



TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
5th Floor, Singareni Bhavan, Red Hills, Hyderabad-500 004

I. A. No. 9 of 2017 in O. P. No. 16 of 2005,
I. A. No. 10 of 2017 in O. P. No. 13 of 2006,
I. A. No. 11 of 2017 in O. P. No. 5 of 2007,
I. A. No. 12 of 2017 in O. P. No. 73 of 2012,
I. A. No. 13 of 2017 in O. P. No. 74 of 2012,
I. A. No. 14 of 2017 in O. P. No. 75 of 2012,
I. A. No. 15 of 2017 in O. P. No. 76 of 2012,
I. A. No. 16 of 2017 in O. P. No. 77 of 2012,
O. P. No. 13 of 2017
&
O. P. No. 14 of 2017.

Dated .01.2018

Present

Sri. Ismail Ali Khan, Chairman
Sri. H. Srinivasulu, Member

I. A. No. 9 of 2017 in O. P. No. 16 of 2005

Between:

1. M/s. Southern Power Distribution Company of Telangana Limited.
 2. M/s. Northern Power Distribution Company of Telangana Limited. ... Applicants.
- And
- Nil - ... Respondent.

I. A. No. 10 of 2017 in O. P. No. 13 of 2006

Between:

1. M/s. Southern Power Distribution Company of Telangana Limited.
 2. M/s. Northern Power Distribution Company of Telangana Limited. ... Applicants.
- And
- Nil - ... Respondent.

I. A. No. 11 of 2017 in O. P. No. 5 of 2007

Between:

1. M/s. Southern Power Distribution Company of Telangana Limited.
 2. M/s. Northern Power Distribution Company of Telangana Limited. ... Applicants.
- And
- Nil - ... Respondent.

I. A. No. 12 of 2017 in O. P. No. 73 of 2012

Between:

1. M/s. Southern Power Distribution Company of Telangana Limited.
 2. M/s. Northern Power Distribution Company of Telangana Limited. ... Applicants.
- And
- Nil - ... Respondent.

I. A. No. 13 of 2017 in O. P. No. 74 of 2012

Between:

1. M/s. Southern Power Distribution Company of Telangana Limited.
 2. M/s. Northern Power Distribution Company of Telangana Limited. ... Applicants.
- And
- Nil - ... Respondent.

I. A. No. 14 of 2017 in O. P. No. 75 of 2012

Between:

1. M/s. Southern Power Distribution Company of Telangana Limited.
 2. M/s. Northern Power Distribution Company of Telangana Limited. ... Applicants.
- And
- Nil - ... Respondent.

I. A. No. 15 of 2017 in O. P. No. 76 of 2012

Between:

1. M/s. Southern Power Distribution Company of Telangana Limited.
 2. M/s. Northern Power Distribution Company of Telangana Limited. ... Applicants.
- And
- Nil - ... Respondent.

I. A. No. 16 of 2017 in O. P. No. 77 of 2012

Between:

1. M/s. Southern Power Distribution Company of Telangana Limited.
2. M/s. Northern Power Distribution Company of Telangana Limited. ... Applicants.
And
-Nil - ... Respondent.

O. P. No. 13 of 2017

Between:

1. M/s. Southern Power Distribution Company of Telangana Limited.
2. M/s. Northern Power Distribution Company of Telangana Limited. ... Petitioners.
And
-Nil - ... Respondent.

O. P. No. 14 of 2017

Between:

1. M/s. Southern Power Distribution Company of Telangana Limited.
2. M/s. Northern Power Distribution Company of Telangana Limited. ... Petitioners.
And
-Nil - ... Respondent.

These applications and petitions came up for hearing on 09.10.2017. Sri. G. Raghuma Reddy, Chairman & Managing Director representing TSSPDCL and Sri. A. Gopal Rao, Chairman & Managing Director representing TSNPDCL have appeared on behalf of the TSDISCOMs. They were supported by Sri. T. Srinivas, Director (Comml.) / TSSPDCL, Sri. T. Madhusudhan, Chief General Manager (IPC & RAC), Sri. U. Sriramulu, Chief General Manager (IPC & RAC), Sri. K. Satish Kumar, DE (IPC & RAC), Sri. S. Laxma Reddy, D.E. (RAC), Sri. C. Niranjan Reddy, ADE (RAC), Smt. M. Kiranmayee, AAO (IPC), Sri. K. Konda Reddy, AO (HT) and Sri. D. Mallikarjun, AO (RAC). The applications and petitions having stood for consideration to this day, the Commission passed the following:

COMMON ORDER

I.A. No. 9 of 2017 in O. P. No. 16 of 2005, on the file of erstwhile APERC.

The applicants have submitted as under:

a) In the determination of Cross Subsidy Surcharge (CSS) orders for FY 2005-06 and FY 2006-07, the Commission (erstwhile APERC) has followed embedded cost methodology in which ARR is allocated to different category of consumers and difference between CoS and average revenue realization is considered as the CSS of that particular category.

b) Aggrieved by the orders of Commission in determination of CSS for FY 2005-06 and FY 2006-07, M/s. RVK Energy & Others have filed appeals before APTEL vide Appeal No. 169 to 172 of 2005 & 248 to 249 of 2005. The APTEL in its order dated 05.07.2007 had directed the APERC to calculate CSS for FY 2005-06, FY 2006-07 and subsequent years as per the para 8.5 of the National Tariff Policy, 2006 (NTP 2006), which stipulates that weighted average power purchase cost of the top 5% margin sources excl. NCE and liquid fuel sources is to be considered for arriving at CSS for particular class of consumers.

c) Subsequently, the erstwhile APERC had filed Civil Appeal Nos. 4936-4941 of 2007 before Hon'ble Supreme Court challenging the order of APTEL. The Supreme Court has given interim directions by staying the APTEL order till final disposal of the civil appeals. Now, the Supreme Court by order dated 31.03.2016 dismissed the appeal and the same reads as follows:

“The civil appeals are dismissed with no order as to costs in terms of the signed order”

d) It is therefore prayed that the Commission may be pleased to re-determine the CSS and additional surcharge as per the formula laid out in the para 8.5 of the NTP 2006 for the year FY 2005-06 in accordance with the judgment given by Hon'ble Supreme Court in its order dated 31.03.2016 in Civil Appeal Nos. 4936-4941 / 2007.

2. Originally the DISCOMs have addressed the Commission in their letter dated 11.07.2016 about the disposal of the appeal before the Hon'ble Supreme Court and stated as follows.

Civil “The Hon’ble Supreme Court in its order dt. 31.03.2016 has dismissed the Appeal Nos. 4936-4941 of 2007 filed by the erstwhile APERC challenging the order of APTEL in the matter of determination of cross subsidy surcharge for FY 2005-06, FY 2006-07 and subsequent years.

laid In this context, the licensee requests the Hon’ble Commission to re-determine the Cross Subsidy Surcharge and Additional Surcharge as per the formula out in the Para 8.5 of the National Tariff Policy for the years FY 2005-06, FY 2006-07, FY 2007-08, FY 2008-09, FY 2009-10, FY 2010-11, FY 2011-12 and FY 2012-13 so as to enable the licensee to collect pending dues from the Open Access consumers from FY 2005-06 onwards.”

3. Therefore, this petition can be entertained as the Commission has already adopted the earlier orders and directions in Regulation No. 1 of 2014 which is as follows.

“2. All regulations, decisions, directions or orders, all the licenses and practice directions issued by the erstwhile Andhra Pradesh Electricity Regulatory Commission (Regulatory Commission for States of Andhra Pradesh and Telangana) as in existence as on the date of the constitution of the Telangana State Electricity Regulatory Commission and in force, shall mutatis-mutandis apply in relation to the stakeholders in electricity in the State of Telangana including the Commission and shall continue to have effect until duly altered, repealed or amended, any of Regulation by the Commission with effect from the date of notification as per Notification issued by the Government of Telangana in G. O. Ms. No. 3 Energy (Budget) Department, dt. 26.07.2014 consisting the Commission.”

4. The provision in the NTP 2006 is as follows

“8.5. Cross-subsidy surcharge and additional surcharge for open access

8.5.1. National Electricity Policy lays down that the amount of cross-subsidy surcharge and the additional surcharge to be levied from consumers who are permitted open access should not be so onerous that it eliminates competition which is intended to be fostered in generation and supply of power directly to the consumers through open access. A consumer who is permitted open access will have to make payment to the generator, the transmission licensee whose transmission systems are used, distribution utility for the wheeling

charges and, in addition, the cross subsidy surcharge. The computation of cross subsidy surcharge, therefore, needs to be done in a manner that while it compensates the distribution licensee, it does not constrain introduction of competition through open access. A consumer would avail of open access only if the payment of all the charges leads to a benefit to him. While the interest of distribution licensee needs to be protected it would be essential that this provision of the Act, which requires the open access to be introduced in a time-bound manner, is used to bring about competition in the larger interest of consumers. Accordingly, when open access is allowed the surcharge for the purpose of sections 38, 39, 40 and sub-section (2) of section 42 would be computed as the difference between (i) the tariff applicable to the relevant category of consumers and (ii) the cost of the distribution licensee to supply electricity to the consumers of the applicable class. In case of a consumer opting for open access, the distribution licensee could be in a position to discontinue purchase of power at the margin in the merit order. Accordingly, the cost of supply to the consumer for this purpose may be computed as the aggregate of (a) the 5% power at the margin, excluding liquid fuel based generation, in the merit order approved by the SERC adjusted for average loss compensation of the relevant voltage level and (b) the distribution charges determined on the principles as laid down for intra-state transmission charges.

Surcharge formula: $S = T - [C (1+L/100) + D]$

Where S is the surcharge

T is the Tariff payable by the relevant category of consumers;

C is the Weighted average cost of power purchase of top 5% at the margin excluding liquid fuel based generation and renewable power

D is the Wheeling charge

L is the system Losses for the applicable voltage level, expressed as a percentage.

The cross-subsidy surcharge should be brought down progressively and, as far as possible, at a linear rate to a maximum of 20% of its opening level by the year 2010-11.

8.5.2. No surcharge would be required to be paid in terms of sub-section (2) of Section 42 of the Act on the electricity being sold by the generating companies with consent of the competent government under Section 43 (A)

(1) (c) of the Electricity Act, 1948 (now repealed) and on the electricity being supplied by the distribution licensee on the authorization by the State Government under Section 27 of the Indian Electricity Act, 1910 (now repealed), till the current validity of such consent or authorizations.

8.5.3 The surcharge may be collected either by the distribution licensee, the transmission licensee, the STU or the CTU, depending on whose facilities are used by the consumer for availing electricity supplies. In all cases the amounts collected from a particular consumer should be given to the distribution licensee in whose area the consumer is located. In case of two licensees supplying in the same area the licensee from whom the consumer was availing supply shall be paid the amounts collected.

8.5.4 The additional surcharge for obligation to supply as per section 42 (4) of the Act should become applicable only if it is conclusively demonstrated that the obligation of a licensee, in terms of existing power purchase commitments, has been and continues to be stranded, or there is an unavoidable obligation and incidence to bear fixed costs consequent to such a contract. The fixed costs related to network assets would be recovered through wheeling charges.

8.5.5 Wheeling charges should be determined on the basis of same principles as laid down for intra-state transmission charges and in addition would include average loss compensation of the relevant voltage level.

8.5.6. In case of outages of generator supplying to a consumer on open access, standby arrangements should be provided by the licensee on the payment of tariff for temporary connection to that consumer category as specified by the Appropriate Commission”.

5. The order of the Hon'ble ATE reads as follows.

“42. It appears to us that the Embedded Cost Method as adopted by the Commission shackles open access since the consumer will not be able to buy power from sources other than the distribution licensee of their area of supply. In case surcharge is worked out in the manner computed by the Commission, the consumer will have to pay more in case it wishes to utilize open access from sources other than the distribution licensee. On the other hand in case the Surcharge Formula as prescribed by the Tariff Policy is employed, the consumer is not burdened with unreasonable cross subsidy surcharge and at

the same time the interest of the distribution licensee are taken care of. Therefore, we are of the view that the APERC has not applied the appropriate principle for determining cross subsidy surcharge. We find that the formula for calculating surcharge given in the Tariff Policy is in tune with the spirit of the Electricity Act and must be adopted and followed by the APERC and all the Regulatory Commissions. Even de hors the Tariff Policy, the Surcharge Formula needs to be adopted as we find that it is more in tune with the object of the Act than the Embedded Cost Method as adopted by the APERC.

43. It was argued by the learned counsel for the distribution companies that the distribution companies have universal supply obligation but the generators are outside the licensed regime. According to the learned counsel, the distribution licensee has to recover the current level of cross subsidy and in the event of a consumer opting out of the system to receive power from a generator directly, he cannot be allowed to move away without paying cross subsidy surcharge, which must be equivalent to the current level of cross subsidy, otherwise it will result in raising the general tariff. The argument in the first blush appears to be attractive but on a closer scrutiny, it has no substance. It is well-known that there is a shortage of electricity and in case a consumer finds another source of power for its needs, it reduces the burden of the distribution licensee due to the avoided additional purchase of power at marginal cost. In case the distribution licensee can meet the demand of electricity and provide quality service at a reasonable price, there can be no dearth of consumers and in that event there is hardly any question of loss to the distribution licensee when a consumer moves away from it.

44. In the circumstances, therefore, we direct the APERC to compute the cross subsidy surcharge, which consumers are required to pay for use of open access in accordance with the Surcharge Formula given in para 8.5 of the Tariff Policy, for the year 2006-07 and for subsequent years.

45. In future all the Regulatory Commissions while fixing wheeling charges, cross subsidy surcharge and additional surcharge, if any, shall have regard to the spirit of the Act as manifested by its Preamble. The charges shall be reasonable as would result in promoting competition. They shall be worked out in the light of the above observations made by us. This direction shall also apply to the APERC for computing the cross subsidy surcharge for the year 2005-06 as well.”

6. The revised policy issued by the Government of India on 28.01.2016 is as follows.

“8.5 Cross-subsidy surcharge and additional surcharge for open access

8.5.1 National Electricity Policy lays down that the amount of cross-subsidy surcharge and the additional surcharge to be levied from consumers who are permitted open access should not be so onerous that it eliminates competition which is intended to be fostered in generation and supply of power directly to the consumers through open access. A consumer who is permitted open access will have to make payment to the generator, the transmission licensee whose transmission systems are used, distribution utility for the wheeling charges and, in addition, the cross subsidy surcharge. The computation of cross subsidy surcharge, therefore, needs to be done in a manner that while it compensates the distribution licensee, it does not constrain introduction of competition through open access. A consumer would avail of open access only if the payment of all the charges leads to a benefit to him. While the interest of distribution licensee needs to be protected it would be essential that this provision of the Act, which requires the open access to be introduced in a time-bound manner, is used to bring about competition in the larger interest of consumers. SERCs may calculate the cost of supply of electricity by the distribution licensee to consumers of the applicable class as aggregate of

- (a) per unit weighted average cost of power purchase including meeting the Renewable Purchase Obligation;
- (b) transmission and distribution losses applicable to the relevant voltage level and commercial losses allowed by the SERC;
- (c) transmission, distribution and wheeling charges up to the relevant voltage level; and
- (d) per unit cost of carrying regulatory assets, if applicable.

Surcharge formula:

$$S = T - [C / (1 - L/100) + D + R]$$

Where S is the surcharge

T is the tariff payable by the relevant category of consumers, including reflecting the Renewable Purchase Obligation

C is the per unit weighted average cost of power purchase by the Licensee, including meeting the Renewable Purchase Obligation

D is the aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level

L is the aggregate of transmission, distribution and commercial losses, expressed as a percentage applicable to the relevant voltage level

R is per unit cost of carrying regulatory assets. Above formula may not work for all distribution licensees, particularly for those having power deficit, the State Regulatory Commissions, while keeping the overall objectives of the Electricity Act in view, may review and vary the same taking into consideration the different circumstances prevailing in the area of distribution licensee.

Provided that the surcharge shall not exceed 20% of the tariff applicable to the category of the consumers seeking open access.

Provided further that the Appropriate Commission, in consultation with the Appropriate Government, shall exempt levy of cross subsidy charge on the Railways, as defined in Indian Railways Act, 1989 being a deemed licensee, on electricity purchased for its own consumption.

8.5.2 No surcharge would be required to be paid in terms of sub-section (2) of Section 42 of the Act on the electricity being sold by the generating companies with consent of the competent government under Section 43 (A) (1) (c) of the Electricity Act, 1948 (now repealed) and on the electricity being supplied by the distribution licensee on the authorization by the State Government under Section 27 of the Indian Electricity Act, 1910 (now repealed), till the current validity of such consent or authorization.

8.5.3 The surcharge may be collected either by the distribution licensee, the transmission licensee, the STU or the CTU, depending on whose facilities are used by the consumer for availing electricity supplies. In all cases the amounts collected from a particular consumer should be given to the distribution licensee in whose area the consumer is located. In case of two licensees supplying in the same area, the licensee from whom the consumer was availing supply shall be paid the amounts collected.

8.5.4 The additional surcharge for obligation to supply as per section 42 (4) of the Act should become applicable only if it is conclusively demonstrated that the obligation of a licensee, in terms of existing power purchase commitments, has been and continues to be stranded, or there is an unavoidable obligation and incidence to bear fixed costs consequent to such a

contract. The fixed costs related to network assets would be recovered through wheeling charges.

8.5.5 Wheeling charges should be determined on the basis of same principles as laid down for intra-state transmission charges and in addition would include average loss compensation of the relevant voltage level.

8.5.6 In case of outages of generator supplying to a consumer on open access, standby arrangements should be provided by the licensee on the payment of tariff for temporary connection to that consumer category as specified by the Appropriate Commission.

Provided that such charges shall not be more than 125 percent of the normal tariff of that category.”

7. The Hon’ble Supreme Court has observed in its order on 31.03.2016 as follows.

“Heard the learned counsel.

It has been brought to our notice that the validity of the impugned judgment had been challenged by the West Bengal Electricity Regulation Commission by filing Civil Appeal No.1079 of 2008. The said appeal has been dismissed by this Court on 2nd April, 2009. In view of the above fact, we dismiss these appeals with no order as to costs. Pending applications stand disposed of.”

8. This particular filing made by the TSDISCOMs is with reference to the year 2005-06, however, the Commission has already adopted the NTP 2006 for the years 2015 – 16 and 2016 – 2017 and further decided the CSS. It also allowed the CSS as per NTP 2016 later in respect of 2016 – 2017. Thus there is no action required for the years 2015 – 2016 and 2016 – 2017. The relevant order passed by the erstwhile APERC is also placed in the for the purpose of understanding the data in the relevant year.

I. A. No. 10 of 2017 in O. P. No. 13 of 2006, on the file of erstwhile APERC.

9. The applicants have reiterated the submissions made in I. A. No. 9 of 2017 by praying that the Commission may be pleased to re-determine the CSS and additional

surcharge as per the formula laid out in the para 8.5 of the NTP 2006 for the year FY 2006-07 in accordance with the judgment given by Hon'ble Supreme Court in its order dated 31.03.2016 in Civil Appeal Nos. 4936-4941 / 2007.

I. A. No. 11 of 2017 in O. P. No. 5 of 2007, on the file of erstwhile APERC.

10. The applicants have reiterated the submissions made in I. A. No. 9 of 2017 by praying that the Commission may be pleased to re-determine the CSS and additional surcharge as per the formula laid out in the para 8.5 of the NTP 2006 for the year FY 2007-08 in accordance with the judgment given by Hon'ble Supreme Court in its order dated 31.03.2016 in Civil Appeal Nos. 4936-4941 / 2007.

I. A. No. 12 of 2017 in O. P. No. 73 of 2012, on the file of erstwhile APERC.

11. The applicants have reiterated the submissions made in I. A. No. 9 of 2017 by praying that the Commission may be pleased to re-determine the CSS and additional surcharge as per the formula laid out in the para 8.5 of the NTP 2006 for the year FY 2008-09 in accordance with the judgment given by Hon'ble Supreme Court in its order dated 31.03.2016 in Civil Appeal Nos. 4936-4941 / 2007.

I. A. No. 13 of 2017 in O. P. No. 74 of 2012, on the file of erstwhile APERC.

12. The applicants have reiterated the submissions made in I. A. No. 9 of 2017 by praying that the Commission may be pleased to re-determine the CSS and additional surcharge as per the formula laid out in the para 8.5 of the NTP 2006 for the year FY 2009-10 in accordance with the judgment given by Hon'ble Supreme Court in its order dated 31.03.2016 in Civil Appeal Nos. 4936-4941 / 2007.

I. A. No. 14 of 2017 in O. P. No. 75 of 2012, on the file of erstwhile APERC.

13. The applicants have reiterated the submissions made in I. A. No. 9 of 2017 by praying that the Commission may be pleased to re-determine the CSS and additional surcharge as per the formula laid out in the para 8.5 of the NTP 2006 for the year FY 2010-11 in accordance with the judgment given by Hon'ble Supreme Court in its order dated 31.03.2016 in Civil Appeal Nos. 4936-4941 / 2007.

I. A. No. 15 of 2017 in O. P. No. 76 of 2012, on the file of erstwhile APERC.

14. The applicants have reiterated the submissions made in I. A. No. 9 of 2017 by praying that the Commission may be pleased to re-determine the CSS and additional surcharge as per the formula laid out in the para 8.5 of the NTP 2006 for the year FY 2011-12 in accordance with the judgment given by Hon'ble Supreme Court in its order dated 31.03.2016 in Civil Appeal Nos. 4936-4941 / 2007.

I. A. No. 16 of 2017 in O. P. No. 77 of 2012, on the file of erstwhile APERC.

15. The applicants have reiterated the submissions made in I. A. No. 9 of 2017 by praying that the Commission may be pleased to re-determine the CSS and additional surcharge as per the formula laid out in the para 8.5 of the NTP 2006 for the year FY 2012-13 in accordance with the judgment given by Hon'ble Supreme Court in its order dated 31.03.2016 in Civil Appeal Nos. 4936-4941 / 2007.

O. P. No. 13 of 2017

16. The TSDISCOMS (petitioners) have filed a petition for determination of cross subsidy surcharge (CSS) for the year 2013- 2014 under National Tariff Policy (NTP) of 2006 pursuant to the decision of the Hon'ble Supreme Court in Civil Appeal No. 4936 of 2007 and batch upholding the decision of the Hon'ble ATE in Appeal No, 169 of 2005 and batch.

17. The petitioners stated that the erstwhile Commission (APERC), as part of discharge of its obligation under section 42 (2) and 42 (4) of Electricity Act, 2003, initiated suo – moto proceedings in O. P. No. 54 of 2013 for determination of CSS and additional surcharge (AS) for FY 2013 – 14 and invited objections / suggestions from the general public. The APERC held public hearing on 06.08.2013 in respect of said matter and issued orders on 13.08.2013, determining the CSS and AS, payable by open access consumers, falling in the service area of respective distribution licensee in the state, as "nil" for the financial year 2013 – 14. The concluding para of the order is extracted below:

“After careful examination of the points submitted in the public hearing and due to consideration to various issues on supply side constraints, plights of OA users, Discom inability to give assurance with regard to power supply during the remaining period of the financial year and their proposal to review the R & C measures after a period of one month, no threat to recovery of

anticipated cross subsidy in tariff order for FY 2013 – 14, as summarized above, the commission hereby determines cross subsidy surcharge and additional surcharge, under the provisions of the Electricity Act, 2013, payable by open access users, falling in the service area of respective distribution licensee in the state, as “nil” for the financial year 2013 – 14. However, discoms are at liberty to approach the Commission afresh on cross subsidy surcharge and additional surcharge proposals, during this financial year, if they could assure 100% power supply to all subsidizing consumers, for at least four (4) months consecutively.”

18. The petitioners have filed a review petition R. P. No. 1 of 2013 u/s 94 of the Act, 2003 r/w clause 49 of APERC (Conduct of Business) Regulation No. 2 of 1999 seeking review of the orders on determination of cross subsidy surcharge for FY 2013 – 14. The APERC having conducted public hearing on the review petition passed an order dated 22.01.2014 dismissing the review petition observing that the grounds raised are more in the nature of an appeal rather than of a review and that the petitioners are not able to satisfy any of the requirements of Order XLII Rule 1 of C.P.C., to enable the Commission to entertain the review petition seeking review of the order dated 13.08.2013 in O. P. No. 54 of 2013.

19. The petitioners stated that the appeals filed before Hon’ble APTEL vide Nos. 169, 170, 171, 172 of 2005 & 248, 249 of 2006 by M/s RVK Energy & Others against the orders of Commission in regard to determination of cross subsidy surcharge as per embedded cost methodology are allowed by order dated 05.07.2007 directing the APERC to compute the cross subsidy surcharge, which consumers are required to pay for use of open access in accordance with the surcharge formula specified in para 8.5 of the National Tariff Policy, 2006 for FY 2006 – 07 and for subsequent years. Later on, the erstwhile APERC has filed Civil Appeal before the Hon’ble Supreme Court challenging the order of the Hon’ble APTEL and the same were dismissed vide judgment on 31.03.2016.

20. The petitioners stated that pursuant to the orders of the Hon’ble Supreme Court dated 31.03.2016, the licensee has filed 8 miscellaneous petitions for re-determination of the CSS and AS as per the National Tariff Policy (NTP) for the years FY 2005 – 06 to FY 2012 – 13 respectively vide I.A. Nos. 9, 10, 11, 12, 13, 14, 15, 16 of 2017. Now, the licensees through this petition requests the Commission to

determine the CSS and additional surcharge (AS) for FY 2013 – 14 which was determined as “nil” with an option to file fresh petition for determination of cross subsidy surcharge and additional surcharge proposals, if licensees could assure 100% power supply to all subsidizing consumers, for at least four (4) months consecutively.

21. The petitioners therefore stated that, the petitioners during FY 2013 – 14 have implemented the Restriction and Control (R & C) measures to industrial sector from 01.04.2013 to 31.07.2013 only and further there was no power holiday from 01.08.2013 to 02.03.2014. The details of load reliefs imposed on the industrial consumers for the FY 2013 – 14 has been enclosed to the petition. From the above details it is evident that, the licensees had provided continuous power supply for more than 4 consecutive months. Hence the licensees are entitled to claim CSS and AS for FY 2013 – 14 as per the order of the Commission.

22. The petitioner stated that the details of actual category wise and voltage wise sales, revenue from sale of power and the power purchase both source wise and generator wise has also ben enclosed to the petition for determination of CSS for FY 2013 – 14. Separate application for condonation of delay is also filed.

23. The petitioners have sought the following prayer in the petition.

“Determine the cross subsidy surcharge and additional surcharge as per the formula laid out in the para 8.5 of the National Tariff Policy for FY 2013 – 14 as the licensees had provided continuous power supply for more than 4 consecutive months as per para 37 of the order of Hon’ble Commission in O.P. No. 54 of 2013 dated 13.08.2013.”

Interlocutory Application for condonation of delay:

24. The petitioner has filed a separate application seeking condonation of delay in filing the petition as directed earlier by the then Commission.

25. The petitioners stated that the erstwhile Commission (APERC), as part of discharge of its obligation under section 42 (2) and 42 (4) of Act, 2003, initiated suo – moto proceedings in O. P. No. 54 of 2013 for determination of cross subsidy

surcharge and additional surcharge for FY 2013 – 14 and invited objections / suggestions from the general public.

26. The petitioner stated that the APERC held public hearing on 06.08.2013 in respect of said matter and issued orders on 13.08.2013, determining the cross subsidy surcharge and additional surcharge, payable by open access consumers, falling in the service area of respective distribution licensee in the state, as “nil” for the financial year 2013 – 14. The concluding paragraph is already extracted at paragraph 2 above.

27. The petitioners stated that they have filed the review petition R. P. No. 1 of 2013 u/s 94 of the Act, 2003 r/w clause 49 of APERC (Conduct of Business) Regulation No. 2 of 1999 seeking the review of the orders on determination of cross subsidy surcharge for FY 2013 – 14. The APERC having conducted public hearing on the review petition passes order dated 22.01.2014 dismissing the review petition stating that the grounds raised are more of an appeal rather than of a review and that the petitioners are not able to satisfy any of the requirements of Order XLII Rule 1 of C.P.C., to enable the Commission to entertain the review petition seeking review of the order dated 13.08.2013 in O. P. No. 54 of 2013.

28. The petitioners stated that though the Commission in its order has given liberty to the DISCOMS to file the cross subsidy surcharge proposal afresh during FY 2013 – 14 by providing 100% power supply to all subsidizing consumers, for at least four (4) months consecutively, the DISCOM was unable to file the proposals due to the following reasons and series of events which were beyond the control of licensee:

- i) The energy demand – supply position during the financial year during FY 2013 – 14 was uncertain due to power deficit scenario in the state.
- ii) The undivided Andhra Pradesh State was bifurcated on 2nd June, 2014. Pursuant there to, as per the Re-organisation Regulation No. 3 of 2014 dated 26.05.2014, “the area of supply of existing distribution & retail supply licensees shall deemed to be reassigned as per the provisions of the Andhra Pradesh Reorganisation Act, 2014 until amended or separate licences are issued by the respective state Electricity Regulatory Commissions”.

- iii) The districts of Anantapur and Kurnool which were under the jurisdiction of the erstwhile Andhra Pradesh Central Power Distribution Company Ltd. (APCPDCL), now Southern Power Distribution Company of Telangana Limited (TSSPDCL) have been reassigned to the Andhra Pradesh Southern Power Distribution Company Ltd. (APSPDCL).
- iv) Clause C (3) of the Twelfth Schedule to the Reorganisation Act provides that the then APERC shall function as a Joint Regulatory body for a period not exceeding six months within which time separate SERCs will be formed in Telangana and residual Andhra Pradesh.
- v) Accordingly, the Joint Regulatory body i.e. erstwhile APERC is dissolved and TSERC was constituted on 26.07.2014 and started functioning on 03.11.2014.
- vi) Further few Appeals which has been filed in the year 2005 before Hon'ble APTEL vide Nos. 169, 170, 171, 172 of 2005 & 248, 249 of 2006 by M/s RVK Energy & others against the orders of Hon'ble Commission in determination of cross subsidy surcharge as per embedded cost methodology were disposed of on 05.07.2007 directing the Hon'ble APERC to compute the cross subsidy surcharge, which consumers are required to pay for use of open access in accordance with the surcharge formula specified in para 8.5 of the National Tariff Policy, 2006 for FY 2006 – 07 and subsequent years.
- vii) Subsequently, the erstwhile APERC filed civil appeals before the Hon'ble Supreme Court challenging the order of the Hon'ble APTEL, which were disposed of on 31.03.2016 dismissing the same directing the Commission to follow the order of Hon'ble APTEL.

29. The petitioners stated that in accordance with the Hon'ble Supreme Court directions, the licensee now prays the Commission to re-determine the cross subsidy surcharge for FY 2013 – 14. Hence, licensees humbly requests the Hon'ble Commission to condone the delay in filing the cross subsidy surcharge and additional surcharge proposals for FY 2013 – 14 which occurred due to jurisdictional changes resulted in post state bifurcation, and due to pendency of the matter before Hon'ble Supreme Court.

30. The applicants have sought the following prayer in the miscellaneous petition.
“Condone the delay in filing the application for cross subsidy and additional surcharge proposals for FY 2013 – 14 for the reasons stated above.”

O. P. No. 14 of 2017

31. The distribution companies in Telangana (petitioners) (TSDISCOMS) have filed a petition for determination of the cross subsidy surcharge (CSS) for the year 2014 -2015 under National Tariff Policy (NTP) of 2006 pursuant to the decision of the Hon’ble Supreme Court in Civil Appeal No. 4936 of 2007 and batch upholding the decision of the Hon’ble ATE in Appeal No, 169 of 2005 and batch.

32. The petitioners stated that in the determination of CSS orders for FY 2005 – 06 and FY 2006 – 07, the Commission (erstwhile APERC) has followed embedded cost methodology in which ARR is allocated to different category of consumers and difference between CoS and average revenue realization is considered as the CSS of that particular category. Aggrieved by the orders of Commission in determination of CSS for FY 2005 – 06 and FY 2006 – 07, M/s. RVK Energy and others have filed appeals before the Hon’ble Appellate Tribunal for Electricity (ATE) vide Appeal No. 169 to 172 of 2005 & 248 to 249 of 2005. The ATE in its order dated 05.07.2007 has directed the APERC to calculate CSS for FY 2005 – 06, FY 2006 – 07 and subsequent years as per the clause 8.5 of the NTP, 2006 which stipulates that weighted average power purchase cost of the top 5% margin sources excl. NCE and liquid fuel sources is to be considered for arriving at CSS for particular class of consumers.

33. The petitioners stated that subsequently, the erstwhile APERC has filed Civil Appeal Nos. 4936 – 4941 of 2007 before Hon’ble Supreme Court challenging the order of ATE. The Supreme Court stayed the ATE order till final disposal of the civil appeals. The Supreme Court by order dated 31.03.2016 dismissed the appeal. The same reads as follows:

“The civil appeals are dismissed with no order as to costs in terms of the signed order”.

34. The petitioners stated that pursuant to the orders of the Hon’ble Supreme Court dated 31.03.2016, the licensee has filed 8 miscellaneous petitions for re-

determination of the CSS and additional surcharge (AS) as per the NTP for the years FY 2005 – 06 to FY 2012 – 13 respectively vide I. A. Nos. 9, 10, 11, 12, 13, 14, 15, 16 of 2017. Now, the licensee through the petition requests the Commission to determine the CSS and AS for FY 2014 – 15.

35. The petitioner stated that the details of actual category wise and voltage wise sales, revenue from sale of power and the power purchase has been enclosed for determination of cross subsidy surcharge for FY 2014 – 15. It is stated that there is no retail supply tariff order for FY 2014 – 15 and the Commission in its Order dated 29.03.2014 has made the existing tariffs that is FY 2013 – 14 continued from 01.04.2014 until further orders.

36. The petitioners have sought the following prayer in the petition.

“Determine the cross subsidy surcharge and additional surcharge as per the formula laid out in the para 8.5 of the National Tariff Policy for FY 2014 – 15.”

37. The petitioners in the original petitions and in the interlocutory applications were heard by the Commission through the representatives mentioned in the preamble stated supra. The Commission did not receive any objections despite placing a notice on the website of the Commission on 09.08.2017 and published notice in the newspapers also subsequently.

38. In order to facilitate passing of detailed order with comprehensive data analysis, necessary information has been directed to be filed by the applicants / petitioners through letters dated 12.10.2017 and 06.12.2017. Necessary reply has been received by the Commission furnishing substantially complying with the requirement of data for enabling the Commission to dispose of these applications and original petitions. We now proceed to undertake analysis and decide the issue of redetermination of the cross subsidy surcharge for the relevant years in terms of the NTP 2006 as directed by the Hon'ble ATE and confirmed by the Hon'ble Supreme Court.

39. Determination of Cross Subsidy Surcharge (CSS)

The determination of CSS shall be as per the formula specified in the National Tariff Policy, 2006. As per the said Tariff Policy, the surcharge shall be computed as per the following formula;

$$S = T - [C(1+L/100) + D]$$

Where

S is the surcharge, T is the Tariff payable by the relevant category of consumers, C is the weighted average cost of power purchase of top 5% at the margin excluding liquid fuel based generation and renewable power, D is the Wheeling charge, L is the system Losses for the applicable voltage level, expressed as a percentage

The Commission is of the view that the component 'T' should include demand charges, energy Charges but exclude other tariff related charges and Non-tariff Income (since these charges are any way collected by the Licensees irrespective of open access). Hence, the Commission computed 'T' by considering demand and energy charges only.

For the component 'C', the Commission computed by excluding renewable energy, liquid fuel generation only in line with NTP-2006.

For computing component 'L', the Commission has adopted the approved loss percentages.

For computing the component 'D', the Commission has adopted the rates as approved in the MYT orders for Transmission, Distribution businesses and Retail Tariff Orders.

Due to bifurcation of the State, the districts Anantapur and Kurnool are now under the scope of the Southern Power Distribution Company of Andhra Pradesh Limited. With regard to these two districts, it has to be noted that the data was not specifically taken into account by the Commission in calculating the Cross Subsidy Surcharge. The same makes no material difference of significance as all the parameters governing such quantum of surcharge are more or less identical even for those two districts. Application of the law of averages in such a situation cannot be considered as unjust and unreasonable when any marginal or peripheral variations

of no significance in the relevant parameters is of no or little impact on the correctness or accuracy of the determination of the Cross Subsidy Surcharge.

Accordingly, the Commission has recomputed the CSS applicable for different categories of the consumers of TSSPDCL and TSNPDCL operating within the territories of the present State of Telangana. The details of the calculations are indicated below

CSS Calculation for FY 2005-06 - TSSPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T & D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.57	3.20	23.32%	1.13	0.00	0.00
LT II (A, B & C)	Non-Domestic/ Commercial	5.74	3.20	23.32%	1.13	0.00	1.41
LT III (A&B)	Industrial	4.39	3.20	23.32%	1.13	0.00	0.06
LT IV (A&B)	Cottage Industries & Dhobighats	2.06	3.20	23.32%	1.13	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.07	3.20	23.32%	1.13	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	1.92	3.20	23.32%	1.13	0.00	0.00
LT VII (A&B)	General Purpose	4.00	3.20	23.32%	1.13	0.00	0.00
LT VIII (A&B)	Temporary Supply	6.20	3.20	23.32%	1.13	0.00	1.87
HT Categories							
HT I	Industry Segregated						
	11 kV	3.30	3.20	13.47%	0.59	0.00	0.00
	33 kV	3.84	3.20	9.04%	0.59	0.00	0.05
	132 kV	3.78	3.20	5.00%	0.59	0.00	0.00
HT - II	Industry Others						
	11 kV	5.23	3.20	13.47%	0.59	0.00	1.44
	33 kV	5.25	3.20	9.04%	0.59	0.00	1.46
	132 kV	5.50	3.20	5.00%	0.59	0.00	1.71
HT IV(A&B)	Govt Lift Irrigation schemes	1.70	3.20	5.00%	0.59	0.00	0.00

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T & D charge	Cost of carrying Regulatory asset	CSS
HT V(A)	Railway Traction	4.40	3.20	5.00%	0.59	0.00	0.61
HT VI	Townships & Residential Colonies	3.50	3.20	13.47%	0.59	0.00	0.00
HT Temporary	Temporary Supply	5.25	3.20	13.47%	0.59	0.00	1.46

CSS Calculation for FY 2005-06 - TSNPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T & D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.07	3.20	23.20%	1.16	0.00	0.00
LT II (A, B & C)	Non-Domestic/Commercial	5.51	3.20	23.20%	1.16	0.00	1.14
LT III (A&B)	Industrial	4.47	3.20	23.20%	1.16	0.00	0.10
LT IV (A&B)	Cottage Industries & Dhobighats	1.96	3.20	23.20%	1.16	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.05	3.20	23.20%	1.16	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	1.29	3.20	23.20%	1.16	0.00	0.00
LT VII (A&B)	General Purpose	4.00	3.20	23.20%	1.16	0.00	0.00
LT VIII (A&B)	Temporary Supply	6.20	3.20	23.20%	1.16	0.00	1.83
HT Categories							
HT I	Industry Segregated						
	11 kV	4.31	3.20	13.17%	0.55	0.00	0.56
	33 kV	4.12	3.20	8.71%	0.55	0.00	0.37
	132 kV	3.82	3.20	5.00%	0.55	0.00	0.07
HT - II	Industry Others						
	11 kV	5.16	3.20	13.17%	0.55	0.00	1.41
	33 kV	4.91	3.20	8.71%	0.55	0.00	1.16
	132 kV	11.70	3.20	5.00%	0.55	0.00	7.96
HT IV(A&B)	Government Lift Irrigation schemes	1.78	3.20	5.00%	0.55	0.00	0.00
HT V(A)	Railway Traction	4.40	3.20	5.00%	0.55	0.00	0.65
HT VI	Townships & Residential Colonies (11Kv)	3.50	3.20	13.17%	0.55	0.00	0.00

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T & D charge	Cost of carrying Regulatory asset	CSS
HT	Temporary Supply (11Kv)	0.00	3.20	13.17%	0.55	0.00	0.00
HT	RESCOs(11Kv)	0.40	3.20	13.17%	0.55	0.00	0.00

CSS Calculation for FY 2006-07 - TSSPDCL

Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T & D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.57	2.54	25.82%	0.98	0.00	0.00
LT II (A, B & C)	Non-Domestic/Commercial	5.76	2.54	25.82%	0.98	0.00	1.36
LT III (A&B)	Industrial	4.22	2.54	25.82%	0.98	0.00	0.69
LT IV (A&B)	Cottage Industries & Dhobighats	1.98	2.54	25.82%	0.98	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.02	2.54	25.82%	0.98	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	1.83	2.54	25.82%	0.98	0.00	0.00
LT VII (A&B)	General Purpose	4.00	2.54	25.82%	0.98	0.00	0.47
LT VIII (A&B)	Temporary Supply	6.20	2.54	25.82%	0.98	0.00	2.67
HT Categories							
HT I	Industry Segregated						
	11 kV	3.98	2.54	15.28%	0.48	0.00	0.51
	33 kV	3.74	2.54	8.47%	0.20	0.00	0.78
	132 kV	3.27	2.54	4.45%	0.07	0.00	0.55
HT I (B)	Ferro Alloys (11Kv)	2.55	2.54	15.28%	0.48	0.00	0.00
HT - II	Industry Others						
	11 kV	5.29	2.54	15.28%	0.48	0.00	1.82
	33 kV	4.79	2.54	8.47%	0.20	0.00	1.83
	132 kV	4.26	2.54	4.45%	0.07	0.00	1.54
HT IV(A&B)	Government Lift Irrigation schemes	2.06	2.54	4.45%	0.07	0.00	0.00
HT V(A)	Railway Traction	4.28	2.54	4.45%	0.07	0.00	1.55
HT VI	Townships and Residential Colonies (11Kv)	3.50	2.54	15.28%	0.48	0.00	0.03

CSS Calculation for FY 2006-07 - TSNPDCL

Category		Avg realisation	Weighted average PP cost	Aggregate loss %	Aggregate T & D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.07	2.54	24.75%	1.02	0.00	0.00
LT II (A, B & C)	Non-Domestic/ Commercial	5.50	2.54	24.75%	1.02	0.00	1.11
LT III (A&B)	Industrial	4.67	2.54	24.75%	1.02	0.00	1.11
LT IV (A&B)	Cottage Industries & Dhobighats	2.08	2.54	24.75%	1.02	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.05	2.54	24.75%	1.02	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	1.28	2.54	24.75%	1.02	0.00	0.00
LT VII (A&B)	General Purpose	4.00	2.54	24.75%	1.02	0.00	0.44
LT VIII (A&B)	Temporary Supply	6.20	2.54	24.75%	1.02	0.00	2.64
HT Categories							
HT I	Industry Segregated						
	11 kV	4.44	2.54	15.34%	0.44	0.00	1.01
	33 kV	3.73	2.54	9.66%	0.18	0.00	0.74
	132 kV	3.49	2.54	4.45%	0.07	0.00	0.77
HT I (B)							
HT I (B)	Ferro Alloys (11Kv)	0.00	2.54	15.34%	0.44	0.00	0.00
HT - II							
	11 kV	5.31	2.54	15.34%	0.44	0.00	1.88
	33 kV	4.54	2.54	9.66%	0.18	0.00	1.55
	132 kV	12.08	2.54	4.45%	0.07	0.00	9.35
HT IV(A&B)	Government Lift Irrigation schemes	1.53	2.54	4.45%	0.07	0.00	0.00
HT V(A)	Railway Traction	4.16	2.54	4.45%	0.07	0.00	1.44
HT VI	Townships and Residential Colonies	3.50	2.54	15.34%	0.44	0.00	0.06
HT	RESCOs	0.40	2.54	15.34%	0.44	0.00	0.00

CSS Calculation for FY 2007-08 - TSSPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T&D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.53	2.71	21.35%	1.00	0.00	0.00
LT II (A,	Non-Domestic/	5.75	2.71	21.35%	1.00	0.00	1.31

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T&D charge	Cost of carrying Regulatory asset	CSS
B & C)	Commercial						
LT III (A)	Industrial	4.31	2.71	21.35%	1.00	0.00	0.00
LT III (B)	SSI Units	4.23	2.71	21.35%	1.00	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	1.98	2.71	21.35%	1.00	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.02	2.71	21.35%	1.00	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	1.89	2.71	21.35%	1.00	0.00	0.00
LT VII (A&B)	General Purpose	4.00	2.71	21.35%	1.00	0.00	0.00
LT VIII (A&B)	Temporary Supply	6.20	2.71	21.35%	1.00	0.00	1.76
HT Categories							
HT I	Industry Segregated						
	11 kV	3.75	2.71	14.27%	0.48	0.00	0.11
	33 kV	3.53	2.71	9.97%	0.20	0.00	0.33
	132 kV	3.12	2.71	4.30%	0.07	0.00	0.22
HT	Ferro Alloys (132Kv & above)	2.55	2.71	4.30%	0.07	0.00	0.00
HT - II	Industry Others						
	11 kV	5.24	2.71	14.27%	0.48	0.00	1.59
	33 kV	5.12	2.71	9.97%	0.20	0.00	1.92
	132 kV	4.47	2.71	4.30%	0.07	0.00	1.57
HT IV(A&B)	Govt. LIS (132Kv)	2.36	2.71	4.30%	0.07	0.00	0.00
HT V(A)	Railway Traction	4.10	2.71	4.30%	0.07	0.00	1.20
HT VI	Townships and Residential Colonies	3.50	2.71	14.27%	0.48	0.00	0.00

CSS Calculation for FY 2007-08 - TSNPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T&D charge	Cost of carrying Regulatory asset	CSS
LT I (A&B)	Domestic	2.06	2.71	22.67%	1.03	0.00	0.00
LT II (A, B & C)	Non-Domestic/Commercial	5.40	2.71	22.67%	1.03	0.00	0.86
LT III (A)	Industrial	4.58	2.71	22.67%	1.03	0.00	0.05
LT III (B)	SSI Units	4.50	2.71	22.67%	1.03	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	1.91	2.71	22.67%	1.03	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.02	2.71	22.67%	1.03	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	1.48	2.71	22.67%	1.03	0.00	0.00
LT VII	General Purpose	4.00	2.71	22.67%	1.03	0.00	0.00

(A&B)							
LT VIII (A&B)	Temporary Supply	6.20	2.71	22.67%	1.03	0.00	1.67
HT Categories							
HT I	Industry Segregated						
	11 kV	3.90	2.71	13.98%	0.44	0.00	0.31
	33 kV	3.58	2.71	9.28%	0.18	0.00	0.42
	132 kV	3.34	2.71	4.30%	0.07	0.00	0.44
HT - II	Industry Others						
	11 kV	5.16	2.71	13.98%	0.44	0.00	1.57
	33 kV	3.90	2.71	9.28%	0.18	0.00	0.73
	132 kV	13.65	2.71	4.30%	0.07	0.00	10.75
HT IV(A&B)	Govt. LIS (132Kv)	2.36	2.71	4.30%	0.07	0.00	0.00
HT V(A)	Railway Traction	4.10	2.71	4.30%	0.07	0.00	1.20
HT VI	Townships and Residential Colonies (11Kv)	3.50	2.71	13.98%	0.44	0.00	0.00
HT	RESCOs (11Kv)	0.40	2.71	13.98%	0.44	0.00	0.00

CSS Calculation for FY 2008-09 - TSSPDCL

Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T&D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.78	2.58	33.49%	0.96	0.00	0.00
LT II (A, B & C)	Non-Domestic/Commercial	5.98	2.58	33.49%	0.96	0.00	1.13
LT III (A&B)	Industrial	4.49	2.58	33.49%	0.96	0.00	0.00
LT III (B)	SSI Units	4.22	2.58	33.49%	0.96	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	1.80	2.58	33.49%	0.96	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.06	2.58	33.49%	0.96	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	2.47	2.58	33.49%	0.96	0.00	0.00
LT VII (A&B)	General Purpose	4.00	2.58	33.49%	0.96	0.00	0.00
LT VIII (A&B)	Temporary Supply	6.20	2.58	33.49%	0.96	0.00	1.35
HT Categories							
HT I	Industry Segregated						
	11 kV	3.85	2.58	17.30%	0.46	0.00	0.27
	33 kV	3.34	2.58	7.85%	0.18	0.00	0.36
	132 kV	3.18	2.58	4.20%	0.06	0.00	0.42

HT	Ferro Alloys						
	11 kV	0.00	2.58	17.30%	0.46	0.00	0.00
	33 kV	2.56	2.58	7.85%	0.18	0.00	0.00
	132 kV	2.56	2.58	4.20%	0.06	0.00	0.00
HT - II	Industry Others						
	11 kV	5.14	2.58	17.30%	0.46	0.00	1.55
	33 kV	4.72	2.58	7.85%	0.18	0.00	1.73
	132 kV	4.88	2.58	4.20%	0.06	0.00	2.12
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	2.26	2.58	17.30%	0.46	0.00	0.00
	33 kV	2.26	2.58	7.85%	0.18	0.00	0.00
	132 kV	2.26	2.58	4.20%	0.06	0.00	0.00
HT V(A)	Railway Traction	4.10	2.58	4.20%	0.06	0.00	1.34
HT VI	Townships & Residential Colonies (11Kv)	4.08	2.58	17.30%	0.46	0.00	0.50
HT	Temporary Supply	6.48	2.58	17.30%	0.46	0.00	2.90

CSS Calculation for FY 2008-09 - TSNPDCL

Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T&D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.41	2.58	33.23%	1.02	0.00	0.00
LT II (A, B & C)	Non-Domestic/Commercial	5.86	2.58	33.23%	1.02	0.00	0.97
LT III (A&B)	Industrial	4.77	2.58	33.23%	1.02	0.00	0.00
LT III (B)	SSI Units	3.98	2.58	33.23%	1.02	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	1.80	2.58	33.23%	1.02	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.14	2.58	33.23%	1.02	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	1.43	2.58	33.23%	1.02	0.00	0.00
LT VII (A&B)	General Purpose	4.42	2.58	33.23%	1.02	0.00	0.00
HT Categories							
HT I	Industry Segregated						
	11 kV	4.00	2.58	18.29%	0.42	0.00	0.41
	33 kV	3.61	2.58	8.91%	0.16	0.00	0.61
	132 kV	3.18	2.58	4.20%	0.06	0.00	0.42
HT - II	Industry Others						
	11 kV	5.31	2.58	18.29%	0.42	0.00	1.73
	33 kV	4.32	2.58	8.91%	0.16	0.00	1.32
	132 kV	6.17	2.58	4.20%	0.06	0.00	3.41

HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	2.28	2.58	18.29%	0.42	0.00	0.00
	33 kV	2.28	2.58	8.91%	0.16	0.00	0.00
	132 kV	2.28	2.58	4.20%	0.06	0.00	0.00
HT V(A)	Railway Traction	4.09	2.58	4.20%	0.06	0.00	1.34
HT VI	Townships & Residential Colonies (11Kv)	4.10	2.58	18.29%	0.42	0.00	0.51
HT	RESCOs	0.46	2.58	18.29%	0.42	0.00	0.00

CSS Calculation for FY 2009-10 – TSSPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T&D charge	Cost of carrying Regulatory asset	CSS
LT I (A&B)	Domestic	2.88	4.59	19.65%	2.25	0.00	0.00
LT II (A, B & C)	Non-Domestic/Commercial	6.09	4.59	19.65%	2.25	0.00	0.00
LT III (A)	Industrial	4.50	4.59	19.65%	2.25	0.00	0.00
LT III (B)	Industrial SSLunits	4.36	4.59	19.65%	2.25	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	2.05	4.59	19.65%	2.25	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.06	4.59	19.65%	2.25	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	2.28	4.59	19.65%	2.25	0.00	0.00
LT VII (A&B)	General Purpose	4.19	4.59	19.65%	2.25	0.00	0.00
LT VIII (A&B)	Temporary Supply	6.37	4.59	19.65%	2.25	0.00	0.00
HT Categories							
HT I	Industry Segregated						
	11 kV	3.93	4.59	12.66%	0.64	0.00	0.00
	33 kV	3.35	4.59	8.06%	0.20	0.00	0.00
	132 kV	3.11	4.59	4.16%	0.07	0.00	0.00
HT	Ferro Alloys						
	11 kV	0.00	4.59	12.66%	0.64	0.00	0.00
	33 kV	2.45	4.59	8.06%	0.20	0.00	0.00
	132 kV	2.45	4.59	4.16%	0.07	0.00	0.00
HT - II	Industry Others						
	11 kV	5.36	4.59	12.66%	0.64	0.00	0.00
	33 kV	4.80	4.59	8.06%	0.20	0.00	0.00
	132 kV	4.65	4.59	4.16%	0.07	0.00	0.00
HT IV(A&B)	Lift Irrigation & Agriculture	2.48	4.59	4.16%	0.07	0.00	0.00
HT V(A)	Railway Traction	4.05	4.59	4.16%	0.07	0.00	0.00
HT VI	Townships and Residential Colonies	4.11	4.59	12.66%	0.64	0.00	0.00

	(11Kv)						
HT	Temporary Supply	8.70	4.59	12.66%	0.64	0.00	2.80

CSS Calculation for FY 2009-10 – TSNPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T & D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	1.99	4.59	19.14%	1.35	0.00	0.00
LT II (A, B & C)	Non-Domestic/ Commercial	5.52	4.59	19.14%	1.35	0.00	0.00
LT III (A)	Industrial	4.55	4.59	19.14%	1.35	0.00	0.00
LT III (B)	Industrial SSI units	4.55	4.59	19.14%	1.35	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	2.09	4.59	19.14%	1.35	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.01	4.59	19.14%	1.35	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	1.38	4.59	19.14%	1.35	0.00	0.00
LT VII (A&B)	General Purpose	4.00	4.59	19.14%	1.35	0.00	0.00
LT VIII (A&B)	Temporary Supply	6.20	4.59	19.14%	1.35	0.00	0.00
HT Categories							
HT I	Industry Segregated						
	11 kV	4.12	4.59	13.05%	0.48	0.00	0.00
	33 kV	3.67	4.59	8.47%	0.17	0.00	0.00
	132 kV	3.18	4.59	4.16%	0.07	0.00	0.00
HT	Ferro Alloys						
	11 kV	0.00	4.59	13.05%	0.48	0.00	0.00
	33 kV	0.00	4.59	8.47%	0.17	0.00	0.00
	132 kV	0.00	4.59	4.16%	0.07	0.00	0.00
HT - II	Industry Others						
	11 kV	5.01	4.59	13.05%	0.48	0.00	0.00
	33 kV	4.41	4.59	8.47%	0.17	0.00	0.00
	132 kV	30.11	4.59	4.16%	0.07	0.00	25.24
HT IV(A&B)	Lift Irrigation & Agriculture	2.36	4.59	4.16%	0.07	0.00	0.00
HT V(A)	Railway Traction	3.95	4.59	4.16%	0.07	0.00	0.00
HT VI	Townships and Residential Colonies (11Kv)	4.00	4.59	13.05%	0.48	0.00	0.00
HT	RESCOs	0.40	4.59	13.05%	0.48	0.00	0.00

CSS Calculation for FY 2010-11 – TSSPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T& D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.76	3.91	21.74%	2.25	0.00	0.00
LT II (A, B & C)	Non-Domestic/Commercial	6.02	3.91	21.74%	2.25	0.00	0.00
LT III (A&B)	Industrial	4.59	3.91	21.74%	2.25	0.00	0.00
LT III SSI	SSI Units	4.63	3.91	21.74%	2.25	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	1.92	3.91	21.74%	2.25	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.02	3.91	21.74%	2.25	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	2.13	3.91	21.74%	2.25	0.00	0.00
LT VII (A&B)	General Purpose	4.00	3.91	21.74%	2.25	0.00	0.00
LT VIII (A&B)	Temporary Supply	6.64	3.91	21.74%	2.25	0.00	0.48
HT Categories							
HT I	Industry Segregated						
	11 kV	4.28	3.91	13.52%	0.68	0.00	0.00
	33 kV	3.64	3.91	8.00%	0.21	0.00	0.00
	132 kV	3.39	3.91	4.13%	0.08	0.00	0.00
HT	Ferro Alloys						
	11 kV	2.57	3.91	13.52%	0.68	0.00	0.00
	33 kV	2.57	3.91	8.00%	0.21	0.00	0.00
	132 kV	2.59	3.91	4.13%	0.08	0.00	0.00
HT - II	Industry Others						
	11 kV	5.82	3.91	13.52%	0.68	0.00	1.23
	33 kV	5.22	3.91	8.00%	0.21	0.00	1.09
	132 kV	4.30	3.91	4.13%	0.08	0.00	0.31
HT IV(A&B)	Lift Irrigation & Agriculture & CPWS						
	11 Kv	1.31	3.91	13.52%	0.68	0.00	0.00
	33 Kv	2.30	3.91	8.00%	0.21	0.00	0.00
	132 kV	2.58	3.91	4.13%	0.08	0.00	0.00
HT V(A)	Railway Traction	4.28	3.91	4.13%	0.08	0.00	0.29
HT VI	Townships and Residential Colonies						
	11 Kv	4.00	3.91	13.52%	0.68	0.00	0.00
	33 Kv	4.00	3.91	8.00%	0.21	0.00	0.00
	132 kV	0.00	3.91	4.13%	0.08	0.00	0.00

HT	Temporary Supply	8.55	3.91	13.52%	0.68	0.00	3.96
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CSS Calculation for FY 2010-11 – TSNPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T& D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.00	3.91	19.60%	1.43	0.00	0.00
LT II (A, B & C)	Non-Domestic/Commercial	5.68	3.91	19.60%	1.43	0.00	0.33
LT III (A&B)	Industrial	4.78	3.91	19.60%	1.43	0.00	0.00
LT III SSI	SSI Units	4.75	3.91	19.60%	1.43	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	2.17	3.91	19.60%	1.43	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.00	3.91	19.60%	1.43	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	1.34	3.91	19.60%	1.43	0.00	0.00
LT VII (A&B)	General Purpose	4.27	3.91	19.60%	1.43	0.00	0.00
LT VIII (A&B)	Temporary Supply	2.89	3.91	19.60%	1.43	0.00	0.00
HT Categories							
HT I	Industry Segregated						
	11 kV	4.46	3.91	12.61%	0.51	0.00	0.03
	33 kV	3.83	3.91	8.20%	0.18	0.00	0.00
	132 kV	3.39	3.91	4.13%	0.08	0.00	0.00
HT - II	Industry Others						
	11 kV	5.45	3.91	12.61%	0.51	0.00	1.02
	33 kV	4.80	3.91	8.20%	0.18	0.00	0.71
	132 kV	14.79	3.91	4.13%	0.08	0.00	10.80
HT IV(A&B)	Lift Irrigation & Agriculture & CPWS						
	11 Kv	2.05	3.91	12.61%	0.51	0.00	0.00
	33 Kv	2.50	3.91	8.20%	0.18	0.00	0.00
	132 kV	2.53	3.91	4.13%	0.08	0.00	0.00
HT V(A)	Railway Traction	4.28	3.91	4.13%	0.08	0.00	0.29
HT VI	Townships and Residential Colonies						
	11 Kv	4.00	3.91	12.61%	0.51	0.00	0.00
	33 Kv	4.00	3.91	8.20%	0.18	0.00	0.00
	132 kV	4.00	3.91	4.13%	0.08	0.00	0.01
HT	RESCOs	0.41	3.91	12.61%	0.51	0.00	0.00

CSS Calculation for FY 2011-12 – TSSPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T & D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.97	4.30	20.88%	2.44	0.00	0.00
LT II (A & B)	Non-Domestic/ Commercial	6.10	4.30	20.88%	2.44	0.00	0.00
LT II (C)	Advertisement Hoardings	2.00	4.30	20.88%	2.44	0.00	0.00
LT III (A&B)	Industrial	5.04	4.30	20.88%	2.44	0.00	0.00
LT III - SSI	Industrial SSI Units	4.78	4.30	20.88%	2.44	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	2.44	4.30	20.88%	2.44	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.02	4.30	20.88%	2.44	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	2.52	4.30	20.88%	2.44	0.00	0.00
LT VII (A&B)	General Purpose	4.38	4.30	20.88%	2.44	0.00	0.00
LT VIII (A&B)	Temporary Supply	2.37	4.30	20.88%	2.44	0.00	0.00
HT Categories							
HT I	Industry Segregated						
	11 kV	4.56	4.30	13.25%	0.77	0.00	0.00
	33 kV	3.84	4.30	7.96%	0.25	0.00	0.00
	132 kV	3.58	4.30	4.10%	0.10	0.00	0.00
HT I (B)	Ferro Alloys						
	11 kV	2.65	4.30	13.25%	0.77	0.00	0.00
	33 kV	2.65	4.30	7.96%	0.25	0.00	0.00
	132 kV	2.65	4.30	4.10%	0.10	0.00	0.00
HT - II	Industry Others						
	11 kV	6.12	4.30	13.25%	0.77	0.00	0.39
	33 kV	5.37	4.30	7.96%	0.25	0.00	0.45
	132 kV	4.68	4.30	4.10%	0.10	0.00	0.09
HTIV(A&B)	Lift Irrigation & Agriculture						
	11 Kv	1.62	4.30	13.25%	0.77	0.00	0.00
	33 Kv	2.24	4.30	7.96%	0.25	0.00	0.00
	132 kV	2.60	4.30	4.10%	0.10	0.00	0.00
HT V(A)	Railway Traction	4.45	4.30	4.10%	0.10	0.00	0.00
HT VI	Townships and Residential Colonies						
	11 Kv	5.77	4.30	13.25%	0.77	0.00	0.04
	33 Kv	6.23	4.30	7.96%	0.25	0.00	1.30
	132 kV	0.00	4.30	4.10%	0.10	0.00	0.00
HT	Temporary Supply (11Kv)	6.45	4.30	13.25%	0.77	0.00	0.72

CSS for FY 2011-12 – TSNPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T & D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.09	4.30	18.93%	1.57	0.00	0.00
LT II (A&B)	Non-Domestic/Commercial	5.79	4.30	18.93%	1.57	0.00	0.00
LT II (C)	Advertisement Hoardings	2.00	4.30	18.93%	1.57	0.00	0.00
LT III (A&B)	Industrial	5.32	4.30	18.93%	1.57	0.00	0.00
LT III - SSI	Industrial SSI Units	4.74	4.30	18.93%	1.57	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	2.63	4.30	18.93%	1.57	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.01	4.30	18.93%	1.57	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	1.77	4.30	18.93%	1.57	0.00	0.00
LT VII (A&B)	General Purpose	4.49	4.30	18.93%	1.57	0.00	0.00
LT VIII (A&B)	Temporary Supply	0.18	4.30	18.93%	1.57	0.00	0.00
HT Categories							
HT I	Industry Segregated						
	11 kV	4.33	4.30	12.35%	0.59	0.00	0.00
	33 kV	3.84	4.30	8.03%	0.22	0.00	0.00
	132 kV	3.48	4.30	4.10%	0.10	0.00	0.00
HT - II	Industry Others						
	11 kV	5.58	4.30	12.35%	0.59	0.00	0.09
	33 kV	4.88	4.30	8.03%	0.22	0.00	0.00
	132 kV	13.73	4.30	4.10%	0.10	0.00	9.14
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 Kv	2.15	4.30	12.35%	0.59	0.00	0.00
	33 Kv	2.60	4.30	8.03%	0.22	0.00	0.00
	132 kV	2.60	4.30	4.10%	0.10	0.00	0.00
HT V(A)	Railway Traction	4.45	4.30	4.10%	0.10	0.00	0.00
HT VI	Townships and Residential Colonies						
	11 Kv	4.81	4.30	12.35%	0.59	0.00	0.00
	33 Kv	5.44	4.30	8.03%	0.22	0.00	0.54
	132 kV	5.07	4.30	4.10%	0.10	0.00	0.49
HT	Temporary Supply (11Kv)	0.00	4.30	12.35%	0.59	0.00	0.00
HT	RESCOs(11Kv)	0.47	4.30	12.35%	0.59	0.00	0.00

CSS for FY 2012-13 – TSSPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T& D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	3.25	3.89	20.53%	1.66	-	-
LT II (A&B)	Non-Domestic /Commercial	6.67	3.89	20.53%	1.66	-	0.12
LT II (C)	Advertising Hoardings	9.00	3.89	20.53%	1.66	-	2.45
LT III (A&B)	Industrial	5.76	3.89	20.53%	1.66	-	-
LT-III(B)	SSI Units	6.79	3.89	20.53%	1.66	-	0.24
LT IV (A&B)	Cottage Industries & Dhobighats	2.81	3.89	20.53%	1.66	-	-
LT V (A, B & C)	Irrigation & Agriculture	0.02	3.89	20.53%	1.66	-	-
LT VI (A&B)	Local Bodies, Street Lighting & PWS	3.11	3.89	20.53%	1.66	-	-
LT VII (A&B)	General Purpose	5.85	3.89	20.53%	1.66	-	-
LT VIII (A&B)	Temporary Supply	7.50	3.89	20.53%	1.66	-	0.95
HT Categories							
HT I	Industry Segregated						
	11 kV	5.80	3.89	12.95%	0.78	-	0.56
	33 kV	4.95	3.89	7.89%	0.26	-	0.47
	132 kV	4.42	3.89	4.06%	0.10	-	0.26
	HT-I(B): FERRO ALLOY UNITS						
	11 kV	4.48	3.89	12.95%	0.78	-	-
	33 kV	4.05	3.89	7.89%	0.26	-	-
	132 kV	3.65	3.89	4.06%	0.10	-	-
HT II	Others						
	11 kV	7.13	3.89	12.95%	0.78	-	1.89
	33 kV	6.31	3.89	7.89%	0.26	-	1.84
	132 kV	6.01	3.89	4.06%	0.10	-	1.85
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	2.37	3.89	12.95%	0.78	-	-
	33 kV	2.83	3.89	7.89%	0.26	-	-
	132 kV	3.25	3.89	4.06%	0.10	-	-
HT V(A)	Railway Traction	5.43	3.89	4.06%	0.10	-	1.28
HT VI	Townships and Residential Colonies						
	11 kV	5.64	3.89	12.95%	0.78	-	0.40
	33 kV	5.97	3.89	7.89%	0.26	-	1.49
	132 kV	0.00	3.89	4.06%	0.10	-	-
HT	Temporary Supply	6.45	3.89	12.95%	0.78	-	1.21

CSS for FY 2012-13 – TSNPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T& D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	2.71	3.89	18.55%	0.99	0.00	0.00
LT II (A& B)	Non-Domestic/ Commercial	6.39	3.89	18.55%	0.99	0.00	0.62
LT II (C)	Advertising Hoardings	9.00	3.89	18.55%	0.99	0.00	3.23
LT III (A&B)	Industrial	6.20	3.89	18.55%	0.99	0.00	0.44
LT-III(B)	SSI Units	6.27	3.89	18.55%	0.99	0.00	0.50
LT IV (A&B)	Cottage Industries & Dhobighats	3.05	3.89	18.55%	0.99	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.00	3.89	18.55%	0.99	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	2.53	3.89	18.55%	0.99	0.00	0.00
LT VII (A&B)	General Purpose	4.47	3.89	18.55%	0.99	0.00	0.00
LT VIII (A&B)	Temporary Supply	7.50	3.89	18.55%	0.99	0.00	1.73
HT Categories							
HT I	Industry Segregated						
	11 kV	5.84	3.89	12.04%	0.60	0.00	0.83
	33 kV	5.17	3.89	7.90%	0.23	0.00	0.73
	132 kV	4.98	3.89	4.06%	0.10	0.00	0.83
HT II	Others						
	11 kV	6.83	3.89	12.04%	0.60	0.00	1.81
	33 kV	10.44	3.89	7.90%	0.23	0.00	5.99
	132 kV	15.33	3.89	4.06%	0.10	0.00	11.18
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	3.02	3.89	12.04%	0.60	0.00	0.00
	33 kV	3.25	3.89	7.90%	0.23	0.00	0.00
	132 kV	3.25	3.89	4.06%	0.10	0.00	0.00
HT V(A)	Railway Traction	5.43	3.89	4.06%	0.10	0.00	1.28
HT VI	Townships and Residential Colonies						
	11 kV	5.18	3.89	12.04%	0.60	0.00	0.17
	33 kV	5.39	3.89	7.90%	0.23	0.00	0.95
	132 kV	5.09	3.89	4.06%	0.10	0.00	0.94
HT	RESCOs	0.66	3.89	7.90%	0.23	0.00	0.00

CSS for FY 2013-14 & FY 2014-15 – TSSPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T& D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	3.84	4.80	19.46%	2.42	0.00	0.00
LT II (A, B & C)	Non-Domestic/ Commercial	8.56	4.80	19.46%	2.42	0.00	0.18
LT III (A&B)	Industrial	6.89	4.80	19.46%	2.42	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	4.07	4.80	19.46%	2.42	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.02	4.80	19.46%	2.42	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	5.48	4.80	19.46%	2.42	0.00	0.00
LT VII (A&B)	General Purpose	6.56	4.80	19.46%	2.42	0.00	0.00
LT VIII (A&B)	Temporary Supply	9.66	4.80	19.46%	2.42	0.00	1.28
HT Categories							
HT I(A)	Industry Segregated						
	11 kV	7.57	4.80	12.46%	0.78	0.00	1.30
	33 kV	6.45	4.80	7.85%	0.26	0.00	0.98
	132 kV	5.90	4.80	4.02%	0.10	0.00	0.79
HT I(B)	Ferro Alloys						
	11 kV	5.41	4.80	12.46%	0.78	0.00	0.00
	33 kV	4.98	4.80	7.85%	0.26	0.00	0.00
	132 kV	4.58	4.80	4.02%	0.10	0.00	0.00
HT - II	Industry Others						
	11 kV	9.00	4.80	12.46%	0.78	0.00	2.73
	33 kV	8.42	4.80	7.85%	0.26	0.00	2.95
	132 kV	7.31	4.80	4.02%	0.10	0.00	2.20
HT - III	Airports, Bus Stations & Railway Stations						
	132 kV	6.60	4.80	4.02%	0.10	0.00	1.49
HT IV(A&B)	Lift Irrigation & Agriculture						
	132kV	5.21	4.80	4.02%	0.10	0.00	0.11
HT V(A)	Railway Traction	6.36	4.80	7.85%	0.26	0.00	0.89
HT VI	Townships & Residential Colonies	5.91	4.80	12.46%	0.78	0.00	0.00
HT	Temporary Supply	18.80	4.80	12.46%	0.78	0.00	12.53

CSS for FY 2013-14 and FY 2014-15– TSNPDCL

Consumer Category		Average realisation	Weighted average PP cost	Aggregate loss %	Aggregate T& D charge	Cost of carrying Regulatory asset	CSS
LT Categories							
LT I (A&B)	Domestic	3.20	4.80	17.95%	1.56	0.00	0.00
LT II (A, B & C)	Non-Domestic/Commercial	8.52	4.80	17.95%	1.56	0.00	1.11
LT III (A&B)	Industrial	7.17	4.80	17.95%	1.56	0.00	0.00
LT IV (A&B)	Cottage Industries & Dhobighats	4.60	4.80	17.95%	1.56	0.00	0.00
LT V (A, B & C)	Irrigation & Agriculture	0.00	4.80	17.95%	1.56	0.00	0.00
LT VI (A&B)	Local Bodies, Street Lighting & PWS	5.08	4.80	17.95%	1.56	0.00	0.00
LT VII (A&B)	General Purpose	6.38	4.80	17.95%	1.56	0.00	0.00
LT VIII (A&B)	Temporary Supply	9.43	4.80	17.95%	1.56	0.00	2.02
HT Categories							
HT I(A)	Industry Segregated						
	11 kV	7.65	4.80	11.78%	0.59	0.00	1.62
	33 kV	6.57	4.80	7.86%	0.23	0.00	1.13
	132 kV	6.19	4.80	4.02%	0.10	0.00	1.08
HT - II	Industry Others						
	11 kV	8.60	4.80	11.78%	0.59	0.00	2.56
	33 kV	11.70	4.80	7.86%	0.23	0.00	6.26
	132 kV	20.37	4.80	4.02%	0.10	0.00	15.26
HT IV(A&B)	Lift Irrigation & Agriculture						
	132Kv	5.37	4.80	4.02%	0.10	0.00	0.26
HT V(A)	Railway Traction	6.36	4.80	7.86%	0.23	0.00	0.92
HT VI	Townships & Residential Colonies (11Kv)	5.81	4.80	11.78%	0.59	0.00	0.00
HT	Temporary Supply (11Kv)	0.00	4.80	11.78%	0.59	0.00	0.00
HT	RESCOs (11Kv)	0.86	4.80	11.78%	0.59	0.00	0.00

This order is corrected and signed on this the 6th day of April, 2018.

**Sd/-
(H. SRINIVASULU)
MEMBER**

**Sd/-
(ISMAIL ALI KHAN)
CHAIRMAN**

//CERTIFIED COPY//