33 kV input	5.92%	4.00%	5.18%	4.67%
11kV loss as % of 11 kV input	4.78%	7.04%	5.21%	5.06%
LT loss as % of LT input	8.26%	11.00%	10.10%	9.01%

230. The Commission has adopted losses as stipulated in the Multi Year Tariff (MYT) loss reduction trajectory for both transmission (including PGCIL) and distribution networks. The detailed calculations for arriving at the energy requirement of respective DISCOM are shown in Annexure-F. The Table below shows the DISCOM-wise break-up of

sales and energy requirement as filed by them and as approved by the Commission. The Commission has accepted the sales for all categories as filed by the DISCOMs except for the LT Agricultural Category, where the sales of each DISCOM have been limited to the approved quantum of respective DISCOM for FY 2006-07 (ref:Annexures-H(i) to H(v)). This has been dealt in detail in Paras 120,125, 130 and 137

Table 7 : Sales and Power Purchase Requirement

(MU)

DISCOM	As filed		As approved	
	Sales	Purchase Requirement	Sales	Purchase Requirement
APEPDCL	7,759.78	9,293.69	7,735.17	9,249.80
APCPDCL	21,416.83	26,561.18	20,002.79	24,740.69
APNPDCL	7,435.83	9,212.62	7,121.99	8,798.26
APSPDCL	10,979.93	13,485.00	10,750.24	13,178.38
Total	47,592.37	58,552.49	45,609.69	55,967.12

Energy Despatch:

231. As per section 32 of the Electricity Act, 2003, the State Load Despatch Centre (SLDC) is the apex body to ensure integrated operation of the power system in the State and is also responsible for optimum scheduling and despatch of electricity within the State, in accordance with the contracts entered into with the licensees or the generating companies operating in the State.
232. The monthly availability of energy from different power stations was used for monthly Merit Order Despatch. Thereafter, the monthly energy requirements of all the four DISCOMs were stacked up and the stations despatched according to their availability in the merit order for the respective months to arrive at the optimum cost of energy. The month-wise and station-wise despatches in MU as adopted for computation of cost of energy are given in **Annexure-E(iii)**, and adopted for the combined energy purchase requirement of all the

four DISCOMs during FY 2007-08.

The Commission directs that *“the DISCOMs shall furnish a monthly report on deviations along with reasons for such deviations in actual dispatch of Generating Stations in Merit Order compared to the monthly dispatch schedule adopted in this Tariff Order showing the quantum of energy in MU for each generating station. This monthly report must be placed on the DISCOMs’ websites. They are also directed to follow the directive of the Commission vide paragraph 479 in Tariff Order 2005-06 on maintenance schedule based on demand & supply position in different months”*.

Cost of energy:

APGENCO

233. The DISCOMs have submitted that a fixed cost of Rs.1,284.34 Crs. for FY 2007-08 has been estimated by APPCC (A.P. Power Coordination Committee, a body coordinating various activities of the DISCOMs) based on a proposal submitted by APGENCO (A.P. Power Generation Corporation Limited) and the same has been reflected in their ARR. In addition, they have proposed Rs.322.00 Crs. as the fixed cost for RTPP Stage - II, which is expected to commence commercial operation with effect from April 01, 2007. During the public hearings, APGENCO had deposed that the fixation of their tariffs should be in accordance with the principles adopted in the last Tariff Order till such time as the Commission issues its Order on their petition in O.P.No. 27 of 2006 and in O.P.No.4 of 2007. The Commission examined the submissions made by APGENCO, and the costs proposed by the Licensees and considered it appropriate to provide the total fixed cost of Rs.1,825.69 Crs. for FY 2007-08 for all the power stations (both Thermal & Hydel) of APGENCO. Furthermore, provision of Rs.100 Crs. has been made keeping in view the likely financial impact of the order arising out of the petition

filed by APGENCO for determination of Generation tariff (O.P.No.27 of 2006 and O.P.No.4 of 2007).

234. The Commission, in its computation of cost of energy, has adopted the station-wise variable costs of APGENCO's existing thermal stations based on fuel cost adjustment (FCA) bill of APGENCO for the month of September, 2006 as proposed by the DISCOMs. The variable cost of RTPP Stage II is taken as Rs.1.47/kWh. These costs are shown in the Table below:

Table 8: Variable Charges

Station	Variable cost (Rs./kWh)
VTPS(I,II,III)	1.2583
RTPP Stage I	1.6296
RTPP Stage II	1.4700
KTPS (A,B,C)	0.9953
KTPS-D (KTPS-V)	1.0118
RTS-B	1.2089

Costing of power generated from SSLBPH:

235. For Srisailam Left Bank Power House (SSLBPH), the DISCOMs have proposed a weighted average variable cost of Rs.1.06/unit (Non-monsoon = Rs.1.63, Monsoon = Re. 0.64). They have considered the period from June to October as monsoon period and November to March as non-monsoon period. The Commission has adopted this rate only for the purpose of estimation of power purchase cost for FY 2007-08. As mentioned in paragraph 167 of Tariff Order for Distribution and Retail Tariffs dated 23rd March, 2006, the Commission has, however, decided that the payment for the power generated from SSLBPH will continue to be made as per the methodology specified in paragraphs 475 to 477 of Tariff Order 2004-05 and reiterated in paragraph 375 of Tariff Order, 2005-06.

236. The Commission re-iterates its directive under paragraph 267 of Tariff Order for Distribution and Retail Tariffs dated 23rd March, 2006, which is quoted below:

DISCOMs should closely coordinate with APGENCO to ensure that no unit of Srisaïlam complex (Left Bank Power House and Right Bank Power House) is backed down or shut down during the surplussing season. In case of generation of surplus energy by them over and above the requirements of DISCOMs and other users of energy, they should shut down some unit(s) of Thermal Power Stations with marginal variable cost in the merit order if reduction of generation up to backing down limit does not help bring down the frequency to a safe level.

Central Generating Stations:

237. The Commission has accepted the fixed charges and variable charges for Central Generating Stations (CGS) as filed by the DISCOMs. The DISCOMs have considered the variable cost of September, 2006 for projecting the power purchase costs of CGS for FY 2007-08. These costs are shown in the Table below:

Table 9 : Power Purchase Costs for CGS Stations for FY 2007-08

Station	Capacity allocated to AP (MW)	Fixed cost for FY 2007-08 (Rs.Crs.)	Variable charges (Rs./kWh)
NTPC - SR (Ramagundam) Stage I & II	677.25	151.59	0.9724
NTPC - SR (Ramagundam) Stage III	160.70	75.60	1.0920
NLC TPS II Stage I	105.71	19.13	1.1408
NLC TPS II Stage II	191.52	49.74	1.1408
NPC-MAPS	31.76	--	1.8211
NPC-Kaiga	70.00	--	3.3000
NTPC Talcher Stage-2	450.00	222.92	0.6389
NTPC Simhadri	1000.00	458.72	0.9215

The DISCOMs have also projected Rs.14.69 Crs. (Rs.11.84 Crs. for NTPC SR Stage I & II, Rs.2.85 Crs. for NTPC SR Stage III and Rs.7.50 Crs. for NTPC Talcher Stage -2) towards incentive amount for FY 2007-08 and the same has been accepted by the Commission.

APGPCL:

238. The DISCOMs have proposed the following cost structure for purchase of energy from A.P.Gas Power Corporation Limited (APGPCL) as per the existing Memorandum of Understanding:

Table 10 : Power Purchase Costs for APGPCL for FY 2007-08

APGPCL	Demand Charge(Rs./kVA)	Fixed Cost (Rs./kWh)	Variable Cost (Rs./kWh)
Station-I	75.00	0.22	1.12
Station-II	--	0.66	1.23

239. Based on the above, the fixed charges for Stations-I & II of APGPCL come to Rs.2.32 Crs. & Rs.18.48 Crs. respectively, for FY 2007-08, and have been accepted.

IPPs:

240. The Commission has accepted the fixed charges and variable charges of Independent Power Producers (IPPs) as filed by the DISCOMs. The DISCOMs have considered the variable costs of September, 2006 for projecting the overall cost for FY 2007-08. These costs are shown in the Table below:

Table 11 : Power Purchase Costs for IPPs for FY 2007-08

Station	Capacity for AP (MW)	Fixed cost for FY 2007-08 (Rs.Crs.)	Variable charges (Rs./kWh)
GVK	216.82	155.95	1.1883
Spectrum	208.31	142.27	1.1310
Kondapalli	351.49	316.30	1.2888
BSES/Reliance	220.00	150.82	1.1463

Other sources:

a) Mini Power Plants:

The DISCOMs have projected availability of 110.21 MU from Mini power plants viz., Srivathsa (17.20 MW) @Rs. 1.3887/kWh and LVS (36.80 MW, which has been shut down because of higher variable charges @Rs.5.07/kWh). The Fixed Cost of Srivathsa works out to Rs.12.83 Crs., and that of LVS is Rs.28.29 Crs.

b) Non-Conventional Energy (NCE) sources:

The DISCOMs have projected purchase of 2482.21 MU from NCE sources, which has been accepted by the Commission. The cost break-up of this quantum of energy is given in the Table below:

Table 12 : Power Purchase Costs for NCE Sources for FY 2007-08

Station	Energy (MU)	Cost of power (Rs.Crs.)	Other cost * (Rs. Crs.)	Total charges (Rs./kWh)
NCE - Biomass	1,238.65	357.97	33.82	2.89
NCE - Bagasse	726.56	197.62	16.98	2.72
NCE - Municipal Waste to Energy	70.30	26.01	--	3.70
NCE - Industrial Waste to Energy	129.96	38.99	1.43	3.00
NCE - Wind Power	117.62	33.76	--	2.87
NCE - Mini Hydel	178.89	40.79	6.74	2.28
NCE - NCL Energy Ltd.	20.23	3.64	--	1.80
Total	2482.21	698.78	58.97	3.05

* Cost differential as per orders of High Court, as filed by DISCOM

241. In addition to the 2,482.21 MU purchase from NCE sources, the Commission has treated the power purchase of 47.62 MU from Mini Hydel Stations of APGENCO with the capacity of 20 MW and below, such as PABR (20 MW yielding 9.80 MU), Nizamsagar PH (10 MW; 9.80 MU), Singur PH (15 MW; 8.02 MU) and Mini Hydro & others (14.16 MW; 20 MU) as purchase from NCE sources. Hence, the purchase from NCE sources as a percentage of total purchase for all four DISCOMs works out to 4.52 % as against 5.00% specified by the Commission.

242. As far as purchase from NCE sources is concerned, EPDCL, NPDCL and

SPDCL have NCE availability of up to 5.33%, 4.70% and 7.33% respectively of their power purchases, which are higher than the sector average of 4.52%, whereas, CPDCL has NCE availability of 2.57%. Appreciating that the allocation of NCE projects to the DISCOMs, on the basis of their location was to ensure that the project developers are not put to avoidable inconvenience, in having to deal with more than one DISCOM, and not that some of the DISCOMs are disadvantaged due to the higher cost of electricity from these projects, the Commission has decided to distribute the cost of purchase from NCE sources among the four DISCOMs equally, i.e. each DISCOM will have 4.52% purchase from NCE sources.

C) Bilateral Purchase (from PTC): The Commission has adopted the DISCOMs estimated rate of Rs.6.35/unit for the purpose of calculation of power purchase cost.

PGCIL & ULDC charges:

243. The DISCOMs have filed the PGCIL Transmission and ULDC Charges amounting to Rs.230.22Cr. The Commission has accepted the PGCIL Transmission and ULDC Charges amounting to Rs.230.22 Crs. and allocated these costs to the four DISCOMs, in the ratio of their respective allocation of energy from Central Generating Stations (CGS).

Summary of power purchase cost:

244. Details of power purchases from different sources as filed by the DISCOMs and accepted by the Commission for estimating the power purchase cost during FY 2007-08 are summarized in the following tables:

Table 13 : Power Purchase Cost for FY 2007-08 as filed - All DISCOMs

Source	Power purchase	Fixed costs	Variable costs	Tax, incentives, Other charges	Total cost	Average cost
	(MU)	(Rs Crores)	(Rs Crores)	(Rs Crores)	(Rs Crores)	(Rs/kWh)
APGenco	30547.02	1606.34	2863.98	37.82	4508.14	1.48
Thermal	22090.57		2673.78	-		
Hydel	8456.45		190.20	-		
CGS-SR	11664.77	518.94	1214.57	119.30	1852.81	1.59
CGS-ER						
NTPC-Simhadri	7,399.00	458.72	681.82	24.05	1164.59	1.57
APGPCL-I&II	342.33	20.75	41.42	-	62.17	1.82
IPPs	763.24	765.34	571.93	--	1337.27	2.81
NCE & Others	3836.12	41.12	1512.31	58.97	1612.40	4.20
Grand Total	58552.49	3411.21	6886.03	240.14	10537.38	1.80

Table 14 : Power Purchase Cost for FY 2007-08 as approved by APERC - All DISCOMs

Source	Power Purchase (MU)	Fixed Cost (Rs. Crs.)	Variable Cost (Rs. Crs.)	Incentive (Rs. Crs.)	Income Tax & Others (Rs. Crs.)	Total Cost (Rs. Crs.)	Avg. Cost (Rs. / Unit)
APGENCO	29446.07	1825.69 *	2659.13	0.00	37.82	4522.62	1.54
Thermal	20853.96		2468.94				
Hydel	8592.12		190.20				
CGS	11664.77	518.98	1214.57	22.19	97.10	1852.84	1.59
NTPC-Simhadri	7400.00	458.72	681.91	22.92	1.14	1164.68	1.57
APGPCL	342.33	20.80	41.42	0.00	0.00	62.22	1.82
IPPs	4529.75	765.34	541.84	0.00	0.00	1307.18	2.89
OTHERS	2584.20	41.12	722.58	0.00	58.97	822.67	3.18
TOTAL	55967.12	3630.65	5861.45	45.11	195.03	9732.23	1.74

* This is exclusive of the provision of Rs.100 Crs made towards the likely impact on account of the generation tariffs to be determined pursuant to the Application filed by APGENCO.

Table 15 : Summary of Power Purchase and PGCCIL Cost for FY 2007-08

Cost element	Fixed cost filed (Rs.Crs.)	Fixed cost approved (Rs. Crs.)	Variable cost filed (Rs./kWh)	Variable cost approved (Rs./kWh)	Power purchase cost as filed (Rs/kWh)	Power purchase cost as approved (Rs/kWh)
Power Purchase	3411.21	3630.65	1.1760	1.0473	1.7996	1.7389
PGCIL Transmission & ULDC Charges	230.22	230.22			0.0393	0.0411

245. The average power purchase cost for all four DISCOMs works out to Rs.1.74/kWh (excluding PGCIL cost and ULDC charges and the amount of Rs.100 crs as mentioned in Para 233 and foot note below Table 14) as against Rs.1.80/kWh filed by the DISCOMs, and Rs.1.78/kWh inclusive of the PGCIL cost and ULDC charges. The variable cost per kWh estimated month wise, based on September 2006 costs (except of RTPP Stage - II) is given in the Table below. The allowable power purchases and the variable cost for calculations of variations in fuel supply cost are with reference to the Table.

Table 16 : Month-wise Variable Cost for kWh as adopted by APERC for FY 2007-08

Month/ Quarter	Purchase requirement as EHT input (MUs)	Total despatch for DISCOM sales only (MUs)	Total Variable Cost (Rs.Crs.)	Variable Cost per kWh Rs.
Apr-07	4547.54	4547.54	501.68	1.10318
May-07	4313.40	4313.40	478.13	1.10847
June-07	4480.29	4480.29	519.81	1.16021
July-07	4329.37	4329.37	472.88	1.09226
Aug-07	4786.46	4786.46	433.53	0.90573
Sep-07	4622.29	4622.29	412.99	0.89348
Oct-07	4615.50	4615.50	416.84	0.90313
Nov-07	4281.42	4281.42	487.76	1.13925
Dec-07	4541.70	4541.70	488.00	1.07448
Jan-08	5066.73	5066.73	542.35	1.07042
Feb-08	5059.78	5059.78	557.86	1.10253
Mar-08	5322.63	5322.63	549.63	1.03263
Total	55967.12	55967.12	5861.45	1.04730

Cost adjustment for D-to-D energy transfer:

246. The Commission has approved 55,967.12 MU as the combined power purchase requirement of all the four DISCOMs. Within this approved quantum, each DISCOM has to pay for both the Fixed Cost and the Variable Cost, based on their energy drawals. The DISCOM-to-DISCOM (D-to-D) energy transfers within the approved quantum will be priced as per the Tariff Order FY 2006-07 at average fixed cost of purchases from all power stations, which works out to Re. 0.6487/kWh plus

marginal variable cost of Rs.1.6296/kWh. This is the variable cost of RTPP-I, which is likely to get despatched as the marginal station in most of the months during FY 2007-08. The Table below shows the cost of energy for each DISCOM prior to and after the D-to-D energy transfers within the approved quantum of energy:

Table 17 : Power Purchase Cost after DISCOM-to-DISCOM Energy Transfer

DISCOM	Allocation from total approved energy (MU)	Energy purchase Required (MU)	Surplus / (Deficit) (MU)	Energy cost before D-to-D transfer (Rs. Crs.)	Energy cost after D-to-D transfer (Rs. Crs.)
APEPDCL	9498.62	9249.80	248.82	1695.54	1637.53
APCPDCL	23811.25	24740.69	(929.44)	4059.06	4273.48
APNPDCL	9473.02	8798.26	674.76	1638.44	1483.37
APSPDCL	13184.25	13178.38	5.87	2339.62	2338.28
Total	55967.12	55967.12	0.00	9732.66	9732.66

The Commission in view of Centralised Despatch directs that:

“The DISCOMs shall estimate the Power Purchase cost on Centralised Despatch for all shared Generating stations keeping in view their requirements and arrive at the D-D transaction price appropriately. A proto type model shall be developed by the DISCOMs and demonstrated to the Commission by 30th June,2007”.

NCE cost adjustment:

247. As already discussed in paragraph No.246, the Commission has decided to proportionately distribute the cost of purchase from NCE sources among the four DISCOMs, i.e. each DISCOM will have to bear the cost of 4.52% of its total purchase requirement from NCE sources at the weighted average cost of purchase, i.e. Rs.3.00/kWh (arrived at after adjustment of 47.62 MU available from the APGENCO’s Mini-Hydel stations of 20 MW and below capacity as mentioned in Para 241). After the D-to-D energy transfer, there is no more transfer, in

energy terms, from one DISCOM to another DISCOM. The NCE-deficit DISCOMs have to pay the cost differential (between NCE purchase rate of Rs.3.00/kWh and D-to-D energy transfer rate of Rs.2.2783/kWh) which works out to Rs.0.7217/kWh to the NCE-surplus DISCOMs. The Table below shows the NCE cost adjustment among DISCOMs.

Table 18 : Power Purchase Cost after NCE Cost Adjustment

DISCOM	Allocation from NCE sources (MU)	NCE purchase required (MU)	Surplus / (Deficit) (MU)	Energy cost before NCE cost adjustment (Rs. Crs.)	Energy cost after NCE cost adjustment (Rs. Crs.)
APEPDCL	505.82	418.11	87.71	1637.53	1631.24
APCPDCL	612.61	1118.33	(505.72)	4273.48	4309.73
APNPDCL	445.40	397.70	47.70	1483.37	1479.95
APSPDCL	966.02	595.69	370.33	2338.28	2311.73
Total	2529.85	2529.85	0.00	9732.65	9732.65

The details of cost of energy for each DISCOM are enclosed as Annexures-G(i) to G(iv).

Provisioning for APGENCO Tariffs:

248. As stated earlier, a provision of Rs.100 Crs. has been made towards anticipated rise in the cost of power purchase from APGENCO stations towards likely impact of determination of generation Tariff for FY 2007 and FY 2008, for which the application of APGENCO is under consideration of the Commission. The amount has been allocated to the four DISCOMs in the proportion of their allocated percentage share as per Third Transfer Scheme of GoAP. The table below shows the Net Power Purchase Cost for each DISCOM after allocation of the provision of this amount of Rs.100 Crs.

Table 19 : Power Purchase Cost after provisioning for APGENCO Tariffs

(Rs.Crs.)

DISCOM	Net Power Purchase Cost post NCE Adjustment	Amount due to provision for APGENCO's Tariff determination	Total Power Purchase Cost including provisioning for APGENCO's Tariff
APEPDCL	1631.24	16.70	1647.94
APCPDCL	4309.73	43.48	4353.21
APNPDCL	1479.95	16.92	1496.87
APSPDCL	2311.73	22.90	2334.63
TOTAL	9732.65	100.00	9832.65

249. This provision of Rs.100 Crs. is shown under the fixed costs of APGENCO for the purpose of computations of the total power purchase costs for the FY 2007-08, subject to true-up as may be warranted on determination of generation tariff by the Commission on the Application filed by APGENCO.

Part-B
TARIFF DESIGNING AND COST-TO-SERVE

250. Sections 61 and 62 of the Electricity Act require the Commission to determine the tariff for the retail sale of electricity. The tariffs are designed to progressively reflect the cost of supply (CoS) of electricity and in line with the broad parameters of tariff design. The Commission in determining the Retail Supply Tariff and allocation of cross-subsidy uses the CoS model, a practice followed since the first Tariff Order. The CoS model since the last Tariff Order (FY2006-07) has undergone changes on account of changes in the industry structure which included allocation of PPAs to the DISCOMs, open access, and non-discriminatory transmission and wheeling tariffs.
251. In line with these changes, the Commission modified the CoS to reflect the new changed structure of the industry. To recollect, the power purchase cost allocated the generation fixed cost based on the coincident peak as per the earlier practice using coincident peak as the system planning exercise and capacity additions are based on the system peak requirements. The Commission allocated the Transmission and Distribution Costs based on the contracted capacity of the consumer categories and non-coincident peak in line with the Regulations No.4 & 5 of 2005. Furthermore, the tariffs were determined voltage-wise in this year for the first time [**Annexures - I(i) to I(iv)**].
252. In this section, the steps involved in arriving at the Commission-determined Tariffs are outlined for each DISCOM. For the first time, two DISCOMs require no Government subsidy and outlined below are the steps which explain the manner in which the cross-subsidy available within a surplus DISCOM is estimated and apportioned among consumer categories and the process followed in a deficit DISCOM. The two surplus DISCOMs are APCPDCL and APEPDCL, while the two deficit DISCOMs are APNPDCL and APSPDCL.

COMMISSION DETERMINED TARIFF

253. At the outset, the cost of service (COS) (Stage 1) has been computed through COS model for each category of consumers and in some industrial categories, the COS is computed by voltage level also.
254. In stage II, revenue is computed at proposed tariff for each consumer category or tariff block within a category (Stage two). The third Stage is the consequent category/tariff block surplus/deficit is computed as the difference between the CoS and total revenue from tariffs and charges. The sum of surplus available from all categories/blocks (cross subsidy) is apportioned among the deficit categories in proportion to the respective deficit of that category to the total deficit of all deficit consumer categories.

FOR NPDCL/SPDCL:

255. In stage four, the surplus/deficit for each consumer category/block has been recomputed after allocation of the available cross subsidy. After the redeployment of the available cross subsidy across consumer classes/tariff blocks, still some consumer categories/tariff blocks in these DISCOMs are left with a deficit.
256. In stage five, the Commission has raised the energy tariff for the consumer categories/tariff blocks in these categories in such a manner that the net class deficit is covered through the revised tariff. If a consumer class/tariff block is having deficit even after allocation of cross subsidy, the Commission Determined Tariff is more than the proposed tariff by the Company. In this manner, the Commission Determined Tariff will be the proposed tariff by the Company if a consumer category/tariff block has no deficit at proposed tariff.

FOR EPDCL/CPDCL:

257. In stage four, the deficit for each consumer category/block has been recomputed after allocation of the available cross subsidy. After the redeployment of the available cross subsidy across consumer classes/tariff blocks to the extent of these deficits, still some consumer categories/tariff blocks have surplus.

258. In stage five, the Commission has lowered the energy tariff for the consumer categories/tariff blocks in such a manner that the surplus in that category is eliminated through the revised tariff. If a consumer category/tariff block is having surplus even after allocation of cross subsidy, the Commission Determined Tariff is less than the proposed tariff by the Company. In this manner, the Commission Determined Tariff will be the proposed tariff by the Company if a consumer category/tariff block has no deficit at proposed tariff.

CHAPTER - VIII RETAIL SUPPLY BUSINESS OF APCPDCL

PART A - REVENUE REQUIREMENT

Filings in brief:

259. The Company has filed for determination of tariffs to cover its ARR for the Retail Supply Business for FY 2007-08, which is the second year of the First Control Period. The Retail Supply Business refers to purchase, and sale of electricity in licensed area. The Company had forecasted the sales to different categories of consumers, arrived at Distribution Losses as per Multi Year Tariff regulatory framework and computed the power purchase requirement for FY 2007-08.
260. The Company has considered different forecasting methodologies but mostly relied on the trend methodology for estimating normal growth in the Sales and specific enduse method is used for factoring the impact of the policy driven sales like release of domestic service connections under the RGGVY Scheme. For LT Agriculture, it has relied upon the DTR meter-reading information and the connected loads. Based on this procedure, the Company expects sales of 21416.83 MU for FY 2007-08 to different categories of consumers.
261. The Company having projected sales of 21416.83 MU, of energy, proposes to procure 26561.18 MU for FY 2007-08. The difference between the procurement and sales volumes is the underlying losses, both technical and commercial. The total loss percentage, the ratio of difference between power purchase and sales volumes to power purchase volume, works out to 19.36 percent for FY 2007-08.
262. The Company has projected its revenue requirement (expenditure) at Rs.5783.25 Crores like power purchase cost, transmission charges,

SLDC charges, PGCIL charges, Distribution Cost and other expenditure.

263. The revenue at current tariffs from the sale of 21416.83 MU to different categories of consumers is estimated at Rs.5025.03 Crores for FY 2007-08. The revenue estimates include revenue from tariffs and net of the amount of incentives payable to the HT 1: Industry General category of consumers as per proposed incentive rates. The Company expects to earn Rs. 366.37 Crores from different sources (other than tariff) like customer charges, penalties, interest income related to Retail Supply Business. The revenue gap as per the filing works out to Rs. 391.85 Crores. The details of revenue requirement, revenue from tariffs and revenue gap are given below:

Table 20 : APCPDCL: Revenue Requirement for FY2007-08

(Rs. Crores)		
Sl. No.	Particulars	Amount
1	Revenue requirement	5783.25
2	Revenue from tariffs & other sources	5391.40
3	Revenue gap(-)/Surplus (+) (2-1)	(-) 391.85

COMMISSION ANALYSIS

Sales forecast:

264. The Commission after having reckoned the forecasted sales volume by Company, concluded that the sales volume for LT agricultural consumers is high and decided to peg the same at 5938.00 MU (current year-approved volume) as suggested by the Commission's staff and as explained in **Para 174**. Sales to all other categories of consumers are approved as projected by the Company. The details of the sales volumes for each category of consumers as approved by the Commission for the FY2007-08 are given below:

Table 21 : Sales Volumes for FY2007-08

		(MU)
Category	Purpose	Sales
LT I	Domestic	3694.12
LT II	Non-Domestic/Commercial	1161.56
LT III	Industrial	1113.05
LT IV	Cottage Industry	14.54
LT V	Agriculture	5938.00
LT VI	Public Lighting	403.00
LT VII	General Purpose	48.76
LT VIII	Temporary Supply	9.00
HT IA	Industry, General	6007.44
HT IB	Industry, Ferro Alloys	232.00
HT II	Non-Industrial	968.98
HT IV	Irrigation & Agricultural	256.20
HT V	Railway Traction	89.46
HT VI	Townships/Colonies	66.68
Total		20002.79

Distribution losses and power purchase volumes:

265. The approved sales volume have been reckoned at different voltages and adjusted to the relevant loss percentages to arrive at the required energy purchase level for FY 2007-08. The details are given below:

Table 22 : Sales, Energy Losses and Energy Purchases

Sales, Purchases and Losses	APCPDCL	APERC
Energy Sales(MU)	21416.83	20002.79
Energy Purchases(MU)	26561.18	24740.69
Total Losses(MU)	5144.35	4737.90
Total Loss(%)	19.36	19.15

Power Purchase Cost:

266. The power purchase cost as per the filings is Rs. 4774.37 Crores for

procurement of 26561.18 MU. The Commission recomputed the power purchase cost at Rs. 4353.21 Crores based on power purchase requirement and the procedure adopted for computing the power purchase cost (vide **Paras 246 to 248**). Details of power purchase cost are given in **Annexure - G(ii)**.

Network Cost

267. The Company filed the transmission and distribution costs for FY 2007-08 as per the Multi Year Tariff Regulatory framework approved by the Commission. The Commission recomputed the SLDC cost at Rs. 11.16 Crores in accordance with the Commission's Order on SLDC charges from FY 2007-08 to FY 2008-09. Further, the PGCIL and ULDC charges (related to transmission and dispatch) at Rs. 100.10 Crores as filed by the Company is admitted.

Other Cost:

268. The Company filed the interest cost on Consumer security deposits at Rs.45.35 Crores for FY 2007-08 and the same has been approved. The Commission as per its earlier decision (Retail Supply Tariff Order 2006-07 in O.P.Nos.2 to 5 of 2006), provided Rs. 7.14 Crores as supply margin.

Other Adjustments

a) FSA / Power Purchase Cost Variation

269. The Company in its Filings for FY2007-08 has proposed to return provisional estimated savings of Rs. 235.01 Crores at the State level and Rs 102.18 Crores for this company on Power Purchase Cost for FY 2006-07, without considering the impact of the likely external purchases during January-March 2007.
270. The Staff is of the view that the proposal of the Licensees requires a re-look at the existing regulation in the context of a) Multiple Licensees in the State; b) Tariff setting in isolation, i.e. restricting to licensee supply area and c) General requirement of uniform tariff and

charges in the State. The Staff offered four options as mentioned in the **Para 140**.

271. The Commission examined the proposal of the Licensee and decided not to consider the licensee's treatment of FSA in this Tariff Order and prefer to deal with the issue separately after exploring the alternative options available.
272. However, the fixed cost allowed for RTPP Stage II and the Four new gas based generating stations in the Tariff order of 2006-07 have been adjusted in this order as the Commissioning of the first unit of RTPP stage II was delayed beyond the projected date and the four new gas based generating stations have not yet come into commercial operation. The total amount of fixed cost adjusted at State level of Rs.310.61 Crores and the amount adjusted for this Company comes to Rs.135.05 Crores.

b) Adjustment pertaining to FY 2004-05 and FY 2005-06

273. The Commission noted that the Company has earned excess Non-tariff Income during FY 2004-05 and 2005-06 (audited accounts) as compared to the estimated Non-tariff income provided in the respective Tariff Order. Accordingly, the Commission has adjusted 75% of the extra income on selective basis (i.e. Miscellaneous receipts, Interest Income, Delayed Payment Surcharge and Income from sale of scrap) of the respective years with the Aggregate Revenue Requirement for FY 2007-08. The amount adjusted for this company is Rs. 154.60 Crores.

Revenue requirement:

274. For FY 2007-08, the Aggregate Revenue Requirement for retail supply business is Rs. 5783.25 Crores as per the filings made by the Company and as per the Commission's alternate calculations, the revenue requirement is placed at Rs.5181.78 Crores.

Revenue from tariffs and charges:

a) Tariffs

275. For FY 2007-08, the revenue from tariffs estimated by the Company is at Rs. 5025.03 Crores and as per the Commission's calculations, the revenue from tariffs for the year is recomputed at Rs. 5035.34 Crores. The revenue is net of HT Incentive. The details are given below:

Table 23 : Revenue from Tariffs for FY 2007-08

		(Rs. Crores)
Category	Purpose	APERC
LT I	Domestic	954.95
LT II	Non-Domestic/Commercial	673.49
LT III	Industrial	477.74
LT IV	Cottage Industry	2.88
LT V	Agriculture	11.32
LT VI	Public Lighting	76.01
LT VII	General Purpose	19.65
LT VIII	Temporary Supply	5.58
HT IA	Industry, General	2130.43
HT IB	Industry, Ferro Alloys	59.16
HT II	Non-Industrial	513.57
HT IV	Irrigation & Agricultural	50.54
HT V	Railway Traction	36.68
HT VI	Townships/Colonies	23.34
Total		5035.34

b) Other Charges:

276. The revenue from other charges estimated by the Company for FY 2007-08 is at Rs. 366.37 Crores and the Commission re-computed revenue from other charges at Rs. 434.40 Crores, including interest income. In line with the procedure adopted for FY 2006-07 Tariff Order, the Commission has provided interest income at the rate of 9% p.a. on the average consumer security deposit projected by the Company.

277. Details of Revenue Requirement are shown in the table below:

Table 24 : Revenue Requirement for FY 2007-08

(Rs. Crores)

Sl.No	Revenue requirement item	APCPDCL	APERC
1	Transmission cost	267.30	267.30
2	SLDC cost	11.14	11.16
3	PGCIL and ULDC cost	100.10	100.10
4	Distribution Cost	687.17	687.17
5	Network and SLDC Cost (1+2+3+4)	1065.71	1065.73
6	Power Purchase / Procurement Cost	4774.37	4353.21
7	Interest On Consumer Security Deposits	45.35	45.35
8	Supply margin in Retail Supply Business	0.00	7.14
9	Other Costs if any	-102.18	-289.65
	a. FSA Adjustment for FY 2006-07	-102.18	0.00
	b. Adjustment of Fixed Cost pertaining to 2006-07 due to shifting of COD of new gas plants and RTPP-II	0.00	-135.05
	c. Adjustment pertaining to 2004-05 and 2005-06 Audited Accounts.	0.00	-154.60
10	Supply Related Cost (6+7+8+9)	4717.54	4116.05
11	Aggregate revenue requirement (5+10)	5783.25	5181.78

278. The Revenue / Deficit and Surplus for the Company for the FY 2007-08 is shown in the table below.

Table 25 : Revenue Deficit/Surplus

(Rs. Crores)

Sl.No.	Revenue Deficit / Surplus	APCPDCL	APERC
1	Aggregate Revenue Requirement	5783.25	5181.78
2	Revenue from Tariff	5025.03	5035.34
3	Revenue from Other Charges (Non-Tariff Income)	366.37	434.40
4	Revenue from Tariff and Other Charges and sources (2+3)	5391.40	5469.74
5	Revenue Deficit (-) / Surplus (+) (4-1)	(-) 391.85	(+) 287.96

PART B - RETAIL TARIFFS

279. The Commission determined Retail Tariff for APCPDCL for FY2007-08 in accordance with Section 62 of the Electricity Act, 2003 is given in the table below. The Tariff so finalized is communicated to GoAP. Given below is the schedule of tariffs proposed by DISCOMs and Commission determined tariffs for FY 2007-08.

Table 26 : Commission Determined Tariffs FY 2007-08

CONSUMER CATEGORY		CoS	HP Charge (Rs/Ann um)	kVA Charge (Rs/Ann um)	Current Tariff	Proposed Tariff	Commission Determined Tariff
					Energy Charge (ps/unit)		
LT I	DOMESTIC						
	Slab 1 (0-50)	3.54		0	145	145	145.00
	Slab 2 (51-100)	3.54		0	280	280	280.00
	Slab 3 (101-200)	3.54		0	305	305	304.98
	Slab 4 (201-300)	3.54		0	475	475	448.27
	Slab 5 (>300)	3.54		0	550	550	511.48
LT II	NON-DOMESTIC						
	Slab 1 (0-50)	3.44	0	0	395	395	378.88
	Slab 2 (>50)	3.44	0	0	625	625	575.98
LT IIIa	INDUSTRIAL NORMAL						
	Industrial Normal	2.83	444		375	375	349.69
	Industrial Optional	2.83		1200	375	375	375.00
	Pisciculture/Prawn culture (below 10HP)	2.83	0	0	90	90	90.00
	Sugarcane crushing	2.83	0	0	50	50	50.00
LT IIIb	INDUSTRIAL OPTIONAL						
	SSI Units	2.83		1200	375	375	350.87
	Seasonal Industries	2.83	§	§	440	## 440	440.00
LT IV	COTTAGE INDUSTRIES	2.78	120	0	180	180	180.00
LT V	IRRIGATION AND AGRICULTURE						
	With DSM Measures						
	Dry Land F. (Connections <=3)	2.16	0	0	0	0	216 .00

CONSUMER CATEGORY		CoS	HP Charge (Rs/Ann um)	kVA Charge (Rs/Ann um)	Current Tariff	Proposed Tariff	Commission Determined Tariff
					Energy Charge (ps/unit)		
	Wet Land F(Holdings<=2.5 Acres)	2.16	0	0	0	0	216.00
	Dry Land F. (Connections > 3)	2.16	# 210	0	20	20	20.00
	Wet Land F(Holdings > 2.5 Acres)	2.16	# 210	0	20	20	20.00
	Corporate Farmers & IT Assesses	2.16	0	0	100	100	100.00
	Without DSM Measures						
	Dry Land F. (Connections <=3)	2.16	# 210	0	20	20	216.00
	Wet Land F(Holdings<=2.5 Acres)	2.16	# 210	0	20	20	216.00
	Dry Land F. (Connections > 3)	2.16	# 525	0	50	50	50.00
	Wet Land F(Holdings > 2.5 Acres)	2.16	# 525	0	50	50	50.00
	Corporate Farmers & IT Assesses	2.16	0	0	200	200	200.00
LTVb	AGRICULTURE (TATKAL)	2.16	0	0	20	20	20.00
LT Via	LOCAL BODIES, STREET LIGHTING AND PWS SCHEMES						
	Street Lighting						
	Minor Panchayats	4.07	0	0	156	156	156.00
	Major Panchayats	4.07	0	0	208	208	208.00
	Nagarpalikas & Municipalities (Gr 3)	4.07	0	0	274	274	274.00
	Municipalities (Gr 1&2)	4.07	0	0	326	326	320.54
	Municipalities Selection Special Gr	4.07	0	0	353	353	343.25
	Corporations	4.07	0	0	379	379	365.22

CONSUMER CATEGORY		CoS	HP Charge (Rs/Ann um)	kVA Charge (Rs/Ann um)	Current Tariff	Proposed Tariff	Commission Determined Tariff
					Energy Charge (ps/unit)		
LT Vib	PWS Schemes						
	Minor/ Major Panchayats						
	Upto 2500 units/Yr	4.07	0	0	20	20	20.00
	Above 2500 units/Yr	4.07	0	0	50	50	50.00
	All Nagarpalikas & Municipalities			0			
	Upto 1000 units	4.07	240	0	375	375	360.88
	More than 1000 units	4.07	240	0	405	405	386.68
	Municipal Corporations			0			
	Upto 1000 units	4.07	240	0	405	405	382.23
	More than 1000 units	4.07	240	0	460	460	432.76
LT VII	GENERAL PURPOSE	3.81	0	0	400	400	390.63
LT VIII	TEMPORARY SUPPLY	3.44	0	0	620	620	576.60
	Tempoary Supply to Agriculture	3.44	0	0	230	230	230.00
HT I	INDUSTRY GENERAL						
	132 KV and above	1.85		3000	280	280	258.09
	33KV	2.03		2760	310	310	284.33
	11 KV and below	2.40		2340	330	330	305.99
HT Ib	FERRO ALLOYS	1.85			255	255	242.15
	Lights and Fans						
	132 KV and above	1.85			440	440	398.01
	33KV	2.03			440	440	400.93
	11 KV and below	2.40			440	440	406.60
	Colony						
	132 KV and above	1.85			350	350	350.00
	33KV	2.03			350	350	350.00
	11 KV and below	2.40			350	350	294.97
	Seasonal Industries			@			
	132 KV and above	1.85					440.00
	33KV	2.03					440.00
	11 KV and below	2.40			440	440	322.74

CONSUMER CATEGORY		CoS	HP Charge (Rs/Ann um)	kVA Charge (Rs/Ann um)	Current Tariff	Proposed Tariff	Commission Determined Tariff
					Energy Charge (ps/unit)		
HT II	INDUSTRY OTHERS						
	132 KV and above	2.31		2340	365	365	328.76
	33KV	2.87		2340	390	390	351.04
	11 KV and below	3.22		2340	440	440	404.89
HT IV	IRRIGATION AND AGRICULTURE						
	Government Lift Irrigation Schemes	1.07		0	236	236	215.79
	Agriculture	2.24		0	0	0	0.00
HT V	RAILWAY TRACTION	2.41			420	420	379.19
HT VI	TOWNSHIPS AND RESIDENTIAL COLONIES	2.79		0	350	350	335.96
HT OTHERS	Temporary	--		\$	\$	\$	\$

\$ - 1.5 times the normal tariff for the respective HT category

- Off-season tariff

- Equivalent flat rate tariff

§ - For LT III (A (i)) 30% of the contracted load shall be taken for billing at the rate of RS.37/HP/month; For LT III (A)(ii) & (B) Demand charges shall be billed on recorded maximum demand or 30% of contracted demand whichever is higher at the rate of RS.100/kVA/month.

@ - Demand charges at the rates applicable for respective voltage shall be billed on the recorded Demand or 30% of the contracted Demand whichever is higher

Government Policy Direction:

280. Under Section 108 of the Electricity Act the GoAP issued policy direction that the tariff be uniform across the State. The Commission in tune with this policy directive decided to revert to proposed tariff by the licensees except in case of Railway Traction for which the Commission reduced the tariff by ps.10 / kWh compared with the proposed tariff.
281. The GoAP has further decided to continue with the “single bulb scheme” for the FY 2007-08. Hence the GoAP has agreed to pay additional subsidy to the Utilities for effecting supplies under this scheme.
282. The schedule of Retail Supply Tariff applicable for all categories of consumers for FY 2007-08 is provided in **Annexure-D**.

CHAPTER - IX RETAIL SUPPLY BUSINESS OF APEPDCL

PART A - REVENUE REQUIREMENT

Filings in brief:

283. The Company has filed for determination of tariffs to cover its ARR for the Retail Supply Business for FY 2007-08, which is the second year of the First Control Period. The Retail Supply Business refers to purchase, and sale of electricity in licensed area. The Company had forecasted the sales to different categories of consumers, arrived at Distribution Losses as per Multi Year Tariff regulatory framework and computed the power purchase requirement for FY 2007-08.
284. The Company has considered different forecasting methodologies but mostly relied on the trend methodology for estimating normal growth in the Sales and specific enduse method is used for factoring the impact of the policydriven sales like release of domestic service connections under the RGGVY Scheme. For LT Agriculture, it has relied upon the DTR meter-reading information and the connected loads. Based on this procedure, the Company expects sales of 7759.78 MU for FY 2007-08 to different categories of consumers.
285. The Company having projected sales of 7759.78 MU of energy, proposes to procure 9293.69 MU for FY 2007-08. The difference between the procurement and sales volumes is the underlying losses, both technical and commercial. The total loss percentage, the ratio of difference between power purchase and sales volumes to power purchase volume, works out to 16.50 percent for FY 2007-08.
286. The Company has projected its revenue requirement (expenditure) at Rs.2199.90 Crores like power purchase cost, transmission charges,

SLDC charges, PGCIL charges, Distribution Cost and other expenditure.

287. The revenue at current tariffs from the sale of 7759.78 MU to different categories of consumers is estimated at Rs.2045.42 Crores for FY 2007-08. The revenue estimates include revenue from tariffs and net of the amount of incentives payable to the HT 1: Industry General category of consumers as per proposed incentive rates. The Company expects to earn Rs. 135.17 Crores from different sources (other than tariff) like customer charges, penalties, interest income related to Retail Supply Business. The revenue gap as per the filing works out to Rs. 19.31 Crores. The details of revenue requirement, revenue from tariffs and revenue gap are given below:

Table 27 : APEPDCL: Revenue Requirement for FY2007-08

			(Rs. Crores)
Sl. No.	Particulars	Amount	
1	Revenue requirement	2199.90	
2	Revenue from tariffs & other sources	2180.59	
3	Revenue gap (-) / Surplus (+) (2-1)	-19.31	

COMMISSION ANALYSIS

Sales forecast:

288. The Commission after having reckoned the forecasted sales volume by Company, concluded that the sales volume for LT agricultural consumers is high and decided to peg the same at 1259.68 MU (current year approved volume) as suggested by the Commission's staff and as explained in **Para 174**. Sales to all other categories of consumers are approved as projected by the Company. The details of the sales volumes for each category of consumers as approved by the Commission for the FY2007-08 are given below:

Table 28 : Sales Volumes for FY2007-08

		(MU)
Category	Purpose	Sales
LT I	Domestic	2155.45
LT II	Non-Domestic/Commercial	432.37
LT III	Industrial	391.92
LT IV	Cottage Industry	1.48
LT V	Agriculture	1259.68
LT VI	Public Lighting	181.41
LT VII	General Purpose	28.77
LT VIII	Temporary Supply	0.00
HT IA	Industry, General	1816.85
HT IB	Industry, Ferro Alloys	539.77
HT II	Non-Industrial	199.67
HT IV	Irrigation & Agricultural	91.58
HT V	Railway Traction	462.13
HT VI	Townships/Colonies	22.09
	RESCOs	152.00
Total		7735.17

Distribution losses and power purchase volumes:

289. The approved sales volume have been reckoned at different voltages and adjusted to the relevant loss percentages to arrive at the required energy purchase level for FY 2007-08. The details are given below:

Table 29 : Sales, Energy Losses and Energy Purchases

Sales, Purchases and Losses	APEPDCL	APERC
Energy Sales(MU)	7759.78	7735.17
Energy Purchases(MU)	9293.69	9249.80
Total Losses(MU)	1533.91	1514.63
Total Loss(%)	16.50	16.37

Power Purchase Cost:

290. The power purchase cost as per the filings is Rs. 1698.08 Crores for procurement of 9293.69 MU. The Commission recomputed the power purchase cost at Rs. 1647.94 Crores based on power purchase

requirement and the procedure adopted for computing the power purchase cost (**vide Paras 246 to 248**). Details of power purchase cost are given in **Annexure - G(i)**.

Network Cost

291. The Company filed the transmission and distribution costs for FY 2007-08 as per the Multi Year Tariff Regulatory framework approved by the Commission. The Commission recomputed the SLDC cost at Rs. 4.47 Crores in accordance with the Commission's Order on SLDC charges from FY 2007-08 to FY 2008-09. Further, the PGCIL and ULDC charges (related to transmission and dispatch) at Rs. 38.45 Crores as filed by the Company is admitted.

Other Cost :

292. The Company filed the interest cost on Consumer security deposits at Rs.28.13 Crores for FY 2007-08 and the same has been approved. The Commission as per its earlier decision (Retail Supply Tariff Order 2006-07 in O.P.Nos.2 to 5 of 2006), provided Rs. 3.00 Crores as supply margin.

Other Adjustments

a) FSA / Power Purchase Cost Variation

293. The Company in its Filings for FY2007-08 has proposed to return provisional estimated savings of Rs. 235.01 Crores at the State level and Rs 39.25 Crores for this company on Power Purchase Cost for FY 2006-07, without considering the impact of the likely external purchases during January-March 2007.
294. The Staff is of the view that the proposal of the Licensees requires a re-look at the existing regulation in the context of a) Multiple Licensees in the State; b) Tariff setting in isolation, i.e. restricting to licensee supply area and c) General requirement of uniform tariff and charges in the State. The Staff offered four options as mentioned in the **Para 140**.

295. The Commission examined the proposal of the Licensee and decided not to consider the licensee's treatment of FSA in this Tariff Order and prefer to deal with the issue separately after exploring the alternative options available.
296. However, the fixed cost allowed for RTPP Stage II and the Four new gas based generating stations in lthe Tariff order of 2006-07 have been adjusted in this order as the Commissioning of the first unit of RTPP stage II was delayed beyond the projected date and the four new gas based generating stations have not yet come into commercial operation. The total amount of fixed cost adjusted at State level of Rs.310.61 Crores and the amount adjusted for this Company comes to Rs.51.87 Crores.

b) Adjustment pertaining to FY 2004-05 and FY 2005-06

297. The Commission noted that the Company has earned excess Non-tariff Income during FY 2004-05 and 2005-06 (audited accounts) as compared to the estimated Non-tariff income provided in the respective Tariff Order. Accordingly, the Commission has adjusted 75% of the extra income on selective basis (i.e. Miscellaneous receipts, Interest Income, Delayed Payment Surcharge and Income from sale of scrap) of the respective years with the Aggregate Revenue Requirement for FY 2007-08. The amount adjusted for this company is Rs. 32.79 Crores.

Revenue requirement:

298. For FY 2007-08, the Aggregate Revenue Requirement for retail supply business is Rs. 2199.90 Crores as per the filings made by the Company and as per the Commission's alternate calculations, the revenue requirement is placed at Rs.2107.36 Crores.

Revenue from tariffs and charges:

a) Tariffs

299. For FY 2007-08, the revenue from tariffs estimated by the Company is at Rs. 2045.42 Crores and as per the Commission's calculations, the revenue from tariffs for the year is recomputed at Rs. 2040.69 Crores. The revenue is net of HT Incentive. The details are given below:

Table 30 : Revenue from Tariffs for FY 2007-08

(Rs. Crores)		
Category	Purpose	APERC
LT I	Domestic	462.19
LT II	Non-Domestic/Commercial	246.85
LT III	Industrial	158.36
LT IV	Cottage Industry	0.30
LT V	Agriculture	5.85
LT VI	Public Lighting	33.09
LT VII	General Purpose	11.72
LT VIII	Temporary Supply	0.00
HT IA	Industry, General	654.41
HT IB	Industry, Ferro Alloys	137.64
HT II	Non-Industrial	105.54
HT IV	Irrigation & Agricultural	17.52
HT V	Railway Traction	189.47
HT VI	Townships/Colonies	7.73
	RESCOS	10.03
Total		2040.69

b) Other Charges:

300. The revenue from other charges estimated by the Company for FY 2007-08 is at Rs. 135.17 Crores and the Commission re-computed revenue from other charges at Rs. 177.37 Crores, including interest income. In line with the procedure adopted for FY 2006-07 Tariff Order, the Commission has provided interest income at the rate of 9 % p.a. on the average consumer security deposit projected by the Company.

301. Details of revenue requirement are given in table below:

Table 31: Revenue Requirement for FY 2007-08

(Rs. Crores)

Sl.No	Revenue requirement item	APEPDCL	APERC
1	Transmission cost	107.03	107.03
2	SLDC cost	4.46	4.47
3	PGCIL and ULDC cost	38.45	38.45
4	Distribution Cost	363.00	363.00
5	Network and SLDC Cost (1+2+3+4)	512.94	512.95
6	Power Purchase / Procurement Cost	1698.08	1647.94
7	Interest On Consumer Security Deposits	28.13	28.13
8	Supply margin in Retail Supply Business	0.00	3.00
9	Other Costs if any	-39.25	-84.66
	a. FSA Adjustment for FY 2006-07	-39.25	0.00
	b. Adjustment of Fixed Cost pertaining to 2006-07 due to shifting of COD of new gas plants and RTPP-II	0.00	-51.87
	c. Adjustment pertaining to 2004-05 and 2005-06 Audited Accounts.	0.00	-32.79
10	Supply Related Cost (6+7+8+9)	1686.96	1594.41
11	Aggregate revenue requirement (5+10)	2199.90	2107.36

302. The Revenue/Deficit and Surplus for the Company for the FY 2007-08 is shown in the table below.

Table 32 : Revenue Deficit/Surplus

(Rs./Cr.)

Sl.No	Revenue Deficit / Surplus	APEPDCL	APERC
1	Aggregate Revenue Requirement	2199.90	2107.36
2	Revenue from Tariff	2045.42	2040.69
3	Revenue from Other Charges (Non-Tariff Income)	135.17	177.37
4	Revenue from Tariff and Other Charges and sources (2+3)	2180.59	2218.06
5	Revenue Deficit (-) / Surplus (+) (4-1)	(-) 19.31	(+) 110.70

PART B - RETAIL TARIFFS

303. The Commission determined Retail Tariff for APEPDCL for FY2007-08 in accordance with Section 62 of the Electricity Act, 2003 as given in the table below. The Tariff so finalized is communicated to GoAP. Given below is the schedule of tariffs proposed by DISCOMs and Commission determined tariffs for FY 2007-08.

Table 33 : Commission Determined Tariffs FY 2007-08

CONSUMER CATEGORY		CoS	HP Charge (Rs/Annunm)	kVA Charge (Rs/Annunm)	Current Tariff	Proposed Tariff	Commission Determined Tariff
					Energy Charge (ps/unit)		
LT I	DOMESTIC						
	Slab 1 (0-50)	3.59		0	145	145	145.00
	Slab 2 (51-100)	3.59		0	280	280	280.00
	Slab 3 (101-200)	3.59		0	305	305	305.00
	Slab 4 (201-300)	3.59		0	475	475	449.56
	Slab 5 (>300)	3.59		0	550	550	512.85
LT II	NON-DOMESTIC						
	Slab 1 (0-50)	3.52	0	0	395	395	379.68
	Slab 2 (>50)	3.52	0	0	625	625	577.84
LT IIIa	INDUSTRIAL NORMAL						
	Industrial Normal	2.97	444	0	375	375	352.52
	Industrial Optional	2.97		1,200	375	375	375.00
	Pisciculture/Prawn culture (below 10 HP)	2.97	0	0	90	90	90.00
	Sugarcane crushing	2.97	0	0	50	50	50.00
LT IIIb	INDUSTRIAL OPTIONAL						
	SSI Units	2.97		1200	375	375	352.38
	Seasonal Industries	2.97	§	§	##440	440	440.00
LT IV	COTTAGE INDUSTRIES	2.87	120	0	180	180	180.00
LT V	IRRIGATION AND ARICULTURE						
	With DSM Measures						
	Dry Land F. (Connections <=3)	2.64	0	0	0	0	264.37

CONSUMER CATEGORY	CoS	HP Charge (Rs/Annunm)	kVA Charge (Rs/Annunm)	Current Tariff	Proposed Tariff	Commission Determined Tariff
				Energy Charge (ps/unit)		
Wet Land F(Holdings<=2.5 Acres)	2.64	0	0	0	0	264.37
Dry Land F. (Connections > 3)	2.64	#210	0	20	20	20.00
Wet Land F(Holdings > 2.5 Acres)	2.64	#210	0	20	20	20.00
Corporate Farmers & IT Assesses	2.64	0	0	100	100	100.00
Without DSM Measures						
Dry Land F. (Connections <=3)	2.64	#210	0	20	20	264.37
Wet Land F(Holdings<=2.5 Acres)	2.64	#210	0	20	20	264.37
Dry Land F. (Connections > 3)	2.64	#525	0	50	50	50.00
Wet Land F(Holdings > 2.5 Acres)	2.64	#525	0	50	50	50.00
Corporate Farmers & IT Assesses	2.64	0	0	200	200	200.00
LTVb	2.64	0	0	20	20	20.00
LT Via						
Street Lighting						
Minor Panchayats	3.88	0	0	156	156	156.00
Major Panchayats	3.88	0	0	208	208	208.00
Nagarpalikas & Municipalities (Gr 3)	3.88	0	0	274	274	274.00
Municipalities (Gr 1&2)	3.88	0	0	326	326	326.00
Municipalities Selection Special Gr	3.88	0	0	353	353	353.00
Corporations	3.88	0	0	379	379	377.76

CONSUMER CATEGORY		CoS	HP Charge (Rs/Annunm)	kVA Charge (Rs/Annunm)	Current Tariff	Proposed Tariff	Commission Determined Tariff
					Energy Charge (ps/unit)		
LT Vib	PWS Schemes						
	Minor/ Major Panchayats						
	Upto 2500 units/Yr	3.88	0	0	20	20	20.00
	Above 2500 units/Yr	3.88	0	0	50	50	50.00
	All Nagarpalikas & Municipalities			0			
	Upto 1000 units	3.88	240	0	375	375	375.00
	More than 1000 units	3.88	240	0	405	405	397.93
	Municipal Corporations			0			
	Upto 1000 units	3.88	240	0	405	405	405.00
	More than 1000 units	3.88	240	0	460	460	444.00
LT VII	GENERAL PURPOSE	3.78	0	0	400	400	389.93
LT VIII	TEMPORARY SUPPLY		0	0	620	620	620.00
	Temporary Supply to Agriculture	--	0	0	230	230	230.00
HT I	INDUSTRY GENERAL						
	132 KV and above	1.81		3000	280	280	250.05
	33KV	1.87		2760	310	310	283.15
	11 KV and below	2.10		2340	330	330	302.90
HT Ib	FERRO ALLOYS	1.81		@	255	255	243.38
	Lights and Fans				440	440	
	132 KV and above	1.81					440.00
	33KV	1.87					440.00
	11 KV and below	2.10					440.00
	Colony				350	350	
	132 KV and above	1.81					350.00
	33KV	1.87					350.00
	11 KV and below	2.10					294.81
	Seasonal Industries			@	440	440	
	132 KV and above	1.81					440.00
	33KV	1.87					440.00
	11 KV and below	2.10					440.00

CONSUMER CATEGORY		CoS	HP Charge (Rs/Annun)	kVA Charge (Rs/Annun)	Current Tariff	Proposed Tariff	Commission Determined Tariff
					Energy Charge (ps/unit)		
HT II	INDUSTRY OTHERS						
	132 KV and above	2.33		2340	365	365	314.66
	33KV	2.28		2340	390	390	341.50
	11 KV and below	2.70		2340	440	440	397.68
HT IV	IRRIGATION AND AGRICULTURE						
	Government Lift Irrigation Schmes	1.09		0	236	236	216.15
	Agriculture	1.95			0	0	0.00
HT V	RAILWAY TRACTION	2.23			420	420	380.41
HT VI	TOWNSHIPS AND RESIDENTIAL COLONIES	2.69		0	350	350	313.99
HT OTHERS	OTHER SALES						
	Rural Co-operatives	1.89		0	66	66	66.00
	Temporary	--		\$	\$	\$	\$

\$ - 1.5 times the normal tariff for the respective HT category

- Off-season tariff

- Equivalent flat rate tariff

§ - For LT III (A (i)) 30% of the contracted load shall be taken for billing at the rate of Rs.37/HP/month; For LT III (A)(ii) & (B) Demand charges shall be billed on recorded maximum demand or 30% of contracted demand whichever is higher at the rate of Rs.100/kVA/month.

@ - Demand changes at the rates applicable for respective voltage shall be billed on the recorded Demand or 30% of the contracted Demand whichever is higher

Government Policy Direction:

304. Under Section 108 of the Electricity Act the GoAP issued policy direction that the tariff be uniform across the State. The Commission in tune with this policy directive decided to revert to proposed tariff by the licensees except in case of Railway Traction for which the Commission reduced the tariff by ps.10 / kWh compared with the proposed tariff.
305. The GoAP has further decided to continue with the “single bulb scheme” for the FY 2007-08. Hence the GoAP has agreed to pay additional subsidy to the Utilities for effecting supplies under this scheme.
306. The schedule of Retail Supply Tariff applicable for all categories of consumers for FY 2007-08 is provided in **Annexure-D**.

CHAPTER - X RETAIL SUPPLY BUSINESS OF APNPDCL

PART A - REVENUE REQUIREMENT

Filings in brief:

307. The Company has filed for determination of tariffs to cover its ARR for the Retail Supply Business for FY 2007-08, which is the second year of the First Control Period. The Retail Supply Business refers to purchase, and sale of electricity in licensed area. The Company had forecasted the sales to different categories of consumers, arrived at Distribution Losses as per Multi Year Tariff regulatory framework and computed the power purchase requirement for FY 2007-08.
308. The Company has considered different forecasting methodologies but mostly relied on the trend methodology for estimating normal growth in the Sales and specific enduse method is used for factoring the impact of the policydriven sales like release of domestic service connections under the RGGVY Scheme. For LT Agriculture, it has relied upon the DTR meter-reading information and the connected loads. Based on this procedure, the Company expects sales of 7435.83 MU for FY 2007-08 to different categories of consumers.
309. The Company having projected sales of 7435.83 MU of energy proposes to procure 9212.62 MU for FY 2007-08. The difference between the procurement and sales volumes is the underlying losses, both technical and commercial. The total loss percentage, the ratio of difference between power purchase and sales volumes to power purchase volume, works out to 19.29 percent for FY 2007-08.

310. The Company has projected its revenue requirement (expenditure) at Rs.2142.76 Crores like power purchase cost, transmission charges, SLDC charges, PGCIL charges, Distribution Cost and other expenditure.
311. The revenue at current tariffs from the sale of 7435.83 MU to different categories of consumers is estimated at Rs.1171.65 Crores for FY 2007-08. The revenue estimates include revenue from tariffs and net of the amount of incentives payable to the HT 1: Industry General category of consumers as per proposed incentive rates. The Company expects to earn Rs. 147.68 Crores from different sources (other than tariff) like customer charges, penalties, interest income related to Retail Supply Business. The revenue gap as per the filing works out to Rs. 823.43 Crores. The details of revenue requirement, revenue from tariffs and revenue gap are given below:

Table 34 : APNPDCL: Revenue Requirement for FY2007-08

(Rs. Crores)		
Sl. No.	Particulars	Amount
1	Revenue requirement	2142.76
2	Revenue from tariffs & other sources	1319.33
3	Revenue gap (-) /Surplus (+) (2-1)	(-) 823.43

COMMISSION ANALYSIS

Sales forecast:

312. The Commission after having reckoned the forecasted sales volume by Company, concluded that the sales volume for LT agricultural consumers is high and decided to peg the same at 2909.06 MU (current year approved volume) as suggested by the Commission's staff and as explained in **Para 174**. Sales to all other categories of consumers are approved as projected by the Company. The details of the sales volumes for each category of consumers as approved by the Commission for the FY2007-08 are given below:

Table 35: Sales Volumes for FY2007-08**(MU)**

Category	Purpose	Sales
LT I	Domestic	1385.33
LT II	Non-Domestic/Commercial	262.22
LT III	Industrial	271.59
LT IV	Cottage Industry	5.39
LT V	Agriculture	2909.06
LT VI	Public Lighting	269.92
LT VII	General Purpose	17.91
LT VIII	Temporary Supply	0.15
HT IA	Industry, General	846.37
HT IB	Industry, Ferro Alloys	0.00
HT II	Non-Industrial	55.13
HT IV	Irrigation & Agricultural	219.00
HT V	Railway Traction	332.40
HT VI	Townships/Colonies	141.06
	RESCOs	406.46
	HT Temporary Supply	0.00
Total		7121.99

Distribution losses and power purchase volumes:

313. The approved sales volume have been reckoned at different voltages and adjusted to the relevant loss percentages to arrive at the required energy purchase level for FY 2007-08. The details are given below:

Table 36: Sales, Energy Losses and Energy Purchases

Sales, Purchases and Losses	APNPDCL	APERC
Energy Sales(MU)	7435.83	7121.99
Energy Purchases(MU)	9212.62	8798.26
Total Losses(MU)	1776.79	1676.27
Total Loss(%)	19.29	19.05

Power Purchase Cost:

314. The power purchase cost as per the filings is Rs. 1638.72 Crores for procurement of 9212.62 MU. The Commission recomputed the power purchase cost at Rs. 1496.87 Crores based on power purchase requirement and the procedure adopted for computing the power purchase cost (vide Paras 246 to 248). Details of power purchase cost are given in Annexure - G(iii).

Network Cost

315. The Company filed the transmission and distribution costs for FY 2007-08 as per the Multi Year Tariff Regulatory framework approved by the Commission. The Commission recomputed the SLDC cost at Rs. 4.34 Crores in accordance with the Commission's Order on SLDC charges from FY 2007-08 to FY 2008-09. Further, the PGCIL and ULDC charges (related to transmission and dispatch) at Rs. 38.95 Crores as filed by the Company is admitted.

Other Cost:

316. The Company filed the interest cost on Consumer security deposits at Rs.13.32 Crores for FY 2007-08 and the same has been approved. The Commission as per its earlier decision (Retail Supply Tariff Order 2006-07 in O.P N0s.2 to 5 of 2006), provided Rs. 4.24 Crores as supply margin.

Other Adjustments

a) FSA / Power Purchase Cost Variation

317. The Company in its Filings for FY2007-08 has proposed to return provisional estimated savings of Rs. 235.01 Crores at the State level and Rs 39.76 Crores for this company on Power Purchase Cost for FY 2006-07, without considering the impact of the likely external purchases during January-March 2007.
318. The Staff is of the view that the proposal of the Licensees requires a re-look at the existing regulation in the context of a) Multiple

Licensees in the State; b) Tariff setting in isolation, i.e. restricting to licensee supply area and c) General requirement of uniform tariff and charges in the State. The Staff offered four options as mentioned in the **Para 140**.

319. The Commission examined the proposal of the Licensee and decided not to consider the licensee's treatment of FSA in this Tariff Order and prefer to deal with the issue separately after exploring the alternative options available.
320. However, the fixed cost allowed for RTPP Stage II and the Four new gas based generating stations in the Tariff order of 2006-07 have been adjusted in this order as the Commissioning of the first unit of RTPP stage II was delayed beyond the projected date and the four new gas based generating stations have not yet come into commercial operation. The total amount of fixed cost adjusted at State level of Rs.310.61 Crores and the amount adjusted for this Company comes to Rs.52.56 Crores.

b) Adjustment pertaining to FY 2004-05 and FY 2005-06

321. The Commission noted that the Company has earned excess Non-tariff Income during FY 2004-05 and 2005-06 (audited accounts) as compared to the estimated Non-tariff income provided in the respective Tariff Order. Accordingly, the Commission has adjusted 75% of the extra income on selective basis (i.e. Miscellaneous receipts, Interest Income, Delayed Payment Surcharge and Income from sale of scrap) of the respective years with the Aggregate Revenue Requirement for FY 2007-08. The amount adjusted for this company is Rs. 31.05 Crores.

Revenue requirement:

322. For FY 2007-08, the Aggregate Revenue Requirement for retail supply business is Rs. 2142.77 Crores as per the filings made by the Company and as per the Commission's alternate calculations, the revenue requirement is placed at Rs.1961.31 Crores.

Revenue from tariffs and charges:

a) Tariffs

323. For FY 2007-08, the revenue from tariffs estimated by the Company is at Rs. 1171.65 Crores and as per the Commission's calculations, the revenue from tariffs for the year is recomputed at Rs. 1167.58 Crores. The revenue is net of HT Incentive. The details are given below:

Table 37: Revenue from Tariffs for FY 2007-08

(Rs. Crores)

Category	Purpose	APERC
LT I	Domestic	301.93
LT II	Non-Domestic/Commercial	143.15
LT III	Industrial	123.98
LT IV	Cottage Industry	1.03
LT V	Agriculture	6.76
LT VI	Public Lighting	40.06
LT VII	General Purpose	7.16
LT VIII	Temporary Supply	0.09
HT IA	Industry, General	293.45
HT IB	Industry, Ferro Alloys	0.00
HT II	Non-Industrial	30.41
HT IV	Irrigation & Agricultural	17.62
HT V	Railway Traction	136.29
HT VI	Townships/Colonies	49.37
	RESCOS	16.26
Total		1167.58

b) Other Charges:

324. The revenue from other charges estimated by the Company for FY 2007-08 is at Rs. 147.68 Crores and the Commission re-computed revenue from other charges at Rs. 167.66 Crores, including interest income. In line with the procedure adopted for FY 2006-07 Tariff Order, the Commission has provided interest income at the rate of 9% p.a. on the average consumer security deposit projected by the Company.

325. Details of Revenue Requirement are given in table below:

Table 38: Revenue Requirement for FY 2007-08

(Rs. Crores)

Sl.No	Revenue requirement item	APNPDCL	APERC
1	Transmission cost	103.99	103.99
2	SLDC cost	4.33	4.34
3	PGCIL and ULDC cost	38.95	38.95
4	Distribution Cost	383.21	383.21
5	Network and SLDC Cost (1+2+3+4)	530.48	530.49
6	Power Purchase / Procurement Cost	1638.72	1496.87
7	Interest On Consumer Security Deposits	13.32	13.32
8	Supply margin in Retail Supply Business	0.00	4.24
9	Other Costs if any	-39.76	-83.61
	a. FSA Adjustment for FY 2006-07	-39.76	0.00
	b. Adjustment of Fixed Cost pertaining to 2006-07 due to shifting of COD of new gas plants and RTPP-II	0.00	-52.56
	c. Adjustment pertaining to 2004-05 and 2005-06 Audited Accounts.	0.00	-31.05
10	Supply Related Cost (6+7+8+9)	1612.28	1430.82
11	Aggregate revenue requirement (5+10)	2142.77	1961.31

326. The Revenue / Deficit and Surplus for the Company for the FY 2007-08 is shown in the table below.

Table 39: Revenue Deficit/Surplus

(Rs. Crores)

S.No.	Revenue Deficit / Surplus	APNPDCL	APERC
1	Aggregate Revenue Requirement	2142.77	1961.31
2	Revenue from Tariff	1171.65	1167.58
3	Revenue from Other Charges (Non-Tariff Income)	147.68	167.66
4	Revenue from Tariff and Other Charges and sources (2+3)	1319.33	1335.24
5	Revenue Deficit (-) / Surplus (+) (4-1)	(-) 823.43	(-) 626.07

PART B - RETAIL TARIFFS

327. The Commission determined Retail Tariff for APNPDCL for FY2007-08 in accordance with Section 62 of the Electricity Act, 2003 is given in the table below. The Tariffs so finalized are communicated to GoAP to intimate whether it requires, the grant of any subsidy to any consumer or class of consumers in the tariff determined by the Commission, under Section 65 of the Electricity Act, 2003.

Table 40: Commission Determined Tariffs FY 2007-08

CONSUMER CATEGORY		CoS	HP Charge (Rs/Annum)	kVA Charge	Current Tariff	Proposed Tariff	Commissi on Determin ed Tariff
					Energy Charge (ps/unit)		
LT I	DOMESTIC						
	Slab 1 (0-50)	3.72		0	145	145	243.95
	Slab 2 (51-100)	3.72		0	280	280	302.03
	Slab 3 (101-200)	3.72		0	305	305	310.45
	Slab 4 (201-300)	3.72		0	475	475	475.00
	Slab 5 (>300)	3.72		0	550	550	550.00
LT II	NON-DOMESTIC						
	Slab 1 (0-50)	4.18	0	0	395	395	395.00
	Slab 2 (>50)	4.18	0	0	625	625	625.00
LT IIIa	INDUSTRIAL NORMAL						
	Industrial Normal	3.18	444	0	375	375	375.00
	Industrial Optional	3.18		1200	375	375	375.00
	Pisciculture/Prawn culture (Below 10 HP)	3.18	0	0	90	90	90.00
	Sugarcane crushing	3.18	0	0	50	50	50.00
LT IIIb	INDUSTRIAL OPTIONAL						
	SSI Units	3.18		1200	375	375	375.00
	Seasonal Industries	3.18	₹	₹	440	# 440	440.00
LT IV	COTTAGE INDUSTRIES	3.31	120	0	180	180	254.50

CONSUMER CATEGORY		CoS	HP Charge (Rs/Annum)	kVA Charge	Current Tariff	Proposed Tariff	Commissi on Determin ed Tariff
					Energy Charge (ps/unit)		
LT V	IRRIGATION AND ARICULTURE						
	With DSM Measures						
	Dry Land F. (Connections <=3)	2.38	0	0	0	0	146.21
	Wet Land F(Holdings<=2.5 Acres)	2.38	0	0	0	0	146.21
	Dry Land F. (Connections > 3)	2.38	## 210	0	20	20	152.90
	Wet Land F(Holdings > 2.5 Acres)	2.38	## 210	0	20	20	152.98
	Corporate Farmers & IT Assesses	2.38	0	0	100	100	179.71
	Without DSM Measures						
	Dry Land F. (Connections <=3)	2.38	## 210	0	20	20	238.21
	Wet Land F(Holdings<=2.5 Acres)	2.38	## 210	0	20	20	238.21
	Dry Land F. (Connections > 3)	2.38	## 525	0	50	50	50.00
	Wet Land F(Holdings > 2.5 Acres)	2.38	## 525	0	50	50	50.00
	Corporate Farmers & IT Assesses	2.38	0	0	200	200	200.00
	LTVb	AGRICULTURE (TATKAL)	2.38	0	0	20	20
LT Via	LOCAL BODIES, STREET LIGHTING AND PWS SCHEMES						
	Street Lighting						
	Minor Panchayats	4.05	0	0	156	156	312.29
	Major Panchayats	4.05	0	0	208	208	329.78
	Nagarpalikas & Municipalities (Gr 3)	4.05	0	0	274	274	352.02
	Municipalities (Gr1&2)	4.05	0	0	326	326	369.82

CONSUMER CATEGORY		CoS	HP Charge (Rs/Annum)	kVA Charge	Current Tariff	Proposed Tariff	Commissi on Determin ed Tariff
					Energy Charge (ps/unit)		
	Municipalities Selection Special Gr	4.05	0	0	353	353	380.02
	Corporations	4.05	0	0	379	379	387.24
LT Vib	PWS Schemes						
	Minor/ Major Panchayats						
	Upto 2500 units/Yr	4.05	0	0	20	20	266.58
	Above 2500 units/Yr	4.05	0	0	50	50	276.54
	All Nagarpalikas & Municipalities			0			
	Upto 1000 units	4.05	240	0	375	375	375.00
	More than 1000 units	4.05	240	0	405	405	405.00
	Municipal Corporations			0			
	Upto 1000 units	4.05	240	0	405	405	405.00
	More than 1000 units	4.05	240	0	460	460	460.00
LT VII	GENERAL PURPOSE	3.94	0	0	400	400	400.00
LT VIII	TEMPORARY SUPPLY	3.82	0	0	620	620	620.00
	Tempoary Supply to Agriculture	3.82	0	0	230	230	230.00
HT I	INDUSTRY GENERAL						
	132 KV and above	1.91		3000	280	280	280.00
	33KV	2.07		2760	310	310	310.00
	11 KV and below	2.46		2340	330	330	330.00
HT Ib	FERRO ALLOYS	1.91			255	255	255.00
	Lights and Fans				440	440	
	132 KV and above	1.91					440.00
	33KV	2.07					440.00
	11 KV and below	2.46					440.00
	Colony				350	350	
	132 KV and above	1.91					350.00
	33KV	2.07					350.00
	11 KV and below	2.46					350.00
	Seasonal Industries			@	440	440	

CONSUMER CATEGORY	CoS	HP Charge (Rs/Annum)	kVA Charge	Current Tariff	Proposed Tariff	Commissi on Determin ed Tariff
				Energy Charge (ps/unit)		
	132 KV and above	1.91				440.00
	33KV	2.07				440.00
	11 KV and below	2.46				440.00
HT II	INDUSTRY OTHERS					
	132 KV and above	4.84	2340	365	365	365.00
	33KV	2.67	2340	390	390	390.00
	11 KV and below	3.28	2340	440	440	440.00
HT IV	IRRIGATION AND AGRICULTURE					
	Government Lift Irrigation Schmes	0.99	0	236	236	236.00
	Agriculture	2.09		0	0	138.37
HT V	RAILWAY TRACTION	2.56		420	420	410.00
HT VI	TOWNSHIPS AND RESIDENTIAL COLONIES	2.83	0	350	350	350.00
HT OTHERS	OTHER SALES					
	Rural Co-operatives	2.13	0	40	40	154.92
	Temporary	--	\$	\$	\$	\$

§ - 1.5 times the normal tariff for the respective HT category

- Off-season tariff

- Equivalent flat rate tariff

§ - For LT III (A (i)) 30% of the contracted load shall be taken for billing at the rate of RS.37/HP/month; For LT III (A)(ii) & (B) Demand charges shall be billed on recorded maximum demand or 30% of contracted demand which ever is higher at the rate of RS.100/kVA/month.

@ - Demand changes at the rates applicable for respective voltage shall be billed on the recorded Demand or 30% of the contracted Demand whichever is higher

Government Policy Direction:

328. Under Section 108 of the Electricity Act the GoAP issued policy direction to maintain the retail tariffs as proposed by the Licensees in a uniform manner across the State. The Commission in tune with this policy directive decided to revert to proposed tariff by the licensees except in case of Railway Traction for which the Commission reduced the tariff by ps.10 / kWh compared with the proposed tariff.
329. The GoAP has further decided to continue with the “single bulb scheme” for the FY 2007-08. Hence the GoAP has agreed to pay additional subsidy to the Utilities for effecting supplies under this scheme.
330. The GoAP further informed that for maintaining the Retail Tariffs as proposed by the DISCOMs it will provide subsidy to an amount of Rs. 626.07 Crs. to the DISCOM. The table below gives the details of subsidy allocation for FY 2007-08 to the various subsidized categories:

Table 41: Details of Subsidy Allocation in FY 2007-08

(Rs. Crores)	
Particulars	Amount
Domestic	94.15
Cottage Industries	0.40
LT Agriculture	420.84
Local (Public) Bodies	43.86
HT Agriculture	19.97
RESCOS	46.71
Total	626.07

Administration of Subsidy:

331. Subsidy provided by the GoAP is administered as follows:
- a) The subsidy given by the GoAP as per Section 65 of Electricity Act 2003 is for maintaining the tariffs at the levels proposed by the DISCOMs in respect of the subsidized categories.
 - b) Each DISCOM gets the subsidy commensurate to the extent of energy sales projected in each subsidised category.
 - c) The subsidy allocation to each DISCOM as calculated in (b) above must be paid by the GoAP to the respective DISCOMs in monthly instalments, in advance.
332. The Subsidy administration mechanism Directive outlined in paragraph 860 of the Tariff Order for FY2004-05 and reiterated in paragraph 701 of Tariff Order FY2005-06 and as extracted below shall apply.

“The DISCOMs shall file before the Commission the actual sales to subsidized categories of consumers for whom the GoAP agreed to pay the subsidy every month and the Commission will monitor the units actually sold by the DISCOMs vis-à-vis the subsidy provided. At the end of the year, subsidy adjustments will be made based on the consumption of units in respect of various subsidized categories.”

Final Retail Tariffs

333. The schedule of Retail Supply Tariff applicable for all categories of consumers for FY 2007-08 is provided in **Annexure-D**.

CHAPTER - XI RETAIL SUPPLY BUSINESS OF APSPDCL

PART A - REVENUE REQUIREMENT

Filings in brief:

334. The Company has filed for determination of tariffs to cover its ARR for the Retail Supply Business for FY 2007-08, which is the second year of the First Control Period. The Retail Supply Business refers to purchase, and sale of electricity in licensed area. The Company had forecasted the sales to different categories of consumers, arrived at Distribution Losses as per Multi Year Tariff regulatory framework and computed the power purchase requirement for FY 2007-08.
335. The Company has considered different forecasting methodologies but mostly relied on the trend methodology for estimating normal growth in the Sales and specific enduse method is used for factoring the impact of the policydriven sales like release of domestic service connections under the RGGVY Scheme. For LT Agriculture, it has relied upon the DTR meter-reading information and the connected loads. Based on this procedure, the Company expects sales of 10979.93 MU for FY 2007-08 to different categories of consumers.
336. The Company having projected sales of 10979.93 MU of energy proposes to procure 13485 MU for FY 2007-08. The difference between the procurement and sales volumes is the underlying losses, both technical and commercial. The total loss percentage, the ratio of difference between power purchase and sales volumes to power purchase volume, works out to 18.58 percent for FY 2007-08.
337. The Company has projected its revenue requirement (expenditure) at Rs. 3068.77 Crores like power purchase cost, transmission charges,

SLDC charges, PGCIL charges, Distribution Cost and other expenditure.

338. The revenue at current tariffs from the sale of 10979.93 MU to different categories of consumers is estimated at Rs.2289.93 Crores for FY 2007-08. The revenue estimates include revenue from tariffs and net of the amount of incentives payable to the HT 1: Industry General category of consumers as per proposed incentive rates. The Company expects to earn Rs. 167.56 Crores from different sources (other than tariff) like customer charges, penalties, interest income related to Retail Supply Business. The revenue gap as per the filing works out to Rs. 611.28 Crores. The details of revenue requirement, revenue from tariffs and revenue gap are given below:

Table 42: APSPDCL: Revenue Requirement for FY2007-08

(Rs. Crores)		
Sl. No.	Particulars	Amount
1	Revenue requirement	3068.77
2	Revenue from tariffs & other sources	2457.49
3	Revenue gap (-) / surplus (+) (2-1)	-611.28

COMMISSION ANALYSIS

Sales forecast:

339. The Commission after having reckoned the forecasted sales volume by Company, concluded that the sales volume for LT agricultural consumers is high and decided to peg the same at 3291.06 MU (current year approved volume) as suggested by the Commission's staff and as explained in **Para 174**. Sales to all other categories of consumers are approved as projected by the Company. The details of the sales volumes for each category of consumers as approved by the Commission for the FY2007-08 are given below:

Table 43: Sales Volumes for FY2007-08

(MU)

Category	Purpose	Sales
LT I	Domestic	2824.17
LT II	Non-Domestic/Commercial	571.61
LT III	Industrial	717.78
LT IV	Cottage Industry	26.48
LT V	Agriculture	3291.06
LT VI	Public Lighting	378.45
LT VII	General Purpose	39.09
LT VIII	Temporary Supply	1.92
HT IA	Industry, General	1841.87
HT IB	Industry, Ferro Alloys	3.75
HT II	Non-Industrial	207.52
HT IV	Irrigation & Agricultural	103.40
HT V	Railway Traction	478.40
HT VI	Townships/Colonies	69.30
	RESCOs	195.30
	HT Temporary Supply	0.13
Total		10750.24

Distribution losses and power purchase volumes:

340. The approved sales volume have been reckoned at different voltages and adjusted to the relevant loss percentages to arrive at the required energy purchase level for FY 2007-08. The details are given below:

Table 44: Sales, Energy Losses and Energy Purchases

Sales, Purchases and Losses	APSPDCL	APERC
Energy Sales(MU)	10979.93	10750.24
Energy Purchases(MU)	13485.00	13178.38
Total Losses(MU)	2505.05	2428.14
Total Loss(%)	18.58	18.43

Power Purchase Cost:

341. The power purchase cost as per the filings is Rs. 2426.49 Crores for procurement of 13485 MU. The Commission recomputed the power purchase cost at Rs. 2334.63 Crores based on power purchase requirement and the procedure adopted for computing the power purchase cost (vide **Paras 246 to 248**). Details of power purchase cost are given in **Annexure - G(iv)**.

Network Cost:

342. The Company filed the transmission and distribution costs for FY 2007-08 as per the Multi Year Tariff Regulatory framework approved by the Commission. The Commission recomputed the SLDC cost at Rs. 6.03 Crores in accordance with the Commission's Order on SLDC charges from FY 2007-08 to FY 2008-09. Further, the PGCIL and ULDC charges (related to transmission and dispatch) at Rs. 52.72 Crores as filed by the Company is admitted.

Other Cost :

343. The Company filed the interest cost on Consumer security deposits at Rs.23.29 Crores for FY 2007-08 and the same has been approved. The Commission as per its earlier decision (Retail Supply Tariff Order 2006-07 in O.P.Nos 2 to 5 of 2006), provided Rs. 3.33 Crores as supply margin.

Other Adjustments

a) FSA / Power Purchase Cost Variation

344. The Company in its Filings for FY2007-08 has proposed to return provisional estimated savings of Rs. 235.01 Crores at the State level and Rs 53.82 Crores for this company on Power Purchase Cost for FY 2006-07, without considering the impact of the likely external purchases during January-March 2007.
345. The Staff is of the view that the proposal of the Licensees requires a

re-look at the existing regulation in the context of a) Multiple Licensees in the State; b) Tariff setting in isolation, i.e. restricting to licensee supply area and c) General requirement of uniform tariff and charges in the State. The Staff offered four options as mentioned in the **Para 140**.

346. The Commission examined the proposal of the Licensee and decided not to consider the licensee's treatment of FSA in this Tariff Order and prefer to deal with the issue separately after exploring the alternative options available.
347. However, the fixed cost allowed for RTPP Stage II and the Four new gas based generating stations in the Tariff order of 2006-07 have been adjusted in this order as the Commissioning of the first unit of RTPP stage II was delayed beyond the projected date and the four new gas based generating stations have not yet come into commercial operation. The total amount of fixed cost adjusted at State level of Rs.310.61 Crores and the amount adjusted for this Company comes to Rs.71.13 Crores.

b) Adjustment pertaining to FY 2004-05 and FY 2005-06

348. The Commission noted that the Company has earned excess Non-tariff Income during FY 2004-05 and 2005-06 (audited accounts) as compared to the estimated Non-tariff income provided in the respective Tariff Order. Accordingly, the Commission has adjusted 75% of the extra income on selective basis (i.e. Miscellaneous receipts, Interest Income, Delayed Payment Surcharge and Income from sale of scrap) of the respective years with the Aggregate Revenue Requirement for FY 2007-08. The amount adjusted for this company is Rs. 54.09 Crores.

Revenue requirement:

349. For FY 2007-08, the Aggregate Revenue Requirement for retail supply business is Rs. 3068.77 Crores as per the filings made by the Company and as per the Commission's alternate calculations, the revenue requirement is placed at Rs.2908.85 Crores.

Revenue from tariffs and charges:**a) Tariffs**

350. For FY 2007-08, the revenue from tariffs estimated by the Company is at Rs. 2289.93 Crores and as per the Commission's calculations, the revenue from tariffs for the year is recomputed at Rs. 2284.61 Crores. The revenue is net of HT incentive. The details are given below:

Table 45: Revenue from Tariffs for FY 2007-08**(Rs. Crores)**

Category	Purpose	APERC
LT I	Domestic	626.58
LT II	Non-Domestic/Commercial	322.47
LT III	Industrial	271.72
LT IV	Cottage Industry	5.06
LT V	Agriculture	7.77
LT VI	Public Lighting	57.20
LT VII	General Purpose	15.88
LT VIII	Temporary Supply	1.19
HT IA	Industry, General	632.57
HT IB	Industry, Ferro Alloys	0.96
HT II	Non-Industrial	106.08
HT IV	Irrigation & Agricultural	12.55
HT V	Railway Traction	196.14
HT VI	Townships/Colonies	24.26
	RESCOS	4.10
	Temporary	0.07
Total		2284.61

b) Other Charges:

The revenue from other charges estimated by the Company for

FY 2007-08 is at Rs. 167.56 Crores and the Commission re-computed revenue from other charges at Rs. 202.59 Crores, including interest income. In line with the procedure adopted for FY 2006-07 Tariff Order, the Commission has provided interest income at the rate of 9% p.a. on the average consumer security deposit projected by the Company.

351. Details of Revenue Requirement are shown in table below:

Table 46: Revenue Requirement for FY 2007-08

(Rs. Crores)

Sl.No	Revenue requirement item	APSPDCL	APERC
1	Transmission cost	144.33	144.33
2	SLDC cost	6.02	6.03
3	PGCIL and ULDC cost	52.72	52.72
4	Distribution Cost	469.74	469.74
5	Network and SLDC Cost (1+2+3+4)	672.81	672.82
6	Power Purchase / Procurement Cost	2426.49	2334.63
7	Interest On Consumer Security Deposits	23.29	23.29
8	Supply margin in Retail Supply Business	0.00	3.33
9	Other Costs if any	-53.82	-125.22
	a. FSA Adjustment for FY 2006-07	-53.82	0.00
	b. Adjustment of Fixed Cost pertaining to 2006-07 due to shifting of COD of new gas plants and RTPP-II	0.00	-71.13
	c. Adjustment pertaining to 2004-05 and 2005-06 Audited Accounts.	0.00	-54.09
10	Supply Related Cost (6+7+8+9)	2395.96	2236.03
11	Aggregate revenue requirement (5+10)	3068.77	2908.85

352. The Revenue / Deficit and Surplus for the Company for the FY 2007-08 is shown in the table below.

Table 47 :Revenue Deficit/Surplus

(Rs. Crores)

S.No.	Revenue Deficit / Surplus	APSPDCL	APERC
1	Aggregate Revenue Requirement	3068.77	2908.85
2	Revenue from Tariff	2289.93	2284.61
3	Revenue from Other Charges (Non-Tariff Income)	167.56	202.59
4	Revenue from Tariff and Other Charges and sources (2+3)	2457.49	2487.20
5	Revenue Deficit (-) / Surplus(+) (4-1)	-611.28	-421.65

PART B - RETAIL TARIFFS

353. The Commission determined Retail Tariff for APSPDCL for FY2007-08 in accordance with Sec 62 of the Electricity Act, 2003 as given in the table below. The Tariff so finalized are communicated to GoAP to intimate whether it requires, the grant of any subsidy to any consumer or class of consumers in the tariff determined by the Commission, under Section 65 of the Electricity Act, 2003.

Table 48 : Commission Determined Tariffs FY 2007-08

CONSUMER CATEGORY		CoS	HP Charge (Rs/Annum)	kVA Charge	Current Tariff	Proposed Tariff	Commission Determined Tariff
					Energy Charge (ps/unit)		
LT I	DOMESTIC						
LT01	Slab 1 (0-50)	3.27		0	145	145	192.40
LT01	Slab 2 (51-100)	3.27		0	280	280	282.49
LT01	Slab 3 (101-200)	3.27		0	305	305	305.00
LT01	Slab 4 (201-300)	3.27		0	475	475	475.00
LT01	Slab 5 (>300)	3.27		0	550	550	550.00
LT II	NON-DOMESTIC						
LT02	Slab 1 (0-50)	3.44	0	0	395	395	395.00
LT02	Slab 2 (>50)	3.44	0	0	625	625	625.00
LT IIIa	INDUSTRIAL NORMAL						
LT03	Industrial Normal	2.80	444		375	375	375.00
LT03	Industrial Optional	2.80		1200	375	375	375.00
LT03	Pisciculture/Prawn culture (below 10 HP)	2.80	0	0	90	90	155.82
LT03	Sugarcane crushing	2.80	0	0	50	50	50.00
LT IIIb	INDUSTRIAL OPTIONAL						
LT03	SSI Units	2.80		1200	375	375	375.00
LT03	Seasonal Industries	2.80	₹	₹	440	## 440	440.00
LT IV	COTTAGE INDUSTRIES	2.80	120	0	180	180	196.24

CONSUMER CATEGORY		CoS	HP Charge (Rs/Annum)	kVA Charge	Current Tariff	Proposed Tariff	Commissi on Determin ed Tariff
					Energy Charge (ps/unit)		
LT V	IRRIGATION AND ARICULTURE						
LT05	With DSM Measures						
LT05	Dry Land F. (Connections <=3)	2.42	0	0	0	0	86.87
LT05	Wet Land F(Holdings<=2.5 Acres)	2.42	0	0	0	0	86.86
LT05	Dry Land F. (Connections > 3)	2.42	# 210	0	20	20	99.36
LT05	Wet Land F(Holdings > 2.5 Acres)	2.42	# 210	0	20	20	99.38
LT05	Corporate Farmers & IT Assesses	2.42	0	0	100	100	149.42
LT05	Without DSM Measures						
LT05	Dry Land F. (Connections <=3)	2.42	# 210	0	20	20	242.03
LT05	Wet Land F(Holdings<=2.5 Acres)	2.42	# 210	0	20	20	242.03
LT05	Dry Land F. (Connections > 3)	2.42	# 525	0	50	50	50.00
LT05	Wet Land F(Holdings > 2.5 Acres)	2.42	# 525	0	50	50	50.00
LT05	Corporate Farmers & IT Assesses	2.42	0	0	200	200	200.00
LTVb	AGRICULTURE (TATKAL)	2.42	0	0	20	20	99.40
LT Via	LOCAL BODIES, STREET LIGHTING AND PWS SCHEMES						
LT06	Street Lighting						
LT06	Minor Panchayats	3.41	0	0	156	156	218.98
LT06	Major Panchayats	3.41	0	0	208	208	251.56
LT06	Nagarpalikas & Municipalities (Gr 3)	3.41	0	0	274	274	293.07

CONSUMER CATEGORY		CoS	HP Charge (Rs/Annum)	kVA Charge	Current Tariff	Proposed Tariff	Commissi on Determin ed Tariff
					Energy Charge (ps/unit)		
LT06	Municipalities (Gr 1&2)	3.41	0	0	326	326	326.00
LT06	Municipalities Selection Special Gr	3.41	0	0	353	353	353.00
LT06	Corporations	3.41	0	0	379	379	379.00
LT Vib	PWS Schemes						
LT06	Minor/ Major Panchayats						
LT06	Upto 2500 units/Yr	3.41	0	0	20	20	133.74
LT06	Above 2500 units/Yr	3.41	0	0	50	50	152.55
LT06	All Nagarpalikas & Municipalities			0			
LT06	Upto 1000 units	3.41	240	0	375	375	375.00
LT06	More than 1000 units	3.41	240	0	405	405	405.00
LT06	Municipal Corporations			0			
LT06	Upto 1000 units	3.41	240	0	405	405	405.00
LT06	More than 1000 units	3.41	240	0	460	460	460.00
LT VII	GENERAL PURPOSE	3.35	0	0	400	400	400.00
LT VIII	TEMPORARY SUPPLY	3.30	0	0	620	620	620.00
LT08	Tempoary Supply to Agriculture	3.30	0	0	230	230	230.00
HT I	INDUSTRY GENERAL						
HT01	132 KV and above	1.88		3000	280	280	280.00
HT01	33KV	2.01		2760	310	310	310.00
HT01	11 KV and below	2.33		2340	330	330	330.00
HT Ib	FERRO ALLOYS	1.88			255	255	255.00
HT01	Lights and Fans				440	440	
	132 KV and above	1.88					440.00
	33KV	2.01					440.00
	11 KV and below	2.33					440.00
HT01	Colony				350	350	
	132 KV and above	1.88					350.00
	33KV	2.01					350.00
	11 KV and below	2.33					350.00

CONSUMER CATEGORY		CoS	HP Charge (Rs/Annum)	kVA Charge	Current Tariff	Proposed Tariff	Commission on Determined Tariff
					Energy Charge (ps/unit)		
HT01	Seasonal Industries			@	440	440	
	132 KV and above	1.88					440.00
	33KV	2.01					440.00
	11 KV and below	2.33					440.00
HT II	INDUSTRY OTHERS						
HT02	132 KV and above	--		2340	365	365	365.00
HT02	33KV	2.50		2340	390	390	390.00
HT02	11 KV and below	2.96		2340	440	440	440.00
HT IV	IRRIGATION AND AGRICULTURE						
HT03	Government Lift Irrigation Schmes	1.15		0	236	236	236.00
HT03	Agriculture	2.14			0	0	79.98
HT V	RAILWAY TRACTION	2.36		2,340	420	420	410.00
HT VI	TOWNSHIPS AND RESIDENTIAL COLONIES	2.54		0	350	350	350.00
HT OTHERS	OTHER SALES						
HT06	Rural Co-operatives	2.19		0	21	21	94.75
HT07	Temporary	2.17		\$	\$	\$	\$

\$ - 1.5 times the normal tariff for the respective HT category
 ## - Off-season tariff
 # - Equivalent flat rate tariff
 § - For LT III (A (i)) 30% of the contracted load shall be taken for billing at the rate of RS.37/HP/month; For LT III (A)(ii) & (B) Demand charges shall be billed on recorded maximum demand or 30% of contracted demand which ever is higher at the rate of RS.100/kVA/month.
 @ - Demand changes at the rates applicable for respective voltage shall be billed on the recorded Demand or 30% of the contracted Demand whichever is higher

Government Policy Direction:

354. Under Section 108 of the Electricity Act the GoAP issued policy direction to maintain the retail tariffs as proposed by the Licensees in a uniform manner across the State. The Commission in tune with this policy directive decided to revert to proposed tariff by the licensees except in case of Railway Traction for which the Commission reduced the tariff by ps.10 / kWh compared with the proposed tariff.
355. The GoAP has further decided to continue with the “single bulb scheme” for the FY 2007-08. Hence the GoAP has agreed to pay additional subsidy to the Utilities for effecting supplies under this scheme.
356. The GoAP further informed that for maintaining the Retail Tariffs as proposed by the DISCOMs it will provide subsidy to an amount of Rs. 421.65 Crs. to the DISCOM. The table below gives the details of subsidy allocation for FY 2007-08 to the various subsidized categories:

Table 49 : Details of Subsidy Allocation in FY 2007-08

(Rs. Crores)

Particulars	Amount
Domestic	84.63
Cottage Industries	0.43
LT Agriculture	291.36
Local (Public) Bodies	26.47
HT Agriculture	4.02
RESCOS	14.42
Total	421.65

Administration of Subsidy:

357. Subsidy provided by the GoAP is administered as follows:
- The subsidy given by the GoAP as per Section 65 of Electricity Act 2003 is for maintaining the tariffs at the levels proposed by the DISCOMs in respect of the subsidized categories.
 - Each DISCOM gets the subsidy commensurate to the extent of energy sales projected in each subsidised category.
 - The subsidy allocation to each DISCOM as calculated in (b)

above must be paid by the GoAP to the respective DISCOMs in monthly instalments, in advance.

358. The Subsidy administration mechanism Directive outlined in paragraph 860 of the Tariff Order for FY2004-05 and reiterated in paragraph 701 of Tariff Order FY2005-06 and as extracted below shall apply.

“The DISCOMs shall file before the Commission the actual sales to subsidized categories of consumers for whom the GoAP agreed to pay the subsidy every month and the Commission will monitor the units actually sold by the DISCOMs vis-à-vis the subsidy provided. At the end of the year, subsidy adjustments will be made based on the consumption of units in respect of various subsidized categories.”

Final Retail Tariffs

359. The schedule of Retail Supply Tariff applicable for all categories of consumers for FY2007-08 is provided in **Annexure-D**.

All DISCOMS

360. The Tariffs and other conditions as per the **Annexure - D** to this Order will be applicable for the respective categories under LT and HT supply for all DISCOMs.
361. These tariffs take effect from 01st April, 2007.

This Order is signed on the 20th day of March, 2007

Sd/-
(R.RADHA KISHEN)
MEMBER

Sd/-
(SURINDER PAL)
MEMBER

Sd/-
(K.SWAMINATHAN)
CHAIRMAN

ANNEXURES

ANNEXURE - A

LIST OF DIRECTIVES BROUGHT FORWARD FOR CONTINUED COMPLIANCE

1. Energy Audit

The DISCOMs shall conduct regular and thorough energy audit to ensure accountability. A copy of the Energy Audit Reports of each DISCOM to be filed with the Commission on a quarterly basis.

The Licensee shall henceforth reconcile the energy accounting figures annually and file reconciliation statements along with the audited Annual Accounts every year.

2. Management of Industrial Feeders

The DISCOMs shall submit data log sheets for supply conditions pertaining to the previous 30 days through RS 232 communications port, along with an abstract summary statement pertaining to their company regarding interruptions to industrial feeders once in a month to the Commission. The Commission intends to observe the time being taken to restore power and the quality of power supplied to industries to ensure supply of uninterrupted quality power.

3. Availability of copies of ARR/Tariff filings

The Licensees shall invariably make available copies of their ARR/Tariff filings available at all the district headquarters.

4. Agricultural consumption Estimates

The DISCOMs shall file the monthly agricultural consumption estimate in two parts, a) consumption estimate for unmetered services based on LV side DTR meters, and b) consumption on account of services released under Tatkal scheme and metered services. The estimate shall be filed with the Commission by 25th of every month.

5. Metering & Billing

The Commission reiterates its previous directive (Tariff Order for 2002-03) that a) for loads of 20HP and above but below 50HP, LT demand meters should be fixed; and b) for loads of 50HP and above but up to 75HP, tri-vector meters be fixed and the metering should be on the HT side.

- (a) The DISCOMs should make full-scale efforts to fill the gaps in sales database and achieve the stipulated 2 to 3 percent sales ratio of assessed sales of total metered sales by 30th September, 2007.
- (b) The DISCOMs shall file a Metering, Billing and Collection (MBC) report based on sales database, by 25th of every month without fail.

6. Multiple connections

The DISCOMs to conduct a door-to-door checking of all services and to remove all multiple connections and on a continuous basis.

7. Subsidy Administration

The DISCOMs shall file before the Commission the actual sales to subsidized categories of consumers for whom the GOAP agreed to pay the subsidy every month and the Commission will monitor the units actually sold by the DISCOMs vis-à-vis the subsidy provided. At the end of the year, subsidy adjustments will be made based on the consumption of units in respect of various subsidized categories. For measuring the sales to the subsidized categories, the agricultural consumption estimate based on LV side meter readings on DTRs shall be the basis. For measuring the sales to metered categories of consumers, the sales database shall be the basis.

The Commission reiterates that in case the subsidy is not paid regularly on monthly basis, in advance, by GoAP, the DISCOMs shall revert to the full cost tariff fixed by the Commission.

The GOAP obligation towards subsidy payments to DISCOMs is limited to the quantities mentioned in this order. If the DISCOMs exceed tariff order

quantities and thus the subsidy requirement, the Commission will not entertain any request for additional quantities of energy to subsidized categories unless the permission of the GoAP is taken for additional subsidy if the excess consumption relates to agriculture. In other categories, if there is excess consumption, no additional subsidy will be recommended by the Commission to GoAP.

8. Defaulters' List

The Licensees shall post on their website, the list of all those defaulters whose dues exceed Rs.50,000, along with the reasons for non-collection and details of litigation involved, if any. This data shall be updated every six months and will be displayed on the first of the second month following the end of the previous half-year. Thus, the data pertaining to the dues as on 31st March shall be posted by 1st May and that as on 30th September by 1st of the following November on the respective websites of the DISCOMs.

9. Market Survey

The Licensee shall carry out a census of all HT consumers covering aspects like type of activity, connected load, contracted load, captive capacity, types of loads, sources of power purchase including third parties, and other technical and commercial parameters and file a report thereon with the Commission by 30th September 2006.

10. Generation of Power from Hydel Stations of APGENCO

The DISCOMs should closely coordinate with APGENCO to ensure that no unit of Srisaïlam complex (Left Bank Power House and Right Bank Power House) is backed down or shut down during the surplussing season. In case of generation of surplus energy by them over and above the requirements of DISCOMs and other users of energy, they should shut down some unit(s) of Thermal Power Stations with marginal variable cost in the merit order if reduction of generation up to backing down limit does not help bring down the frequency to a safe level.

11. Consumer Pass Books

The licensees shall take up the implementation of the Commission's directive to issue passbooks to all consumers in right earnest and submit a progress report thereon every 30th July and 31st January. However, it will be the consumer's responsibility to get the passbook updated at the time of meter reading / issue of the bill.

ANNEXURE - B

LIST OF FRESH DIRECTIVES

1. Break-up of voltage-wise losses in Distribution Network

The DISCOMs shall invariably submit the break-up of losses at each voltage - level such as LT, 11 kV and 33 kV for grossing-up of month-wise sales to arrive at the power purchase requirement consistent with MYT losses.

(Paragraph 228)

2. Merit Order Despatch deviation

The DISCOMs to furnish a monthly report on deviations along with reasons for such deviations in actual dispatch of Generating Stations in Merit Order compared to the monthly dispatch schedule adopted in this Tariff Order showing the quantum of energy in MU for each generating station. This monthly report must be placed on the DISCOMs' websites. They are also directed to follow the directive of the Commission vide paragraph 479 of Tariff Order 2005-06 on maintenance schedule based on demand & supply position in different months.

(Paragraph 232)

3. Inter-DISCOM transfer price based on Centralized Despatch

The DISCOMs shall estimate the Power Purchase cost on Centralised Despatch for all shared generating stations keeping in view their requirements and arrive at the D-D transaction price appropriately. A prototype model shall be developed by the DISCOMs and demonstrated to the Commission by 30th June 2007.

(Paragraph 246)

4. un-authorized collection of re-connection charges without actual disconnection

The Commission, while re-iterating its directive in para 211 of the Tariff Order of 2006-07, directs that the Licensees shall adjust all such un-authorized collections in future C.C. bills along with interest @24% p.a. Further, the affected consumers are entitled to approach the respective

Forums for Redressal of Grievances of consumers if such payment is demanded by the Licensees (Paragraph 213)

5. Fixing meters on poles

The Central Power Distribution Company (CPDCL) to furnish the data of loss-reduction on 11 kV feeders and also improvement in revenues from services in the areas where pole-mounted metering was implemented. This information may be filed with the Commission by 30-06-2007 and may also be kept on the DISCOMs' website. (Paragraph 217)

6. Compensation for default in Standards of Performance

The DISCOMs shall duly submit the presented monthly and annual reports to the Commission furnishing inter-alia the details of compensation paid to the affected consumers pursuant to the default in complying with the "Guaranteed Standards of Performance" specified in the Regulation No.7 of 2004, as required under clause 5 thereof. (Paragraph 191)

7. Implementation of Energy Conservation Act 2005

The DISCOMs shall submit a report on the action taken to implement the provisions of the Energy Conservation Act, 2005. They shall also submit proposals for offering suitable incentives to the Industrial consumers who comply with the provisions of the Energy Conservation Act, 2005. The report along with proposals on incentives may be submitted to the Commission by 30-09-2007. (Paragraph 224)

8. Safety Measures

The Licensees shall file the action plan to adhere to appropriate safety standards, to periodically inspect their electrical installations, to take prompt action to rectify any shortcomings noticed or brought to their notice and to lay down a time schedule therefor as required to be filed by them in terms of para 186 of the Tariff Order 2006-07, by 30-09-2007.

(Paragraph 188)

9. Compensation to the victims of accidents

The DISCOMs to work out, and display on their website, a transparent procedure for determination and payment of compensation in accident cases, by 30-09-2007. (Paragraph 190)

10. Copies of Test Reports on Testing of Meters

The SPDCL in particular and all other DISCOMs in general will ensure that copies of the Test Reports on the tests conducted on the consumer meters are invariably made available to consumers to afford an opportunity to them to record their comments (Paragraph 210)

11. Expenditure on e-seva

The Licensees to stop bill collection through e-seva centers with effect from 01-04-2007. Continuance of e-seva services by DISCOMs in 2007-08, would be considered as a violation of Commission's orders and the Licensees will be liable for action under section 142 of the Act. Action will also be initiated against the officers who are responsible for flouting the directives of the Commission repeatedly. (Paragraph 221)

12. Un-authorized Agricultural connections:

The Licensees to conduct a census of the un-authorized agricultural connections and submit the same by 31-05-2007. All such un-authorized connections should be removed within a period of 6 months i.e., by 30-11-2007. The DISCOMs shall be at liberty to take up the matter with the State Government for regularization; if any regularization is contemplated under Government Policy. The DISCOMs shall file their action plans in this regard by 31-07-2007. (Paragraph 178)

13. Telugu version of important documents:

The Licensees shall bring out the Telugu version of the GTCS at the earliest, and make available copies of the same to the needy persons at a reasonable cost. Similarly, the Licensees shall take action to bring out Telugu versions of all important documents like Annual reports etc. (Paragraph 158)

14. Treatment of lighting load in poultry farms:

The Licensees shall examine the claim of the Poultry Farmers' Association in the light of the pleadings made by the Association and file their specific proposals on relaxations, if any, to be granted in respect of lighting load in poultry farms, while submitting ARR/Tariff filings proposals for 2008-09.

(Paragraph 202)

ANNEXURE - C

WAIVERS REQUESTED BY DISCOMS

No waivers were requested by DISCOMs.

ANNEXURE - D

SCHEDULE OF RETAIL TARIFF RATES AND TERMS & CONDITIONS IN RESPECT OF THE FOUR DISTRIBUTION COMPANIES FOR FY - 2007-08

PART 'A' - H.T. TARIFFS

These tariffs are applicable for supply of Electricity to H.T. Consumers having loads with a contracted demand of 70 kVA and above and/or having a connected load exceeding 75 H.P/56 kW excepting the LT III (B) industrial category.

H.T. CATEGORY - I

This tariff is applicable for supply to all H.T. Industrial Consumers. Industrial purpose shall mean manufacturing, processing and/or preserving goods for sale, but shall not include shops, Business Houses, Offices, Public Buildings, Hospitals, Hotels, Hostels, Choultries, Restaurants, Clubs, Theatres, Cinemas, Railway Stations and other similar premises not withstanding any manufacturing, processing or preserving goods for sale. The Water Works of Municipalities and Corporations and any other Government organisations come under this category. The Information Technology units identified and approved by the Consultative Committee on IT industry (CCITI) constituted by Govt. of AP also fall under this category.

INDUSTRY - GENERAL

DEMAND CHARGES & ENERGY CHARGES

	Demand Charges	Energy Charges
	Rs/kVA/month of Billing Demand	Paise/unit
132kV and above	250	280
33kV	230	310
11kV	195	330

IMPORTANT

- i) The billing demand shall be the maximum demand recorded during the month or **80%** of the contracted demand whichever is higher.
- ii) Energy charges will be billed on the basis of actual Energy consumption or **50 units** per kVA of billing demand whichever is higher
- iii) FSA will be extra as applicable

FERRO ALLOY UNITS

DEMAND CHARGES & ENERGY CHARGES

	Demand Charges	Energy Charges
	Rs/kVA/month of Billing Demand	Paise/unit
Ferro Alloys	Nil	255

Conditions

1. Guaranteed energy off-take at 85% annual Load Factor on Contracted Maximum Demand or Actual Demand whichever is higher. The energy falling short of 85% Load Factor will be billed as deemed consumption.
2. The consumer shall draw his entire power requirement from DISCOMs only.
3. Not eligible for HT-I Load Factor incentive.

FSA will be extra as applicable

Notes:

1) **Incentive**

- a) The following incentives are applicable for HT-category-I (A) consumers:

Load Factor (LF)

More than 50% up to 70%
More than 70%

Discount applicable on the energy rates

25% on the energy above 50% LF
25% on the energy above 40% LF

- b) The incentive scheme is applicable for the consumption with the above mentioned load factors. This scheme will be effective till 31 March 2008.

2) **Consumption of energy for lights and fans in factory:**

The consumption of energy for lights and fans in the factory premises in excess of 10% of total consumption shall be billed at 440 paise per unit provided lights and fans consumption in the Unit is separately metered.

3) **Case of non-segregation of fans and lights**

In case segregation of light and fan loads has not been done, 15% of the total energy consumption shall be billed at 440 paise per unit and the balance units shall be charged at the corresponding energy tariff under HT category -I(A).

4) **Colony Consumption**

The consumption of energy exclusively for the residential colony/ township in a month, separately metered with meters installed by the consumer and tested and sealed by the Licensee shall be billed at 350 paise per unit.

5) Seasonal Industries

Where a consumer avails supply of energy for manufacture of sugar or ice or salt, decorticating, ginning and pressing, fruit processing, tobacco processing and re-drying and for such other industries or processes as may be approved by the Commission from time to time principally during certain seasons or limited periods in the year and his main plant is regularly closed down during certain months of the year, he may be charged for the months during which the plant is shut down (which period shall be referred to as the **off-season** period) as follows under H.T. Category-II rates.

DEMAND CHARGES & ENERGY CHARGES		
	Demand Charges #	Energy Charges
	Rs/kVA/month of Billing Demand	Paise/unit
132kV and above	250	365
33kV	230	390
11kV	195	440

Based on the Recorded Maximum Demand or 30% of the Contracted Demand whichever is higher
FSA will be extra as applicable

This concession is subject to the following conditions:

- i) Consumers, classified as seasonal load consumers, who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.
- ii) The period of season shall not be less than 4(four) continuous months. However, consumer can declare longer seasonal period as per actuals.
- iii) Existing eligible consumers who have not opted earlier for seasonal tariffs will also be permitted to opt for seasonal tariff on the basis of application to the concerned Superintending Engineer of the Licensee.
- iv). The seasonal period once declared cannot be changed, during the

- Tariff year in which it is declared.
- v). The off-season tariff is not available to composite units having seasonal and other categories of loads.
 - vi). The off-season tariff is also not available for such of those units who have captive generation exclusively for process during season and who avail supply from Licensee for miscellaneous loads and other non-process loads.
 - vii). Any consumer who after declaring the period of season consumes power for his main plant during the off-season period, shall not be entitled to this concession during that year.
 - viii). Development charges @ Rs.500/- per kVA, shall be paid by the consumer in advance for availing supply under the above said category with seasonal benefits.

H.T. CATEGORY-II Non - Industrial

This tariff is applicable to all H.T. Consumers other than those covered under other H.T. Categories:

DEMAND CHARGES & ENERGY CHARGES		
	Demand Charges	Energy Charges
	Rs/kVA/month of Billing Demand	Paise/unit
132kV and above	250	365
33kV	230	390
11kV	195	440

IMPORTANT

- i) The billing demand shall be the maximum demand recorded during the month or **80%** of the contracted demand, whichever is higher
- ii). Energy charges will be billed on the basis of actual Energy consumption or **25 units** per kVA of Billing Demand, whichever is higher.
FSA will be extra as applicable

Note

In respect of Government controlled Auditoriums and Theatres run by public

charitable institutions for purpose of propagation of art and culture which are not let out with a profit motive and in respect of other Public Charitable Institutions rendering totally free service to the general public the overall unit rate (including customer charges) may be limited to the tariff rates under L.T. Category-VII General purpose in specific cases as decided by the Licensee.

H.T. CATEGORY-III (Deleted)

H.T. CATEGORY-IV (A)- GOVT. LIFT IRRIGATION SCHEMES

This tariff is applicable to lift irrigation schemes managed by Government.

ENERGY CHARGES:

For all units consumed during the month .. 236 paise/unit

FSA will be extra as applicable if it is for purposes other than agriculture.

H.T. CATEGORY -IV(B)- AGRICULTURAL

This tariff is applicable for consumers availing H.T. Supply for Irrigation and Agricultural purposes and not covered under HT Category IV(A).

ENERGY CHARGES: zero paise/unit

NOTE:

- i). If the consumer does not maintain the capacitors of requisite capacity as indicated in PART-'D' of this Annexure, the consumer attracts the penal provisions as per the General Terms and Conditions of Supply notified by the licensees from time to time, as also indicated in Note 4 in Part 'D' of this Annexure.
- ii). The metering is mandatory for both categories A&B and Energy reading shall be taken even if the supply is free.
- iii). The Customer Charges are payable as per PART 'C' herein.
- iv). The Low Power Factor surcharge condition mentioned in General conditions of HT Supply under part 'A' HT - Tariffs shall be applicable for Govt. lift irrigation schemes.

H.T. CATEGORY-V - RAILWAY TRACTION

This tariff is applicable to all H.T. Railway Traction Loads.

NO DEMAND CHARGES

ENERGY CHARGES

For all units consumed ..410 paise per unit

IMPORTANT

Energy charges will be billed on the basis of actual energy Consumption or 32 units per kVA of Contracted Maximum Demand whichever is higher.

FSA will be extra as applicable

HT CATEGORY -VI - TOWNSHIPS AND RESIDENTIAL COLONIES

This tariff is applicable exclusively for Townships and Residential colonies of Cooperative group housing societies who own the premises and avail supply at single point in the same premises, at HT and any person who avails supply at single point at HT for making electricity available to his employees residing in a contiguous premises for domestic purpose, such as lighting, fans, heating etc., provided that the connected load for common facilities such as non-domestic supply in residential area, street lighting and water supply etc., shall be within the limits specified hereunder:

Water Supply & Sewerage and Street Light put together	10% of total connected load
--	------------------------------------

Non-domestic/Commercial & General purpose put together	10% of total connected load
---	------------------------------------

NO DEMAND CHARGES

ENERGY CHARGES

For all units consumed ... 350 paise per unit

IMPORTANT

Energy Charges will be billed on the basis of actual consumption or 25 units per kVA of Contracted Demand, whichever is higher.

FSA will be extra as applicable

The above provisions shall not in any way affect the right of a person residing in the housing unit sold or leased by such Cooperative Group Housing Society, to demand supply of electricity directly from the distribution licensee of the area.

GENERAL CONDITIONS OF H.T. SUPPLY

The foregoing tariffs are subject to the following conditions:-

(1) A. VOLTAGE OF SUPPLY

The voltage at which supply has to be availed by:

- (i) HT consumers, seeking to avail supply on common feeders shall be:
For Total Contracted Demand with the Licensee and all other sources.

Upto 1500 kVA	11000 Volts
1501 kVA to 5000 kVA	33000 Volts
Above 5000 kVA	132000 Volts or 220000 Volts as may be decided by Licensee

- (ii) HT Consumers seeking to avail supply through independent feeders from the substations where transformation to required voltage takes place shall be:

For total contracted Demand with the licensees and all other sources.

Upto 2500 kVA	11000 Volts
2501 kVA to 10,000 kVA	33000 Volts
Above 10000 kVA	132000 Volts or 220000 Volts

The relaxations are subject to the fulfillment of following conditions:

- (a). The consumer should have an exclusive dedicated feeder from the substation where transformation to required voltage takes place
- (b). The consumer shall pay full cost of the service line as per standards specified by APTRANSCO/DISCOM including take off arrangements at substation;

B. VOLTAGE SURCHARGE

H.T. consumers who are now getting supply at voltage different from the declared voltages and who want to continue taking supply at the same voltage will be charged as per the rates indicated below:

Sl No	Contracted demand with Licensee and other sources	Voltage at which supply should be availed	Voltage at which consumer is availing supply	Rates % Extra Over Normal Rate	
				Demand Charge/KVA	Energy Charge/Kwh
	kVA	kV	kV		
1.	70 to 1500	11	6.6 or below	12%	10%
2.	1501 to 5000	33	11 or below	12%	10%
3.	Above 5000	132 or 220	66 or below	12%	10%
Note: The FSA will be extra as applicable					

For HT consumer availing supply through independent feeders.

Sl. No	Contracted Demand with DISCOM and other sources	Voltage at Which supply should be availed	Voltage at Which Consumer is availing supply	Rates % Extra Over Normal Rate	
				Demand Charge/kVA	Energy Charge/kWh
	kVA	kV	kV		
1	70 to 2500	11	6.6 or below	12%	10%
2	2501 to 10,000	33	11 or below	12%	10%
3	Above 10,000	132 or 220	66 or below	12%	10%

Note: The FSA will be extra as applicable

(2) MAXIMUM DEMAND

The maximum demand of supply of electricity to a consumer during a month shall be twice the largest number of Kilo-Volt- Ampere Hours (kVAh) delivered at the point of supply to the consumer during any consecutive 30 minutes in the month. However, for the consumers having contracted demand above 4000 kVA the maximum demand shall be four times the largest number of Kilo-Volt-Ampere-Hours(kVAh) delivered at the point of supply to the consumer during any consecutive 15 minutes in the month.

(3) BILLING DEMAND

The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher

(4) MONTHLY MINIMUM CHARGES

Every consumer whether he consumes energy or not shall pay monthly minimum charges calculated on the billing demand plus energy charges specified for each category in this part to cover the cost of a part of the fixed charges of the Licensee.

(5) SURCHARGE FOR LOW POWER FACTOR

The power factor for the month shall be the ratio of Kilo-Watt hours to the Kilo-Volt-Ampere Hours supplied to the consumer during the month. The power factor shall be calculated upto two decimal places. The power factor of the consumer's installation shall not be less than 0.90. If the power factor falls below 0.90 during any month, the consumer shall pay a surcharge as detailed below:

S.No	Power Factor Range	Surcharge
1.	Below 0.90 & upto 0.85	1% of C.C.charges bill of that month for every 0.01 fall in Power Factor from 0.90
2.	Below 0.85 & Upto 0.80	1.5% of C.C. charges bill of that month for every 0.01 fall in Power Factor from 0.85
3.	Below 0.80 & Upto 0.75	2% of C.C.charges bill of that month for every 0.01 fall in Power Factor from 0.80
4.	Below 0.75	3% of C.C.charges bill of that month for every 0.01 fall in Power Factor from 0.75

Should the power factor drop below 0.75 and so remain for a period of 2 consecutive months it must be brought upto 0.90 within a period of 6 months by methods approved by the Licensee failing which, without prejudice to the right of the Licensee to collect surcharge and without prejudice to such other rights as having accrued to the Licensee or any other right of the Licensee, the supply to the consumer may be discontinued.

(6) ADDITIONAL CHARGES FOR MAXIMUM DEMAND IN EXCESS OF THE CONTRACTED DEMAND

If in any month the recorded maximum demand of the consumer exceeds his contracted demand (with Licensee), that portion of the demand in excess of the contracted demand will be billed at twice the normal charges.

(7) TEMPORARY SUPPLY AT HT

i) For new connections: Temporary supply at High Tension may be made available by the Licensee to a consumer, on his request subject to the conditions set out herein-after as also in Part-C. Temporary supply shall not ordinarily be given for a period exceeding 6(six) months. The electricity supplied to such consumer shall be charged for, at rates 50% in excess of the rates set out in the H.T. Tariffs applicable subject to, however, that the billing demand for temporary supply shall be the contracted demand or the recorded maximum demand registered during the month whichever is higher.

ii) Existing consumers requiring temporary supply or temporary increase in supply: If any consumer availing regular supply of electricity at High Tension requires an additional supply of electricity at the same point for a temporary period, the temporary additional supply shall be treated as a separate service and charged for as in Clause(i) above, subject to the following conditions:

a) The contracted demand of the temporary supply shall be the billing demand for that service. The recorded demand for the regular service shall be arrived at by deducting the billing demand for the temporary supply from the maximum demand recorded in the month.

b) The total energy consumed in a month including that relating to temporary additional supply, shall be apportioned between the regular and temporary supply in proportion to the respective billing demands.

(8) ADDITIONAL CHARGES FOR BELATED PAYMENT OF CHARGES

The consumer shall pay an additional charge at Seven (7) paise per One

hundred rupees per day of delay on the amount of the bill for the period of delay if he does not pay the bill within the prescribed period. The amount of additional charges shall be rounded off to nearest paisa.

(9) CUSTOMER CHARGES

Every consumer of H.T. electricity shall in addition to demand and energy charges billed as per tariff applicable to them, pay customer charges as applicable.

(10) FUEL SURCHARGE ADJUSTMENT

Fuel Surcharge Adjustment (FSA) is applicable to all categories except agriculture. FSA is applicable as notified by the Commission from time to time as per the regulations made by the Commission in this behalf.

(11) GRID SUPPORT CHARGES

Persons operating Captive Power Plants (CPPs) in parallel with A.P. Grid have to pay 'Grid Support Charges' on the difference between the capacity of CPP in kVA and the contracted Maximum Demand in kVA with Licensee and all other sources of supply, at a rate equal to 50% of the prevailing demand charge for HT Consumers. In case of CPPs exporting firm power to APTRANSCO, the capacity, which is dedicated to such export, will also be additionally subtracted from the CPP capacity. This levy is subject to the orders of the Hon'ble Supreme Court in the pending appeals before it.

(12). The Tariffs are exclusive of Electricity duty payable as per the provisions of AP Electricity Duty Act.

(13). These rates are applicable in the areas of operation of 4 (four) Distribution Companies viz., Andhra Pradesh Eastern Power Distribution Company Limited, Andhra Pradesh Central Power Distribution Company Limited, Andhra Pradesh Northern Power Distribution Company Limited and Andhra Pradesh Southern Power Distribution Company Limited. (The jurisdiction of the DISCOMs extends to the RESCOs areas also for purpose of supply to HT Consumers).

PART 'B' : L.T.TARIFFS

System of Supply Low Tension A.C. 50 Cycles
Three Phase Supply at 415 Volts
Single Phase supply at 240 Volts

The tariffs are applicable for supply of Electricity to L.T consumers with a connected load of 56 KW/75 HP and below including the LT-III (B) Industrial category.

L.T. CATEGORY-I-DOMESTIC

Applicability

Applicable for supply of energy for lights and fans and other domestic purposes in domestic premises.

Rates

Consumers shall pay electricity charges as shown below:

0-50 units per month	145 paise per unit
51-100 Units/month	280 paise per unit
101-200 Units/month	305 paise per unit
201-300 Units/month	475 paise per unit
Above 300 Units/month	550 paise per unit

Subject to monthly minimum charges of:

Single Phase:	
Upto 250 W	.. Rs.25/ Month
Above 250 W	.. Rs.50/ Month
Three Phase	.. Rs.150/ Month
FSA will be extra as applicable	

Notes:

1. For loads less than 3KW single phase supply only will be given.
2. If electricity supplied in domestic premises is required to be used for non-domestic and commercial purposes a separate connection should be taken for such loads under LT - II failing which the entire supply shall be charged under L.T.Category-II tariff apart from liability for penal charges as per the terms and conditions of the supply.
3. For common services like Water supply, common lights in corridors and supply for lifts in multistoried buildings, consumers shall pay electricity charges as follows:

- (i). At L.T.Category-I, if the plinth area occupied by the domestic consumers is 50% or more of the total plinth area.
 - (ii). At L.T.Category-II, if the plinth area occupied by the domestic consumers is less than 50% of the total plinth area.
 - (iii). If the service in a flat is for domestic purpose, it will be charged at L.T.Category -I (Domestic). If the service in a flat is for commercial or office use or any other purpose, which does not fall under any L.T.Category, it will be charged at L.T. Non-Domestic Category-II.
4. Single Point LT services released to residential complexes of State Government/ Central Government Departments under specific orders of Licensee with Contracted Load/ Connected Load in excess of 56 KW/75 HP shall continue to be billed under LT-I Domestic tariff slab rate applicable based on the average monthly energy consumption per each authorized dwelling i.e. total energy consumption in the month divided by the number of such dwelling units, in the respective residential complexes.

The above orders are subject to the following conditions, namely:

- a). Orders are applicable to Police Quarters and other State/Central Government residential complexes specifically sanctioned by the Licensee.
 - b). Provided that it is at the request of the designated officer, who shall give an unconditional undertaking that he will pay up the bill for CC charges to the Licensee irrespective of collection from the individual occupants.
 - c). The consumers shall be billed at the appropriate slab rate in tariff based on the average monthly consumption per dwelling unit in the complex.
 - d). Meter reading shall be taken monthly in all such cases.
 - e). Customer charges calculated at Rs.20 per month for each dwelling unit shall be billed.
5. Where an individual consumer seeks to avail supply for Domestic purpose with a connected load of over 56KW/75HP, such consumers may be given supply under this category subject to the following conditions.
- (a). The metering shall be provided by the DISCOMs on HT side of the distribution transformer
 - (b). Meter reading shall be done monthly and the energy recorded in the

HT metering shall be billed at tariff rates under LT category I.

L.T. CATEGORY-II - NON-DOMESTIC AND COMMERCIAL

Applicability

Applicable for supply of energy for lights and fans for non-domestic and commercial purposes excluding loads falling under L.T. Categories I, III to VII and shall include supply of energy for lighting, fans, heating and power appliances in Commercial and Non-Domestic premises such as shops, business houses, offices, public buildings, hospitals, hostels, hotels, choultries, restaurants, clubs, theaters, cinema halls, railway stations, Timber Depots, Photo Studios and other similar premises.

The Educational Institutions run by individuals, Non-Government Organisations or Private Trusts and their student hostels are also classified under this category. Exclusions for this would be those that qualify to be under Category LT-VII.

Consumers shall pay electricity charges as shown below:

First 50 Units /month	..	395 Paise per Unit
Above 50 Units/ month	..	625 Paise per Unit
Monthly Minimum Charges	..	Rs. 65 per month for Single Phase
	..	Rs.200 per month for Three Phase
FSA will be extra as applicable		

Notes:

- 1). For Loads less than 5 KW single phase supply only will be given.
- 2). For loads 35 KW and above, a demand meter shall also be provided.
- 3). In respect of the complexes having connected load of more than 56 KW/75 HP released under specific orders of Licensee for Single Point Bulk supply, where such complex is under the control of a specified organisation/ agency taking responsibility to pay monthly current consumption bills regularly and abide by the Terms and Conditions of supply as per agreement, the billing shall be done at the highest slab tariff rate under this category. The energy shall be measured on HT side of the Distribution Transformer feeding the Load. In cases where energy is measured on LT side of the transformer, 3% of the recorded energy during the month shall be added to arrive at the consumption on High Tension side of the transformer.

L.T.CATEGORY-III (A) - INDUSTRIAL: NORMAL CATEGORY

The tariffs are applicable for supply of electricity to Low Tension Industrial consumers with a Contracted load of 75 HP/56 KW and below including incidental lighting load not exceeding 10% of the total Contracted Load. Industrial purpose shall mean supply for purpose of manufacturing, processing and/or preserving goods for sale but shall not include shops, business houses, offices, public buildings, hospitals, hotels, hostels, choultries, restaurants, clubs, theaters, cinemas, railway stations and other similar premises, notwithstanding any manufacturing, processing or preserving goods for sale. This tariff will also apply to Water Works & Sewerage Pumping Stations operated by Government Departments or Co-operative Societies and pumpsets of Railways, pumping of water by industries as subsidiary function and sewerage pumping stations operated by local bodies. This tariff is also applicable to Workshops, flour mills, oil mills, saw mills, coffee grinders and wet grinders, Ice candy units with or without sale outlets, Goshalas, grass cutting and fodder cutting units. The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoAP also fall under this category. Further, this tariff is also applicable to:

- i). Poultry Farming Units other than those coming under LT Category - IV

- ii). Pisciculture and Prawn culture units.
- iii). Mushroom production units, Rabbit Farms.
- iv). Floriculture in Green Houses.
- v). Sugar cane crushing.

Rates:		
Industrial - Normal		
	Fixed Charges/ Demand Charges	Energy Charges Paise/unit
(i) Industry(Normal)	Rs37/HP/month of connected load	375
(ii) Industry (Optional)	Rs.100/kVA/month	375
(iii) Tariff for Pisciculture and Prawn culture units with Contracted Load below 10 HP	-----	90
(iv) Sugar cane crushing	-----	50

Note:

Consumers with connected load between 50 and 75 HP can opt for a two part optional tariff.

IMPORTANT FOR LT III(A) INDUSTRIAL-OPTIONAL Demand Tariff Consumers

- i) The billing demand shall be the maximum demand recorded during the month or **80%** of the contracted demand whichever is higher.
- ii) Energy charges will be billed on the basis of actual Energy consumption or **50 units** per kVA of billing demand whichever is higher

FSA will be extra as applicable

NOTE:

- (i) The Licensee reserves the right to restrict usage of Electricity by the consumers for Industrial purpose during evening peak load hours i.e 17.00 hours to 21.00 hours in any area based on system constraints through notification by the Superintending Engineer of the area from time to

time. Violation of this condition by the industrial consumer shall entail disconnection of power supply.

- (ii) The Contracted load shall be the connected load required by the consumer and so specified in the agreement as per sanction accorded for the service. In the case of Industrial - optional two-part tariff the consumer can declare a contracted demand different from the contracted load but shall not be less than 25 kVA. If the consumer opts for a two part demand tariff the billing demand shall be 80% of the Contracted Demand or Recorded Demand whichever is higher. If the recorded demand exceeds the Contracted Demand such excess demand shall be billed at the demand charge prescribed under HT Category - I (11 kV supply).
- (iii) If the actual connected load for lighting purpose exceeds the prescribed limit of 10%, the energy recorded prorata to the lighting load shall be billed at the LT Category-II highest slab rate. It is not necessary to have a separate service for lighting load in the premises.
- (iv) Sugar cane crushing operations will be allowed under existing agricultural connections with the specific permission of DE (Operation).
- (v) A demand meter shall be provided for the consumers with connected load 20HP to below 50HP.
- (vi) For loads 50 HP to 75 HP the metering will be provided on HT side of the Distribution Transformer.
- (vii) The consumers provided with metering capable of measuring active and reactive power as per the provisions in (v) and (vi) above shall be required to pay LPF surcharge as applicable for HT consumers for the power factor obtaining during billing month subject to ceiling of the level of capacitor surcharge specified for LT consumers under Part-D herein.
- (viii) The Low Power Factor (LPF) surcharge is applicable as in the case of HT consumers for LT Category III (A) Industrial (ii) - Optional demand tariff category.

L.T. CATEGORY - III(B) - INDUSTRIAL

- (I) This tariff is applicable to Small Scale Industrial Units which have been licenced by the Industries Department as bonafide Small Scale Industries and given registration No. under SSI registration scheme with connected loads above 75 HP and upto 150 HP and who wish to avail supply at Low Tension subject to the Conditions mentioned here-under. The applicants should indicate their consent for these conditions, in the application for LT supply. The existing LT Category-III consumers who come under SSI category and who were sanctioned LT supply for connected loads above 75 HP and upto 125 HP subject to certain conditions prior to 15.7.1987, and who did not switch over to HT supply, may also come under this category duly complying with these conditions.

Rates:		
	Demand Charges	Energy Charges
III(B) Industry	Rs. 100/kVA/month	375 paise/unit

IMPORTANT

i) The billing demand shall be the maximum demand recorded during the month or **80%** of the contracted demand whichever is higher.

ii) Energy charges will be billed on the basis of actual Energy consumption or **50 units** per kVA of billing demand whichever is higher

FSA will be extra as applicable.

Conditions:

- (i). The maximum Connected Load under this Category shall not exceed 150 HP including incidental lighting load of not more than 10% of the total connected load. The contracted load shall be as specified in the agreement as per sanction accorded for the service. The consumer shall declare his contracted maximum demand, which shall not be less than 50kVA and shall also be specified in the Agreement.
- (ii). If the recorded demand exceeds the Contracted Demand mentioned in (i) above, such excess demand shall be billed at the demand charge prescribed under HT Category - I (11 kV supply).

- (iii). The consumer should erect his own Distribution Transformer and structure initially along with necessary switchgear. The transformer will be maintained by the Licensee.
- (iv). For new/additional loads the consumer has to comply with the procedures as per the terms and conditions of supply of the Licensee as applicable to HT Industrial consumers.
- (v). The metering will be on HT side of the Distribution Transformer with a Trivector Meter together with MD indicator. The energy recorded in the meter will be billed at the energy charge mentioned above.
- (vi). The Low Power Factor (LPF) surcharge is applicable as in the case of HT consumers for LT III (B) Category.
- (vii). Customer charges shall be as applicable for HT consumers.
- (viii). The conditions (i) & (iii) mentioned in the NOTE under LT Category-III(A) shall be applicable for LT III (B) Industrial Category also.

(II) Seasonal Industries

Where a consumer avails supply of energy under LT III (A)(i)(ii) and LT III(B) for manufacture of sugar or ice or salt, decorticating, fruit processing, ginning and pressing, tobacco processing and redrying and for such other industries or processes as may be approved by the Commission from time to time principally during certain seasons or limited periods in the year and his main plant is regularly closed down during certain months of the year, he may be charged for the months during which the plant is shut down (which period shall be referred to as the **off-season** period) as follows.

LT III(A)(i)

FIXED CHARGES	
on 30% of contracted load	Rs.37/HP/Month
ENERGY CHARGES	
For all units of energy consumed	Rs.440ps/unit
FSA will be extra as applicable	

LTIII(A)(ii) & LT III(B)

DEMAND CHARGES

Based on the Recorded Maximum Demand or
30% of the Contracted Demand Rs.100per kVA/Month.
whichever is higher

PLUS

ENERGY CHARGES

For all the units of energy consumed 440 Paise / unit.

FSA will be extra as applicable

This concession is subject to the following conditions:

- i) Consumers, classified as seasonal load consumers, who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.
- ii) The period of season shall not be less than 4(four) continuous months. However, consumer can declare longer seasonal period as per actuals.
- iii) *Existing eligible consumers who have not opted earlier for availing of seasonal tariffs will also be permitted to opt for seasonal tariff on the basis of application to the concerned Superintending Engineer of the Licensee.*
- iv) *The seasonal period once notified cannot be changed , during one Tariff year.*
- v) The off-season tariff is not available to composite units having seasonal and other categories of loads.
- vi) The off-season tariff is also not available for such of those units who have captive generation exclusively for process during season and who avail supply from Licensee for miscellaneous loads and other non-process loads.
- vii) Any consumer who after declaring the period of season consumes power for his main plant during the off-season period, shall not be entitled to this concession during that year.
- viii) Development charges @ RS. 500/- per kVA shall be paid by the consumer in advance for availing supply under the above said category with seasonal benefits.

L.T. CATEGORY-IV

Cottage Industries and Dhobighats

Applicable for supply of energy to Dhobighats & bonafide small Cottage Industries specifically power looms, Carpentry, blacksmithy, Kanchari, Gold smithy, shilpi and pottery having connected load not exceeding 5H.P. including incidental lighting in the premises. Poultry farming units upto 1000 birds strength (subject to certification by A.P.S.M & P.D.C. as to the strength in the poultry farm) come under this category. If the bird strength of birds in the poultry farm exceeds 1,000 birds, electricity supply to such poultry farms shall be classified under L.T. Category-III (A) or HT category I as the case may be according to the connected load.

Rates

For all units consumed .. 180 Paise per unit

Fixed Charges .. Rs.10/- per month per H.P. of contracted load subject to a minimum of Rs.30/- per month

FSA will be extra as applicable

Notes

- i) It is not necessary to have a separate service for lighting load in the premises.
- ii) Poultry farming units upto 1000 units without certification from APSM &PDC shall be classified under LT Category-III (A) Industrial Tariff.

L.T. CATEGORY - V(A) - AGRICULTURAL

Category	Purpose	Fixed charges	Energy Charge Ps/Unit
With DSM measures	Dry Land Farmers (Connections<= 3 Nos.)		0
	Wet Land Farmers (Holdings<=2.5 Acres)		0
	Dry Land Farmers (Connections > 3 Nos.)	*Rs.210/HP/Year	20
	Wet Land Farmers (Holdings >2.5 Acres)	*Rs.210/HP/Year	20
	Corporate Farmers & IT Assesses		100
Without DSM measures	Dry Land Farmers (Connections<= 3 Nos.)	*Rs.210/HP/Year	20
	Wet Land Farmers (Holdings<=2.5 Acres)	*Rs.210/HP/Year	20
	Dry Land Farmers (Connections > 3 Nos.)	*Rs.525/HP/Year	50
	Wet Land Farmers (Holdings >2.5 Acres)	*Rs.525/HP/Year	50
	Corporate Farmers & IT Assesses		200
	* Equivalent flat rate tariff		

LT CATEGORY - V(B) - AGRICULTURAL

Out of Turn Allotment - Tatkal scheme : Energy Charge
with DSM measures 20paise/unit

Note:

1. Agricultural consumers are permitted to use 1 or 3 lamps of 5 watts each near the main switch as pilot lamp/s.
2. Supply to the L.T. Agricultural services will be suitably regulated as notified by Licensee from time to time.
3. Customer charges of Rs.20/- per month per service in terms of Part 'C' of the tariff shall be payable by all Agricultural Consumers.
4. The Farmers eligible for free supply under Dry Land as well as Wet Lands have to comply with the following Demand Side Management measures (DSM) as applicable for his pumping system viz., submersible and surface pump sets in the following stages failing which they shall not be eligible for free supply.

Stage - I to be complied with by 30-06-2006(as per GoAP letter dated 31-05-2006)

Friction less foot valve (exempted for submersible pumpset)

Capacitor of adequate rating for the pumpset

Stage - II to be complied by March 2008

HDPE or RPVC piping suction and/or delivery

ISI-marked monobloc or submersible pumpset

Farmers in dry land areas shall not be eligible for free supply if they grow Paddy in second crop.

All new connections shall be given only with DSM measures implemented and with meters.

L.T. CATEGORY-VI

Applicable for supply of energy for lighting on public roads, streets, thoroughfares including parks, markets, cart-stands, taxi stands, bridges and also for PWS schemes in the Local Bodies viz., Panchayats/ Municipalities/ Municipal Corporations. Metering is compulsory irrespective of tariff structure.

Rates:

A). Street Lighting:

For all units consumed

Minor Panchayats : 156 Paise per unit

Major Panchayats : 208 Paise per unit

Nagarpalikas & Municipalities Gr.3 : 274 Paise per unit

Municipalities Gr. 1 & 2 : 326 Paise per unit

Municipalities Selection / Spl. Gr. : 353 Paise per unit

Corporations : 379 Paise per unit

Minimum charges

Panchayats : Rs.2 per point per month

Municipalities/Corporations : Rs.6 per point per month

FSA will be extra as applicable

B). PWS Schemes:

Minor / Major Panchayats

Up to 2500 units/year : 20 paise per unit

Above 2500 units : 50 paise per unit

All Nagarpalikas & Municipalities

	Energy charges	Fixed charges
Upto 1000 Units	: 375 Paise/Unit	Rs. 20/HP/month of
Balance Units	: 405 Paise/Unit	contracted load subject to a minimum of Rs.100/-

Municipal Corporations:

Up to 1000 Units	: 405 Paise/Unit	Rs. 20/HP/month of
Balance Units	: 460Paise/Unit	contracted load subject to a minimum of Rs.100/-

FSA will be extra as applicable

Notes (Street Lighting):

- i). The cost of fittings shall be borne or paid for by the consumers. The responsibility for maintenance including renewals and replacements rests with the Local Bodies viz., Panchayats, Municipalities, Municipal Corporations.
- ii). Where the cost of fittings is borne by the Licensee, the first supply of filament lamps, fluorescent tubes, mercury vapour lamps including special type lamps along with their fittings will be made by the Licensee at its cost. In such cases consumer will have to pay fixed charges as in column(3) below. However, where the cost of fittings is borne by the consumer but maintenance is done by the Licensee, the consumer will have to pay fixed charges as in Column (4) below:

Sl. No	Fittings for	Fixed charges Per Month where the cost of fittings is borne by Licensee	Fixed charges per month where the cost of fittings is borne by the Local Body but maintenance by Licensee
(1)	(2)	(3)	(4)
		(Rs.)	(Rs.)
1.	Ordinary Filament Lamp	2.00	1.00
2.	Fluorescent Lamp 40 W Single Fixture	7.00	4.00
3	Fluorescent Lamp 40 W Double Fixture	8.00	4.00
4.	M.V. Lamps 80 W Fixture	12.00	6.00
5.	M.V. Lamps 125 W Fixture	15.00	8.00
6.	M.V. Lamps 250 W Fixture	45.00	23.00
7.	M.V. Lamps 400 W Fixture	50.00	25.00

iii). The replacement of filament lamps, fluorescent tubes, mercury vapour and other special type of lamps will be made by the Local Body at its cost. However, in Urban areas till such time the Municipalities and Corporations make their own arrangements for such replacements the Licensee may, if the consumer so desires, carry out the replacement provided the Local Body supplies the lamps and tubes. The consumer will in such cases be billed labour charges at the rate of Rs. 2 per replacement.

However, in Rural areas, such replacement of bulbs supplied by the Local Body will be made by the Licensee without collecting labour charges. For this purpose the area coming under Gram Panchayat shall constitute 'Rural Area'.

iv). Additional charges: Every local body shall pay an additional charge equivalent to any tax or fee levied by it under the provisions of any law including the Corporation Act, District Municipalities Act or Gram Panchayat Act on the poles, lines, transformers and other installations through which the local body receives supply.

L.T. CATEGORY-VII - GENERAL PURPOSE

Applicable for supply of energy to places of worship like Churches, Temples, Mosques, Gurudwaras, Crematoriums, Government Educational

Institutions and Student Hostels run by Government agencies, and Educational Institutions run by charitable Institutions (Public charitable trusts and societies registered under the Societies Registration Act running educational and medical institutions on a no profit basis), recognised service institutions and old age homes run by recognized service institutions.

Rates

For all the units consumed : 400 paise per unit
Minimum charges : Rs.50 per month for single phase supply
: Rs.150 per month for three phase supply

FSA will be extra as applicable

Note:

1. Licensee may introduce monthly billing for all consumers instead of bimonthly (once in two months).
2. For loads less than 5 KW, single phase supply only will be given.

L.T. CATEGORY-VIII - L.T. TEMPORARY SUPPLY

1. For temporary supply of energy to all categories other than Irrigation and Agriculture:

Rates

For all the units consumed : 620 paise per unit
Minimum charges : Rs.125 per KW or part thereof of contracted load for first 30 days or part thereof and Rs.75 per KW or part thereof of contracted load for every subsequent period of 15 days or part thereof

FSA will be extra as applicable

Temporary supply for Agriculture Purpose:

Rates

For all the units consumed : 230 paise per unit
Minimum charges : Rs.100 per HP of contracted load for the first 30 days or part thereof and Rs.50 per HP of contracted load for every subsequent period of 15 days or part thereof.

Conditions:**(i) Estimated cost of works and estimated energy charges.**

These charges shall be paid in advance by the consumer in accordance with the procedure prescribed in clause VI of part C along with any other charges payable as specified therein.

(ii) Regular consumers requiring temporary additional supply:

In cases where consumers availing regular supply of energy require additional supply for temporary period, the additional supply shall be given as a temporary service under a separate connection and charged as such in accordance with the procedure prescribed in clause VI of part C.

General conditions of L.T. Tariff

The foregoing L.T. Tariffs are subject to the following conditions.

1. Classification of Premises

The Licensee shall have the right to classify or re-classify the supply of energy to any premises under an appropriate category of L.T. Tariff.

2. The connected load of the consumer shall not exceed his contracted load except in case of LT category III(A) optional and III(B) and if the connected load of the consumer is found to be in excess of his contracted load, the provisions of General Terms and Conditions of supply separately notified shall be applied.

3. Additional Charges for belated payment of Bills:

(a). The C.C. bills shall be paid by the consumers within the due date mentioned in the bill, i.e. 15 days from date of the bill.

(b). If payment is made after due date, the consumers are liable to pay belated payment charges on the bill amount at the rate of Seven (7) Paise per One hundred rupees per day of delay calculated from due date mentioned in the bill up to the date of payment.

(c). If the C.C. bills amount is not paid within 15 days from the due date the power supply is liable for disconnection.

- (d). For re-connection of power supply after disconnection, the consumer has to pay reconnection fees plus belated payment charges calculated as per para (b) above.
4. Fuel Surcharge Adjustment (FSA) is applicable to all categories except agriculture. FSA is applicable as notified by the Commission from time to time as per the regulations made by the Commission in this behalf.
 5. The Tariffs are exclusive of Electricity duty payable as per the provisions of AP Electricity Duty Act.
 6. These rates are applicable in the areas of operation of 4 (four) Distribution Companies viz., Andhra Pradesh Eastern Power Distribution Company Limited (APEPDCL), Andhra Pradesh Central Power Distribution Company Limited (APCPDCL), Andhra Pradesh Northern Power Distribution Company Limited (APNPDCL) and Andhra Pradesh Southern Power Distribution Company Limited (APSPDCL) and 4 (four) Rural Electric Co-operatives viz., Anakapally, Chepurupally, Siricilla, Kuppam.

PART - 'C'

I. SERVICE CONNECTION CHARGES

- 1). In respect of the cases involving extension of distribution mains, the extension portion of the scheme will be executed by the Licensee adopting the standards prescribed by the Commission from time to time on payment of service line charges.
- 2). The service connection portion from the overhead mains situated outside the premises of the consumer shall be executed by the consumer as per the standards prescribed by the licensee from time to time. However, the meter and cutout shall be provided by the licensee.
- 3). Service connection wires for L.T. Category- V Irrigation and Agricultural purposes shall be laid collecting an amount of Rs.25/- per H.P. of contracted load towards service connection charges.

II. RECONNECTIONS

- (a) Low Tension Services.
 - i). Overhead Services : Rs. 50/-
 - ii). U.G. Services : Rs. 100/-
- (b) High Tension Services.
 - i). 11 kV : Rs. 300/-
 - ii). 33 kV : Rs. 500/-
 - iii). 132/220 kV : Rs. 1000/-

III. TESTING

	L.T	H.T
(a) Installations:		
(i) The first test and inspection of a new installation or of an extension to an existing installation.	Nil	Nil
ii) Charges payable by the consumer in advance for each subsequent test and/or inspection if found necessary owing to any fault in the installation or to non-compliance of the conditions of supply.	Rs.20/-	Rs.200/-

(b) Meters:

i). A.C. Single Phase Energy meter	:	Rs.10/-	--
ii). A.C. Three Phase Energy meter	:	Rs.30/-	--
iii). Demand or special type meter	:	Rs.150/-	Rs.500/-

(c) Transformer Oils:

i). First sample of oil	:	Rs.150/- per sample
ii). Additional sample of oil of the same equipment received at the same time	:	Rs.100/- per sample

IV. SERVICE CALLS

a) Charges for attendance of Fuseman for Low Tension Consumers

i). Replacing of Licensee's cut out fuses	:	Nil
ii). Replacing of consumer's fuses	:	Rs.3/-

b) Charges for attendance of Fuseman/ Wireman at the consumer's premises during any function or temporary illumination provided a Fuseman/Wireman can be spared for such work : Rs.100/- for each day or part thereof

c) Charges for Infructuous visit of Licensee employees to the consumer's premises. : Rs.25/- for each visit when there is no defect in Licensee's equipment.

V. MISCELLANEOUS CHARGES

a) Application Registration Fees

i) For LT Agricultural & Domestic	:	Rs.25/-
ii) For all other LT Categories	:	Rs.50/-
iii) For all HT Categories	:	Rs.100/-

b) Revision of estimates : Rs.10/-

c) Fee for rerating of consumer's installation at the request of the consumer. : Rs. 20/-

This does not include the additional charges payable by the consumer for increasing his connected load in excess of the contracted load, as provided in General Terms and conditions of supply.

(d) Resealing of

i) L.T. Meter Cut outs in the consumer's premises	:	Rs.5/-
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ii) M.D. Indicator meters and other apparatus in the consumer's premises : Rs.100/-

(The aforesaid charges do not include the additional charges payable by the consumer for breaking the seals)

	L.T	H.T
(e) For changing meter only at the request of the consumer (where it is not necessitated by increase in demand permanently)	Rs.25/-	Rs.100/-
(f) For changing or moving a meter board	: Actual cost of material and labour plus 25% supervision charges on cost of materials and labour.	
(g) Customer charges		
For all LT Categories inclusive of Agricultural services	: Rs.20/- per month*	
* Domestic Consumer in the first slab	: Rs.15/- per month	
H.T. Categories		
a) 66 kV and below	: Rs.750/- per month	
b) 132/220 kV	: Rs.1500/- per month	
(h) Urgency charges for temporary supply at short notice	: Rs. 100/-	
(i) Special rates chargeable for Theft / pilferage, and unauthorized use of electricity	: As per the General Terms & Conditions of Supply (GTCS) approved by the Commission from time to time.	
(j) Supervision / Inspection & checking charges		
i) For LT Agricultural and Domestic	: Rs. 50/-	
ii) For all other LT categories	: Rs. 150/-	
iii) For HT Services	: Rs.300/-	

VI. TEMPORARY SUPPLY

(1) Requests for temporary supply of energy cannot normally be considered unless there is a clear notice of at least one week in the case of domestic and three months in case of other types of supply. If supply is required at a short notice, in addition to the charges mentioned below, an urgency charge, as specified in clause V(h) above.

(2) Estimated cost of the works means the cost of works for making necessary arrangements for supplying energy including the cost of distribution lines, switchgear, metering equipment, etc., as may be worked out on the basis of standards and norms prescribed by the Licensee, from time to time plus cost of dismantling the lines and other works when the supply is no more required less the cost of retrievable material.

(3) (a) Estimated cost of the works as mentioned in para (2) above shall be paid by the consumer in advance. After the works are dismantled and retrievable materials returned to stores, a bill for the actual amount payable by the consumer shall be prepared and the difference would be collected from or refunded to the consumer, as the case may be.

(b) In addition to the aforesaid charges payable by consumers availing temporary supply, they shall pay hire charges at 2% on cost of retrievable material per month or part thereof, for the duration of temporary supply. These charges will be claimed along with the consumption bills.

(4) (a) The consumer requiring supply on temporary basis shall be required to deposit in advance, in addition to the estimated cost of works mentioned in 3(a), the estimated consumption charges at the rate stipulated in Tariff Order for Temporary supply, and worked out on the basis for use of electricity by the consumer for 6 hours per day for a period of 2 months in case the supply is required for more than 10 days. If the period of temporary supply is for 10 days or less, the advance consumption charges for the actual period requisitioned shall be paid.

(b) The Bill for electricity consumed in any month shall be prepared at the tariff applicable plus hire charges as mentioned in 3(b) above. The consumers have to pay monthly CC charges regularly during the period of availing temporary supply and the estimated energy consumption deposit shall be adjusted with the last month consumption and the balance if any shall be refunded.

(c) In the case of consumers requiring temporary supply for the purposes of Cinema, the estimated energy charges for a minimum period of 3 months shall have to be deposited by the consumer subject to the condition that the consumer shall pay every month energy and other miscellaneous charges for

the preceding month and the amount deposited by him in advance shall be adjusted with the last month consumption and the balance amount shall be refunded.

(d) In the event of estimated energy charges deposited by the consumer having been found insufficient, the consumer shall deposit such additional amount, as may be demanded by the Licensee failing which the Licensee may discontinue the supply of electricity.

VII MISCELLANEOUS WORKS

The charges for any work which the Licensee may be required to undertake for the consumer and which is not included in the foregoing schedule, shall be the actual cost of labour and material plus 25% on cost of labour and material to cover overhead charges. The aforesaid charges shall be paid by the consumer in advance.

PART `D`

POWER FACTOR APPARATUS AND CAPACITOR SURCHARGE

(1). Every H.T. Agricultural Consumer and every LT consumer using induction motors and/or welding transformers shall install L.T. Shunt capacitors of the rating specified by the Licensees in the General Terms and Conditions of supply approved by the Commission from time to time. In case the rated capacity of the induction motor or welding transformer falls in between the steps of the stipulated ratings, the capacitors suitable for the next higher step shall be installed by the consumer.

(2). New connections under HT Category IV(A),(B), LT Category III(A),(B), LT Category IV and LT Category V shall not be given unless the capacitors of required ratings are installed.

(3). The failure on the part of the consumer to comply with the above requirement, shall be treated as violation of terms and conditions of the supply and the Licensee can terminate the contract and collect the sum equivalent to the minimum charges for the balance initial period of agreement, apart from disconnection of supply as provided in the Terms & Conditions of Supply.

(4). In the case of consumers not covered by Low Power Factor (LPF) surcharge as per note VII and VIII under LT category III(A) and note LT category III(B), if during inspection, no capacitor is found, or the capacitors already installed are found to be damaged or having defect or ceased to function, such consumer shall be liable to pay surcharge @ 25% of the monthly bill amount, as per the terms and conditions of supply notified by the licensee.

(5). The LT category III(A) consumers who are provided with metering capable of measuring active and reactive power under the orders of the Commission, shall be required to pay low power factor surcharge as per the rates applicable for HT consumers for the power factor obtaining during the month subject to the ceiling of the level of capacitor surcharge mentioned in item 4 herein.

(6). Low Power factor surcharge is to be levied for the consumers falling under LT Category III(A)(ii) - Industrial (Optional) and LT III (B) Industrial categories as applicable to HT consumers.

ANNEXURE - E (i)
STATION-WISE AND MONTH-WISE AVAILABILITY OF ENERGY
(Reference Paragraph 226 of the order)

Energy Availability - As filed

FY 2007-08	Variable Cost (Rs. / kWh)	Energy Availability (MUs)												
		April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total
APGENCO														
VTPS I	1.26	260.71	269.40	260.71	269.40	204.22	260.71	269.40	260.71	204.22	269.40	252.01	269.40	3050.29
VTPS II	1.26	260.71	269.40	260.71	269.40	204.22	260.71	173.80	204.22	269.40	269.40	252.01	269.40	2963.39
VTPS III	1.26	260.71	269.40	260.71	204.22	269.40	160.35	267.67	210.71	269.40	269.40	252.01	269.40	2963.39
RTPP I	1.63	259.99	268.66	259.99	203.66	203.66	259.99	264.32	259.99	268.66	268.66	251.32	268.66	3037.55
KTPS A	1.00	148.24	153.18	148.24	153.18	116.13	148.24	134.66	111.18	153.18	153.18	143.29	153.18	1715.88
KTPS B	1.00	148.24	153.18	148.24	153.18	153.18	74.12	116.13	148.24	150.71	153.18	143.29	153.18	1694.88
KTPS C	1.00	148.24	153.18	148.24	116.13	116.13	148.24	153.18	148.24	153.18	153.18	143.29	153.18	1734.41
KTPS D	1.01	309.51	319.83	309.51	319.83	159.91	226.97	319.83	314.67	314.67	319.83	299.19	319.83	3533.57
RTS B	1.21	38.90	40.20	38.93	40.78	38.90	19.46	40.20	38.90	40.20	40.20	37.61	40.20	454.50
NTS	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RTPP Stage-II	1.47	81.65	196.86	190.31	112.49	224.98	217.72	224.98	217.72	224.98	224.98	203.22	224.98	2344.87
Less: Auxillary Consumption	-													
TOTAL THERMAL	-	1916.88	2093.31	2025.57	1842.28	1690.74	1776.50	1964.18	1914.57	2048.62	2121.43	1977.24	2121.43	23492.72
	-													0.00
MACHKUND PH AP Share	-	30.69	29.70	24.35	28.91	28.02	32.57	32.57	20.69	28.02	28.02	27.13	26.24	336.90
TUNGBHADRA PH AP Share	-	1.78	0.00	0.00	8.12	20.79	16.24	22.13	8.56	10.89	11.78	8.12	7.23	115.63
USL	-	33.46	27.13	26.24	36.14	51.41	45.96	58.19	32.20	47.74	54.08	55.86	58.63	527.04
LSR	-	83.16	70.49	65.04	76.82	108.16	83.16	143.15	47.38	131.38	142.17	142.17	128.06	1221.14
DONKARAYI	-	6.34	4.55	4.55	5.45	7.23	8.12	7.23	8.12	9.90	9.90	9.01	9.90	90.29
SSLM	-	47.92	15.35	16.24	99.40	398.29	384.04	285.07	0.00	50.00	168.98	126.51	281.99	1873.78
NSPH	-	89.50	39.80	101.57	149.09	382.84	431.06	354.49	0.00	109.40	101.51	201.06	81.97	2042.29
NSRCPH	-	1.78	0.00	0.00	0.89	20.70	30.60	36.05	36.94	29.71	21.60	14.37	10.80	203.45
NSLCPH	-	0.00	0.00	0.00	0.00	12.59	18.03	21.60	20.70	17.14	12.59	8.03	6.25	116.92

FY 2007-08		Energy Availability (MUs)												
Generating Station	Variable Cost (Rs. / kWh)	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total
POCHAMPAD PH	-	0.89	0.00	0.00	1.78	11.78	13.56	15.35	13.56	9.90	8.12	6.34	4.55	85.83
NIZAMSAGAR PH	-	0.89	0.00	0.00	0.00	0.89	0.89	2.67	0.89	0.89	0.00	1.78	0.89	9.80
PABM	-	0.00	0.00	0.00	0.00	1.78	1.78	1.78	1.78	1.78	0.89	0.00	0.00	9.80
MINI HYDRO&OTHERS	-	0.89	0.50	0.89	1.39	2.28	3.17	3.17	2.67	2.28	1.39	0.89	0.50	20.00
SINGUR	-	0.00	0.00	0.00	0.89	0.89	1.78	1.78	0.00	0.00	0.89	0.89	0.89	8.02
SSLM LCPH	1.06	72.27	22.57	25.34	149.09	446.49	252.55	68.81	0.00	0.00	145.53	159.09	453.82	1795.56
	-													
Less: Auxillary Consumption/Colon y Cons	-													
	-													
TOTAL HYDRO	-	369.57	210.08	264.23	557.96	1494.13	1323.51	1054.03	193.50	449.03	707.44	761.25	1071.72	8456.45
TOTAL APGENCO	-	2286.45	2303.38	2289.80	2400.24	3184.87	3100.01	3018.21	2108.07	2497.64	2828.87	2738.49	3193.14	31949.17
	-													
Central Generating Stations (SR)	-	892.65	926.42	829.89	990.25	1053.32	1010.43	1028.56	965.83	947.09	1007.47	928.41	1084.47	11664.77
NTPC (SR)	0.97	400.00	410.00	392.00	400.00	400.00	400.00	400.00	387.00	410.00	430.00	385.00	430.00	4844.00
NTPC (SR) Stage III	1.09	96.00	110.00	13.00	110.00	110.00	96.00	110.00	98.00	103.00	103.00	97.00	110.00	1156.00
Total NTPC(SR)	-	496.00	520.00	405.00	510.00	510.00	496.00	510.00	485.00	513.00	533.00	482.00	540.00	6000.00
	-													
NLC TS-II	-													
Stage-I	1.14	33.66	51.44	51.56	55.19	56.30	52.12	47.38	45.41	50.09	58.52	55.13	58.52	615.32
Stage-II	1.14	59.67	91.20	91.42	97.86	99.82	92.40	84.00	80.51	88.80	103.75	97.75	103.75	1090.93
Total NLC	-	93.33	142.64	142.98	153.05	156.12	144.52	131.38	125.92	138.89	162.27	152.88	162.27	1706.25
	-													
NPC-MAPS	1.82	15.32	15.78	15.32	15.78	15.78	15.32	15.78	15.32	15.78	15.78	14.76	15.78	186.52
Total NPC-MAPS	-	15.32	15.78	15.32	15.78	15.78	15.32	15.78	15.32	15.78	15.78	14.76	15.78	186.52
	-													
Talcher - Stage 2	0.64	288.00	248.00	212.00	255.00	315.00	300.00	315.00	285.00	223.00	240.00	226.00	310.00	3217.00
	-													
Total Talcher Stage 2	-	288.00	248.00	212.00	255.00	315.00	300.00	315.00	285.00	223.00	240.00	226.00	310.00	3217.00

FY 2007-08		Energy Availability (MUs)												
Generating Station	Variable Cost (Rs. / kWh)	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total
	-													
Total NTPC(ER)	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Farakka	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kahalgaoon	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Talcher - Stage 1	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kiaga	3.30	0.00	0.00	54.59	56.41	56.41	54.59	56.40	54.59	56.41	56.41	52.77	56.41	555.00
NTPC- Simhadri	0.92	655.00	683.00	661.00	325.00	490.00	556.00	680.00	661.00	683.00	683.00	639.00	683.00	7399.00
	-													
APGPCL	-	29.02	29.99	29.02	29.99	29.99	29.02	29.99	29.02	29.98	18.25	28.06	29.99	342.33
APGPCL I - Allocated capacity	1.12	4.94	5.10	4.94	5.10	5.10	4.94	5.10	4.94	5.09	7.20	4.77	5.10	62.31
APGPCL I - Unutilised capacity	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APGPCL II - Allocated capacity	1.23	24.09	24.89	24.09	24.89	24.89	24.09	24.89	24.09	24.89	11.05	23.28	24.89	280.03
APGPCL II - Unutilised capacity	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-													
IPPS	-	389.69	404.95	405.55	428.26	436.48	413.86	437.87	424.17	438.46	430.64	384.61	428.48	5023.03
GVK	1.19	96.56	100.14	90.30	100.14	100.14	87.62	100.14	96.56	99.24	99.24	90.30	100.14	1160.53
Spectrum	1.13	83.78	84.76	82.05	86.77	87.01	84.95	88.40	86.32	89.88	90.05	82.67	86.99	1033.63
Kondapalli (Gas)	1.29	128.91	136.94	152.75	158.23	166.21	160.85	166.21	160.85	166.21	158.23	133.89	158.23	1847.53
BSES	1.15	80.44	83.12	80.44	83.12	83.12	80.44	83.12	80.44	83.12	83.12	77.75	83.12	981.35
GVK Extension	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vemagiri	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gautami	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Konaseema	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	-													
OTHERS	-	597.20	251.91	337.50	293.01	212.14	219.16	211.62	218.39	211.62	372.08	467.62	460.97	3853.21
Bi-lateral Purchases(PTC etc.)	6.35	385.06	46.26	125.36	87.36	0.00	0.00	0.00	0.00	0.00	136.64	232.18	247.94	1260.79
Other Short Term Sources	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

FY 2007-08	Generating Station	Variable Cost (Rs. / kWh)	Energy Availability (MUs)											Total	
			April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.		March
	Srivathsa	1.39	10.56	10.56	10.56	10.56	10.56	8.93	8.16	8.16	8.16	8.16	8.16	7.68	110.21
	LVS	5.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NCE - Bio-Mass	2.89	104.40	101.03	104.40	101.03	104.40	104.40	101.03	104.40	101.03	107.65	107.65	97.23	1238.65
	NCE - Bagasse	2.72	59.69	57.76	59.69	57.76	59.69	59.69	57.76	59.69	57.76	67.88	67.88	61.31	726.56
	NCE - Municipal Waste to Energy	3.70	5.97	5.78	5.97	5.78	5.97	5.97	5.78	5.97	5.78	5.97	5.97	5.39	70.30
	NCE - Industrial Waste based power project	3.00	9.75	9.43	9.75	9.43	9.75	9.75	9.43	9.75	9.43	14.98	14.98	13.53	129.96
	NCE - Wind Power	2.87	6.91	6.69	6.91	6.69	6.91	12.21	11.82	12.21	11.82	12.21	12.21	11.03	117.62
	NCE - Mini Hydrel	2.28	13.14	12.74	13.14	12.74	13.14	16.49	15.98	16.49	15.98	16.87	16.87	15.31	178.89
	NCE - NCL Energy Ltd	1.80	1.72	1.66	1.72	1.66	1.72	1.72	1.66	1.72	1.66	1.72	1.72	1.55	20.23
		-													
	Total	-	4850.01	4599.66	4552.76	4466.74	5406.80	5328.49	5406.25	4406.49	4807.79	5340.31	5186.19	5880.05	60231.52

ANNEXURE - E (ii)

STATION-WISE AND MONTH-WISE AVAILABILITY OF ENERGY

(Reference Paragraph 226 of the order)

Energy Availability - APERC

Generating Station	Variable Cost (Rs. / kWh)	April	May	June	July	August	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total
APGENCO														
VTPS I	1.26	260.71	269.40	260.71	269.40	204.22	260.71	269.40	260.71	204.22	269.40	252.01	269.40	3,050.29
VTPS II	1.26	268.94	277.90	268.94	277.90	210.67	268.94	210.67	268.94	277.90	277.90	259.97	277.90	3,146.59
VTPS III	1.26	260.71	269.40	260.71	204.22	269.40	160.35	267.67	210.71	269.40	269.40	252.01	269.40	2,963.39
RTPP I	1.63	268.20	277.14	268.20	210.09	210.09	268.20	277.14	268.20	277.14	277.14	259.26	277.14	3,137.92
KTPS A	1.00	148.24	153.18	148.24	153.18	116.13	148.24	134.66	111.18	153.18	153.18	143.29	153.18	1,715.88
KTPS B	1.00	148.24	153.18	148.24	153.18	153.18	74.12	116.13	148.24	150.71	153.18	143.29	153.18	1,694.88
KTPS C	1.00	148.24	153.18	148.24	116.13	116.13	148.24	153.18	148.24	153.18	153.18	143.29	153.18	1,734.41
KTPS D	1.01	319.28	329.93	319.28	329.93	164.96	218.18	329.93	319.28	329.93	329.93	308.64	329.93	3,629.19
RTS B	1.21	38.90	40.20	38.93	40.78	38.90	19.46	40.20	38.90	40.20	40.20	37.61	40.20	454.50
NTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RTPP Stage-II	1.47	187.74	221.71	241.38	277.14	277.14	268.20	277.14	268.20	187.74	277.14	259.26	277.14	3,019.92
Less: Auxillary Consumption	-													
TOTAL THERMAL	-	2,049.19	2,145.24	2,102.85	2,031.96	1,760.82	1,834.62	2,076.12	2,042.59	2,043.62	2,200.67	2,058.63	2,200.67	24,546.97
	-													-
MACHKUND PH AP Share	-	30.69	29.70	24.35	28.91	28.02	32.57	32.57	20.69	28.02	28.02	27.13	26.24	336.90
TUNGBHADRA PH AP Share	-	1.78	-	-	8.12	20.79	16.24	22.13	8.56	10.89	11.78	8.12	7.23	115.63
USL	-	33.46	27.13	26.24	36.14	51.41	45.96	58.19	32.20	47.74	54.08	55.86	58.63	527.04
LSR	-	83.16	70.49	65.04	76.82	108.16	83.16	143.15	47.38	131.38	142.17	142.17	128.06	1,221.14
DONKARAYI	-	6.34	4.55	4.55	5.45	7.23	8.12	7.23	8.12	9.90	9.90	9.01	9.90	90.29
SSLM	-													

Generating Station	Variable Cost (Rs. / kWh)	April	May	June	July	August	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total
		47.92	15.35	16.24	99.40	398.29	384.04	285.07		50.00	168.98	126.51	281.99	1,873.78
NSPH	-	89.50	39.80	101.57	149.09	382.84	431.06	354.49	-	109.40	101.51	201.06	81.97	2,042.29
NSRCPH	-	1.78	-	-	0.89	20.70	30.60	36.05	36.94	29.71	21.60	14.37	10.80	203.45
NSLCPH	-	-	-	-	-	12.59	18.03	21.60	20.70	17.14	12.59	8.03	6.25	116.92
POCHAMPAD PH	-	0.89	-	-	1.78	11.78	13.56	15.35	13.56	9.90	8.12	6.34	4.55	85.83
NIZAMSAGAR PH	-	0.89	-	-	-	0.89	0.89	2.67	0.89	0.89	-	1.78	0.89	9.80
PABM	-	-	-	-	-	1.78	1.78	1.78	1.78	1.78	0.89	-	-	9.80
MINI HYDRO&OTHERS	-	0.89	0.50	0.89	1.39	2.28	3.17	3.17	2.67	2.28	1.39	0.89	0.50	20.00
SINGUR	-	-	-	-	0.89	0.89	1.78	1.78	-	-	0.89	0.89	0.89	8.02
SSLM LCPH	1.06	72.27	22.57	25.34	149.09	446.49	252.55	68.81	-	-	145.53	159.09	453.82	1,795.56
Jurala	-	-	-	4.00	14.00	28.00	28.00	28.00	15.00	6.36	5.85	4.96	1.50	135.67
Less: Auxillary Consumption/Colony Cons	-													
	-													
TOTAL HYDRO	-	369.57	210.08	268.23	571.96	1,522.13	1,351.51	1,082.03	208.50	455.39	713.29	766.20	1,073.22	8,592.12
TOTAL APGENCO	-	2,418.75	2,355.32	2,371.08	2,603.92	3,282.96	3,186.13	3,158.15	2,251.09	2,499.00	2,913.96	2,824.84	3,273.88	33,139.08
	-													
Central Generating Stations (SR)	-	892.65	926.42	829.89	990.25	1,053.32	1,010.43	1,028.56	965.83	947.09	1,007.47	928.41	1,084.47	11,664.77
NTPC (SR)	0.97	400.00	410.00	392.00	400.00	400.00	400.00	400.00	387.00	410.00	430.00	385.00	430.00	4,844.00
NTPC (SR) Stage III	1.09	96.00	110.00	13.00	110.00	110.00	96.00	110.00	98.00	103.00	103.00	97.00	110.00	1,156.00
Total NTPC(SR)	-	496.00	520.00	405.00	510.00	510.00	496.00	510.00	485.00	513.00	533.00	482.00	540.00	6,000.00
	-													
NLC TS-II	-													
Stage-I	1.14	33.66	51.44	51.56	55.19	56.30	52.12	47.38	45.41	50.09	58.52	55.13	58.52	615.32
Stage-II	1.14	59.67	91.20	91.42	97.86	99.82	92.40	84.00	80.51	88.80	103.75	97.75	103.75	1,090.93
Total NLC	-	93.33	142.64	142.98	153.05	156.12	144.52	131.38	125.92	138.89	162.27	152.88	162.27	1,706.25

Generating Station	Variable Cost (Rs. / kWh)	April	May	June	July	August	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total
	-													
NPC-MAPS	1.82	15.32	15.78	15.32	15.78	15.78	15.32	15.78	15.32	15.78	15.78	14.76	15.78	186.52
Total NPC-MAPS	-	15.32	15.78	15.32	15.78	15.78	15.32	15.78	15.32	15.78	15.78	14.76	15.78	186.52
	-													
Talcher - Stage 2	0.64	288.00	248.00	212.00	255.00	315.00	300.00	315.00	285.00	223.00	240.00	226.00	310.00	3,217.00
	-													
Total Talcher Stage 2	-	288.00	248.00	212.00	255.00	315.00	300.00	315.00	285.00	223.00	240.00	226.00	310.00	3,217.00
	-													
Total NTPC(ER)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Farakka	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kahalgaon	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Talcher - Stage 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kiaga	3.30	-	-	54.59	56.41	56.41	54.59	56.40	54.59	56.41	56.41	52.77	56.41	555.00
NTPC- Simhadri	0.92	656.00	683.00	661.00	325.00	490.00	556.00	680.00	661.00	683.00	683.00	639.00	683.00	7,400.00
	-													
APGPCL	-	29.02	29.99	29.02	29.99	29.99	29.02	29.99	29.02	29.98	18.25	28.06	29.99	342.33
APGPCL I - Allocated capacity	1.12	4.94	5.10	4.94	5.10	5.10	4.94	5.10	4.94	5.09	7.20	4.77	5.10	62.31
APGPCL I - Unutilised capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-
APGPCL II - Allocated capacity	1.23	24.09	24.89	24.09	24.89	24.89	24.09	24.89	24.09	24.89	11.05	23.28	24.89	280.03
APGPCL II - Unutilised capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-													
IPPS	-	389.69	404.95	405.55	428.26	436.48	413.86	437.87	424.17	438.46	430.64	384.61	428.48	5,023.03
GVK	1.19	96.56	100.14	90.30	100.14	100.14	87.62	100.14	96.56	99.24	99.24	90.30	100.14	1,160.53
Spectrum	1.13	83.78	84.76	82.05	86.77	87.01	84.95	88.40	86.32	89.88	90.05	82.67	86.99	1,033.63
Kondapalli (Gas)	1.29	128.91	136.94	152.75	158.23	166.21	160.85	166.21	160.85	166.21	158.23	133.89	158.23	1,847.53
BSES	1.15	80.44	83.12	80.44	83.12	83.12	80.44	83.12	80.44	83.12	83.12	77.75	83.12	981.35

Generating Station	Variable Cost (Rs. / kWh)	April	May	June	July	August	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total
GVK Extension	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vemagiri	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gautami	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Konaseema	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-													
OTHERS	-	212.14	205.65	212.14	205.65	212.14	219.16	211.62	218.39	211.62	235.44	254.87	213.03	2,611.85
Bi-lateral Purchases(PTC etc.)	6.35	-	-	-	-	-	-	-	-	-	-	19.43	-	19.43
Other Short Term Sources	1.76	-	-	-	-	-	-	-	-	-	-	-	-	-
Srivathsa	1.39	10.56	10.56	10.56	10.56	10.56	8.93	8.16	8.16	8.16	8.16	8.16	7.68	110.21
LVS	5.07	-	-	-	-	-	-	-	-	-	-	-	-	-
NCE - Bio-Mass	2.89	104.40	101.03	104.40	101.03	104.40	104.40	101.03	104.40	101.03	107.65	107.65	97.23	1,238.65
NCE - Bagasse	2.72	59.69	57.76	59.69	57.76	59.69	59.69	57.76	59.69	57.76	67.88	67.88	61.31	726.56
NCE - Municipal Waste to Energy	3.70	5.97	5.78	5.97	5.78	5.97	5.97	5.78	5.97	5.78	5.97	5.97	5.39	70.30
NCE - Industrial Waste based power project	3.00	9.75	9.43	9.75	9.43	9.75	9.75	9.43	9.75	9.43	14.98	14.98	13.53	129.96
NCE - Wind Power	2.87	6.91	6.69	6.91	6.69	6.91	12.21	11.82	12.21	11.82	12.21	12.21	11.03	117.62
NCE - Mini Hydel	2.28	13.14	12.74	13.14	12.74	13.14	16.49	15.98	16.49	15.98	16.87	16.87	15.31	178.89
NCE - NCL Energy Ltd	1.80	1.72	1.66	1.72	1.66	1.72	1.72	1.66	1.72	1.66	1.72	1.72	1.55	20.23
	-													
Total	-	4,598.26	4,605.34	4,508.68	4,583.06	5,504.88	5,414.61	5,546.19	4,549.51	4,809.15	5,288.76	5,059.79	5,712.85	60,181.07

ANNEXURE - E(iii)

STATION-WISE AND MONTH-WISE DESPATCH OF ENERGY

(Reference Paragraph 232 of the order)

Energy Despach

Station Name	Energy Despach (in MUs) for FY 2007-08													Total 2007-08
	Rs/kWh	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	
NCE - NCL Energy Ltd	1.8000	1.72	1.66	1.72	1.66	1.72	1.72	1.66	1.72	1.66	1.72	1.72	1.55	20.23
NPC-MAPS	1.8211	15.32	15.78	15.32	15.78	15.78	15.32	15.78	15.32	15.78	15.78	14.76	15.78	186.52
NCE - Mini Hydel	2.2800	13.14	12.74	13.14	12.74	13.14	16.49	15.98	16.49	15.98	16.87	16.87	15.31	178.89
NCE - Bagasse	2.7200	59.69	57.76	59.69	57.76	59.69	59.69	57.76	59.69	57.76	67.88	67.88	61.31	726.56
NCE - Wind Power	2.8700	6.91	6.69	6.91	6.69	6.91	12.21	11.82	12.21	11.82	12.21	12.21	11.03	117.62
NCE - Bio-Mass	2.8900	104.40	101.03	104.40	101.03	104.40	104.40	101.03	104.40	101.03	107.65	107.65	97.23	1238.65
NCE - Industrial Waste based power project	3.0000	9.75	9.43	9.75	9.43	9.75	9.75	9.43	9.75	9.43	14.98	14.98	13.53	129.96
NPC-Kaiga	3.3000	0.00	0.00	54.59	56.41	56.41	54.59	56.40	54.59	56.41	56.41	52.77	56.41	555.00
NCE - Municipal Waste to Energy	3.7000	5.97	5.78	5.97	5.78	5.97	5.97	5.78	5.97	5.78	5.97	5.97	5.39	70.30
Up to this are must run stations' Mus :		216.90	210.87	271.49	267.29	273.78	280.14	275.64	280.14	275.66	299.48	294.81	277.55	3223.73
MACHKUND PH AP Share	-	30.69	29.70	24.35	28.91	28.02	32.57	32.57	20.69	28.02	28.02	27.13	26.24	336.90
TUNGBHADRA PH AP Share	-	1.78	0.00	0.00	8.12	20.79	16.24	22.13	8.56	10.89	11.78	8.12	7.23	115.63
USL	-	33.46	27.13	26.24	36.14	51.41	45.96	58.19	32.20	47.74	54.08	55.86	58.63	527.04
LSR	-	83.16	70.49	65.04	76.82	108.16	83.16	143.15	47.38	131.38	142.17	142.17	128.06	1221.14
DONKARAYI	-	6.34	4.55	4.55	5.45	7.23	8.12	7.23	8.12	9.90	9.90	9.01	9.90	90.29
SSLM	-	47.92	15.35	16.24	99.40	398.29	384.04	285.07	0.00	50.00	168.98	126.51	281.99	1873.78
NSPH	-	89.50	39.80	101.57	149.09	382.84	431.06	354.49	0.00	109.40	101.51	201.06	81.97	2042.29
NSRCPH	-	1.78	0.00	0.00	0.89	20.70	30.60	36.05	36.94	29.71	21.60	14.37	10.80	203.45
NSLCPH	-	0.00	0.00	0.00	0.00	12.59	18.03	21.60	20.70	17.14	12.59	8.03	6.25	116.92
POCHAMPAD PH	-	0.89	0.00	0.00	1.78	11.78	13.56	15.35	13.56	9.90	8.12	6.34	4.55	85.83
NIZAMSAGAR PH	-	0.89	0.00	0.00	0.00	0.89	0.89	2.67	0.89	0.89	0.00	1.78	0.89	9.80
PABM	-	0.00	0.00	0.00	0.00	1.78	1.78	1.78	1.78	1.78	0.89	0.00	0.00	9.80
MINI HYDRO&OTHERS	-	0.89	0.50	0.89	1.39	2.28	3.17	3.17	2.67	2.28	1.39	0.89	0.50	20.00
SINGUR	-	0.00	0.00	0.00	0.89	0.89	1.78	1.78	0.00	0.00	0.89	0.89	0.89	8.02
Jurala	-	0.00	0.00	4.00	14.00	28.00	28.00	28.00	15.00	6.36	5.85	4.96	1.50	135.67
Talcher - Stage 2	0.6389	288.00	248.00	212.00	255.00	315.00	300.00	315.00	285.00	223.00	240.00	226.00	310.00	3217.00
NTPC- Simhadri	0.9215	656.00	683.00	661.00	325.00	490.00	556.00	680.00	661.00	683.00	683.00	639.00	683.00	7400.00

Station Name	Rs/kWh	Energy Despatch (in MUs) for FY 2007-08											Total 2007-08	
		Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08		Mar-08
NTPC (SR)	0.9724	400.00	410.00	392.00	400.00	400.00	400.00	400.00	387.00	410.00	430.00	385.00	430.00	4844.00
KTPS A	0.9953	148.24	153.18	148.24	153.18	116.13	148.24	134.66	111.18	153.18	153.18	143.29	153.18	1715.88
KTPS B	0.9953	148.24	153.18	148.24	153.18	153.18	74.12	116.13	148.24	150.71	153.18	143.29	153.18	1694.88
KTPS C	0.9953	148.24	153.18	148.24	116.13	116.13	148.24	153.18	148.24	153.18	153.18	143.29	153.18	1734.41
KTPS D	1.0118	319.28	329.93	319.28	329.93	164.96	218.18	329.93	319.28	329.93	329.93	308.64	329.93	3629.19
SSLM LCPH	1.0593	72.27	22.57	25.34	149.09	446.49	252.55	68.81	0.00	0.00	145.53	159.09	453.82	1795.56
NTPC (SR) Stage III	1.0920	96.00	110.00	13.00	110.00	110.00	96.00	110.00	98.00	103.00	103.00	97.00	110.00	1156.00
APGPCL I - Allocated capacity	1.1200	4.94	5.10	4.94	5.10	5.10	4.94	5.10	4.94	5.09	7.20	4.77	5.10	62.31
Spectrum	1.1310	83.78	84.76	82.05	86.77	87.01	84.95	88.40	86.32	89.88	90.05	82.67	86.99	1033.63
NLC Stage-I	1.1408	33.66	51.44	51.56	55.19	56.30	52.12	47.38	45.41	50.09	58.52	55.13	58.52	615.32
NLC Stage-II	1.1408	59.67	91.20	91.42	97.86	99.82	92.40	84.00	80.51	88.80	103.75	97.75	103.75	1090.93
BSES	1.1463	80.44	83.12	80.44	83.12	83.12	80.44	83.12	80.44	83.12	83.12	77.75	83.12	981.35
GVK	1.1883	96.56	100.14	90.30	100.14	100.14	87.62	100.14	96.56	99.24	99.24	90.30	100.14	1160.53
RTS B	1.2089	38.90	40.20	38.93	40.78	38.90	19.46	40.20	38.90	40.20	40.20	37.61	40.20	454.50
APGPCL II - Allocated capacity	1.2300	24.09	24.89	24.09	24.89	24.89	24.09	24.89	24.09	24.89	11.05	23.28	24.89	280.03
VTPS I	1.2583	260.71	269.40	260.71	269.40	204.22	260.71	269.40	260.71	204.22	269.40	252.01	269.40	3050.29
VTPS II	1.2583	268.94	277.90	268.94	277.90	210.67	268.94	210.67	268.94	277.90	277.90	259.97	277.90	3146.59
VTPS III	1.2583	260.71	269.40	260.71	204.22	214.98	74.21	65.63	210.71	269.40	269.40	252.01	269.40	2620.78
Kondapalli (Gas)	1.2888	128.91	136.94	152.75	158.23	0.00	0.00	0.00	160.85	166.21	158.23	133.89	158.23	1354.24
Srivathsa	1.3887	10.56	10.56	10.56	10.56	0.00	0.00	0.00	8.16	8.16	8.16	8.16	7.68	82.56
RTPP Stage-II	1.4700	187.74	206.91	241.38	233.54	0.00	0.00	0.00	268.20	187.74	277.14	259.26	164.06	2025.96
RTPP I	1.6296	217.48	0.00	239.81	0.00	0.00	0.00	0.00	0.12	9.69	55.11	259.26	0.00	781.47
LVS	5.0700	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bilateral, Traders, UI and Market	6.3500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.43	0.00	19.43
and Others	6.3500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL		4547.54	4313.40	4480.29	4329.37	4786.46	4622.29	4615.50	4281.42	4541.70	5066.73	5059.78	5322.63	55967.12
Availability Excl. Short Term Sources		4,598.26	4,605.34	4,508.68	4,583.06	5,504.88	5,414.61	5,546.19	4,549.51	4,809.15	5,288.76	5,059.79	5,712.85	60,181.07
Energy Requirement		4,547.54	4,313.40	4,480.29	4,329.37	4,786.46	4,622.29	4,615.50	4,281.42	4,541.70	5,066.73	5,059.78	5,322.63	55,967.12
Surplus/(Deficit)		50.72	291.94	28.39	253.69	718.42	792.32	930.69	268.08	267.45	222.03	0.00	390.21	4,213.95

ANNEXURE - F

POWER PURCHASE (IN MU) WITH VOLTAGE-WISE SALES (IN MU) AND VOLTAGE-WISE LOSS (%)

(Reference Paragraph 230 of the order)

Power Purchase (in MU) with Voltage Wise Sales (in MU) and Voltage Wise Loss(%) for FY 2007-08

(With Filing losses adjusted for 11kV and below)..CGS : 10373.27 MU

LOSSES AT DIFF.VOLTAGES(%)

DISCOM	Voltage	FY2008
EPDCL	L.T.	8.2600
CGS Share	11kV	4.7800
16.70%	33kV	5.9200
	132kV	4.3000
	PGCIL	Included

FY2008	Input after grossing up with losses at each level				
Voltage	Sales	LT	11kV	33kV	132kV
L.T.	4451.08	4851.841	5095.401	5416.03	5659.383
11kV	1093.34		1148.228	1220.48	1275.319
33kV	394.14			418.9465	437.7706
132kV	1796.60				1877.328
TOTAL	7735.17		6243.629	7055.46	9249.80
PGCIL	1732.34		11.20%	15.83%	16.37%
			D. Loss:	1116.89	
			T. Loss	397.74	
			PGC Loss	Included	9249.80
			TOTAL	1514.63	16.37%

CPDCL	L.T.	11.0000
CGS Share	11kV	7.0400
43.48%	33kV	4.0000
	132kV	4.3000
	PGCIL	Included

L.T.	12382.02	13912.38	14965.99	15589.57	16290.04
11kV	2920.76		3141.95	3272.86	3419.92
33kV	2757.17			2872.06	3001.10
132kV	1942.35				2029.62
TOTAL	20002.30		18107.94	21734.49	24740.69
PGCIL	4510.30		15.49%	16.91%	19.15%
			D. Loss:	3674.54	
			T. Loss	1063.85	
			PGC Loss	Included	24740.69
			TOTAL	4738.39	19.15%

NPDC	L.T.	10.1000		L.T.	5121.56	5696.956	6009.891	6338.21	6622.999
CGS Share	11kV	5.2070		11kV	659.09		695.2978	733.2818	766.2297
16.92%	33kV	5.1800		33kV	130.11			137.2185	143.384
	132kV	4.3000		132kV	1211.22				1265.646
	PGCIL	Included		TOTAL	7121.99		6705.189	7208.71	8798.26
				PGCIL	1755.16		13.79%	18.01%	19.05%
							D. Loss:	1297.94	
							T. Loss	378.33	
							PGC Loss	Included	8798.26
							TOTAL	1676.27	19.05%

SPDC	L.T.	9.0100		L.T.	7850.57	8627.945	9087.787	9532.977	9961.313
CGS Share	11kV	5.0600		11kV	1426.39		1502.407	1576.006	1646.82
22.90%	33kV	4.6700		33kV	600.91			630.3431	658.6657
	132kV	4.3000		132kV	872.38				911.5778
	PGCIL	Included		TOTAL	10750.24		10590.19	11739.33	13178.38
				PGCIL	2375.48		12.40%	15.86%	18.43%
							D. Loss:	1861.47	
							T. Loss	566.67	
							PGC Loss	Included	13178.38
							TOTAL	2428.14	18.43%

All DISCOMs				L.T.	29805.23	33089.12	35159.07	36876.79	38533.74
CGS Share				11kV	6099.58		6487.88	6802.63	7108.29
100.00%				33kV	3882.34			4058.56	4240.92
	132kV	4.3000		132kV	5822.55				6084.17
	PGCIL	0.0000		TOTAL	45609.69		41646.95	47737.99	55967.12
				PGCIL	10373.27		13.79%	16.66%	18.51%
							D. Loss:	7950.84	
							T. Loss	2406.59	
							PGC Loss	Included	55967.12
							TOTAL	10357.43	18.51%

ANNEXURE-G(i)

APEPDCL

(Reference: Para graph 247 of the Order)

Revised Power Purchase Costs for FY 2007-08 as filed by DISCOM

Source	Power purchase	Fixed costs	Variable costs	Tax, incentives, Other charges	Total cost	Average cost
	(MU)	(Rs. Crs.)	(Rs. Crs.)	(Rs. Crs.)	(Rs. Crs.)	(Rs/kWh)
APGenco	4829.00	268.30	436.00	6.30	710.39	1.47
Thermal	3425.00	268.30	404.00	6.30	678.63	1.98
Hydel	1404.00	0.00	32.00	0.00	31.76	0.23
CGS-SR	1855.30	86.70	172.20	19.90	278.83	1.50
NTPC-Simhadri	1235.60	76.61	113.86	4.00	194.49	1.57
APGPCL-I&II	57.17	3.47	6.92	0.00	10.38	1.82
IPPs	1296.94	172.27	143.74	0.00	316.02	2.44
NCE & Others	676.31	41.12	204.60	0.00	245.72	3.63
Total	9950.25	648.47	1077.32	30.20	1755.84	1.76
Energy Required for DISCOM	9293.69					
Sale to other DISCOMs	656.56				126.72	
Net after D-to-D	9293.69				1629.12	
NCE adj.for Surplus	76.00				8.51	
Net after NCE					1620.61	
Impact of Revision in PP Cost					77.47	
Net Total Power Purchase Cost	9293.69				1698.08	1.83

APEPDCL

Power Purchase Costs for FY 2007-08 as approved by APERC

Source	Power Purchase (MU)	Fixed Cost (Rs.Crs.)	Variable Cost (Rs. Crs.)	Incentive (Rs. Crs.)	Income Tax & Others (Rs. Crs.)	Total Cost (Rs.Crs.)	Avg. Cost (Rs/kWh)
APGENCO	4917.49						
Thermal	3482.61	304.89	444.07	-	6.32	755.28	1.54
Hydel	1434.88						
CGS	1948.02	86.67	202.83	3.71	16.21	309.42	1.59
NTPC-Simhadri	1235.80	76.61	113.88	3.83	0.19	194.50	1.57
APGPCL	57.17	3.47	6.92	-	-	10.39	1.82
IPPs	756.47	127.81	90.49	-	-	218.30	2.89
OTHERS	583.67	41.12	166.54	-	-	207.66	3.54
TOTAL	9498.62	640.57	1024.73	7.53	22.71	1695.54	1.79
Total cost after D-to-D transfer of 248.82 MU surplus energy @ Rs.1.6296/kWh						1637.53	
Total cost after NCE cost adjustment for 87.71 MU surplus energy @ Rs.0.7217/kWh						1631.24	1.76
After provisioning of Rs. 16.70 Crs. for APGENCO						1647.94	1.78

ANNEXURE-G(ii)

APCPDCL

(Reference: Para graph 247 of the Order)

Revised Power Purchase Costs for FY 2007-08 as filed by DISCOM

Source	Power purchase	Fixed costs	Variable costs	Tax, incentives, Other charges	Total cost	Average cost
	(MU)	(Rs. Crs.)	(Rs. Crs.)	(Rs. Crs.)	(Rs. Crs.)	(Rs/kWh)
APGenco	12572.40	698.44	1134.70	16.44	1849.58	1.47
Thermal	8917.28	698.44	1052.00	16.44	1766.88	1.98
Hydel	3655.12	0.00	82.70	0.00	82.70	0.23
CGS-SR	4830.53	225.64	448.46	51.87	725.97	1.50
NTPC-Simhadri	3217.09	199.45	296.45	10.44	506.36	1.57
APGPCL-I&II	148.85	9.02	18.01	0.00	27.03	1.82
IPPs	3376.71	448.53	374.25	0.00	822.78	2.44
NCE & Others	779.43	0.00	275.69	0.00	275.69	3.54
Total	24925.00	1581.08	2547.56	78.75	4207.41	1.69
Energy Required for DISCOM	26561.18					
Sale to other DISCOMs	-1636.18				-314.36	
Net after D-to-D	26561.18				4521.77	
NCE adj.for Surplus	-469.75				-52.60	
Net after NCE					4574.37	
Impact of Revision in PP Cost					200.00	
Net Total Power Purchase Cost	26561.18				4774.37	1.80

APCPDCL

Power Purchase Costs for FY 2007-08 as approved by APERC

Source	Power Purchase (MU)	Fixed Cost (Rs.Crs.)	Variable Cost (Rs. Crs.)	Incentive (Rs. Crs.)	Income Tax & Others (Rs. Crs.)	Total Cost (Rs.Crs.)	Avg. Cost (Rs/kWh)
APGENCO	12803.15						
Thermal	9067.30	793.80	1156.19	-	16.44	1966.44	1.54
Hydel	3735.85						
CGS	5071.84	225.65	528.09	9.65	42.20	805.60	1.59
NTPC-Simhadri	3217.52	199.45	296.49	9.96	0.49	506.40	1.57
APGPCL	148.85	9.04	18.01	-	-	27.05	1.82
IPPs	1969.54	332.77	235.59	-	-	568.36	2.89
OTHERS	600.36	-	185.21	-	-	185.21	3.04
TOTAL	23811.25	1560.72	2419.59	19.61	59.14	4059.06	1.70
Total cost after D-to-D transfer of 929.44 MU deficit energy @ Rs1.6296/kWh						4273.48	
Total cost after NCE cost adjustment for 505.72 MU deficit energy @ Rs.0.7217/kWh						4309.73	1.74
After provisioning of Rs. 43.48 Crs. for APGENCO						4353.21	1.76

ANNEXURE-G(iii)

APNPDCL

(Reference: Para graph 247 of the Order)

Revised Power Purchase Costs for FY 2007-08as filed by DISCOM

Source	Power purchase	Fixed costs	Variable costs	Tax, incentives, Other charges	Total cost	Average cost
	(MU)	(Rs. Crs.)	(Rs. Crs.)	(Rs. Crs.)	(Rs. Crs.)	(Rs/kWh)
APGenco	4892.48	271.79	441.56	6.40	719.75	1.47
Thermal	3470.11	271.79	409.38	6.40	687.57	1.98
Hydel	1422.37	0.00	32.18	0.00	32.18	0.23
CGS-SR	1879.78	87.81	174.51	20.20	282.51	1.50
NTPC-Simhadri	1251.91	77.62	115.36	4.07	197.05	1.57
APGPCL-I&II	57.92	3.51	7.01	0.00	10.52	1.82
IPPs	1314.03	174.54	145.64	0.00	320.18	2.44
NCE & Others	510.32	0.00	166.00	0.00	166.00	3.25
Total	9906.43	615.27	1050.08	30.66	1696.00	1.71
Energy Required for DISCOM	9212.61					
Sale to other DISCOMs	693.82				133.91	
Net after D-to-D	9212.61				1562.09	
NCE adj.for Surplus	17.38				1.95	
Net after NCE					1560.15	
Impact of Revision in PP Cost					78.00	
Net Total Power Purchase Cost	9212.61				1638.72	1.78

APNPDCL

Power Purchase Costs for FY 2007-08as approved by APERC

Source	Power Purchase (MU)	Fixed Cost (Rs. Crs.)	Variable Cost (Rs. Crs.)	Incentive (Rs. Crs.)	Income Tax & Others (Rs. Crs.)	Total Cost (Rs. Crs.)	Avg. Cost (Rs/kWh)
APGENCO	4982.28						
Thermal	3528.49	308.90	449.93	-	6.40	765.23	1.54
Hydel	1453.79						
CGS	1973.68	87.81	205.50	3.76	16.42	313.49	1.59
NTPC-Simhadri	1252.08	77.62	115.38	3.88	0.19	197.06	1.57
APGPCL	57.92	3.52	7.01	-	-	10.53	1.82
IPPs	766.43	129.50	91.68	-	-	221.17	2.89
OTHERS	440.63	-	130.95	-	-	130.95	2.95
TOTAL	9473.02	607.34	1000.45	7.63	23.01	1638.44	1.73
Total cost after D-to-D transfer of 674.76 MU surplus energy @ Rs.1.6296/kWh						1483.37	
Total cost after NCE cost adjustment for 47.70 MU surplus energy @ Rs.0.7217/kWh						1479.95	1.68
After provisioning of Rs. 16.92 Crs. for APGENCO						1496.87	1.70

ANNEXURE-G(iv)

APSPDCL

(Reference: Para graph 247 of the Order)

Revised Power Purchase Costs for FY 2007-08 as filed by DISCOM

Source	Power purchase	Fixed costs	Variable costs	Tax, incentives, Other charges	Total cost	Average cost
	(MU)	(Rs. Crs.)	(Rs. Crs.)	(Rs. Crs.)	(Rs. Crs.)	(Rs/kWh)
APGenco	6621.62	367.85	597.62	8.66	974.13	1.47
Thermal	4696.54	367.85	554.07	8.66	930.58	1.98
Hydel	1925.08	0.00	43.55	0.00	43.55	0.23
CGS-SR	2544.14	118.84	236.19	27.33	382.35	1.50
NTPC-Simhadri	1694.37	105.05	156.14	5.50	266.69	1.57
APGPCL-I&II	78.39	4.75	9.49	0.00	14.24	1.82
IPPs	1778.44	236.23	197.11	0.00	433.34	2.44
NCE & Others	1053.88	0.00	346.67	0.00	346.67	3.29
Total	13770.85	832.72	1543.22	41.48	2417.42	1.76
Energy Required for DISCOM	13485.01					
Sale to other DISCOMs	285.84				55.17	
Net after D-to-D	13485.01				2362.25	
NCE adj.for Surplus	376.37				42.14	
Net after NCE					2320.11	
Impact of Revision in PP Cost					106.00	
Net Total Power Purchase Cost	13485.01				2426.49	1.80

APSPDCL

Power Purchase Costs for FY 2007-08 as approved by APERC

Source	Power Purchase (MU)	Fixed Cost (Rs.Crs.)	Variable Cost (Rs. Crs.)	Incentive (Rs. Crs.)	Income Tax & Others (Rs. Crs.)	Total Cost (Rs.Crs.)	Avg. Cost (Rs/kWh)
APGENCO	6743.15						
Thermal	4775.56	418.08	608.94	-	8.66	1035.68	1.54
Hydel	1967.59						
CGS	2671.23	118.85	278.14	5.08	22.23	424.29	1.59
NTPC-Simhadri	1694.60	105.05	156.16	5.25	0.26	266.71	1.57
APGPCL	78.39	4.76	9.49	-	-	14.25	1.82
IPPs	1037.31	175.26	124.08	-	-	299.34	2.89
OTHERS	955.11	-	296.52	-	-	296.52	3.10
TOTAL	13184.25	822.00	1476.15	10.33	31.15	2339.62	1.77
Total cost after D-to-D transfer of 5.87 MU surplus energy @ Rs.1.6296/kWh						2338.28	
Total cost after NCE cost adjustment for 370.33 MU surplus energy @ Rs.0.7217/kWh						2311.73	1.75
After provisioning of Rs. 22.90 Crs. for APGENCO						2334.63	1.77

ANNEXURE - H (i)
CATEGORY-WISE MONTHLY SALES FOR FY 2007-08
(Reference: Para graph 230 of the Order)
ALL DISCOMS

Voltage and Consumer Category	MUs												
	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
LT Category	2443.04	2240.06	2346.02	2241.67	2530.28	2420.40	2493.31	2233.57	2411.95	2785.32	2702.83	2956.78	29805.23
Domestic	877.86	829.51	969.83	875.92	834.32	917.96	872.44	827.96	741.24	752.42	757.67	801.92	10059.06
Non - Domestic	212.90	197.58	235.90	217.63	202.19	210.47	201.25	205.80	185.88	182.63	191.60	183.93	2427.76
Industrial	218.39	199.13	219.34	205.60	189.61	191.04	180.00	189.97	202.22	234.30	239.82	224.91	2494.34
Cottage Industries	3.72	3.77	4.65	3.35	3.56	4.33	3.79	3.78	3.50	3.97	5.62	3.86	47.89
Irrigation and Agriculture	1022.25	899.03	806.90	829.57	1189.28	987.58	1122.14	887.77	1159.53	1493.99	1374.95	1624.83	13397.80
Street Lightning & PWS	95.52	99.73	98.67	98.49	99.60	96.96	100.83	105.63	106.88	105.80	119.84	104.83	1232.79
General Purpose	11.74	10.43	9.64	10.23	11.08	11.28	11.95	11.84	11.85	11.43	11.62	11.44	134.52
Temporary Supply	0.66	0.88	1.08	0.88	0.66	0.78	0.91	0.82	0.85	0.77	1.71	1.07	11.07
													0.00
HT Category at 11 kV	492.27	498.48	511.21	495.94	531.55	511.65	485.89	489.20	491.19	516.18	560.32	515.71	6099.58
HT-I Indl Segregated	287.16	295.44	323.13	314.48	335.55	312.59	301.45	307.04	312.34	325.86	349.39	307.98	3772.41
Lights & Fans	5.15	5.29	5.61	5.43	5.72	5.76	5.49	5.61	5.63	6.00	6.15	5.74	67.57
Colony consumption	0.38	0.42	0.41	0.41	0.43	0.43	0.43	0.42	0.40	0.42	0.44	0.42	5.01
Seasonal Industries	0.08	0.11	0.12	0.12	0.14	0.15	0.13	0.09	0.08	0.09	0.09	0.08	1.30
HT - I (B) Ferro-alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II - Indl Non-Segregated	101.26	106.50	104.92	92.95	91.10	90.43	86.94	83.49	81.49	82.22	91.26	94.92	1107.48
HT -IV A Irrigation & Agricultural	10.89	6.36	4.16	6.37	19.61	23.58	12.39	14.98	13.19	12.16	10.62	17.91	152.22
HT -IV B Irrigation & Agricultural	5.59	5.71	3.33	3.84	5.00	5.63	7.95	7.50	9.14	9.62	11.99	10.89	86.19
HT-V –Traction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-VI -Colony Lighting	14.43	14.49	14.43	13.17	13.45	13.42	12.77	12.13	11.05	11.39	11.51	11.26	153.50
REC Societies	67.34	64.16	55.07	59.18	60.54	59.65	58.33	57.94	57.87	68.41	78.75	66.51	753.77
Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.13
													0.00
HT Category at 33 kV	301.84	312.77	325.32	319.44	340.75	334.36	308.92	309.57	313.34	331.68	354.52	329.84	3882.34
HT-I Indl Segregated	263.15	272.73	286.59	283.26	296.62	289.35	270.71	272.76	275.18	293.52	311.31	286.92	3402.10
Lights & Fans	2.73	2.82	3.03	2.93	3.11	3.07	3.00	3.05	3.08	3.18	3.35	3.04	36.40
Colony consumption	0.64	0.68	0.70	0.70	0.74	0.73	0.70	0.71	0.70	0.72	0.76	0.70	8.49
Seasonal Industries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT - I (B) Ferro-alloys	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	37.20
HT-II - Indl Non-Segregated	24.99	26.31	25.90	22.63	22.20	21.98	21.09	20.31	19.97	19.95	22.49	23.47	271.29

Voltage and Consumer Category	MUs												
	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
HT -IV A Irrigation & Agricultural	2.58	2.06	1.01	1.89	10.22	10.73	4.55	4.44	5.45	4.40	3.95	3.96	55.23
HT -IV B Irrigation & Agricultural	0.92	0.79	0.76	0.75	0.85	1.30	1.87	1.57	2.56	3.57	6.20	5.30	26.44
HT-V –Traction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-VI -Colony Lighting	3.74	4.28	4.22	4.18	3.92	4.11	3.91	3.62	3.30	3.23	3.36	3.34	45.19
REC Societies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
													0.00
HT Category at 132 kV	467.42	471.62	473.58	481.08	501.44	507.00	467.19	460.14	485.39	483.62	500.77	523.30	5822.55
HT-I Indl Segregated	248.86	262.53	257.12	268.39	267.18	266.99	248.59	257.06	275.20	269.67	285.08	289.40	3196.08
Lights & Fans	0.45	0.46	0.50	0.48	0.51	0.50	0.49	0.50	0.50	0.53	0.55	0.51	6.00
Colony consumption	1.42	1.49	1.47	1.43	1.47	1.44	1.60	1.55	1.51	1.57	1.61	1.53	18.09
Seasonal Industries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT - I(B) Ferro-alloys	69.16	69.39	71.06	69.62	74.20	71.55	57.30	53.43	55.18	51.24	46.80	46.06	734.99
HT-II - Indl Non-Segregated	4.79	5.02	5.00	4.45	4.38	4.30	4.09	3.97	3.89	3.83	4.30	4.52	52.53
HT -IV A Irrigation & Agricultural	15.47	6.17	7.24	11.33	24.79	31.02	25.33	23.31	22.15	18.21	17.63	31.41	234.06
HT -IV B Irrigation & Agricultural	5.16	3.87	3.53	3.63	4.23	9.70	14.43	12.72	10.48	10.93	13.92	23.45	116.04
HT-V –Traction	114.35	113.06	118.16	111.79	115.73	111.94	106.22	99.25	109.02	120.55	123.38	118.95	1362.39
HT-VI -Colony Lighting	7.76	9.62	9.52	9.96	8.94	9.55	9.15	8.35	7.46	7.10	7.48	7.47	102.36
REC Societies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
													0.00
TOTAL	3704.56	3522.94	3656.12	3538.13	3904.02	3773.41	3755.30	3492.47	3701.87	4116.80	4118.44	4325.63	45609.69

ANNEXURE - H (ii)
CATEGORY-WISE MONTHLY SALES FOR FY 2007-08
(Reference: Para graph 230 of the Order)
APEPDCL

Voltage and Consumer Category	MUs												
	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
LT Category	386.55	364.45	388.16	369.30	380.56	347.80	345.67	340.15	370.68	385.70	387.88	384.17	4451.08
Domestic	177.27	170.51	199.57	195.14	187.36	202.61	194.52	187.32	169.51	152.51	155.27	163.87	2155.45
Non - Domestic	37.48	32.99	41.39	37.59	38.80	37.77	37.05	35.44	33.61	31.79	34.33	34.12	432.37
Industrial	35.34	37.10	38.19	31.45	29.13	27.29	24.55	25.88	30.23	38.91	38.33	35.51	391.92
Cottage Industries	0.13	0.14	0.12	0.11	0.12	0.13	0.11	0.12	0.12	0.13	0.12	0.12	1.48
Irrigation and Agriculture	119.36	107.18	92.56	87.04	106.97	62.87	72.62	73.84	119.47	143.98	140.99	132.79	1259.68
Street Lightning & PWS	14.52	14.39	14.39	15.80	15.83	14.54	14.38	14.89	15.13	15.93	16.40	15.20	181.41
General Purpose	2.44	2.15	1.93	2.16	2.35	2.59	2.44	2.65	2.61	2.46	2.44	2.55	28.77
Temporary Supply													0.00
													0.00
HT Category at 11 kV	87.50	92.67	92.88	92.57	109.84	101.59	81.21	83.02	86.35	83.44	93.99	88.28	1093.34
HT-I Indl Segregated	56.20	63.16	63.50	63.45	69.80	63.61	54.69	56.50	58.29	56.65	65.46	58.80	730.10
Lights & Fans													0.00
Colony consumption													0.00
Seasonal Industries													0.00
HT - I (B) Ferro-alloys													0.00
HT-II - Indl Non-Segregated	12.26	12.58	13.64	13.31	13.97	12.77	10.65	10.65	10.45	10.01	10.99	12.11	143.40
HT -IV A Irrigation & Agricultural	1.69	1.94	0.75	1.74	10.95	11.29	4.19	4.19	4.77	2.83	2.07	2.04	48.42
HT -IV B Irrigation & Agricultural													0.00
HT-V –Traction													0.00
HT-VI -Colony Lighting	1.98	1.96	2.10	1.69	1.77	1.60	1.47	1.47	1.29	1.27	1.41	1.40	19.42
REC Societies	15.37	13.03	12.89	12.39	13.35	12.32	10.21	10.21	11.55	12.68	14.05	13.94	152.00
Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
													0.00
HT Category at 33 kV	28.95	32.18	31.60	32.30	43.38	40.71	30.00	30.75	31.94	29.39	32.71	30.23	394.14
HT-I Indl Segregated	23.52	26.43	26.58	26.55	29.21	26.62	22.89	23.64	24.39	23.71	27.40	24.61	305.54
Lights & Fans													0.00
Colony consumption													0.00
Seasonal Industries													0.00
HT - I (B) Ferro-alloys													0.00
HT-II - Indl Non-Segregated	3.66	3.75	4.07	3.97	4.17	3.81	3.18	3.18	3.12	2.99	3.28	3.61	42.78

Voltage and Consumer Category	MUs												
	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
HT -IV A Irrigation & Agricultural	1.50	1.73	0.67	1.55	9.76	10.06	3.73	3.73	4.25	2.52	1.85	1.82	43.16
HT -IV B Irrigation & Agricultural													0.00
HT-V –Traction													0.00
HT-VI -Colony Lighting	0.27	0.27	0.29	0.23	0.24	0.22	0.20	0.20	0.18	0.17	0.19	0.19	2.67
REC Societies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
													0.00
HT Category at 132 kV	154.31	157.68	162.06	159.85	171.23	162.38	137.41	135.47	141.37	139.54	143.97	131.33	1796.60
HT-I Indl Segregated	59.99	67.41	67.78	67.72	74.50	67.90	58.37	60.30	62.21	60.46	69.87	62.76	779.28
Lights & Fans													0.00
Colony consumption													0.00
Seasonal Industries													0.00
HT - I (B) Ferro-alloys	53.46	52.72	54.00	53.32	57.27	55.47	41.22	37.35	39.10	35.16	30.72	29.98	539.77
HT-II - Indl Non-Segregated	1.15	1.18	1.28	1.25	1.31	1.20	1.00	1.00	0.98	0.94	1.03	1.14	13.49
HT -IV A Irrigation & Agricultural													0.00
HT -IV B Irrigation & Agricultural													0.00
HT-V –Traction	39.56	36.20	38.83	37.39	37.96	37.64	36.67	36.67	38.92	42.82	42.17	37.29	462.13
HT-VI -Colony Lighting	0.15	0.17	0.17	0.17	0.18	0.17	0.14	0.15	0.15	0.15	0.17	0.16	1.93
REC Societies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	657.31	646.99	674.70	654.03	705.01	652.48	594.29	589.40	630.33	638.08	658.55	634.01	7735.17

ANNEXURE - H (iii)
CATEGORY-WISE MONTHLY SALES FOR FY 2007-08
(Reference: Para graph 230 of the Order)

APCPDCL

Voltage and Consumer Category	MUs												
	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
LT Category	987.00	900.71	980.77	918.21	987.29	984.12	1059.97	954.73	1041.28	1187.45	1137.47	1243.01	12382.02
Domestic	331.46	301.57	379.80	323.30	299.74	331.77	307.88	312.14	265.90	275.05	285.56	279.94	3694.12
Non - Domestic	103.94	95.59	116.84	107.10	95.28	100.66	94.20	99.64	89.14	90.82	88.90	79.46	1161.56
Industrial	92.96	83.13	95.43	94.20	87.56	89.25	88.55	88.36	93.80	105.02	95.73	99.06	1113.05
Cottage Industries	1.15	1.14	2.27	0.87	1.05	1.11	1.21	1.13	0.84	1.22	1.22	1.31	14.54
Irrigation and Agriculture	419.51	379.70	347.92	355.22	465.89	423.07	530.47	415.18	552.78	675.82	626.33	746.12	5938.00
Street Lightning & PWS	33.05	34.79	33.87	33.05	33.28	33.12	32.73	33.38	33.93	34.44	34.85	32.50	403.00
General Purpose	4.33	4.05	3.78	3.73	3.88	4.45	4.25	4.18	4.08	4.54	3.90	3.60	48.76
Temporary Supply	0.60	0.74	0.86	0.76	0.61	0.71	0.67	0.72	0.80	0.53	0.99	1.02	9.00
													0.00
HT Category at 11 kV	235.38	239.23	250.48	234.28	243.02	246.25	237.83	238.37	238.39	247.94	260.05	249.54	2920.76
HT-I Indl Segregated	152.92	155.14	168.18	161.19	170.71	173.20	165.87	168.66	169.71	178.49	185.00	171.02	2020.09
Lights & Fans	4.15	4.22	4.57	4.38	4.64	4.71	4.51	4.58	4.61	4.85	5.03	4.65	54.88
Colony consumption	0.27	0.27	0.30	0.28	0.30	0.31	0.29	0.30	0.30	0.31	0.33	0.30	3.56
Seasonal Industries	0.08	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	1.00
HT - I (B) Ferro-alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II - Indl Non-Segregated	67.11	70.21	68.07	57.98	56.00	56.42	55.98	53.88	53.06	53.01	60.12	61.86	713.69
HT -IV A Irrigation & Agricultural	2.91	1.54	1.88	3.35	3.91	3.87	3.69	3.69	3.29	2.75	2.34	4.74	37.96
HT -IV B Irrigation & Agricultural	2.91	2.77	2.57	2.61	2.87	3.00	2.95	2.94	3.23	4.22	2.90	2.72	35.69
HT-V –Traction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-VI -Colony Lighting	5.03	5.00	4.83	4.41	4.50	4.67	4.47	4.24	4.11	4.22	4.25	4.16	53.89
REC Societies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
													0.00
HT Category at 33 kV	212.65	218.62	233.87	222.25	233.43	230.70	223.85	228.01	228.62	239.68	252.06	233.43	2757.17
HT-I Indl Segregated	183.86	188.83	204.53	196.24	207.74	204.86	198.33	203.12	203.94	214.62	224.87	206.04	2437.00
Lights & Fans	2.72	2.79	3.02	2.90	3.07	3.03	2.93	3.00	3.01	3.17	3.32	3.04	36.00
Colony consumption	0.53	0.54	0.59	0.56	0.60	0.59	0.57	0.58	0.59	0.62	0.65	0.59	7.00
Seasonal Industries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT - I (B) Ferro-alloys	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	37.20
HT-II - Indl Non-Segregated	20.56	21.51	20.85	17.76	17.16	17.29	17.15	16.51	16.26	16.24	18.42	18.95	218.65

Voltage and Consumer Category	MUs												
	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
HT -IV A Irrigation & Agricultural	0.18	0.17	0.17	0.17	0.19	0.20	0.19	0.18	0.18	0.18	0.18	0.19	2.18
HT -IV B Irrigation & Agricultural	0.51	0.49	0.45	0.46	0.51	0.53	0.52	0.52	0.57	0.75	0.51	0.52	6.35
HT-V –Traction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-VI -Colony Lighting	1.19	1.19	1.15	1.05	1.07	1.11	1.06	1.01	0.98	1.00	1.01	0.99	12.79
REC Societies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
													0.00
HT Category at 132 kV	148.92	143.74	154.66	151.95	172.92	174.23	160.99	163.95	164.35	166.69	171.42	168.51	1942.35
HT-I Indl Segregated	107.81	110.73	119.93	115.07	121.81	120.13	116.30	119.10	119.59	125.85	131.86	120.82	1429.00
Lights & Fans	0.45	0.46	0.50	0.48	0.51	0.50	0.49	0.50	0.50	0.53	0.55	0.51	6.00
Colony consumption	0.91	0.93	1.01	0.97	1.02	1.01	0.98	1.00	1.00	1.06	1.11	1.01	12.00
Seasonal Industries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT - I (B) Ferro-alloys	15.70	16.67	17.06	16.30	16.93	16.08	16.08	16.08	16.08	16.08	16.08	16.08	195.22
HT-II - Indl Non-Segregated	3.45	3.60	3.49	2.98	2.87	2.90	2.87	2.77	2.72	2.72	3.09	3.18	36.64
HT -IV A Irrigation & Agricultural	12.80	4.16	5.41	9.45	22.60	26.00	17.86	16.73	16.73	12.56	10.43	19.28	174.02
HT -IV B Irrigation & Agricultural	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-V –Traction	7.81	7.18	7.25	6.70	7.16	7.61	6.41	7.78	7.72	7.89	8.30	7.64	89.46
HT-VI -Colony Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REC Societies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	1583.95	1502.31	1619.79	1526.69	1636.65	1635.32	1682.63	1585.07	1672.65	1841.75	1821.00	1894.49	20002.30

ANNEXURE - H (iv)
CATEGORY-WISE MONTHLY SALES FOR FY 2007-08
(Reference: Para graph 230 of the Order)

APNPDCL

Voltage and Consumer Category	MUs												
	April	May	June	July	August	September	October	November	December	January	February	March	Total
LT Category	389.60	337.74	321.73	324.80	469.40	441.98	485.70	384.02	419.82	518.85	496.95	530.97	5,121.56
Domestic	126.47	128.18	136.22	115.58	112.78	126.00	125.38	119.78	98.58	94.67	98.18	103.51	1,385.33
Non – Domestic	21.53	23.53	27.36	24.56	21.85	22.30	22.95	21.94	19.60	18.65	18.60	19.35	262.22
Industrial	23.08	22.06	23.36	21.03	17.79	16.58	16.60	16.44	21.92	33.07	31.03	28.63	271.59
Cottage Industries	0.38	0.43	0.42	0.43	0.43	0.47	0.43	0.42	0.48	0.48	0.51	0.49	5.39
Irrigation and Agriculture	196.29	140.92	111.81	141.09	293.82	253.16	294.58	201.29	255.07	346.74	323.91	350.38	2,909.06
Street Lightning & PWS	20.20	21.09	21.32	20.95	21.35	21.88	24.02	22.57	22.65	23.80	23.32	26.78	269.92
General Purpose	1.65	1.52	1.24	1.15	1.39	1.57	1.73	1.55	1.51	1.44	1.33	1.81	17.91
Temporary Supply	-	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.00	0.00	0.08	0.02	0.15
HT Category at 11 kV	51.06	54.48	47.55	49.61	47.49	52.89	57.90	59.97	57.00	58.99	63.23	58.93	659.09
HT-I Indl Segregated	12.45	13.06	12.32	13.56	12.44	12.07	12.34	13.33	14.04	14.01	14.58	15.13	159.32
Lights & Fans													-
Colony consumption													-
Seasonal Industries	0.00	0.03	0.04	0.04	0.06	0.07	0.05	0.00	-	-	-	-	0.30
HT - I (B) Ferro-alloys													-
HT-II - Indl Non-Segregated	4.10	4.94	4.72	4.91	4.18	4.37	4.58	4.40	3.98	3.63	3.87	4.43	52.12
HT -IV A Irrigation & Agricultural	0.44	0.33	0.30	0.31	0.36	0.83	1.23	1.09	0.90	0.93	1.19	2.00	9.92
HT -IV B Irrigation & Agricultural	0.85	0.64	0.58	0.60	0.70	1.60	2.38	2.10	1.73	1.80	2.30	3.87	19.17
HT-V –Traction													-
HT-VI -Colony Lighting	0.89	1.11	1.10	1.15	1.03	1.10	1.06	0.96	0.86	0.82	0.86	0.86	11.80
REC Societies	32.31	34.37	28.49	29.03	28.72	32.85	36.25	38.08	35.49	37.79	40.44	32.64	406.46
Temporary													-
HT Category at 33 kV	9.64	10.35	9.87	10.69	9.84	10.48	11.08	11.19	11.04	10.98	11.75	13.19	130.11
HT-I Indl Segregated	6.79	7.12	6.71	7.39	6.78	6.58	6.73	7.27	7.65	7.64	7.94	8.25	86.84
Lights & Fans													-
Colony consumption													-
Seasonal Industries	-	-	-	-	-	-	-	-	-	-	-	-	-
HT - I (B) Ferro-alloys													-
HT-II - Indl Non-Segregated	0.05	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.61
HT -IV A Irrigation & Agricultural	0.21	0.16	0.14	0.15	0.17	0.39	0.59	0.52	0.43	0.44	0.57	0.95	4.72
HT -IV B Irrigation & Agricultural	0.41	0.30	0.28	0.29	0.33	0.76	1.13	1.00	0.82	0.86	1.09	1.84	9.12

Voltage and Consumer Category	MUs												
	April	May	June	July	August	September	October	November	December	January	February	March	Total
HT-V –Traction													-
HT-VI -Colony Lighting	2.19	2.71	2.68	2.81	2.51	2.69	2.59	2.35	2.10	1.99	2.10	2.10	28.83
REC Societies	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary													-
HT Category at 132 kV	86.82	93.68	90.62	94.26	89.38	97.08	104.59	102.63	101.22	103.64	113.40	133.91	1,211.22
HT-I Indl Segregated	46.89	49.18	46.38	51.07	46.82	45.44	46.46	50.21	52.85	52.76	54.89	56.96	599.91
Lights & Fans													-
Colony consumption													-
Seasonal Industries	-	-	-	-	-	-	-	-	-	-	-	-	-
HT - I(B) Ferro-alloys													-
HT-II - Indl Non-Segregated	0.19	0.23	0.22	0.23	0.19	0.20	0.21	0.20	0.18	0.17	0.18	0.20	2.40
HT -IV A Irrigation & Agricultural	2.67	2.00	1.83	1.88	2.19	5.02	7.47	6.58	5.42	5.65	7.20	12.13	60.04
HT -IV B Irrigation & Agricultural	5.16	3.87	3.53	3.63	4.23	9.70	14.43	12.72	10.48	10.93	13.92	23.45	116.04
HT-V –Traction	24.30	28.94	29.32	27.66	27.20	27.33	27.02	24.72	24.98	27.18	29.90	33.85	332.40
HT-VI -Colony Lighting	7.61	9.46	9.35	9.79	8.76	9.38	9.01	8.20	7.31	6.95	7.31	7.32	100.43
REC Societies	-	-	-	-	-	-	-	-	-	-	-	-	-
Temporary													-
TOTAL	537.11	496.26	469.78	479.36	616.11	602.42	659.28	557.81	589.08	692.45	685.33	737.01	7,121.99

ANNEXURE - H (v)
CATEGORY-WISE MONTHLY SALES FOR FY 2007-08
(Reference: Para graph 230 of the Order)
APSPDCL

Voltage and Consumer Category	MUs												
	April	May	June	July	August	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total
LT Category	679.89	637.16	655.35	629.35	693.03	646.50	601.96	554.67	580.18	693.31	680.53	798.64	7850.567
Domestic	242.66	229.25	254.24	241.91	234.44	257.58	244.65	208.72	207.24	230.20	218.67	254.60	2824.17
Non – Domestic	49.96	45.48	50.31	48.38	46.25	49.75	47.04	48.78	43.53	41.36	49.77	50.99	571.61
Industrial	67.01	56.83	62.36	58.92	55.13	57.92	50.29	59.29	56.28	57.30	74.73	61.71	717.78
Cottage Industries	2.05	2.06	1.83	1.94	1.96	2.62	2.03	2.10	2.05	2.13	3.77	1.93	26.48
Irrigation and Agriculture	287.09	271.22	254.61	246.21	322.61	248.48	224.46	197.46	232.20	327.46	283.72	395.54	3291.06
Street Lightning & PWS	27.75	29.46	29.09	28.69	29.14	27.42	29.70	34.78	35.17	31.63	45.27	30.35	378.45
General Purpose	3.31	2.71	2.69	3.19	3.46	2.67	3.54	3.46	3.64	2.99	3.96	3.48	39.09
Temporary Supply	0.06	0.14	0.21	0.11	0.04	0.07	0.24	0.08	0.06	0.24	0.64	0.03	1.92
													0.00
HT Category at 11 kV	118.33	112.10	120.30	119.48	131.21	110.92	108.95	107.84	109.45	125.81	143.05	118.95	1426.39
HT-I Indl Segregated	65.58	64.08	79.13	76.28	82.60	63.71	68.56	68.56	70.31	76.71	84.36	63.03	862.89
Lights & Fans	0.99	1.08	1.04	1.05	1.09	1.05	0.99	1.02	1.01	1.15	1.12	1.09	12.69
Colony consumption	0.11	0.15	0.12	0.12	0.13	0.13	0.13	0.13	0.10	0.11	0.11	0.12	1.44
Seasonal Industries													0.00
HT - I(B) Ferro-alloys													0.00
HT-II - Indl Non-Segregated	17.79	18.77	18.49	16.75	16.95	16.87	15.73	14.56	13.99	15.57	16.28	16.52	198.27
HT -IV A Irrigation & Agricultural	5.85	2.55	1.23	0.97	4.40	7.60	3.28	6.02	4.24	5.65	5.01	9.13	55.93
HT -IV B Irrigation & Agricultural	1.83	2.30	0.18	0.64	1.43	1.03	2.61	2.46	4.18	3.60	6.79	4.29	31.33
HT-V –Traction													0.00
HT-VI -Colony Lighting	6.53	6.42	6.40	5.91	6.15	6.05	5.78	5.46	4.79	5.08	4.99	4.84	68.40
REC Societies	19.66	16.77	13.70	17.76	18.46	14.49	11.87	9.64	10.83	17.94	24.26	19.93	195.30
Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.13

Voltage and Consumer Category	MUs												Total
	April	May	June	July	August	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	March	
													0.00
HT Category at 33 kV	50.60	51.61	49.98	54.20	54.10	52.47	43.99	39.61	41.73	51.64	57.99	52.99	600.91
HT-I Indl Segregated	48.98	50.35	48.77	53.07	52.90	51.29	42.76	38.74	39.19	47.56	51.10	48.02	572.72
Lights & Fans	0.01	0.03	0.01	0.03	0.04	0.04	0.07	0.05	0.07	0.01	0.03	0.00	0.40
Colony consumption	0.11	0.14	0.11	0.14	0.15	0.14	0.13	0.13	0.11	0.11	0.12	0.11	1.49
Seasonal Industries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT - I(B) Ferro-alloys													0.00
HT-II - Indl Non-Segregated	0.72	0.99	0.93	0.84	0.83	0.84	0.70	0.57	0.55	0.68	0.74	0.85	9.25
HT -IV A Irrigation & Agricultural	0.69	0.00	0.03	0.03	0.10	0.07	0.05	0.01	0.59	1.25	1.35	1.00	5.17
HT -IV B Irrigation & Agricultural	0.00	0.00	0.03	0.00	0.01	0.00	0.21	0.05	1.16	1.97	4.59	2.94	10.97
HT-V –Traction													0.00
HT-VI -Colony Lighting	0.09	0.10	0.10	0.09	0.09	0.09	0.06	0.06	0.05	0.06	0.06	0.06	0.90
REC Societies													0.00
Temporary													0.00
													0.00
HT Category at 132 kV	77.37	76.51	66.24	75.02	67.90	73.31	64.21	58.08	78.46	73.76	71.98	89.55	872.38
HT-I Indl Segregated	34.17	35.21	23.03	34.52	24.04	33.53	27.46	27.45	40.55	30.60	28.46	48.86	387.89
Lights & Fans	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colony consumption	0.52	0.56	0.46	0.47	0.44	0.43	0.62	0.55	0.50	0.51	0.51	0.52	6.09
Seasonal Industries													0.00
HT - I(B) Ferro-alloys													0.00
HT-II - Indl Non-Segregated													0.00
HT -IV A Irrigation & Agricultural													0.00
HT -IV B Irrigation & Agricultural													0.00
HT-V –Traction	42.68	40.74	42.75	40.03	43.41	39.35	36.12	30.08	37.40	42.64	43.01	40.17	478.40
HT-VI -Colony Lighting													0.00
REC Societies													0.00
Temporary													0.00
TOTAL	926.19	877.39	891.86	878.05	946.24	883.20	819.11	760.19	809.81	944.51	953.55	1060.12	10750.24

ANNEXURE - I (i)
COST TO SERVICE MODEL
(Reference: Para graph 251 of the Order)

COST ALLOCATION (NET)

CPDCL	Generation					
	Demand			Energy		
LT	Cost (Rs. Crores)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs. Crores)	Recovery Basis - Energy Sales (MU)	CoS - Rs/kWh
LT Cat I - Domestic	556.65	1,120.97	413.82	535.30	3,694.12	1.45
LT Cat II - Non-domestic	163.48	351.59	387.49	167.42	1,161.56	1.44
LT Cat III (A & B) - Industrial	107.92	244.13	368.38	160.68	1,113.05	1.44
LT Cat IV - Cottage Industries & Dhobighats	1.33	3.20	346.47	2.11	14.54	1.45
LT Cat V - Irrigation and Agriculture	93.70	1,787.70	43.68	827.97	5,938.00	1.39
LT Cat VI - Local Bodies, St. Lighting & PWS	69.01	161.25	356.62	67.29	403.00	1.67
LT Cat VII - General Purpose	7.59	18.37	344.14	7.75	49.00	1.58
LT Cat VIII - Temporary	1.24	2.93	353.03	1.27	9.00	1.41
HT						
HT Cat I - Industry - General (11 kV)	148.15	596.79	206.87	236.52	2,043.87	1.16
HT Cat I - Industry - General (33 kV)	176.39	573.66	256.24	283.14	2,534.27	1.12
HT Cat I - Industry - General (220/132 kV)	108.44	280.60	322.04	184.56	1,661.30	1.11
HT Cat II - Industry - Other (11 kV)	98.63	261.15	314.74	84.55	713.69	1.18
HT Cat II - Industry - Other (33 kV)	27.82	97.42	238.01	24.43	218.65	1.12
HT Cat II - Industry - Other (220/132 kV)	3.85	9.50	337.36	4.07	36.64	1.11
HT Cat IV - Irrigation & Agriculture (11 kV)	2.14	13.14	135.62	5.33	42.04	1.27
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	23.93	214.16	1.12
HT Cat V - Railway Traction (EHT)	10.01	26.00	320.81	9.94	89.46	1.11
HT Cat VI - Colony Consumption	8.03	14.88	449.92	7.96	66.68	1.19
HT Rural Co-operatives (11 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 33 kV						
Open Access - 11 kV						
TOTAL	1,584.38	5,563.27	237.33	2,634.21	20,003.02	1.32

CPDCL	Transmission - Inter-State Demand			Transmission - Intra-State Demand		
	LT	Cost (Rs. Crores)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs. Crores)	Rate Basis - Contracts/NCP G-T interface (MW)
LT Cat I - Domestic	19.01	1,120.97	14.13	52.89	1,120.97	39.32
LT Cat II - Non-domestic	5.96	351.59	14.13	16.59	351.59	39.32
LT Cat III (A & B) - Industrial	4.14	244.13	14.13	11.52	244.13	39.32
LT Cat IV - Cottage Industries & Dhobighats	0.05	3.20	14.13	0.15	3.20	39.32
LT Cat V - Irrigation and Agriculture	30.32	1,787.70	14.13	84.34	1,787.70	39.32
LT Cat VI - Local Bodies, St. Lighting & PWS	2.73	161.25	14.13	7.61	161.25	39.32
LT Cat VII - General Purpose	0.31	18.37	14.13	0.87	18.37	39.32
LT Cat VIII - Temporary	0.05	2.93	14.13	0.14	2.93	39.32
HT						
HT Cat I - Industry - General (11 kV)	11.97	596.79	16.71	33.29	596.79	46.48
HT Cat I - Industry - General (33 kV)	11.50	573.66	16.71	32.00	573.66	46.48
HT Cat I - Industry - General (220/132 kV)	5.63	280.60	16.71	15.65	280.60	46.48
HT Cat II - Industry - Other (11 kV)	5.24	261.15	16.71	14.57	261.15	46.48
HT Cat II - Industry - Other (33 kV)	1.95	97.42	16.71	5.43	97.42	46.48
HT Cat II - Industry - Other (220/132 kV)	0.19	9.50	16.71	0.53	9.50	46.48
HT Cat IV - Irrigation & Agriculture (11 kV)	0.22	13.14	14.13	0.62	13.14	39.32
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Cat V - Railway Traction (EHT)	0.52	26.00	16.71	1.45	26.00	46.48
HT Cat VI - Colony Consumption	0.30	14.88	16.71	0.83	14.88	46.48
HT Rural Co-operatives (11 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Rural Co-operatives (33 kV)	0.00	0.00	14.13	0.00	0.00	39.32
HT Temporary	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 33 kV						
Open Access - 11 kV						
TOTAL	100.10	5,563.27	14.99	278.47	5,563.27	41.71

CPDCL	Distribution Demand			Retail Supply Energy		
	Cost (Rs. Crores)	Rate Basis - Contracts/NCP T-D interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs. Crores)	Rate Basis - Energy Sales (MU)	CoS - Rs/kVA/ Month
LT						
LT Cat I – Domestic	166.46	1,026.92	135.08	(20.75)	3,694	(0.06)
LT Cat II - Non-domestic	52.56	324.22	135.08	(6.49)	1,162	(0.06)
LT Cat III (A & B) – Industrial	36.42	224.70	135.08	(6.23)	1,113	(0.06)
LT Cat IV - Cottage Industries & Dhobighats	0.48	2.94	135.08	(0.08)	15	(0.06)
LT Cat V - Irrigation and Agriculture	278.40	1,717.50	135.08	(32.09)	5,938	(0.05)
LT Cat VI - Local Bodies, St. Lighting & PWS	20.17	124.41	135.08	(2.61)	403	(0.06)
LT Cat VII - General Purpose	2.45	15.13	135.08	(0.30)	49	(0.06)
LT Cat VIII – Temporary	0.45	2.78	135.08	(0.05)	9	(0.05)
HT						
HT Cat I - Industry - General (11 kV)	69.01	596.79	96.36	(9.17)	2,044	(0.04)
HT Cat I - Industry - General (33 kV)	23.50	573.66	34.14	(10.98)	2,534	(0.04)
HT Cat I - Industry - General (220/132 kV)	0.00		0.00	(7.15)	1,661	(0.04)
HT Cat II - Industry - Other (11 kV)	30.20	261.15	96.36	(3.28)	714	(0.05)
HT Cat II - Industry - Other (33 kV)	3.99	97.42	34.14	(0.95)	219	(0.04)
HT Cat II - Industry - Other (220/132 kV)	0.00		0.00	(0.16)	37	(0.04)
HT Cat IV - Irrigation & Agriculture (11 kV)	1.32	11.42	96.36	(0.21)	42	(0.05)
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	(0.93)	214	(0.04)
HT Cat V - Railway Traction (EHT)	0.00		0.00	(0.39)	89	(0.04)
HT Cat VI - Colony Consumption	1.76	15.23	96.36	(0.31)	67	(0.05)
HT Rural Co-operatives (11 kV)	0.00	0.00	0.00	0.00	0	0.00
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	(0.00)	0	0.00
HT Temporary	0.00	0.00	0.00	0.00	0	0.00
Open Access - 33 kV	0.00	0.00	0.00	0.00	0	0.00
Open Access - 11 kV	0.00	0.00	0.00	0.00	0	0.00
TOTAL	687.17	4,994.27	114.66	(102.11)	20,003	(0.05)

CPDCL	Cost Allocation (Rs. Crores)				Cost Allocation (Rs. Crores)		Total Cost	Sales	Per unit Cost
	Demand - G	Demand - T	Demand - D	Energy	Demand	Energy			
LT	Rs. Crores				Rs. Crores		Rs. Crores	MUs	Rs/Unit
LT Cat I - Domestic	556.65	71.9	166.46	514.55	795.01	514.55	1,309.56	3,694.12	3.54
LT Cat II - Non-domestic	163.48	22.55	52.56	160.93	238.59	160.93	399.51	1,161.56	3.44
LT Cat III (A & B) - Industrial	107.92	15.66	36.42	154.45	160	154.45	314.45	1,113.05	2.83
LT Cat IV - Cottage Industries & Dhobighats	1.33	0.21	0.48	2.03	2.01	2.03	4.04	14.54	2.78
LT Cat V - Irrigation and Agriculture	93.7	114.66	278.4	795.88	486.76	795.88	1,282.64	5,938.00	2.16
LT Cat VI - Local Bodies, St. Lighting & PWS	69.01	10.34	20.17	64.68	99.52	64.68	164.2	403	4.07
LT Cat VII - General Purpose	7.59	1.18	2.45	7.45	11.22	7.45	18.67	49	3.81
LT Cat VIII - Temporary	1.24	0.19	0.45	1.22	1.88	1.22	3.09	9	3.44
HT									
HT Cat I - Industry - General (11 kV)	148.15	45.26	69.01	227.35	262.41	227.35	489.76	2,043.87	2.4
HT Cat I - Industry - General (33 kV)	176.39	43.5	23.5	272.17	243.4	272.17	515.56	2,534.27	2.03
HT Cat I - Industry - General (220/132 kV)	108.44	21.28	0	177.41	129.72	177.41	307.12	1,661.30	1.85
HT Cat II - Industry - Other (11 kV)	98.63	19.8	30.2	81.27	148.63	81.27	229.9	713.69	3.22
HT Cat II - Industry - Other (33 kV)	27.82	7.39	3.99	23.48	39.2	23.48	62.68	218.65	2.87
HT Cat II - Industry - Other (220/132 kV)	3.85	0.72	0	3.91	4.57	3.91	8.48	36.64	2.31
HT Cat IV - Irrigation & Agriculture (11 kV)	2.14	0.84	1.32	5.13	4.3	5.13	9.43	42.04	2.24
HT Cat IV - Irrigation & Agriculture (33 kV)	0	0	0	23	0	23	23	214.16	1.07
HT Cat V - Railway Traction (EHT)	10.01	1.97	0	9.55	11.98	9.55	21.53	89.46	2.41
HT Cat VI - Colony Consumption	8.03	1.13	1.76	7.65	10.92	7.65	18.58	66.68	2.79
HT Rural Co-operatives (11 kV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 11 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	1,584.38	378.57	687.17	2,532.10	2,650.12	2,532.10	5,182.21	20,003.02	2.59

ANNEXURE - I (ii)
COST TO SERVICE MODEL
(Reference: Para graph 251 of the Order)

COST ALLOCATION (NET)

EPDCL	Generation					
	Demand			Energy		
LT	Cost (Rs. Crs.)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs. Crs.)	Recovery Basis - Energy Sales (MU)	CoS - Rs/kWh
LT Cat I - Domestic	275.28	632.47	362.70	289.20	2,155.45	1.34
LT Cat II - Non-domestic	53.10	125.15	353.58	58.17	432.37	1.35
LT Cat III (A & B) - Industrial	33.50	89.77	310.99	53.60	391.92	1.37
LT Cat IV - Cottage Industries & Dhobighats	0.12	0.33	310.11	0.19	1.48	1.31
LT Cat V - Irrigation and Agriculture	19.85	417.36	39.64	175.17	1,259.68	1.39
LT Cat VI - Local Bodies, St. Lighting & PWS	25.79	65.27	329.22	24.42	181.41	1.35
LT Cat VII - General Purpose	3.82	10.41	305.90	3.91	29.00	1.35
LT Cat VIII - Temporary	0.00	0.00	0.00	0.00	0.00	0.00
HT						
HT Cat I - Industry - General (11 kV)	46.34	179.43	215.24	81.87	733.45	1.12
HT Cat I - Industry - General (33 kV)	18.62	56.41	275.04	33.50	305.23	1.10
HT Cat I - Industry - General (220/132 kV)	75.69	246.02	256.36	144.31	1,317.94	1.09
HT Cat II - Industry - Other (11 kV)	14.86	54.55	227.04	16.03	143.40	1.12
HT Cat II - Industry - Other (33 kV)	3.17	21.27	124.16	4.70	42.78	1.10
HT Cat II - Industry - Other (220/132 kV)	1.07	8.04	111.36	1.47	13.49	1.09
HT Cat IV - Irrigation & Agriculture (11 kV)	0.77	5.05	127.28	1.93	17.35	1.11
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	8.12	74.23	1.09
HT Cat V - Railway Traction (EHT)	47.35	70.25	561.72	50.71	462.13	1.10
HT Cat VI - Colony Consumption	2.28	7.94	239.22	2.50	22.09	1.13
HT Rural Co-operatives (11 kV)	7.69	29.08	220.41	16.92	152.00	1.11
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 33 kV						
Open Access - 11 kV						
TOTAL	629.31	2,018.80	259.77	966.73	7,735.40	1.25

EPDCL	ULDC and PGCIL - Inter-State Demand			Transmission - Intra-State Demand		
	LT	Cost (Rs. Crs.)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs. Crs.)	Rate Basis - Contracts/NCP G-T interface (MW)
LT Cat I - Domestic	11.99	632.47	15.80	34.77	632.47	45.81
LT Cat II - Non-domestic	2.37	125.15	15.80	6.88	125.15	45.81
LT Cat III (A & B) - Industrial	1.70	89.77	15.80	4.93	89.77	45.81
LT Cat IV - Cottage Industries & Dhobighats	0.01	0.33	15.80	0.02	0.33	45.81
LT Cat V - Irrigation and Agriculture	7.91	417.36	15.80	22.94	417.36	45.81
LT Cat VI - Local Bodies, St. Lighting & PWS	1.24	65.27	15.80	3.59	65.27	45.81
LT Cat VII - General Purpose	0.20	10.41	15.80	0.57	10.41	45.81
LT Cat VIII - Temporary	0.00	0.00	0.00	0.00	0.00	0.00
HT						
HT Cat I - Industry - General (11 kV)	3.45	179.43	16.03	10.01	179.43	46.48
HT Cat I - Industry - General (33 kV)	1.09	56.41	16.03	3.15	56.41	46.48
HT Cat I - Industry - General (220/132 kV)	4.73	246.02	16.03	13.72	246.02	46.48
HT Cat II - Industry - Other (11 kV)	1.05	54.55	16.03	3.04	54.55	46.48
HT Cat II - Industry - Other (33 kV)	0.41	21.27	16.03	1.19	21.27	46.48
HT Cat II - Industry - Other (220/132 kV)	0.15	8.04	16.03	0.45	8.04	46.48
HT Cat IV - Irrigation & Agriculture (11 kV)	0.10	5.05	15.80	0.28	5.05	45.81
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Cat V - Railway Traction (EHT)	1.35	70.25	16.03	3.92	70.25	46.48
HT Cat VI - Colony Consumption	0.15	7.94	16.03	0.44	7.94	46.48
HT Rural Co-operatives (11 kV)	0.55	29.08	15.80	1.60	29.08	45.81
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 33 kV						
Open Access - 11 kV						
TOTAL	38.45	2,018.80	15.87	111.50	2,018.80	46.02

EPDCL	Distribution			Retail Supply		
	Demand			Energy		
LT	Cost (Rs. Crs.)	Rate Basis - Contracts/NCP T-D interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs. Crs.)	Rate Basis - Energy Sales (MU)	CoS - Rs/kWh
LT Cat I - Domestic	162.78	586.06	231.46	(0.50)	2,155	(0.00)
LT Cat II - Non-domestic	31.83	114.59	231.46	(0.10)	432	(0.00)
LT Cat III (A & B) - Industrial	22.83	82.18	231.46	(0.09)	392	(0.00)
LT Cat IV - Cottage Industries & Dhobighats	0.09	0.31	231.46	(0.00)	1	(0.00)
LT Cat V - Irrigation and Agriculture	107.45	386.83	231.46	(0.30)	1,260	(0.00)
LT Cat VI - Local Bodies, St. Lighting & PWS	15.48	55.74	231.46	(0.04)	181	(0.00)
LT Cat VII - General Purpose	2.47	8.91	231.46	(0.01)	29	(0.00)
LT Cat VIII - Temporary	0.00	0.00	0.00	0.00	0	0.00
HT						
HT Cat I - Industry - General (11 kV)	12.40	179.43	57.59	(0.14)	733	(0.00)
HT Cat I - Industry - General (33 kV)	0.78	56.41	11.51	(0.06)	305	(0.00)
HT Cat I - Industry - General (220/132 kV)	0.00		0.00	(0.25)	1,318	(0.00)
HT Cat II - Industry - Other (11 kV)	3.77	54.55	57.59	(0.03)	143	(0.00)
HT Cat II - Industry - Other (33 kV)	0.29	21.27	11.51	(0.01)	43	(0.00)
HT Cat II - Industry - Other (220/132 kV)	0.00		0.00	(0.00)	13	(0.00)
HT Cat IV - Irrigation & Agriculture (11 kV)	0.31	4.55	57.59	(0.00)	17	(0.00)
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	(0.01)	74	(0.00)
HT Cat V - Railway Traction (EHT)	0.00		0.00	(0.09)	462	(0.00)
HT Cat VI - Colony Consumption	0.56	8.07	57.59	(0.00)	22	(0.00)
HT Rural Co-operatives (11 kV)	1.96	28.35	57.59	(0.03)	152	(0.00)
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0	0.00
HT Temporary	0.00	0.00	0.00	0.00	0	0.00
Open Access - 33 kV	0.00	0.00	0.00			
Open Access - 11 kV	0.00	0.00	0.00			
TOTAL	363.00	1,587.27	190.58	(1.66)	7,735	(0.00)

EPDCL	Cost Allocation (Rs. Crores)				Cost Allocation (Rs Cr.)		Total Cost	Sales	Per unit Cost
	Demand - G	Demand - T	Demand - D	Energy	Demand	Energy			Total
LT	Rs. Crores				Rs. Crores		Rs. Crores	MUs	Rs/Unit
LT Cat I - Domestic	275.28	46.76	162.78	288.71	484.82	288.71	773.52	2,155.45	3.59
LT Cat II - Non-domestic	53.1	9.25	31.83	58.07	94.18	58.07	152.25	432.37	3.52
LT Cat III (A & B) - Industrial	33.5	6.64	22.83	53.51	62.96	53.51	116.48	391.92	2.97
LT Cat IV - Cottage Industries & Dhobighats	0.12	0.02	0.09	0.19	0.23	0.19	0.43	1.48	2.87
LT Cat V - Irrigation and Agriculture	19.85	30.85	107.45	174.87	158.15	174.87	333.02	1,259.68	2.64
LT Cat VI - Local Bodies, St. Lighting & PWS	25.79	4.83	15.48	24.38	46.09	24.38	70.47	181.41	3.88
LT Cat VII - General Purpose	3.82	0.77	2.47	3.91	7.06	3.91	10.97	29	3.78
LT Cat VIII - Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT									
HT Cat I - Industry - General (11 kV)	46.34	13.46	12.4	81.73	72.2	81.73	153.94	733.45	2.1
HT Cat I - Industry - General (33 kV)	18.62	4.23	0.78	33.44	23.63	33.44	57.07	305.23	1.87
HT Cat I - Industry - General (220/132 kV)	75.69	18.46	0.00	144.07	94.14	144.07	238.21	1,317.94	1.81
HT Cat II - Industry - Other (11 kV)	14.86	4.09	3.77	16	22.73	16	38.72	143.4	2.7
HT Cat II - Industry - Other (33 kV)	3.17	1.6	0.29	4.69	5.06	4.69	9.75	42.78	2.28
HT Cat II - Industry - Other (220/132 kV)	1.07	0.6	0.00	1.47	1.68	1.47	3.15	13.49	2.33
HT Cat IV - Irrigation & Agriculture (11 kV)	0.77	0.37	0.31	1.93	1.46	1.93	3.39	17.35	1.95
HT Cat IV - Irrigation & Agriculture (33 kV)	0	0	0	8.1	0	8.1	8.1	74.23	1.09
HT Cat V - Railway Traction (EHT)	47.35	5.27	0	50.62	52.62	50.62	103.24	462.13	2.23
HT Cat VI - Colony Consumption	2.28	0.6	0.56	2.5	3.43	2.5	5.93	22.09	2.69
HT Rural Co-operatives (11 kV)	7.69	2.15	1.96	16.89	11.8	16.89	28.69	152	1.89
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 11 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	629.31	149.94	363	965.07	1,142.25	965.07	2,107.33	7,735.40	2.72

ANNEXURE - I (iii)
COST TO SERVICE MODEL
(Reference: Para graph 251 of the Order)

COST ALLOCATION (NET)

NPDCL	Generation					
	Demand			Energy		
LT	Cost (Rs. Crores)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs. Crores)	Recovery Basis - Energy Sales (MU)	CoS - Rs/kWh
LT Cat I - Domestic	225.85	396.92	474.18	176.51	1,385.33	1.27
LT Cat II - Non-domestic	50.04	91.35	456.50	34.35	262.22	1.31
LT Cat III (A & B) - Industrial	33.29	64.46	430.42	35.41	271.48	1.30
LT Cat IV - Cottage Industries & Dhobighats	0.73	1.27	482.65	0.70	5.39	1.30
LT Cat V - Irrigation and Agriculture	57.75	939.81	51.20	355.76	2,909.06	1.22
LT Cat VI - Local Bodies, St. Lighting & PWS	47.22	95.65	411.37	36.42	269.92	1.35
LT Cat VII - General Purpose	2.98	6.31	393.41	2.41	18.00	1.34
LT Cat VIII - Temporary	0.02	0.05	411.77	0.02	0.15	1.27
HT						
HT Cat I - Industry - General (11 kV)	13.89	48.59	238.17	16.83	159.62	1.05
HT Cat I - Industry - General (33 kV)	7.34	19.58	312.34	8.75	86.84	1.01
HT Cat I - Industry - General (220/132 kV)	44.84	136.28	274.21	60.12	599.91	1.00
HT Cat II - Industry - Other (11 kV)	8.69	16.91	428.09	5.40	52.12	1.04
HT Cat II - Industry - Other (33 kV)	0.08	0.22	289.33	0.06	0.61	1.01
HT Cat II - Industry - Other (220/132 kV)	0.32	8.00	33.05	0.24	2.40	1.00
HT Cat IV - Irrigation & Agriculture (11 kV)	8.31	40.52	170.92	15.03	144.33	1.04
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	7.53	74.67	1.01
HT Cat V - Railway Traction (EHT)	46.51	77.00	503.32	33.31	332.40	1.00
HT Cat VI - Colony Consumption	18.60	37.61	412.14	14.68	141.06	1.04
HT Rural Co-operatives (11 kV)	32.45	74.82	361.47	41.84	406.46	1.03
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 33 kV						
Open Access - 11 kV						
TOTAL	598.91	2,055.34	242.83	845.38	7,121.97	1.19

NPDCL	Transmission - Inter-State			Transmission - Intra-State		
	Demand			Demand		
LT	Cost (Rs. Crores)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs. Crores)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month
LT Cat I - Domestic	7.43	396.92	15.61	20.68	396.92	43.41
LT Cat II - Non-domestic	1.71	91.35	15.61	4.76	91.35	43.41
LT Cat III (A & B) - Industrial	1.21	64.46	15.61	3.36	64.46	43.41
LT Cat IV - Cottage Industries & Dhobighats	0.02	1.27	15.61	0.07	1.27	43.41
LT Cat V - Irrigation and Agriculture	17.60	939.81	15.61	48.96	939.81	43.41
LT Cat VI - Local Bodies, St. Lighting & PWS	1.79	95.65	15.61	4.98	95.65	43.41
LT Cat VII - General Purpose	0.12	6.31	15.61	0.33	6.31	43.41
LT Cat VIII - Temporary	0.00	0.05	15.61	0.00	0.05	43.41
HT						
HT Cat I - Industry - General (11 kV)	0.97	48.59	16.71	2.71	48.59	46.48
HT Cat I - Industry - General (33 kV)	0.39	19.58	16.71	1.09	19.58	46.48
HT Cat I - Industry - General (220/132 kV)	2.73	136.28	16.71	7.60	136.28	46.48
HT Cat II - Industry - Other (11 kV)	0.34	16.91	16.71	0.94	16.91	46.48
HT Cat II - Industry - Other (33 kV)	0.00	0.22	16.71	0.01	0.22	46.48
HT Cat II - Industry - Other (220/132 kV)	0.16	8.00	16.71	0.45	8.00	46.48
HT Cat IV - Irrigation & Agriculture (11 kV)	0.76	40.52	15.61	2.11	40.52	43.41
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Cat V - Railway Traction (EHT)	1.54	77.00	16.71	4.30	77.00	46.48
HT Cat VI - Colony Consumption	0.75	37.61	16.71	2.10	37.61	46.48
HT Rural Co-operatives (11 kV)	1.40	74.82	15.61	3.90	74.82	43.41
HT Rural Co-operatives (33 kV)	0.00	0.00	15.61	0.00	0.00	43.41
HT Temporary	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 33 kV						
Open Access - 11 kV						
TOTAL	38.95	2,055.34	15.79	108.33	2,055.34	43.92

NPDCL	Distribution			Retail Supply		
	Demand			Energy		
LT	Cost (Rs Crores)	Rate Basis - Contracts/NCP T-D interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Crores)	Rate Basis - Energy Sales (MU)	CoS - Rs/kVA/ Month
LT Cat I - Domestic	87.13	370.60	195.92	(2.82)	1,385	(0.02)
LT Cat II - Non-domestic	19.30	82.07	195.92	(0.55)	262	(0.02)
LT Cat III (A & B) - Industrial	13.69	58.24	195.92	(0.57)	271	(0.02)
LT Cat IV - Cottage Industries & Dhobighats	0.27	1.16	195.92	(0.01)	5	(0.02)
LT Cat V - Irrigation and Agriculture	218.58	929.70	195.92	(5.68)	2,909	(0.02)
LT Cat VI - Local Bodies, St. Lighting & PWS	19.39	82.49	195.92	(0.58)	270	(0.02)
LT Cat VII - General Purpose	1.29	5.50	195.92	(0.04)	18	(0.02)
LT Cat VIII - Temporary	0.01	0.05	195.92	(0.00)	0	(0.02)
HT						
HT Cat I - Industry - General (11 kV)	5.16	48.59	88.56	(0.27)	160	(0.02)
HT Cat I - Industry - General (33 kV)	0.57	19.58	24.17	(0.14)	87	(0.02)
HT Cat I - Industry - General (220/132 kV)	0.00		0.00	(0.96)	600	(0.02)
HT Cat II - Industry - Other (11 kV)	1.80	16.91	88.56	(0.09)	52	(0.02)
HT Cat II - Industry - Other (33 kV)	0.01	0.22	24.17	(0.00)	1	(0.02)
HT Cat II - Industry - Other (220/132 kV)	0.00		0.00	(0.00)	2	(0.02)
HT Cat IV - Irrigation & Agriculture (11 kV)	4.16	39.12	88.56	(0.24)	144	(0.02)
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	(0.12)	75	(0.02)
HT Cat V - Railway Traction (EHT)	0.00		0.00	(0.53)	332	(0.02)
HT Cat VI - Colony Consumption	4.05	38.12	88.56	(0.23)	141	(0.02)
HT Rural Co-operatives (11 kV)	7.80	73.43	88.56	(0.67)	406	(0.02)
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	(0.00)	0	0.00
HT Temporary	0.00	0.00	0.00	0.00	0	0.00
Open Access - 33 kV	0.00	0.00	0.00			
Open Access - 11 kV	0.00	0.00	0.00			
TOTAL	383.21	1,765.80	180.85	(13.49)	7,122	(0.02)

NPDCL	Cost Allocation (Rs Crores)				Cost Allocation (Rs Cr.)		Total Cost	Sales	Per unit Cost
	Demand - G	Demand - T	Demand - D	Energy	Demand	Energy			Total
LT	Rs. Crores				Rs. Crores		Rs. Crores	MUs	Rs/Unit
LT Cat I - Domestic	225.85	28.11	87.13	173.69	341.09	173.69	514.78	1385.33	3.72
LT Cat II - Non-domestic	50.04	6.47	19.30	33.80	75.81	33.80	109.61	262.22	4.18
LT Cat III (A & B) - Industrial	33.29	4.56	13.69	34.85	51.55	34.85	86.40	271.48	3.18
LT Cat IV - Cottage Industries & Dhobighats	0.73	0.09	0.27	0.69	1.09	0.69	1.78	5.39	3.31
LT Cat V - Irrigation and Agriculture	57.75	66.56	218.58	350.09	342.88	350.09	692.97	2909.06	2.38
LT Cat VI - Local Bodies, St. Lighting & PWS	47.22	6.77	19.39	35.84	73.39	35.84	109.23	269.92	4.05
LT Cat VII - General Purpose	2.98	0.45	1.29	2.37	4.72	2.37	7.09	18.00	3.94
LT Cat VIII - Temporary	0.02	0.00	0.01	0.02	0.04	0.02	0.06	0.15	3.82
HT									
HT Cat I - Industry - General (11 kV)	13.89	3.69	5.16	16.56	22.74	16.56	39.30	159.62	2.46
HT Cat I - Industry - General (33 kV)	7.34	1.49	0.57	8.61	9.39	8.61	18.01	86.84	2.07
HT Cat I - Industry - General (220/132 kV)	44.84	10.33	0.00	59.16	55.18	59.16	114.34	599.91	1.91
HT Cat II - Industry - Other (11 kV)	8.69	1.28	1.80	5.32	11.77	5.32	17.08	52.12	3.28
HT Cat II - Industry - Other (33 kV)	0.08	0.02	0.01	0.06	0.10	0.06	0.16	0.61	2.67
HT Cat II - Industry - Other (220/132 kV)	0.32	0.61	0.00	0.24	0.92	0.24	1.16	2.40	4.84
HT Cat IV - Irrigation & Agriculture (11 kV)	8.31	2.87	4.16	14.79	15.34	14.79	30.13	144.33	2.09
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	7.41	0.00	7.41	7.41	74.67	0.99
HT Cat V - Railway Traction (EHT)	46.51	5.84	0.00	32.78	52.35	32.78	85.13	332.40	2.56
HT Cat VI - Colony Consumption	18.60	2.85	4.05	14.45	25.50	14.45	39.95	141.06	2.83
HT Rural Co-operatives (11 kV)	32.45	5.30	7.80	41.17	45.56	41.17	86.73	406.46	2.13
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 11 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	598.91	147.29	383.21	831.89	1129.40	831.89	1961.29	7121.97	2.75

ANNEXURE - I (iv)
COST TO SERVICE MODEL
(Reference: Paragraph 251 of the Order)

COST ALLOCATION (NET)

SPDCL	Generation					
	Demand			Energy		
LT	Cost (Rs. Crores)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs. Crores)	Recovery Basis - Energy Sales (MU)	CoS - Rs/kWh
LT Cat I - Domestic	329.93	808.48	340.07	405.17	2,824.17	1.43
LT Cat II - Non-domestic	73.72	174.43	352.22	81.75	571.61	1.43
LT Cat III (A & B) - Industrial	61.16	159.35	319.81	103.88	717.78	1.45
LT Cat IV - Cottage Industries & Dhobighats	2.24	5.93	315.22	3.85	26.48	1.46
LT Cat V - Irrigation and Agriculture	61.73	1,104.32	46.58	476.75	3,291.06	1.45
LT Cat VI - Local Bodies, St. Lighting & PWS	46.25	121.52	317.13	54.29	378.45	1.43
LT Cat VII - General Purpose	4.55	12.51	302.83	5.59	39.00	1.43
LT Cat VIII - Temporary	0.22	0.59	314.67	0.27	1.92	1.39
HT						
HT Cat I - Industry - General (11 kV)	52.99	185.59	237.96	94.67	793.33	1.19
HT Cat I - Industry - General (33 kV)	37.66	108.88	288.24	67.79	575.10	1.18
HT Cat I - Industry - General (220/132 kV)	28.36	85.04	277.89	56.11	477.18	1.18
HT Cat II - Industry - Other (11 kV)	22.52	62.46	300.50	23.63	198.10	1.19
HT Cat II - Industry - Other (33 kV)	0.95	3.08	257.07	1.10	9.42	1.17
HT Cat II - Industry - Other (220/132 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Cat IV - Irrigation & Agriculture (11 kV)	2.17	13.74	131.50	6.00	50.21	1.19
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	6.23	53.19	1.17
HT Cat V - Railway Traction (EHT)	46.77	141.16	276.10	56.48	478.40	1.18
HT Cat VI - Colony Consumption	6.60	13.51	407.18	8.31	69.30	1.20
HT Rural Co-operatives (11 kV)	10.69	46.66	190.86	23.26	195.43	1.19
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	0.01	0.02	318.29	0.01	0.13	1.19
Open Access - 33 kV						
Open Access - 11 kV						
TOTAL	788.51	3,047.26	215.63	1,475.15	10,750.27	1.37

SPDCL	Transmission - Inter-State			Transmission - Intra-State		
	Demand			Demand		
LT	Cost (Rs Crores)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Crores)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month
LT Cat I - Domestic	13.54	808.48	13.96	38.61	808.48	39.80
LT Cat II - Non-domestic	2.92	174.43	13.96	8.33	174.43	39.80
LT Cat III (A & B) - Industrial	2.67	159.35	13.96	7.61	159.35	39.80
LT Cat IV - Cottage Industries & Dhobighats	0.10	5.93	13.96	0.28	5.93	39.80
LT Cat V - Irrigation and Agriculture	18.49	1,104.32	13.96	52.75	1,104.32	39.80
LT Cat VI - Local Bodies, St. Lighting & PWS	2.04	121.52	13.96	5.80	121.52	39.80
LT Cat VII - General Purpose	0.21	12.51	13.96	0.60	12.51	39.80
LT Cat VIII - Temporary	0.01	0.59	13.96	0.03	0.59	39.80
HT						
HT Cat I - Industry - General (11 kV)	3.63	185.59	16.30	10.35	185.59	46.48
HT Cat I - Industry - General (33 kV)	2.13	108.88	16.30	6.07	108.88	46.48
HT Cat I - Industry - General (220/132 kV)	1.66	85.04	16.30	4.74	85.04	46.48
HT Cat II - Industry - Other (11 kV)	1.22	62.46	16.30	3.48	62.46	46.48
HT Cat II - Industry - Other (33 kV)	0.06	3.08	16.30	0.17	3.08	46.48
HT Cat II - Industry - Other (220/132 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Cat IV - Irrigation & Agriculture (11 kV)	0.23	13.74	13.96	0.66	13.74	39.80
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Cat V - Railway Traction (EHT)	2.76	141.16	16.30	7.87	141.16	46.48
HT Cat VI - Colony Consumption	0.26	13.51	16.30	0.75	13.51	46.48
HT Rural Co-operatives (11 kV)	0.78	46.66	13.96	2.23	46.66	39.80
HT Rural Co-operatives (33 kV)	0.00	0.00	13.96	0.00	0.00	39.80
HT Temporary	0.00	0.02	13.96	0.00	0.02	39.80
Open Access - 33 kV						
Open Access - 11 kV						
TOTAL	52.72	3,047.26	14.42	150.35	3,047.26	41.12

SPDCL	Distribution			Retail Supply		
	Demand			Energy		
LT	Cost (Rs. Crores)	Rate Basis - Contracts/NCP T-D interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs. Crores)	Rate Basis - Energy Sales (MU)	CoS - Rs/kVA/ Month
LT Cat I - Domestic	143.87	776.15	154.47	(7.55)	2,824	(0.03)
LT Cat II - Non-domestic	31.24	168.53	154.47	(1.52)	572	(0.03)
LT Cat III (A & B) - Industrial	27.61	148.92	154.47	(1.93)	718	(0.03)
LT Cat IV - Cottage Industries & Dhobighats	1.02	5.49	154.47	(0.07)	26	(0.03)
LT Cat V - Irrigation and Agriculture	195.70	1,055.74	154.47	(8.88)	3,291	(0.03)
LT Cat VI - Local Bodies, St. Lighting & PWS	21.73	117.23	154.47	(1.01)	378	(0.03)
LT Cat VII - General Purpose	2.24	12.08	154.47	(0.10)	39	(0.03)
LT Cat VIII - Temporary	0.11	0.59	154.47	(0.00)	2	(0.03)
HT						
HT Cat I - Industry - General (11 kV)	24.70	185.59	110.92	(1.76)	793	(0.02)
HT Cat I - Industry - General (33 kV)	3.30	108.88	25.27	(1.26)	575	(0.02)
HT Cat I - Industry - General (220/132 kV)	0.00		0.00	(1.04)	477	(0.02)
HT Cat II - Industry - Other (11 kV)	8.31	62.46	110.92	(0.44)	198	(0.02)
HT Cat II - Industry - Other (33 kV)	0.09	3.08	25.27	(0.02)	9	(0.02)
HT Cat II - Industry - Other (220/132 kV)	0.00		0.00	0.00	0	0.00
HT Cat IV - Irrigation & Agriculture (11 kV)	1.81	13.62	110.92	(0.11)	50	(0.02)
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	(0.12)	53	(0.02)
HT Cat V - Railway Traction (EHT)	0.00		0.00	(1.05)	478	(0.02)
HT Cat VI - Colony Consumption	1.82	13.71	110.92	(0.15)	69	(0.02)
HT Rural Co-operatives (11 kV)	6.17	46.39	110.92	(0.43)	195	(0.02)
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	(0.00)	0	0.00
HT Temporary	0.00	0.02	110.92	(0.00)	0	(0.02)
Open Access - 33 kV	0.00	0.00	0.00			
Open Access - 11 kV	0.00	0.00	0.00			
TOTAL	469.74	2,718.48	144.00	(27.47)	10,750	(0.03)

SPDCL	Cost Allocation (Rs. Crores)				Cost Allocation (Rs. Cr.)		Total Cost	Sales	Per unit Cost
	Demand - G	Demand - T	Demand - D	Energy	Demand	Energy			Total
LT	Rs. Crores				Rs. Crores		Rs. Crores	MUs	Rs/Unit
LT Cat I - Domestic	329.93	52.15	143.87	397.63	525.96	397.63	923.58	2,824.17	3.27
LT Cat II - Non-domestic	73.72	11.25	31.24	80.22	116.22	80.22	196.44	571.61	3.44
LT Cat III (A & B) - Industrial	61.16	10.28	27.61	101.95	99.04	101.95	200.99	717.78	2.8
LT Cat IV - Cottage Industries & Dhobighats	2.24	0.38	1.02	3.78	3.64	3.78	7.43	26.48	2.8
LT Cat V - Irrigation and Agriculture	61.73	71.24	195.7	467.87	328.67	467.87	796.54	3,291.06	2.42
LT Cat VI - Local Bodies, St. Lighting & PWS	46.25	7.84	21.73	53.28	75.82	53.28	129.09	378.45	3.41
LT Cat VII - General Purpose	4.55	0.81	2.24	5.48	7.59	5.48	13.08	39	3.35
LT Cat VIII - Temporary	0.22	0.04	0.11	0.26	0.37	0.26	0.63	1.92	3.3
HT									
HT Cat I - Industry - General (11 kV)	52.99	13.98	24.7	92.9	91.68	92.9	184.58	793.33	2.33
HT Cat I - Industry - General (33 kV)	37.66	8.2	3.3	66.53	49.17	66.53	115.7	575.1	2.01
HT Cat I - Industry - General (220/132 kV)	28.36	6.41	0	55.07	34.77	55.07	89.83	477.18	1.88
HT Cat II - Industry - Other (11 kV)	22.52	4.71	8.31	23.19	35.54	23.19	58.73	198.1	2.96
HT Cat II - Industry - Other (33 kV)	0.95	0.23	0.09	1.08	1.27	1.08	2.36	9.42	2.5
HT Cat II - Industry - Other (220/132 kV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Cat IV - Irrigation & Agriculture (11 kV)	2.17	0.89	1.81	5.89	4.87	5.89	10.75	50.21	2.14
HT Cat IV - Irrigation & Agriculture (33 kV)	0.00	0.00	0.00	6.12	0.00	6.12	6.12	53.19	1.15
HT Cat V - Railway Traction (EHT)	46.77	10.63	0.00	55.43	57.4	55.43	112.83	478.4	2.36
HT Cat VI - Colony Consumption	6.6	1.02	1.82	8.15	9.44	8.15	17.6	69.3	2.54
HT Rural Co-operatives (11 kV)	10.69	3.01	6.17	22.83	19.87	22.83	42.7	195.43	2.19
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	0.01	0.00	0.00	0.01	0.01	0.01	0.03	0.13	2.17
Open Access - 33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 11 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	788.51	203.07	469.74	1,447.68	1,461.32	1,447.68	2,909.01	10,750.27	2.71

ANNEXURE - J
(Reference Paragraphs 14 and 154 of the order)

List of Objectors on filings of DISCOMs

Sl.No.	Name & Address of the Objectors	DISCOM	Whether wanted to be heard in person
1	Sri K.Veerappa, President, Water Consumers Association, Bangarupalyam Mandal.	SPDCL	Yes
2	Sri A.Praveen, Kothagudem, Khammam District	NPDCL	No
3	Sri V.S.Sastry, Proddutur, Kadapa District	SPDCL	No
4	Sri D.V.Lakshminarayana, Vice President, Consumers Help & Welfare Centre, Guntur	SPDCL	Yes
5	Sri Ch.Subramanya Sastry, Guntur	SPDCL	Yes
6	Municipal Commissioner, Palvancha Municipality,	NPDCL	No
7	Sri Rajeev Puri, Nizamabad	NPDCL	No
8	Chief General Manager (E&M), The Singareni Collieries Co. Ltd., Kothagudem	NPDCL	No
9	Sri P.Govindarajulu, President Srikakulam Vayodhikula Sangham,	EPDCL	No
10	Sri Aravindsood, Director, M/s P R Rolling Mills Pvt.Ltd., Tirupati.	SPDCL	No
11	Sri S.Prakash, Hyderabad	CPDCL	No
12	Sri Vanama Venkateshwara Rao, M.L.A.,Old Paloncha.	NPDCL	No
13	Sri D.Ramaswami Reddy, Retd. S.E. (APSEB), Kadapa	SPDCL	No
14	Sri P.Venkateswara Rao, Guntur	SPDCL	Yes
15	Sri M.Krishna Murthy, Retd. SAO, APSEB	All DISCOMs	Yes
16	Sri Ch.Raja Reddy, Ex.M.L.A., Janagaon, Warangal Dist.	NPDCL	Yes

Sl.No.	Name & Address of the Objectors	DISCOM	Whether wanted to be heard in person
17	Sri Padala Subba Reddy, President, Anaparthi Region Poultry Farmers' Welfare Society, E.G.Dist.	EPDCL	No
18	Sri Ch.Venkateswarlu, President AP Electricity Consumer's Forum, Vijayawada.	SPDCL	Yes
19	Sri Donga Nageswara Rao, Gangalakurthi Agraharam, E. G.Dist.	EPDCL	Yes
20	Sri K.Manmadhakumar, Gangalakurthi Agraharam, E.G.Dist.	EPDCL	Yes
21	Sri D.V.Giridhar, Balaram Sena Zilla President, Bandarulanka,E.G.Dist. ,	EPDCL	Yes
22	Sri U.Bhaskararao, Bharatiya Kissan Sang, Vice President of Coastal Districts, Bandarulanka, E.G. Dist.	EPDCL	Yes
23	Sri M.Jameel, Balaram Sena, President of Coastal Districts, Pothayilanka,E.G.Dist.	EPDCL	Yes
24	Sri Sarampalli Mallareddy, Secretary, A.P.Raithusangam,	All DISCOMs	Yes
25	Sri Kandarapu Murali, Secretary, CPI(M),Tirupati.	SPDCL	Yes
26	Sri S.Sekar, Indian Oil Corporation Ltd., Hyderabad.	CPDCL	Yes
27	Sri Yerneni Nagendranath, President, Raitu Samakhya, Krishna Dist.	EPDCL	Yes
28	Sri Medasani Vijaya Bhaskar, General Secretary,Bharatiya Kisan Sangh, Krishna Dist.	SPDCL	Yes
29	Sri G.Nadhamuninaidu, M.P.P. K.V.B.Puram Mandal, Srikalahasti.	SPDCL	Yes
30	Sri K.Vanadri Naidu, Surineni Palli,Chittoor Dist.	SPDCL	Yes
31	Sri S.Mohan Rao, President, Rytu Seva Samithi,Srikalahasti.	SPDCL	Yes

Sl.No.	Name & Address of the Objectors	DISCOM	Whether wanted to be heard in person
32	Sri Santharam J Pawar, Convenor, Rytu Seva Samithi, Srikalahasti.	SPDCL	Yes
33	Sri K.Madhavareddy, Chinakampally, Chittoor Dist.	SPDCL	Yes
34	Sri B.V.Chalamaiah, Advocate, Srikalahasti.	SPDCL	Yes
35	Sri Annapareddy Gopi Reddy, Anamanapudi, Krishna Dist.	SPDCL	No
36	Sri V.Balakrishna, Gudivada, Krishna District.	SPDCL	No
37	Sri K.Rajendra Reddy, President, Rashtriya Raithu Seva Samithi, P.Kothakota, Chittoor Dist.	SPDCL	Yes
38	Er.A.Punna Rao, F.I.E., Chartered Engineer, Vijayawada	All DISCOMs	Yes
39	Sri M.V.S.Nagi Reddy, Vice President, Rytanga Samakya, Eluru, W.G.Dist.	EPDCL	Yes
40	Sri M.R.Prasad, Secretary General, AP Ferro Alloys Producers' Association, Hyderabad.	CPDCL & EPDCL	No
41	Sri S.Ramakrishna, Tadepalligudem, W.G.Dist.	EPDCL	Yes
42	Sri K.Vijayakumar Reddy, Peddakannali, Chittoor Dist.	SPDCL	Yes
43	Sri T.Rajasekher, Gadwal, Mahabubnagar Dist.	CPDCL	No
44	Sri Pydikondala Manikyala Rao Tadepalligudem, W.G. Dist	EPDCL	Yes
45	Sri Kallam Singareddy, Kottapalem	SPDCL	Yes
46	Sri G.Rambabu, Poluru Post, Prakasam Dist.	SPDCL	Yes
47	Sri Ravi Ranganadha Babu, Devarapalli Post, Prakasam Dist.	SPDCL	Yes
48	Sri P.Venkateswara Rao Eluru, West Godavari Dist.	EPDCL	Yes
49	Sri R.P.Prajapati, South Central Railway, Secunderabad	CPDCL	Yes

Sl.No.	Name & Address of the Objectors	DISCOM	Whether wanted to be heard in person
50	Sri R.Kesavulu Naidu, Secretary Pakala Mandalam Rytu Seva Sangam, Pakala Post, Chittoor Dist.	SPDCL	No
51	Yellapu Suryanarayana, General Secretary, Bharatiya Kissan Sang, Siripuram, EG Dist.	EPDCL	Yes
52	Smt.Uma Shankari, Vallivedu Post, Chittoor District	SPDCL	Yes
53	Sri M.Ramachandraiah, Sri Sainath Rytu Mithra Group, Yadamvaripalli, Chittoor Dist.	SPDCL	Yes
54	Sri G.V.Jayachandra Choudary G.Gollapalli, Chittoor Dist.	SPDCL	Yes
55	Sri M.Sriramulu Reddy, Vice President, Chittoor Zilla Rytu Samakhya	SPDCL	Yes
56	Sri W.Rajanaidu, Secretary, Chittoor Zilla Rytu Samakhya	SPDCL	Yes
57	Sri Namburi Vijaya Narasimharaju, Pothumarru, Krishna Dist.	SPDCL	Yes
58	Sri K.Changal Reddy, Peddaramapuram, Chittoor Dist.	SPDCL	No
59	Sri G.Narendranath, EC Member, Rashtriya Raithu Seva Samithi, Venkatramapuram, Chittoor Dist.,	SPDCL	Yes
60	Sri Rachamalla Punnamacharyulu, Chief Convenor,Akilabharatiya Vishwakarma Parishat	All DISCOMs	Yes
61	Sri Rachamalla Punnamacharyulu, President, Engineering & Iron Works Association	All DISCOMs	Yes
62	Sri K.Raghu Hyderabad	All DISCOMs	Yes
63	Sri K.Siva Prasad, General Manager, Hindustan Zinc Ltd.	EPDCL	Yes
64	Sri. Ch. Venugopala Rao, Vice President, Federation of Farmers Associations	SPDCL	Yes
65	Sri Y.S.K.Krishna Rao & Others	SPDCL	No

Sl.No.	Name & Address of the Objectors	DISCOM	Whether wanted to be heard in person
66	Dr M.Timma Reddy, Convenor, Peoples Monitoring Group on Electricity Regulation	CPDCL	Yes
67	Sri S.Jeevankumar, Convenor, Human Rights Forum	CPDCL	Yes
68	Sri J.Surendra Reddy, President, Pakala Mandal Rytu Seva Sangam	SPDCL	Yes
69	Sri V.Narayanaswami Naidu Arasupalli, Chittoor Dist	SPDCL	Yes
70	Sri S.Eshwara Naidu, Palinenivaripalli, Chittoor Dist.	SPDCL	Yes
71	Sri N.Lakshminarayana Choudary, AP Sugar Producers Coordination Member, Pakala, Chittoor	SPDCL	Yes
72	Sri Devulapalli Venkateswara Rao, Advocate, Devulapally Sahitya Sadan, Matwada, Warangal.	NPDCL	No
73	Sri J.A.P.Sekhar, Fish Farmer, Nelakondapalli Post & Mandal, Khammam Dist.	NPDCL	Yes
74	Sri V.Srihari Naidu, Arasupalle, Chittoor Dist.	SPDCL	Yes
75	Sri Katuru Harikishore Kumar Reddy, Paturu Nellore Dist.	SPDCL	Yes
76	Sri Kommidi Narasimha Reddy, Ex-MLA, Convenor, Prajachaitanya Vedika	All DISCOMs	Yes
77	Sri B.V.Raghavulu, Secretary, AP State Committee, Communist Party of India (Marxist)	All DISCOMs	Yes
78	Sri M.Venugopal Rao, Special Correspondent, Prajasakti Telugu Daily	All DISCOMs	Yes
79	The Asst.General Manager, BSNL, Hyderabad.	CPDCL	Yes
80	The Chief Engineer (Commercial), AP Genco	All DISCOMs	Yes
81	Sri P. Madana Mohana Rao, CORE, Loksatta.	All DISCOMs	Yes
82	The Deputy Chief Electrical Engineer, East Coast Railway, Bhubaneswar.	EPDCL	No
83	Sri A.Sudhakara Rao, Secretary General, APSEB Engineers Association.	All DISCOMs	Yes

Sl.No.	Name & Address of the Objectors	DISCOM	Whether wanted to be heard in person
84	M/s Aurobindo Pharma Ltd., Ameerpet, Hyderabad.	EPDCL	No
85	Sri Povuri Sambhasiva Varaprasad, Konidena, Prakasam Dist.	SPDCL	Yes
86	Sri Ch.Divakar Babu, Secretary,Consumer's Guidance Society	All DISCOMs	Yes
87	Sri Sankara Reddy, Advocate, Chittoor.	SPDCL	Yes
88	Sri JVSr Sekhar Kumar, Indian Oil Corporation Ltd., Thimmapur, Mahaboobnagar Dist	CPDCL	No
89	Sri P.Rajeswara Reddy, Samyreddy palli, Chttoor Dist.	SPDCL	Yes
90	Sri A.Subramanyam, Town Secretary, Republican Party of India, Tirupathi	SPDCL	Yes
91	Ms.P.Bharathi, Eguvapalakuru, Chittoor Dist.	SPDCL	Yes
92	Sri. Ch. Venkateswarlu, President, AP Electricity Consumers Forum	NPDCL	Yes
93	Sri. K Nageswara Rao, Executive Secretary, Telugu Desam Party, Khammam	NPDCL	Yes
94	Municipal Commissioner, Nirmal Municipality.	NPDCL	Yes
95	Sri. Sidaiah Naidu, President, Chittoor District Rythu Samakya.	SPDCL	Yes

GLOSSARY

A.P.	Andhra Pradesh
APCPDCL/CPDCL	Central Power Distribution Company of Andhra Pradesh Limited
APDRP	Accerelated Power Development and Reform Programme
APEPDCL / EPDCL	Eastern Power Distribution Company of Andhra Pradesh Limited
APERC	Andhra Pradesh Electricity Regualatory Commission
APGENCO	Andhra Pradesh Power Generation Corporation Limited
APGPCL	Andhra Pradesh Gas Power Corporation Limited
APNPDCL/NPDCL	Northern Power Distribution Company of Andhra Pradesh Limited
APPCC	Andhra Pradesh Power Coordination Committee
APSPDCL/SPDCL	Southern Power Distribution Company of Andhra Pradesh Limited
ARR	Aggregate Revenue Requirement
ATE	Appellate Tribunal for Electricity
BSES	Bombay Suburban Electric Supply
C.C.	Current Consumption
CDM	Clean Development Mechanism
Central Act	Electricity Act 2003 (Act 36 of 2003)
CERC	Central Electricity Regualtory Commission
CGS	Central Generating Station
CMD .	Contracted Maximum Demand Also read as Chairman and Managing director according to the context.
COD	Commercial Operation Date
CoS	Cost of supply
DISCOMs	Distribution Companies
DSM	Demand Side Management
D-to-D	DISCOM to DISCOM
DTR	Distribution Transformer
DPE	Detection of pilferage of energy
e-filing	Electronic Filing
EHT	Extra High Tension
ERC	Expected revenue from Charges
ERO	Electricity Revenue Office

FCA	Fuel Cost Adjustment
FPT	Filing of Proposal of Tariff
FSA	Fuel Surcharge Adjustment
GHG	Green House Gas
GoAP	Government of Andhra Pradesh
Gol	Government of India
GTCS	General Terms and Conditions of Supply
HDPE	High Density Poly Ethelene
HP	Horse Power
HT	High Tension
HVDS	High Voltage Distribution System
INDIRAMMA	Integrated Novel Development in Rural Areas and Model Municipal Areas
IPPs	Independent Power Producers
ISI	Indian Standadrs institution (Present BIS)
kWh	Kilo-Watt hour
LT	Low Tension
LV	Low Voltage
MU	Million units
MW	Mega Watt(s)
MYT	Multi- year Tariff
NCE	Non-conventional Energy
O&M	Operations and Maintenace
O.P.	Original Petition
ONGC	Oil and Natural Gas Company Ltd
PABR	Penna Ahobilam Balancing Reservoir
PGCIL	Power Grid Corporation of India Limited
PLF	Plant Load Factor
PPA	Power Purchase Agreement
PTC	Power Trading Corporation
PWS Scheme	Protected Water Supply Scheme
RAC	Regulatory Affairs Cell
Reform Act	A.P. Electricity Reform Act 1998

RGVY	Rajiv Gandhi Grameen Vidhuteekaran Yojana
ROE	Return on Equity
RPPO	Renewable Power Purchase Obligation
RST	Retail Supply Tariff'
RTPP	Rayalaseema Thermal Power Project
SAC	State Advisory Committee
SI	System Improvement
SLDC	State Load Despatch Centre
SSLBPH/SLBH	Srisailam Left Bank Power House
T & D	Transmission and Distribution
TOD	Time-of-Day
ULDC	Unified Load Despatch Centre
W&RST	Wheeling and Retail Sale of Electricity
W.P.	Writ Petition

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