



**ORDER
OF THE
WEST BENGAL ELECTRICITY REGULATORY COMMISSION**

FOR THE YEAR 2014 – 2015 AND 2015 – 2016

IN

CASE NO: TP – 57 / 13 - 14

**IN RE THE TARIFF APPLICATION OF DAMODAR VALLEY
CORPORATION FOR THE YEARS**

2014-2015, 2015-2016 and 2016-2017

UNDER SECTION 64(3)(a)

READ WITH SECTION 62(1) AND SECTION 62(3)

OF THE ELECTRICITY ACT, 2003

DATE: 25.05.2015



CHAPTER – 1 INTRODUCTION

- 1.1 The West Bengal Electricity Regulatory Commission (hereinafter referred to as the “Commission”), a statutory body under the first proviso to section 82(1) of the Electricity Act, 2003 (hereinafter referred to as the “Act”), has been authorized in terms of the section 86 and section 62(1) of the Act to determine the tariff for a) supply of electricity by a generating company to a distribution licensee, b) transmission of electricity, c) wheeling of electricity and d) retail sale of electricity, as the case may be, within the State of West Bengal.
- 1.2 Damodar Valley Corporation (hereinafter referred to as DVC’ or the ‘Petitioner’), is a statutory body incorporated under the Damodar Valley Corporation Act, 1948 and undertakes multifarious functions. In regards to the electricity, DVC undertakes generation of electricity at their plants situated in two states viz. West Bengal and Jharkhand and is therefore a generating company within the meaning of Section 2 (28) of the Electricity Act, 2003. DVC also undertakes transmission of electricity in the Damodar Valley area which falls within the territorial limits of the two states namely, West Bengal and Jharkhand. It, therefore, undertakes inter-state transmission of electricity and operates inter-state transmission system within the meaning of Section 2 (36) of the Electricity Act, 2003. DVC also undertakes the sale of electricity to West Bengal State Electricity Distribution Company Limited (WBSEDCL) and Jharkhand State Electricity Board (JSEB) in its capacity generally as a generating company. This is bulk sale of electricity by a generating company to a distribution licensee within the meaning of section 62 (1) of the Electricity Act, 2003. In addition to the above, DVC undertakes the retail sale and supply of electricity to the consumers in the Damodar Valley area which falls in two contiguous States, namely State of West Bengal and the State of Jharkhand.
- 1.3 DVC being a statutory body constituted under the DVC Act, 1948, is a Central Public Sector Undertaking (CPSU). As envisaged under Section 79 (1) (a) of the



Electricity Act, 2003, the tariff for generation of electricity is to be decided by the Central Electricity Regulatory Commission (CERC). Similarly, with regards to the inter-state transmission, DVC again is regulated by CERC and tariff for composite (inter-state) generation and transmission is to be determined by the CERC in terms of Section 79(1) (c) and (d) of the Electricity Act, 2003.

- 1.4 With regards to the retail sale and supply of electricity, DVC covers the entire Damodar Valley area which falls in two contiguous States, namely the State of West Bengal and the State of Jharkhand. Thus, tariff for retail sale and supply of electricity in the Damodar Valley area is governed by the provisions of Section 62 (d) read with Section 86 (1) of the Electricity Act, 2003 and has to be determined by the respective Electricity Regulatory Commissions in the states of West Bengal and Jharkhand.
- 1.5 West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 in supersession of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2007 notified vide no. 31/WBERC dated 09.02.2007 with all its amendments (in short 'Tariff Regulations, 2007'), has been published vide notification no. 48/WBERC dated 25.04.2011 and came into effect with effect from 29th April, 2011, i.e., the date of its publication. The said Tariff Regulations, 2011 was subsequently amended by notifying the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) (Amendment) Regulations, 2012 and West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) (Amendment) Regulations, 2013 in the extra ordinary edition of The Kolkata Gazette dated 27th August, 2012 and 30th July, 2013 respectively.
- 1.6 In terms of West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011, as amended from time to time (hereinafter referred to as the 'Tariff Regulations'), the tariff application for the fourth control period consisting of the years 2014 – 2015, 2015 – 2016 and 2016



- 2017 under the Multi Year Tariff (MYT) framework was required to be submitted by DVC 120 days in advance of the effective date of the said control period. The effective date of the fourth control period is 1st April, 2014. DVC submitted an application on 02.12.2013 to allow them at least eight (8) weeks time from 30.11.2013 for submission of their MYT application for the forth control period. The Commission, after considering the application received from some other distribution licensees, the transmission licensee and the generating company for extension of time for submission of MYT application, decided to extend the time for submission of MYT application for the fourth control period by the distribution licensees, transmission licensee and generating company upto 31.12.2013 and accordingly issued an order dated 02.12.2013 which was communicated to DVC also. DVC, however, submitted another application on 27.12.2013 for further extension of time for four (4) weeks from 31.12.2013 on the plea that it would not be possible for them to finalize the MYT application for the period 2014 – 2015 to 2016 – 2017 within 31.12.2013 due to collection of various data from the field formations and some procedural delay towards compliance of regulatory formalities. The Commission vide order dated 31.12.2013 extended the time for submission of MYT application by DVC for the fourth control period upto 15.01.2014.
- 1.7 DVC submitted their application for MYT for the fourth control period on 15.01.2014 in an incomplete status. After several correspondences DVC, however, submitted the requisite forms / documents on 11.04.2014 and 13.06.2014.
- 1.8 The tariff application of DVC dated 15.01.2014 along with the additional information submitted by DVC on 11.04.2014 and 13.06.2014 (collectively called as “tariff petition”) had been admitted by the Commission on 15.07.2014 and numbered as TP-57/13-14.



- 1.9 After admission of the tariff petition DVC was directed to publish the gist of the tariff petition, as approved by the Commission, in the newspapers and also in their website as specified in the Tariff Regulations. The gist was, accordingly, published simultaneously on 23.07.2014 in 'Ananda Bazar Patrika', 'Bartaman' 'Times of India' and 'Sanmarg'. The gist along with the copy of the tariff petition was also posted in the website of DVC. The published gist invited the attention of all interested parties, stake holders and the members of the public to the petition for determination of tariff of DVC for the fourth control period and requested for submission of objections, comments etc., if any, on the tariff petition to the Commission by 20.08.2014 at the latest. Opportunities were also afforded to all to inspect the tariff application and take copies thereof.
- 1.10 Maithon Alloys Limited, having office at 1/1 Camac Street, 9, AJC Bose Road, 4th floor, Kolkata 700 017, requested for extension of the due date of submission of suggestions, objections by 15 days on 14.08.2014. The Commission, however, decided to extend the date of submission of suggestions, objections and comments on the tariff petition of DVC for 2014 – 2015 to 2016 – 2017 upto 03.09.2014 and accordingly a notice was published in the newspapers in which the earlier notice was published. The notice was also uploaded in the website of DVC.
- 1.11 Suggestions / Objections / comments on the aforementioned tariff petition of DVC were received by the Commission from the following objectors within the stipulated time.
1. West Bengal State Electricity Distribution Company Limited (WBSEDCL)
 2. Nilkanth Ferro Limited
 3. Impex Steel Limited
 4. VSP Udyog Private Limited



5. Hira Concast Limited
 6. Shree Ambay Ispat Private Limited
 7. India Power Corporation Limited
- 1.12 Objections and suggestions on the tariff petition in question have been dealt with separately in Chapter – 3.
- 1.13 A writ petition was filed before the Hon'ble High Court at Calcutta on 25.08.2014 by Damodar Valley Power Consumer's Association and Anrs challenging the tariff petition filed by DVC to the Commission on the ground that the generation tariff of DVC for the years 2014 to 2019 was not finalized by CERC. Hon'ble High Court at Calcutta passed an order dated 03.12.2014 in W.P. No. 21413 (W) of 2014 and dismissed the writ petition.
- 1.14 This order relates to tariff petition filed by the Petitioner before the Commission for determination of ARR from FY 2014-15 to FY 2016-17 and determination of retail tariff for FY 2014-15 and 2015-16 for supply in Damodar Valley area falling within the territorial jurisdiction of the State of West Bengal. The Order is in accordance with Sections 61, 62 and 64 of the Electricity Act,2003 and provisions of the Tariff Regulations.



CHAPTER – 2 THE CASES OF DVC

2.1 Brief history on the tariff petitions filed by DVC:

2.1.1 As per Order dated 29.03.2005 of CERC in petition No. 168/2004 (*Suo Motu*), DVC submitted the application for determination of Tariff for sale of electricity by DVC and inter-state Transmission of electricity and CERC passed an Order dated 3rd October 2006 against the Petition No. 66/2005 filed by DVC for generation tariff and inter-state transmission of electricity. DVC filed an appeal on 16th November 2006 before Appellate Tribunal for Electricity against the Order dated 3rd October 2006 passed by CERC [Appeal No. 273 of 2006].

2.1.2 WBERC preferred an appeal being No. 8 of 2007 (WBERC- Vs – CERC & Ors) on 08.01.2007 and the same was admitted on 15.01.2007 by the Hon'ble Appellate Tribunal for Electricity. The following Appeals had also been filed:

- (a) Appeal No 273 of 2006 - DVC -Vs- CERC & Ors
- (b) Appeal No 275 of 2006 - State of Jharkand -Vs- CERC & Ors
- (c) Appeal No 271 of 2006 - Maithan Alloys Ltd. & Ors –Vs- CERC & Ors
- (d) Appeal No 272 of 2006 - Bhaskar Shrachhi Alloyes -Vs- CERC & Ors Ltd. & Ors.

The aforesaid appeals were tagged with our Appeal No 8 of 2007 and were partly heard.

2.1.3 In terms of the interim order dated 14.03.2007 of the Appellate Tribunal for Electricity (in short "Appellate Tribunal") in Appeal No. 273 of 2006 (Appeal No. 8



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- of 2007 of the Commission), DVC submitted an application on 02.04.2007 in regard to fixation of retail tariff for power supply of DVC in the State of West Bengal for the year 2006-07 (Commission File No. TP-33/07-08). The same was admitted by the Commission on 03.04.2007. A gist of tariff revision application approved by Commission was published by DVC in an abridged form on 12.04.2007 in the leading dailies, inviting objections and comments etc from the public and stakeholders. On the basis of the orders dated 14.03.2007 and 16.09.2009 of the Appellate Tribunal the Commission was restrained to pass any order on the application of DVC for the year 2006 – 2007. DVC subsequently submitted two separate tariff petitions for the years 2006 – 2007 to 2008 – 2009 and 2009 – 2010 to 2010 – 2011 on 03.11.2011 which were admitted by the Commission in TP-43/09-10 and TP-44/06-10 respectively. The Commission thus passed an order dated 12.02.2010 to close the case no. TP-33/07-08.
- 2.1.4 The above appeals were moved before the Hon'ble Justice Anil Dev Singh and the Hon'ble Member A. A. Khan in the Appellate Tribunal for Electricity on 14.05.2007 and 15.05.2007 and they did not pass any order for granting liberty to WBERC to pass the provisional tariff order. Instead they opined that since they are hearing all the matters, it would be better to wait for the outcome of these appeals. Learned Appellate Tribunal for Electricity passed a common final judgement and order dated 23 November, 2007 in above mentioned Appeal including our Appeal No. 8 of 2007.
- 2.1.5 Being dissatisfied with the said order of the Appellate Tribunal this Commission filed an Appeal Bearing No. 804/08 in the Hon'ble Supreme Court. No interim order has been passed by the Hon'ble Supreme Court for stay of the order dated 23 Nov. 2007 of Learned Appellate Tribunal for Electricity. The Appeal is still pending.



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- 2.1.6 Since there is no interim order for staying the order of Learned Appellate Tribunal for Electricity, CERC in terms of the order dated 23 Nov. 2007 of Learned Appellate Tribunal for Electricity has determined afresh the generation and transmission tariff of DVC for the period from 01.04.2006 to 31.03.2009 vide their order dated 06.08.2009.
- 2.1.7 Though DVC has filed an Appeal being No. 146 of 2009 before the Learned Appellate Tribunal for Electricity against the order dated 06.08.2009 of CERC, they have submitted following tariff petitions to this Commission:
- (i) Tariff Petition (affidavit dated 29.10.2009 and forwarding letter dated 30.10.2010) received on 03.11.2009 for 2006-07 to 2008-09 in file no. TP 43/09-10 of the Commission.
 - (ii) Tariff Petition (affidavit dated 29.10.2009 and forwarding letter dated 30.10.2010) received on 03.11.2009 for 2009-10 and 2010-11 in file no. TP-44/09-10 of the Commission.
- 2.1.8 A letter bearing no. WBERC/TP-43 & TP-44/09-10/1107 dated 12.02.2010 was issued to DVC pointing out some deficiencies in the tariff petition and some other requirements. DVC was advised to fulfill those requirements.
- 2.1.9 DVC submitted information with their letter no. COML/WBERC/TARIFF-4845 dated 22.06.2011.
- 2.1.10 Interim order has been passed by Learned Appellate Tribunal for Electricity on 16.09.2009 in the IA related to the Appeal No. 146 of 2009 to the effect that the Commissions (WBERC & JSERC) may proceed to fix the Retail Supply Tariff but not to pass any final order in this regard.
- 2.1.11 DVC filed an Appeal bearing no. 7722 of 2009 before the Hon'ble Supreme Court challenging the interim order dated 28.10.2009 passed by Hon'ble Appellate Tribunal in IA NO 300/09 in Appeal no. 146 of 2009. Hon'ble Supreme Court vide



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its order dated 06.01.2010 disposed of the appeal of DVC by modifying the order of Appellate Tribunal with the direction that instead of indicating those applications for impleadment could be filed, the publication to be made should indicate that objections could be filed in the proceedings before the CERC by any of the HT consumers. Having regard to the dispute, Hon'ble Supreme Court requests the Tribunal to dispose of the pending appeal, if possible, within a period of three months from the date of communication of the order. Finally Hon'ble Appellate Tribunal passed an order on 10.05.2010 in Appeal No. 146 of 2009 and related IAs with the following observations:

“With this observation, this appeal is dismissed as devoid of merits, consequently all the IAs are disposed of. No order on to costs.”

2.1.12 Among the other directions in the order Hon'ble Appellate Tribunal has given the following direction:

“Thereafter, the DVC is directed to approach the concerned State Electricity Commission for getting the final order relating to the Retail Tariff who in turn will fix the retail tariff according to law.”

2.1.13 DVC submitted an application for generation and transmission tariff for 2009-10 to 2013-14 before CERC. CERC passed an order dated 23.06.2011 determining provisional tariff of DVC for generation, transmission for the years 2009-10 to 2013-14.

2.1.14 DVC submitted an application for tariff for the years 2011-12 to 2013-14 to this Commission vide their no. COM/TARIFF/WBERC/5998 dated 12.09.2011 and additional information submitted vide no. COM/TARIFF/WBERC/7160 dated 14.12.2011 in reply to letter no. WBERC/TP-52/11-12/0722 dated 18.11.2011 of the Commission.



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- 2.1.15 The tariff application of DVC dated 12.09.2011 along with the additional information submitted by DVC on 15.12.2011 had been admitted by the Commission on 31.07.2013 and DVC was advised to publish the gist of the application in the newspapers inviting suggestions and objection from the stakeholders and the public as per provision of the Tariff Regulations.
- 2.1.16 A gist of the application dated 12.09.2011 along with the additional information received on 15.12.2011 was published simultaneously in 'Ananda Bazar Patrika', 'Bartaman', 'Times of India' and 'Sanmarg' on 10.08.2013 inviting suggestions and objections on the application. The gist along with the tariff petition was also posted in the website of DVC.
- 2.1.17 The matter was challenged before the Hon'ble High Court at Calcutta in WP No. 27044(W) of 2013 by M/s Bhaskar Shrachi Alloys Limited and Anrs., the consumers of DVC, on the ground that the order dated 23.06.2011 of CERC determining the provisional tariff of DVC for generation and transmission for the years 2009 – 2010 to 2013 – 2014 based on which the tariff application dated 12.09.2011 was filed by DVC, had been set aside by Hon'ble High Court at Calcutta vide order dated 07.12.2012. A writ petition was also filed by Impex Ferro Tech Limited and other before the Hon'ble High Court at Calcutta in W.P. No. 35245 (W) of 2013 challenging the energy bill preferred by DVC on the basis of the provisional tariff order dated 23.06.2011 of CERC. Hon'ble High Court at Calcutta passed an order dated 20.12.2013 in W.P. No. 35245 (W) of 2013 directing DVC to file application for determination of retail tariff in terms of the order dated 30.09.2013 of Central Electricity Regulatory Commission as also in terms of the Tariff Regulations dated 25.04.2011 before the State Commission for the period 2009 – 2014 and also directing the State Commission to dispose the matter preferably within a period of 120 days but not later than six months from the date of filing of the said petition after giving a reasonable opportunity of hearing to the respective parties.



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- 2.1.18 DVC submitted a petition dated 26.12.2013 with the captioned subject “petition for submission of revised input cost as per final determination of tariff by CERC pertaining to generation & T&D network of DVC in respect of distribution and retail supply for electricity for the part of the Damodar Valley area falling within the territory of State of West Bengal for the years 2006 – 2007 to 2013 – 2014” on 26.12.2013. DVC vide letter no. WBERC/TP-52/11-12/1586 dated 30.12.2013 was communicated to abide by the direction given in the order passed by the Hon’ble High Court at Calcutta on 20.12.2013 in W.P. No. 35245(W) of 2013 and to submit their application for determination of retail tariff for the years 2009 – 2014 in accordance with the provision of the Tariff Regulations.
- 2.1.19 DVC on 03.02.2014 submitted an application dated 03.02.2014 for determination of tariff for distribution and retail supply of electricity for the part of the Damodar Valley area falling within the territory of the State of West Bengal for the years 2009 – 2014 along with the data formats.
- 2.1.20 After scrutiny of the documents submitted by DVC on 03.02.2014, DVC, vide letter no. WBERC/TP-52/11-12/1812 dated 14.02.2014 was asked to submit some other information / documents which were not submitted along with their application dated 03.02.2014 in accordance with the Tariff Regulations. DVC submitted the required further information / documents on 11.03.2014. On scrutiny of the documents submitted by DVC on 11.03.2014, DVC was asked to submit further information/documents vide letter WBERC/TP-52/11-12/1942 dated 14.03.2014. DVC submitted requirements information / documents on 03.04.2014 and 28.04.2014. The petition of DVC along with the documents / information submitted by DVC from time to time (collectively called as ‘tariff petition for 2009-14’) has been admitted by the Commission.
- 2.1.21 After admission of the petition along with the additional information, DVC was directed to publish the gist of the tariff petition along with the additional



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information, as approved by the Commission, in the newspapers and also in their website, as specified in the Tariff Regulations. The gist of the petition was published simultaneously on 10th May, 2014 in 'Ananda Bazar Patrika', 'Bartaman', 'The Statesman' and 'Sanmarg'. The gist along with the tariff petition was also posted in the website of DVC. The publication invited the attention of all interested parties, stake holders and the members of the public to the tariff petition of DVC for the third control period and requested for submission of suggestions, objections and comments, if any, on the tariff petition to the Commission by 10.06.2014 at the latest. Opportunities were also afforded to all to inspect the tariff petition and take copies thereof.

2.1.22 An application was filed before the Hon'ble High Court at Calcutta in R.V. W. 33 of 2014 by the Commission for review of the order dated 20.12.2013 regarding hearing issue and to remove the defects. An order was passed by the Hon'ble High Court at Calcutta on 31.07.2014 with the following observations:

“..... The purpose of giving an opportunity of hearing to the concerned and respective parties to ensure that a fair procedure is followed and the Commission could arrive at a just and fair conclusion on consideration of all the materials that are placed before the Tribunal. Even if in a situation where the statute may be silent with regard to giving an opportunity of hearing, the statutory authority in order to arrive at a just conclusion can give an opportunity of hearing to the persons whose opinion or views, the authority might feel it necessary to arrive at a proper conclusion.

The application being R.V.W. 33 of 2014 accordingly stands disposed of with the aforesaid observations.”



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2.1.23 An application was filed by the Commission before the Hon'ble High Court at Calcutta on 03.09.2014 challenging the order dated 31.07.2014 in R.V.W. 33 of 2014. Hearing on appeal concluded on 19.03.2015 but the Hon'ble Court reserved the judgement.

2.1.24 The order on the tariff petition submitted by DVC for 2009-10 to 2013-14 thus kept pending.

2.1.25 The Commission now decides to go with the tariff petition submitted by DVC for 2014-15 to 2016-17 as there is no bar to determine the tariff for the year 2014 – 2015 to 2016 – 2017 as the writ petition filed against the tariff petition of DVC for 2014 – 2015 to 2016 – 2017 has already been dismissed by the Hon'ble High Court at Calcutta as detailed in para 1.13 in Chapter 1 of this order.

2.2 Tariff petition of DVC for the period 2014 – 2015 to 2016 – 2017:

2.2.1 The tariff petition of DVC for the years 2014 – 2015 to 2016 – 2017 includes the following:

- (a) Estimation of projected expenditure for the base year 2013 – 2014 based on the tariff order passed by CERC for the years 2009 – 2014 in respect of generating stations and T&D net work of DVC;
- (b) Projection of Aggregate Revenue Requirement ('ARR') for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 based on the financial modalities with necessary assumptions in line with the approach generally adopted by CERC; and
- (c) Projection of retail supply tariffs for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017.

The net Aggregate Revenue Requirement (ARR) projected by DVC for sale to consumers in West Bengal for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 is Rs. 551388.08 lakh, Rs. 648165.27 lakh and Rs. 867919.34 lakh with



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projected average cost of supply at 638.26 paise / kWh, 710.15 paise / kWh and 881.54 paise / kWh respectively.

2.3 The Submission of DVC in the tariff petition for 2014 – 2015 to 2016 – 2017 and the salient features of their proposal are given in the following paragraphs:

2.3.1 DVC is supplying pooled power to its consumers under operational area in both West Bengal and Jharkhand from its own generation and power purchase from central sectors, power exchange and other utilities.

2.3.2 DVC proposed that since it does not have any season wise tariff and load pattern of its consumers remains more or less same throughout the year, uniform rates for all the three seasons may be considered by the Commission. It is also stated that the time strata as specified in the Tariff Regulations of the Commission is different than the time strata it is following now. Therefore, DVC has prayed for allowing some time to implement the time strata as per the Tariff Regulations.

2.3.3 The tariff of DVC's own generating stations and T&D network were passed by CERC for the period 2009-14 and the same is utilized for projection for base year. The cost projection beyond 2013 – 2014 has been derived based on the financial modalities with necessary assumption in line with the approach generally adopted by CERC. Based on the above, 5% escalation of fixed cost in 2014-15 and 2% escalation in fixed cost for 2015-16 and 2016-17 have been considered for cost projection for the DVC's own generating stations. The Energy Charge Rate (ECR) estimation for the DVC's own generating station are computed with applicable CERC formula and past trends of ECR. The ECR of the stations using imported coal is about to increase by 25% on year to year basis after optimum blending whereas ECR for the stations using indigenous coal solely is about to increase by 20%.



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2.3.4 Power purchase cost from different central sector generating stations / power exchange / different utilities / renewable purchase obligation (RPO) has been considered on projection basis for the years 2014 – 2015 and 2015 – 2016. It is submitted that the tariff for NTPC, NHPC & MPL has been determined by CERC for 2009 – 2014 and is due for revision. Like own generating stations the fixed charges for these stations have been projected to increase @ 5% in 2014 – 2015 and @ 2% for 2015 – 2016 and 2016 – 2017 on year to year basis. Energy charges rate for the thermal stations are projected to increase @ 20% on year to year basis. The projection of RPO are made observing market trend for REC prices and cap rates adopted by the Commission.

2.3.5 The net generation from own generating stations and purchase of power during the years 2014 – 2015 to 2016 – 2017, as projected by DVC are as follows:

Particulars	Year		
	2014 – 2015 (in MU)	2015 – 2016 (in MU)	2016 – 2017 (in MU)
Generation from own generating stations	41187	46020	48525
Purchase	3307	3485	3590
Total	44494	49505	52115

2.3.6 DVC has submitted that the sale of energy for the years 2014 – 2015 to 2016 - 2017 to its consumers under its entire command area has been apportioned equitably between West Bengal and Jharkhand proportionate to the consumption pattern in MU and MVA based on the actual load pattern for the year 2013 – 2014. Similarly, the elements of generation tariff and charges towards transmission and distribution activities along with other elements of fixed charges have also been apportioned between West Bengal and Jharkhand according to



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the respective contract demand. However, the energy charge portion is apportioned amongst the two States according to their respective MUs.

2.3.7 Demand charge has been proposed considering the fixed charge allowed provisionally by CERC for generation and T&D system. Demand charge is proposed to be levied on the basis of the following:

- a) Maximum demand recorded during the month or 85% of the contract demands whichever is higher as per provision of Tariff Regulations.
- b) Extra charge in case the consumption of power is in excess of contract demand.

2.3.8 In order to reduce the loss level of system, DVC has proposed to allow rebate to the industrial consumers at 132 kV and 220 kV to encourage high voltage consumers.

2.3.9 Average energy charge under TOD tariff scheme has been proposed to be less than non TOD tariff scheme. Energy charge of 132 kV traction supply has been proposed to be kept lower in order to keep net rate of the same nearer to maximum net rate of 132 kV TOD tariff system due to their inherent consumption patterns with very low load factor.

2.3.10 DVC has proposed a provision for minimum charges in the tariff design in order to ensure recovery of entire fixed charges of own generating stations including composite T&D network. The minimum charge shall be applicable on the contract demands when the sum of the energy charge and demand charge including rebate and surcharge, if any, is less than the minimum charge. Minimum charges excluding taxes, levies, etc., and arrears proposed for all categories of HV consumers are as follows:

2014 – 2015	2015 – 2016	2016 – 2017
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Rs. 860.40 / KVA per month	Rs. 876.36 / KVA per month	Rs. 888.62 / KVA per month
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2.3.11 The power factor (PF) rebate structured on the basis of consumption profile during 2013 – 2014 is proposed to be applicable for $PF \geq 94\%$ in different steps. The same percentage of rebate at different steps has been proposed for consumers of all voltage level.

2.3.12 The load factor (LF) rebate is proposed to be applicable beyond LF of 65% in different steps based on load profile in the preceding year as a whole in DVC command area but the rate of such rebate is different at different voltage levels. The new formulae for computation of load factor for the purpose of billing are proposed to be effective from the date of effect of revised rate.

2.3.13 DVC has proposed surcharge @ 5 paise / kWh for the industrial consumers if the load factor falls below 30% but equal to or above 25% for the amount of energy by which consumptions fall short corresponding to load factor of 30%. Similarly, @ 30 paise / kWh for the load factor below 25% for the amount of energy by which the consumption falls short corresponding to a load factor of 25% but not less than the amount of surcharge that would have been payable for load factor at 25% computed @ 5 paise / kWh.

2.3.14 DVC also proposed rebate for timely payment to be varying with the date of payment starting from 2% downwards. The details are given below:

No. of days from the date of presentation of the bill	Percentage of rebate
Within 2 days	2.00
Within 3 days to 6 days	1.20
Within 7 days to 10 days	0.67
Within 11 days to 14 days	0.13
Within 15 days	0.00



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2.3.15 DVC has submitted that its transmission and distribution activity is composite and integrated in nature. DVC has also submitted that the Commission may consider the losses incurred by DVC at the distribution level in the retail supply of electricity and account for the same in a unified manner keeping in view the composite loss level to be adjusted in the Damodar Valley command area forming part of the States West Bengal and Jharkhand. In this regard, DVC has cited excerpts of an order passed by the Hon'ble Appellate Tribunal on 23.11.2007 which is reproduced below:

“111. DVC has been supplying power from its generating stations to West Bengal Electricity Board and Jharkhand Electricity Board along with nearly 120 HT-Consumers either through inter-state transmission lines or through the point-to-point 'dedicated transmission lines'. We, therefore, conclude that all transmission systems of DVC be considered as unified deemed inter-state transmission system, insofar as the determination of tariff is concerned and as such regulatory power for the same be exercised by the Central Commission.”

2.3.16 It is submitted by DVC that levies, taxes, duties, ULDC charges, RLDC charges, SLDC charges, service tax, etc. that may be charged or levied by various authorities on DVC have been included to the extent they are not part of the tariff determined by CERC and part of the input costs.

2.3.17 It is submitted by DVC that the following factors have been considered as input costs of DVC while preparing the revenue requirements to be recovered from distribution and retail supply tariff for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017:



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- a) The generation and transmission tariffs for those periods projected to be granted by CERC.
- b) The generation tariff for central sector generating companies as has been determined by CERC and appellate authorities in the respective proceedings of such generating companies from whom DVC procure electricity for supply in the Damodar valley command area.
- c) Power purchase cost from other utilities, through exchange and also to meet RPO with the approval of the Commission.
- d) The transmission tariff of Power Grid Corporation from whom DVC avails transmission services as determined by CERC and appellate authorities in the relevant proceedings.
- e) Interest on working capital on account of power purchase cost.
- f) Regulatory fees to the Commission(s).
- g) The cost of distribution and retail supply not included in any of the above.

2.3.18 DVC has been undertaking LT supply for very insignificant quantum of electricity to meet its own colony consumption at different field formations and also to meet the lighting load at Bokaro Railway station and Waria Railway station as a special case since inception at a nominal rate with the approval of DVC board. DVC has prayed before the Commission to allow the petitioner to continue supply of electricity at 415 volt level to its colony and others including lighting load at Railway stations with the overall average tariff of 638.26 paise / kWh, 710.16 paise / kWh and 881.54 paise / kWh for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 respectively, for supply of electricity to its command area.



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- 2.3.19 DVC has submitted that there has been a substantial revenue gap in the recovery of money by DVC on account of non-payment by some consumers either disputed or closure, reference to BIFR etc. which remains outstanding for many months / years and the same is proposed to be treated as a regulatory asset. It has also submitted that the Commission may allow DVC to recover the shortfall through tariff. Accordingly, DVC has prayed for an amount of around Rs. 121333.00 lakh upto 2012 – 2013 to be allowed in the tariff as per provision of the Tariff Regulations or to issue suitable directions as deemed proper for earlier realization of the claim.
- 2.3.20 DVC has submitted that a substantial amount of expenditure is scheduled to be incurred towards social integration programme and subsidiary activities in the discharge of its functions bestowed upon it in terms of the provisions under section 12 of the DVC Act on objects other than irrigation and flood control. It is submitted that this expenditure may kindly be allowed to be recovered through tariff of the generation and supply of electricity.
- 2.3.21 It is submitted that DVC is going to undertake extensive renovation and upgradation of their age old composite and integrated T&D infrastructure which have outlived their useful lives and are more than 40 to 50 years.
- 2.3.22 DVC has filed the tariff petition based on the projected tariff of CERC which will be adjusted as per final determination of tariff by CERC and which are subject to amendment as per subsequent order by any court of law.
- 2.3.23 DVC has proposed a new formula for MVCA computation considering fuel cost adjustment formula stipulated by CERC for their own generating stations.
- 2.3.24 DVC has submitted that in the facts and circumstances mentioned above, the Commission may determine the distribution / retail supply tariff for the Damodar



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valley area falling in the State of West Bengal for period from 01.04.2014 onwards on the basis of tariff formats submitted by them and based on the input costs projected as per the present tariff order of CERC.

2.3.25 It is submitted that DVC has been allowing few consumers for wheeling of power in their periphery spreading over two contiguous States and proposed for determination of wheeling charge in a consolidated manner as a whole for DVC for both the operational area falling in West Bengal and Jharkhand.



CHAPTER – 3 OBJECTIONS AND SUGGESTIONS

- 3.1 Suggestions, objections and comments on the tariff petition of DVC for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 have been received within the stipulated period of time from the persons as mentioned in paragraph 1.11 of Chapter – 1. The main points of the suggestions, objections, comments, etc. so received are summarized in the following paragraphs in this chapter. The views of the Commission on the relevant suggestions, objections, comments etc. are also recorded in this chapter.
- 3.2 West Bengal State Electricity Distribution Company Limited (WBSEDCL) has submitted that DVC as a distribution licensee in West Bengal still restricted their power supply to HV and EHV consumers at 33 KV and above. Since DVC has not been serving any consumers in L&MV level in rural areas of West Bengal, they have not shouldered any liability to serve BPL consumers and agricultural consumers. Even DVC has not developed any infrastructure to provide such service.

WBSEDCL submits before the Commission to pass appropriate order as below:

- a) To make DVC bound to supply power to all categories of consumers in West Bengal by building necessary distribution infrastructure where necessary.
- b) An element of cross-subsidy to be charged on DVC and pass the said cross-subsidy amount to WBSEDCL to reduce tariff of WBSEDCL for ultimate benefit of consumers.

In the matter of (a) above, the Commission has already given necessary direction to DVC and DPSC Limited through an order dated 13.08.2014. The Commission also decides to give necessary direction to DVC regarding building necessary distribution infrastructures again in subsequent chapter. The suggestion of



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WBSEDCL in (b) above is not considered by the Commission as the same is not tenable as per provisions of the Act. WBSEDCL can realize cross-subsidy surcharges in terms of Section 42 of the Act and as per the procedure laid down in WBERC (Open Access) Regulations, 2007 if a consumer in the licensed area of WBSEDCL but outside the licensed area of DVC draws power from DVC through open access.

3.3.1 India Power Corporation Limited (IPCL) has objected the proposed high increase in the tariff of DVC. In their general comments IPCL has submitted that DVC have not kept separate records of assets and liabilities of their power business between the two States. IPCL has also requested to address the following issue:

- a) STU be separated from the distribution/generation activity in accordance with Section 39 of the Electricity Act, 2003.
- b) SLDC/RLDC function be separated in accordance with Section 31 of the Electricity Act, 2003.

In this context the Commission's view is that the formation of SLDC & STU is under the jurisdiction of the State Government under section 31 of the Act and the State Government is required to take necessary action in this regard.

IPCL has also submitted that the Financial Statement for the year 2010-11 to 2011-12 are not accompanied by the Certificate from the Government Auditor and suggested for auditor's certificate.

The Commission has noted the above issue.

3.3.2 IPCL have also suggested for a careful study regarding allocation/apportionment methodology followed by DVC in respect of the common cost to its various functions like power, irrigation, flood control and mining. IPCL has also



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suggested to consider the T&D loss at 2.2% in accordance with the Tariff Regulations.

The Commission will deal the above issues in subsequent chapter while determining the ARR for the years 2014-15, 2015-16 and 2016-17.

- 3.4 The submissions made by Hira Concast Limited (HCL), VSP Udyog Private Limited (VSPUPL) and Impex Steel Limited (ISL) are identical in nature and as such those are dealt as a whole. HCI, VSPUPL and ISL are collectively referred to as 'objectors'.
- 3.4.1 In their general objections the objectors have stated that the Commission lacks jurisdiction to entertain the tariff petition of DVC due to the following reasons:
- a) DVC is not a distribution licensee by virtue of any license granted by the Commission. DVC is a deemed licensee as per provision of the Electricity Act, 2003 and cannot be regarded as a distribution licensee whose tariff can be determined by Jharkhand State Electricity Regulatory Commission or this Commission as it has got no feature of the distribution licensee within the scope and purview of the Act.
 - b) DVC has got no distribution net work within West Bengal making it capable to effect supply of electricity to all type of consumers including domestic supply. As per provision of Section 18 of the DVC Act, DVC is not permitted to sell electricity at less than 30,000 volts and thus the transmission net work of DVC does not satisfy the definition of Distribution System as given in Section 2(19) of the Electricity Act. DVC cannot also act strictly in terms of Section 43 of the Act. It is also stated that according to DVC they have no LT supply within West Bengal.



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- c) As already found by Hon'ble Appellate Tribunal of Electricity (APTEL) in its order dated 23.11.2007 in Appeal No. 273 of 2006, "all transmission system of DVC be considered as unified deemed interstate transmission system, in so far as the determination of tariff is concerned and as such regulatory power for the same may be exercised by the Central Commission". No part of tariff for objector in respect of supply received by them from DVC can be determined by this Commission U/s. 86 of the Electricity Act.
- d) The Central Commission under the provisions of Section 79(1)(b) of the Act is fully competent to determine all the tariff of DVC including tariff for bulk sale of electricity to the beneficiaries.
- e) Any order of either the Hon'ble APTEL or the Central Commission cannot override the provision of Section 79(1)(b) of the Electricity Act.
- f) The order dated 23.11.2007 of the Hon'ble APTEL makes it clear that the CERC is the appropriate Commission to determine the tariff of the petitioner.
- g) In the subsequent appeal there was no issue regarding the competent Commission for determining the retail tariff of DVC. In any event there is no order of the Hon'ble APTEL which directs the Commission to determine the retail tariff of DVC in respect of HT consumers of the state of West Bengal.
- h) In fact from the direction of the Hon'ble Appellate Tribunal of Electricity as given in the order dated 10.05.2010, it shall be evident that unless and until the appeal pending there against before the Hon'ble Supreme Court being Civil Appeal No. 4881 of 2010 is first disposed of, question of determination of any retail tariff of DVC by any of the learned State Commissions does not and cannot arise. The relevant portion of paragraph 107 of the order dated 10.05.2010 of the Hon'ble Appellate Tribunal of Electricity is quoted below:



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“Alternatively the Appellant (DVC) may adjust the excess amount recovered, along with interest at the rate of 6% per annum, in 24 equal monthly prospective instalments, starting from July, 2010 by giving credit in the monthly bills of the consumers/licensees. Thereafter, the DVC is directed to approach the concerned State Electricity Commission for getting the final order relating to the Retail Tariff who in turn will fix the retail tariff according to law”.

Therefore, until and unless the refund, as aforesaid, is made and/or adjusted subject to the pending appeal before the Hon'ble Supreme Court no retail tariff of the DVC for any period after April, 2006 can be made.

- i) In annexure C1 of the Tariff Regulations different classes of consumers have been mentioned, which include LV & MV consumers. In terms of the clause 12.1 of Schedule – 5 of Tariff Regulations, licensee should consider difference classes of consumers which must include the classes of consumers as provided in Annexure – C1. All the classes of consumers mentioned in Annexure – C1 are applicable for DVC but the fact remains that there are no such classes of consumers existing for DVC and therefore no retail tariff can be determined by this Commission and DVC cannot be regarded as a deemed distribution licensee.

Commission's view on the objection raised at 3.4.1 (b) is that the comment of the objectors is inconsistent with the Electricity Act, 2003 and for the purpose direction has already been issued by the Commission. Further the submission as at 3.4.3 above has no merit as per the Electricity Act, 2003. Other points raised above have no merit in view of the discussions in Chapter – 2.



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- 3.4.2 The objectors have also stated that on the merit of the tariff petition also, the petition of DVC is not sustainable in law and no tariff can be made by on the basis of the application. The objector also stated the fact relating to tariff of DVC chronologically.
- 3.4.3 It is further stated by the objectors that till date no retail tariff of DVC has been determined by the Commission for the period for 2004-2014. The final tariff of generating stations and transmission system for the period from 2006-09 was determined by CERC long back. The generation tariff for all the generating stations of DVC and T&D network for the period 2009 – 14 have also been determined by order dated 30.09.2013. However, DVC has shown no endeavour for early determination of retail tariff by the Commission for the period from 2004-14 in absence of determination of tariff for the earlier period, question of determination of retail tariff for the first time for the period from 2014-15 to 2016-17 does not and cannot arise as the same shall be contrary to the tariff regulations framed by the Commission and also in violation of the Act.
- 3.4.4 The objectors have also stated that DVC was not interested for determination of its retail tariff through this Commission despite the fact of determination of their generation and transmission tariff for the period from 2006-09 and 2009-14 by the CERC, the only reason whereof is that they were charging much excess of what they could have actually claimed from the HT-consumers on the basis of tariff order dated 06.08.2009 of the CERC. Under no circumstances any retail tariff of DVC can be determined for any period by the Commission in the peculiar facts and circumstances of the present case.
- 3.4.5 The objectors have also stated that even if it is assumed and admitted that the retail tariff of DVC is required to be determined by the Commission, then also all the claims as made by DVC in their tariff petition are not tenable. The item wise



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objections made by the objectors including other objectors are dealt separately in subsequent paragraphs.

3.5.1 Shree Ambey Ispat (P) Limited (SAIPL) have also made their suggestion / objection on general issue and also made item wise objection. The objection on general issues are:

- a) The generation and transmission tariff of DVC determined by the CERC is to be considered as input for determination of retail tariff of DVC by WBERC. Unless generation tariff of any generating station of DVC is determined by CERC, the said station cannot be considered as input for determination of retail tariff of DVC.
- b) The Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014 (in short 'CERC Tariff Regulations,2014') has been notified on 21.02.2014 stipulating the norms of operation therein which shall be applied for determination of tariff for generating stations and transmission system of DVC for the control period consisting of the financial years 2014-15 to 2018-19. CERC has still not determined the tariff for the generating stations and transmission system of DVC for the period 2014-15 to 2018-19. The energy charge and capacity charge projected by DVC in their tariff petition are not also based on principles and norms of operation stated in the CERC Tariff Regulations, 2014. Thus the present petition filed by DVC is not bonafide and is premature and eligible to be rejected.
- c) The generation tariff in respect of MTPS Unit No.VII and VIII, DSTPS Unit No. I & II, RTPS Unit No. I & II and Bokaro-A TPS has still not been determined by CERC even for the previous control period i.e. upto 31.03.2014. Thus, the annual fixed charge and energy charge in respect of those stations should not be considered as input for determination of retail tariff of DVC. Moreover,



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the fixed cost and energy cost of those generating stations should not be considered as input for determination of retail tariff of DVC in as much as the same are connected to CTU lines (PGCIL) and not meant for to cater the command area of DVC. In support of their objections, the SAIPL has referred the submission of DVC in the Tariff Petition filed by them before the CERC for the respective generating stations.

- d) DVC is a statutory body with multifarious functions viz. (i) Power generation, Transmission & Distribution (ii) Flood control (iii) Irrigation and some other activities like Soil conservation, Health, afforestation etc. The Hon'ble APTEL in its judgment dated 23.11.2007 had held that tariff for supply of electricity by DVC are to be determined by the Appropriate Commission in terms of the provisions of the Electricity Act, 2003. The provisions of the Act in terms of Section 41 and 51 clearly stipulates that in any other business carried out by the licensee is not to be subsidized by the transmission/distribution business of the licensee. DVC in their petition has stated that their accounts are duly audited by C&AG and does not contain provision for separating the expenses relating to distribution/retail business nor does it contain any provisions for bifurcation of expenses between the two states as regards expenditure relating to distribution of energy, sale of energy etc., allocating such expenses for each functional area concerning intra-state transmission, distribution and retail sale and bifurcating the same between West Bengal and Jharkhand. The non-maintenance of separate accounts for power function including transmission and distribution function, generation function and also segregation between two States is gross violation of Section 41 and 51 of the Electricity Act, 2003 which requires licensee to maintain separate accounts. The separate accounts are necessary to evaluate the expenditure of common expenses such as Pension and Gratuity contribution, sinking fund contribution, non-tariff income etc. The Commission should give a time-bound



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direction for preparation and submission of separate accounts from FY 2013-14 onwards as the accounts of such year's sale has not been finalized.

Commission's view on the objections raised above on general issues will be dealt with while dealing with determination of ARR of DVC for the ensuing years in subsequent chapter.

- 3.5.2 The item wise objections raised by SAIPL are dealt in paragraphs 3.7 in this chapter.
- 3.6. Nilkanth Ferro Limited (NFL) have also made their suggestions / objections on general issues and also made item wise objections. The item wise objections are dealt separately in subsequent paragraphs. The general issues raised by NFL are described below:
- a) The application submitted by DVC was not made in the prescribed format of the Commission and the data/information provided therein was inadequate. DVC submitted some additional data/information in the prescribed format in reply to the letters from the Commission's office but that too were not complete in all respect.
 - b) The annual accounts statement with data is complete only for 2009-10. Management's reply to audit report is missing in the Annual Accounts for 2007-08 and 2008-09. Audit Certificate and audit report from CAG are missing in the annual accounts for 2010-11, 2011-12 and 2012-13. Thus, it is not possible to examine the Annual Accounts Statement/Report in proper perspective for those years. It is not possible to ascertain the number of observations/comments of C&AG had actually made on DVC's Accounts Statement and how many of them were replied for FY 2010-11, 2011-12 and 2012-13.



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- c) The generation and inter-state transmission tariff of DVC are to be determined by the CERC and the same will not be required to determine in accordance with the provisions of the WBERC Tariff Regulations, 2011. The determination of ARR and tariff for retail sale and/or distribution of electricity in respect of West Bengal portion of DVC may be made by the Commission considering the generation and inter-state transmission tariff of DVC determined by CERC as one of the various input cost. The ARR and retail tariff of DVC will have to be determined by the Commission following the same method, principle and regulatory provisions of other distribution licensees in West Bengal and in this respect DVC's stand on the same footing of the other distribution licensees. There cannot be any structural difference whatsoever in basic retail tariff including payment terms, rebate/penalty etc. among various distribution licensees in West Bengal including DVC. Any deviation from the above would tantamount to unequal treatment among equals.

The Commission will deal all the above issues in subsequent chapter of this order. Necessary direction will also be given for providing the audit certificate and audit report as mentioned in (b) above along with their APR application for the respective years.

3.7. The item wise objections raised by different objectors are described below:

3.7.1 Input Cost:

The objections on the input cost are as follows:

- a) DVC is not entitled to claim anything against generating station. In terms of Appellate Tribunal order dated 23.11.2007 only the generation and transmission tariff of DVC since determined by CERC can be taken as input



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cost for determination of retail tariff so far permissible under the Act and only for the consumers for whom the DVC is found to be a deemed distribution licensee and not any other cost. No input cost can be taken into account for the generating stations such as Koderma TPS, MTPS Ph-II. Under the Tariff Regulations of the Commission there cannot also be any projected power purchase cost as allegedly claimed by DVC. The power purchase cost can only be based on the actual generation and transmission of the concerned generating company as already determined by the appropriate Commission.

- b) DVC has projected the energy charges to increase by yearly escalation of 20% in case of Bokaro TPS (Unit I to III) and Chandrapura TPS (Unit I to III) and by 25% in case of other thermal power stations of DVC in the financial years 2013-14, 2014-15, 2015-16 and 2016-17. DVC in the financial model presented in their petition for projecting the energy charge rate for FY 2013-14, 2014-15, 2015-16 and 2016-17 have analyzed coal price and Gross Calorific Value (GCV) of coal at two points of time viz. April, 2009 & April, 2012. The DVC has selectively provided in their financial model the coal price at only two points of time i.e. April, 2009 and April, 2012 and not the complete trend of coal price upto the date of filing the tariff petition i.e. January, 2014. Thus, the energy charge rate projections and the financial model presented by DVC are eligible to be rejected as they are contrary to the CERC Regulations, 2014 and are not in harmony with the current fuel scenario.
- c) The CERC Tariff Regulations, 2014 state that the energy charge rate for the first year of the tariff period (i.e., FY 2014-15) shall be based on the actual weighted average cost of primary fuel and secondary fuel of the three preceding months. For subsequent years of the tariff period, the energy charge shall be computed after escalating the base year energy charge rate by escalation rates for payment purposes as notified by the CERC from time to time for PPAs under competitive bidding guidelines.



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The latest escalation rates were issued by the Central Commission vide notification no. Eco-1/2014-CERC dated 07.04.2014 and are applicable for the period between 01.04.2014 to 30.09.2014.

As per such notification, the escalation rate for domestic coal is (-) 13.50% and the escalation rate for imported coal is (-) 5.00% which reflects the price movements in the coal industry in the last few months.

Thus, as per stipulations of clause 30(11) of the CERC Tariff Regulations, 2014, the escalation rate for domestic coal of (-) 13.50% and the escalation rate for imported coal of (-) 5.00% should be used for computation of energy charge rate for financial years 2015-16 and 2016-17 as against 20% to 25% year on year increase projected by the DVC.

3.7.2 T&D Loss:

DVC has submitted that its T&D activities is composite and integrated in nature owing to its deemed unified and integrated nature of T&D network and peculiar geographical position and claimed the T&D loss higher than the loss trajectory as specified for DVC in the WBERC (Terms and Conditions of Tariff (Amendment) Regulations, 2013. The tariff for DVC has to be determined by the loss level trajectory prescribed by WBERC and consideration of the loss level trajectory prescribed in the WBERC Regulations would necessitate disallowance of the costly short-term power procurement considering the merit order dispatch principle.

3.7.3 Load Factor Rebate:

DVC has proposed Load Factor Rebate for the entire MYT period. The proposed rebates are too less compared to those proposed by WBSEDCL. WBSEDCL in their tariff application have also proposed additional load factor rebate. There is a



gross structural disparity which should not be in place since both DVC and WBSEDCL are under the jurisdiction of same Commission and are guided by same Tariff Regulations. DVC's load factor rebate need be same as that of WBSEDCL at least from load factor of 65% and above.

3.7.4 Power Factor Rebate:

All the distribution licensees / power utilities have introduced Power Factor Rebate/ Surcharge separately for TOD and non-TOD consumers. Under TOD separate amount of rebate according to time strata are given. In contrary DVC has proposed uniform Power Factor rebate/surcharge for all. Average Power Factor in respect of DVC system as envisaged in their submission is quite low. Hence it would be beneficial to DVC and its consumers if for removing structural disparity, DVC introduces different power factor rebate for TOD and non-TOD consumers with time strata basis rebate under TOD scheme.

3.7.5 Maximum Demand:

DVC has proposed maximum demand charge which is too high having serious effect on gross unit rate of electricity. No distribution licensee in the country appears to have such high demand charge. There is a gross structural disparity under the jurisdictional authority of one and same Regulatory Commission and it cannot be continued concurrently. DVC need be asked to re-structure the retail tariff proposal accordingly.

3.7.6 Non-payment of Bill:

The claim of DVC in paragraph 14 of their tariff petition recovery of their alleged dues arising out of non-payment by some consumers either on account of disputed bill, closure, reference to BIFR etc. should be rejected in its entirety as



being contrary to the provisions of the Act. DVC being a deemed licensee is only entitled to recover their bad debt by instituting appropriate recovery proceeding against the defaulting consumer as also provided by the Commission by Electricity Supply Code and to the extent permissible under such provision of regulation and not otherwise. Regulation 3.11 of the Tariff Regulation does not permit any claims even for its remotest meaning.

3.7.7 Social Integration Programme:

DVC's claims for their alleged social integration programme & subsidiary activities in the present tariff petition have also got no merit. Such claims had been considered by CERC and Appellate Tribunal allowed in the generation costs to the extent permissible. Those costs being found to be generation costs component cannot be claimed again as part of retail tariff.

3.7.8 R&M Expenses:

The renovation and maintenance costs are generation and transmission costs components and already taken into consideration by CERC while determining the generation and transmission tariff of DVC. No costs on account of Renovation and Modernization (R&M) activities that too on projected basis can be included in the retail tariff of DVC. Furthermore, Hon'ble APTEL has already held that R&M costs cannot be allowed until and unless the works therefor have been put to use and the benefit thereon has been passed on to the consumers.

3.7.9 Monthly Variable Cost Adjustment (MVCA):

DVC is entitled for monthly Variable Cost Adjustment (MVCA) in line with Regulation 2.8.7.1 and 2.8.7.3 only to the extent as the provisos of the said Regulations provide and that too for its power purchase cost and for their LT



supply. DVC has already been allowed variable cost in the form of Fuel Costs Adjustment by the CERC as part of their generation tariff.

3.7.10 Income from Export of Power:

Although DVC claimed for inclusion of their power purchase costs for determination of their retail tariff but they did not disclose their income from export/ sale of power to other distribution licensees and generating companies. Undisputedly DVC sells electricity to other distribution licensees and power traders and export power outside the Damodar Valley Area and therefore the income from such activity shall be adjusted against their gross revenue requirement in calculating their annual revenue requirement for determination of retail tariff. In the absence of such disclosure the tariff petition cannot be entertained by the Commission.

3.8 *The Commission has taken note of the above item wise objections, suggestions and comments. Some of the objections, suggestions and comments which are directly concerned with the instant Tariff petition have been dealt with in the subsequent chapter of this tariff order, in which various components of fixed costs have been analyzed and discussed. Some of the objections, suggestions and comments related to law point in regard to authority of WBERC for determination of tariff for DVC has already been dealt with in some of the preceding paragraphs in this Chapter and also in Chapter – 2 of this order. The point raised in para 3.7.10 is a matter to be dealt with in the APR of the respective year.*



CHAPTER – 4 SALES, ENERGY BALANCE AND AGGREGATE REVENUE REQUIREMENT

- 4.1 In this chapter the projection of various cost components of the Aggregate Revenue Requirement (ARR) for the MYT period 2014 – 2015 to 2016 – 2017 as submitted by DVC has been analyzed.
- 4.2 DVC, the petitioner is a statutory body incorporated under the Damodar Valley Corporation Act, 1948 and undertakes multifarious functions, viz. generation, transmission and distribution. It has got different power stations consisting of both the thermal and hydel power stations. With a substantial portion of its energy requirement met out of its own generation resources and the balance met out by the purchased power from other organizations, it caters retail sale and supply of electricity under the provisions of Section 62 (d) read in conjunction with Section 86 (1) of the Electricity Act, 2003 to the consumers in Damodar Valley area comprising of both the States of Jharkhand and West Bengal. The proper assessment of the sales during the FY 2014-15, 2015-16 and 2016-17, for which the tariff is to be determined on perspective basis is of prime importance. The Commission is, therefore, taking up the different parameters linked with sales projection of DVC and thereafter different components of the ARR and tariff of DVC for the aforesaid period.
- 4.3 **Consumers, connected load and energy sales:**
- 4.3.1 Sales Projection:

The petitioner has submitted the particulars of consumer details for different years in the recent past viz. 2009-10, 2010-11, 2011-12, and 2012-13 and corresponding sales in their command area in West Bengal through their supplementary submission in response to the query of the Commission. This has been necessitated in order to facilitate keeping an eye at the projected sales forecast of DVC as submitted in their petition for the subject control period viz. 2014-15, 2015-16 and 2016-17. The petitioner has submitted that it supplies bulk of its power to the WBSEDCL and JSEB and majority of HT consumers falling in DVC area generally at 33 KV and above



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voltage level. The petitioner has further submitted that keeping an eye on the past growth rate of sales, new power application status and the probable additions during the foregoing years, it has made the projections for the number of consumers at the respective connected load and the sales forecast in the command area of DVC in West Bengal in different years of the MYT period which are represented in a tabular form below:

Number of consumers and sales in MU for the period 2009 – 2010 to 2013 – 2014 in the command area of DVC in West Bengal:

Particulars	FY 2009-10		FY 2010-11		FY 2011-12		FY 2012-13		FY 2013-14	
	No of cons. ('000)	Sales (MU)	No of Cons. ('000)	Sales (MU)	No of cons. ('000)	Sales (MU)	No of Cons. ('000)	Sales (MU)	No of Cons. ('000)	Sales (MU)
LV & MV		0.107		0.111		0.101		0.001		0.001
33 KV	103	4666.39	107	4691.83	116	4931.62	123	5373.62	142	6268.90
132 KV (RAIL)	03	175.80	03	187.85	03	193.66	03	202.53	03	213.00
132 KV (Industrial)	05	583.20	07	657.91	08	829.00	09	946.52	10	1016.00
220 KV	01	352.94	1	289.73	02	264.57	02	359.72	2	468.00
Total	112	5778.44	118	5827.44	129	6218.96	137	6882.38	157	7965.90

4.3.2 The following table depicts the projections of sales (MU) as made by the petitioner for the command area of DVC in West Bengal for the control period FY 2014-15, 2015-16 and 2016-17:

Projected sales for the control period in the command area of DVC in West Bengal vis-à-vis total sale in DVC command area.

Particulars	FY 2014-15 (Projected MU)	FY 2015-16 (Projected MU)	FY 2016-17 (Projected MU)
LV & MV	0.001	0.001	0.001
Overall LV&MV	0.001	0.001	0.001
33 KV	6570.00	6915.01	7262.55
132 KV (RAIL)	221.96	233.07	243.68
132 KV (Industrial)	1066.99	1121.00	1177.50
220 KV	780.02	858.03	1161.75
Overall HV & EHV	8638.98	9127.11	9845.47
Total annual projected sale in W.B. Area	8638.98	9127.11	9845.47
Energy sales by DVC in Jharkhand area as projected	11549.02	12335.89	13400.53
Total projected annual sale of DVC in their command area in the State of West Bengal and Jharkhand	20188.00	21463.00	23246.00



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- 4.3.3 The petitioner has submitted that the projected sales during the subject control period of FY 2014-15 to 2016-17 for different category of consumers commensurate with their respective Power Factor and Load Factor along with apportionment between Time of the Day (TOD) and Non-TOD are considered in line with the load pattern for the year 2013-14 as available till October, 2013.
- 4.3.4 The projected sale of energy in the command area of DVC in West Bengal under the control period as submitted by the petitioner is admitted by the Commission. However, this will be reviewed during truing up in the Annual Performance Review (APR) based on audited data for the concerned year.
- 4.3.5 In this context it may be pointed out that the Commission does not make any approval of sale in command area in Jharkhand. The Commission only considers such sale as projected by DVC to arrive at the total sale of DVC for the purpose of apportionment of cost under different heads.
- 4.3.6 Besides, DVC has projected considerable quantum of energy to the tune of 135 MU, 145 MU and 147 MU for consumption in the own premises of DVC including construction power of 22 MU, 25 MU and 21 MU for the respective three years 2014 – 2015, 2015 – 2016 and 2016 - 2017 of the control period in their total command area covering both the States of West Bengal and Jharkhand. In this connection, the Commission likes to make it clear to only allow any such energy intimately connected for use in its sub-stations etc., linked particularly with the power distribution system of DVC in West Bengal area. However, the Commission presently considers proportionate quantum of such projection subject to truing up in the APR. DVC is directed to give details with proper justification of such consumptions at their own premises in their APR application for the respective years, failing which no such consumption will be allowed in future.

4.4 **Sources of Energy:**

- 4.4.1 The petitioner has submitted that the total energy of supply of the petitioner to their command areas in West Bengal and Jharkhand and to other distribution licensees



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are met from the resources of power from its own generating stations including both Thermal and Hydel Power Stations and through purchase of power from central sector generating stations (CSGS) viz., NTPC, NHPC etc. and from Renewable Energy Sources through Inter State Transmission.

4.4.2 Generation of Power from own power stations:

4.4.2.1 The quantum of ex-bus energy in MU, as projected by the petitioner during the control period, is summarized below:

Projected ex-bus Generation from own generating stations
during the control period

Sl. No.	Name of generating stations	Ex-bus Energy (MU)		
		FY 2014-2015	FY 2015-2016	FY 2016-2017
1	BTPS (Unit I to III)-630 MW	3490.50	3555.84	2964.24
2	MTPS U# I to III -630 MW	3224.06	4017.21	3705.30
3	CTPS U # I to III-390 MW	2102.32	2102.32	0.00
4	DTPS U# III & IV-350 MW	1974.50	2037.33	1155.98
5	MTPS U # IV-210 MW	1085.90	1348.05	1235.10
6	MTPS U # 5 & 6	3285.15	3213.21	3188.64
7	CTPS U#7&8-500 MW	3361.28	3268.37	3188.64
8	MTPS PH II U#7&8 -1000 MW	6579.98	6749.42	7017.86
9	KTPS U # 1 & 2-1000 MW	6360.83	6731.65	8513.40
10	DSTPS U#I & II -1000 MW	6562.53	6731.47	6999.24
11	BTPS A (New)-1000 MW	0.00	0.00	3293.76
12	RTPS U#I & II-1000 MW	2935.31	6002.18	6999.24
13	MHS U # I,II,III-63.2 MW	96.50	113.00	113.00
14	PHS U I & II-80 MW	121.19	141.91	141.91
15	THS-4 MW	6.73	7.88	7.88
	Total	41186.78	46019.84	48524.19

4.4.2.2 The petitioner has projected ex-bus generation from its old generating stations installed both in the States of West Bengal and Jharkhand operating since long comprising of both thermal and small hydel power stations and new generating stations commissioned in recent past and also the generating stations to be installed within 2016 – 2017 viz. BTPS A (New) of 1000 MW installed capacity. The petitioner has also mentioned the percentage of ex-bus generation from the old generating



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stations to be available for their consumers after meeting the requirement of energy to be sold to other licensees in their command areas viz. JSEB and WBSEDCL as per bilateral agreement. The petitioner has also mentioned the percentage of ex-bus generation from new generating stations to be available for their consumers after meeting the requirement of energy to be sold to other licensees outside their command area as per bilateral agreement. The ex-bus generation from own generating stations to be available for sale to consumers of DVC apportioned as per percentage of share projected by the petitioner for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 have been admitted by the Commission subject to truing up on the basis of audited annual accounts in the APR for the respective years.

4.4.2.3 From the above projected ex-bus generation, the net sent out energy in MU available for supply to the consumers in command area in West Bengal in different years under the control period has been considered by the Commission as follows:

Admitted share of net generation from own generating stations for supply in command area in West Bengal for FY 2014-15

Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)
(1)	(2)	(3)	(4)	[(5)= (3) x (4)/100]	(6)	[(7) =(5)x(6)/100]
1	BTPS (Unit I to III)-630 MW	3490.50	93.27	3255.59	42.790	1393.07
2	MTPS U# I to III -630 MW	3224.06	92.72	2989.35	42.790	1279.14
3	CTPS U # I to III-390 MW	2102.32	93.09	1957.05	42.790	837.42
4	DTPS U# III & IV-350 MW	1974.50	93.39	1843.99	42.790	789.04
5	MTPS U # IV-210 MW	1085.90	92.79	1007.61	42.790	431.16
6	MTPS U # 5 & 6	3285.15	30.01	985.87	42.790	421.85
7	CTPS U#7&8-500 MW	3361.28	0.00	0.00	42.790	0.00
8	MTPS PH II U#7&8 -1000 MW	6579.98	16.66	1096.22	42.790	469.07
9	KTPS U # 1 & 2-1000 MW	6360.83	28.79	1831.28	42.790	783.60
10	DSTPS U#I & II -1000 MW	6562.53	7.91	519.10	42.790	222.12
11	RTPS U#I & II-1000 MW	2935.31	73.92	2169.78	42.790	928.45
12	MHS U # I,II,III-63.2 MW	96.50	75.56	72.92	42.790	31.20
13	PHS U I & II-80 MW	121.19	75.56	91.57	42.790	39.18
14	THS-4 MW	6.73	75.56	5.09	42.790	2.18
	Total	41186.78		17825.42		7627.48



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Admitted share of net generation from own generating stations for supply in command area in West Bengal for FY 2015-16

Sl. No	Name of the generating Stations	Ex- bus Energy	Percentage share of generation for own consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal
		(MU)	(%)	(MU)		(MU)
(1)	(2)	(3)	(4)	[(5)= (3) x (4)/100]	(6)	[(7) =(5)x(6)/100]
1	BTPS (Unit I to III)-630 MW	3555.84	93.40	3321.15	42.525	1412.32
2	MTPS U# I to III -630 MW	4017.21	94.16	3782.60	42.525	1608.55
3	CTPS U # I to III-390 MW	2102.32	93.09	1957.05	42.525	832.24
4	DTPS U# III & IV-350 MW	2037.33	93.60	1906.94	42.525	810.93
5	MTPS U # IV-210 MW	1348.05	94.19	1269.73	42.525	539.95
6	MTPS U # 5 & 6-500 MW	3213.21	29.70	954.32	42.525	405.82
7	CTPS U#7 & 8-500 MW	3268.37	0.00	0.00	42.525	0.00
8	MTPS U 7 & 8 -1000 MW	6749.42	9.00	607.45	42.525	258.32
9	KTPS U# 1 & 2-1000 MW	6731.65	20.74	1396.14	42.525	593.71
10	DSTPS U#1&2-1000 MW	6731.47	8.81	593.04	42.525	252.19
11	RTPS U#I & II-1000 MW	6002.18	48.20	2893.05	42.525	1230.27
12	MHS U # I,II,III-63.2 MW	113.00	79.13	89.42	42.525	38.03
13	PHS U I & II-80 MW	141.91	79.13	112.29	42.525	47.75
14	THS-4 MW	7.88	79.13	6.24	42.525	2.65
	Total	46019.84		18889.42		8032.73

Admitted share of net generation from own generating stations for supply in command area in West Bengal for FY 2016-17

Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)
(1)	(2)	(3)	(4)	[(5)= (3) x (4)/100]	(6)	[(7) =(5)x(6)/100]
1	BTPS (Unit I to III)-630 MW	2964.24	89.78	2661.29	42.353	1127.14
2	MTPS U# I to III -630 MW	3705.30	91.83	3402.58	42.353	1441.09
3	CTPS U # I to III-390 MW	0.00	0.00	0.00	0.000	0.00
4	DTPS U# III & IV-350 MW	1155.98	91.27	1055.06	42.353	446.85
5	MTPS U # IV-210 MW	1235.10	91.83	1134.19	42.353	480.36
6	MTPS U # 5 & 6-500 MW	3188.64	30.00	956.59	42.353	405.14
7	CTPS U#7&8-500 MW	3188.64	0.00	0.00	42.353	0.00
8	MTPS U 7 & 8 -1000 MW	7017.86	48.10	3375.59	42.353	1429.66
9	RTPS U# I & II-1000 MW	8513.40	0.00	0.00	42.353	0.00
10	DSTPS U#1&2-1000 MW	6999.24	60.00	4199.54	42.353	1778.63
11	BTPS A (New)-1000 MW	3293.76	0.00	0.00	42.353	0.00
12	KTPS U# 1 & 2-1000 MW	6999.24	52.49	3673.90	42.353	1556.01



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Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)
(1)	(2)	(3)	(4)	[(5)= (3) x (4)/100]	(6)	[(7) =(5)x(6)/100]
13	MHS U # I,II,III-63.2 MW	113.00	73.07	82.57	42.353	34.97
14	PHS U I & II-80 MW	141.91	73.07	103.69	42.353	43.92
15	THS-4 MW	7.88	73.07	5.76	42.353	2.44
	Total	48524.19		20650.76		8746.21

The petitioner has submitted that as per Corporation plan CTPS U# I to III and DTPS U# III will be retired during 2016 – 2017.

4.4.2.4 BTPS A (New) 1000 MW generating station has been projected to come up during 2016 – 2017. The Commission does not consider any generation from that power station to be available for the consumers in the command area in West Bengal during the year 2016 – 2017. However, the Commission may consider the generation, if the COD of the said unit is within 2016 – 2017, in the APR for the respective year.

4.4.3 Power Purchase from CSGS and renewable energy sources:

4.4.3.1 After meeting the energy requirement as earmarked above from its own generating stations of DVC for supply to consumers in the West Bengal command area, the balance projected energy needs to be catered through the power purchase from the CSGS and other sources including renewable energy during the MYT period of FY 2014-15 to FY 2016-17. The philosophy as has been adhered to by the Commission for admission subject to truing up with the audited accounts and annual report of the Petitioner to be submitted in relevant period, is that the energy projected for purchase by the petitioner from different sources other than renewable source has been apportioned for the balance requirement of energy for sale to consumers in West Bengal in the ratio of projected sale of energy in West Bengal area to the total projected sale of DVC during the respective years. Any excess purchase in this process is excluded on merit order basis.



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4.4.3.2 As per prevailing Regulations framed by the Commission on Co-generation and generation of electricity from renewable sources of energy towards meeting up of the Renewable Purchase Obligation (RPO) target as specified in regulation 3.4 of the West Bengal Electricity Regulatory Commission (Co-generation and Generation of Electricity from Renewable Sources of Energy) Regulations, 2013 (in short 'RE Regulations') the RPO target expressed as percentage of their total consumption of electricity in the area of supply of the distribution licensee in a year during the period 2014-15, 2015-16 and 2016-17 are as follows:

Year	Minimum quantum of purchase (in %) of total consumption from Cogeneration and Renewable energy sources	
	Solar	Total including solar
2014-15	0.15	4.5
2015-16	0.20	5.0
2016-17	0.25	5.5

4.4.3.3 DVC has projected purchase of energy from cogeneration and renewable sources of energy including solar power during the period 2014 – 2015, 2015 – 2016 and 2016 – 2017 as 585.33 MU, 648.31 MU and 756.94 MU respectively. The energy sale of DVC in the command area in West Bengal as projected by DVC and admitted by the Commission for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 are 8638.98 MU, 9127.11 MU and 9845.47 MU respectively. The RPO target of the petitioner to be met up for solar and for total renewable energy including solar respectively comes to 13 MU and 389 MU for the FY 2014-15, 18 MU & 456 MU for the FY 2015-16 and 25 MU & 542 MU in the FY 2016-17 for their energy sale in command area in West Bengal. The total purchase of renewable energy in the respective three years have been projected by the petitioner as 585.33 MU, 648.31 MU and 756.94 MU including respective solar renewable quantum of energy. Proportionate purchase from co-generation and renewable sources of energy comes to 250.48 MU, 256.69 MU and 320.59 MU for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 respectively which is less than the quantum obligations required for sale in their command area in West Bengal. The Commission, however, considers the purchase of power from co-



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generation and renewable sources of energy as projected by DVC for all the three years 2014 – 2015, 2015 – 2016 and 2016 - 2017. The Commission also directs that the petitioner needs to devote an all out effort to fulfill the RPO targets through its own generation of renewable energy and purchase of solar and non-solar renewable power. Any non-compliance of meeting RPO may lead to penal action in future. The Commission has accepted the quantum of renewable purchase and price thereof as projected by DVC and consequently total cost subject to truing up in APR.

4.4.3.4 The purchase quantum of energy as projected by the petitioner during the control period is tabulated below:

Agency	2014 - 2015			2015 - 2016			2016 - 2017		
	Purchased Energy MU	CTU Grid loss MU	Net purchase MU	Purchased Energy MU	CTU Grid loss MU	Net purchase MU	Purchased Energy MU	CTU Grid loss MU	Net purchase MU
NTPC Ltd									
a) Farakka (FSTPS-III)	236.68	6.39	230.29	242.06	6.54	235.52	242.06	6.54	235.52
b) Talcher (TSTPS)	18.99	0.51	18.48	19.42	0.52	18.90	19.42	0.52	18.90
c) Kanti TPS	48.1	1.30	46.8	54.97	1.48	53.49	54.97	1.48	53.49
PTC India Ltd.									
a) Chukha HEP	160.00	4.32	155.68	160	4.32	155.68	160	4.32	155.68
b) Kuruchhu HEP	160.00	4.32	155.68	160	4.32	155.68	160	4.32	155.68
c) Tala HEP	80.00	2.16	77.84	80	2.16	77.84	80	2.16	77.84
NHPC Ltd.									
a) Rangeet HEP	33.28	0.90	32.38	33.6	0.91	32.69	33.60	0.91	32.69
b) Teesta HEP	196.56	5.31	191.25	198.45	5.36	193.09	198.45	5.36	193.09
Maithon Power Ltd.	1880.10	50.76	1829.34	1984.55	53.58	1930.97	1984.55	53.58	1930.97
Renewable Power	585.33	15.80	569.53	648.31	17.5	630.81	756.94	20.71	736.23
Total	3399.04	91.77	3307.27	3581.36	96.69	3484.67	3689.99	99.90	3590.09

4.4.3.5 The power purchase quantum from different sources as admitted by the Commission for sale to consumers in West Bengal are as follows:



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Power Purchase quantum for the year 2014 – 2015

Agency	Energy	CTU Grid loss	Net Purchase	Percentage share for sale to consumers in West Bengal	Share of Purchase quantum for sale to consumers in West Bengal	Admitted quantum of purchase
	MU	MU	MU	%	MU	MU
NTPC Ltd						
a) Farakka (FSTPS-III)	236.68	6.39	230.29	42.790	98.54	98.54
b) Talcher (TSTPS)	18.99	0.51	18.48	42.790	7.91	7.91
c) Kanti TPS	48.1	1.3	46.8	42.790	20.03	20.03
PTC India Ltd.						
a) Chukha HEP	160	4.32	155.68	42.790	66.62	66.62
b) Kuruchhu HEP	160	4.32	155.68	42.790	66.62	66.62
c) Tala HEP	80	2.16	77.84	42.790	33.31	33.31
NHPC Ltd.						
a) Rangeet HEP	33.28	0.9	32.38	42.790	13.86	13.86
b) Teesta HEP	196.56	5.31	191.25	42.790	81.84	81.84
Maithon Power Ltd.	1880.1	50.76	1829.34	42.790	782.77	620.84
Renewable Power						
Solar	103.00	2.78	100.22	42.790	42.88	42.88
Non-solar	482.33	13.02	469.31	42.790	200.82	200.82
Total	3399.04	91.77	3307.27		1415.18	1253.25

Power Purchase quantum for the year 2015 – 2016

Agency	Energy	CTU Grid loss	Net Purchase	Percentage of share for sale to consumers in West Bengal	Share of Purchase quantum for sale to consumers in West Bengal	Admitted quantum of purchase
	MU	MU	MU	%	MU	MU
NTPC Ltd						
a) Farakka (FSTPS-III)	242.06	6.54	235.52	42.353	99.75	99.75
b) Talcher (TSTPS)	19.42	0.52	18.9	42.353	8.00	8.00
c) Kanti	54.97	1.48	53.49	42.353	22.65	22.65
PTC India Ltd.						
a) Chukha HEP	160	4.32	155.68	42.353	65.94	65.94
b) Kuruchhu HEP	160	4.32	155.68	42.353	65.94	65.94
c) Tala HEP	80	2.16	77.84	42.353	32.97	32.97



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Agency	Energy	CTU Grid loss	Net Purchase	Percentage of share for sale to consumers in West Bengal	Share of Purchase quantum for sale to consumers in West Bengal	Admitted quantum of purchase
	MU	MU	MU	%	MU	MU
NHPC Ltd.						
a) Rangeet HEP	33.6	0.91	32.69	42.353	13.85	13.85
b) Teesta HEP	198.45	5.36	193.09	42.353	81.78	81.78
Maithon Power Ltd.	1984.55	53.58	1930.97	42.353	817.82	699.83
Renewable Power						
Solar	113.00	3.05	109.95	42.353	46.57	46.57
Non-solar	535.31	14.45	520.86	42.353	220.60	220.60
Total	3581.36	96.69	3484.67		1475.86	1357.87

Power Purchase quantum for the year 2015 – 2016

Agency	Energy	CTU Grid loss	Net Purchase	% Share for sale to consumers in West Bengal	Share of Purchase quantum for sale to consumers in West Bengal	Admitted quantum of purchase
	MU	MU	MU	%	MU	MU
NTPC Ltd						
a) Farakka (FSTPS-III)	242.06	6.54	235.52	42.525	100.15	100.15
b) Talcher (TSTPS)	19.42	0.52	18.90	42.525	8.04	8.04
c) Kanti	54.97	1.48	53.49	42.525	22.75	22.75
PTC India Ltd.						
a) Chukha HEP	160	4.32	155.68	42.525	66.20	66.20
b) Kuruchhu HEP	160	4.32	155.68	42.525	66.20	66.20
c) Tala HEP	80	2.16	77.84	42.525	33.10	33.10
NHPC Ltd.						
a) Rangeet HEP	33.6	0.91	32.69	42.525	13.90	13.90
b) Teesta HEP	198.45	5.36	193.09	42.525	82.11	82.11
Maithon Power Ltd.	1984.55	53.58	1930.97	42.525	821.14	675.89
Renewable Power						
Solar	128.00	3.5	124.50	42.525	52.94	52.94
Non-solar	628.94	17.21	611.73	42.525	260.14	260.14
Total	3689.99	99.9	3590.09			1381.44



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4.4.4 Distribution Loss:

The petitioner has projected T&D loss to the tune of 3.93% for FY 2014 – 2015, 3.92% for FY 2015 – 2016 and 3.94% for FY 2016 – 2017 based on their present trend. The Commission has allowed distribution loss as per norms specified in the Tariff Regulations against the proportionate utilization of energy by the petitioner in their command area in West Bengal. Accordingly, the distribution loss, as admitted by the Commission, provisionally, is shown in the following table year wise.

Distribution Loss					
Year	Proportionate utilization (MU) of energy in W.B. area	Distribution loss % as projected by the Petitioner	Projected Distribution Loss (MU)	Normative distribution loss %	Distribution Loss (MU), as admitted
2014-15	8844.38	3.93	361.80	2.20	198.96
2015-16	9350.37	3.92	389.34	2.20	210.33
2016-17	10077.99	3.94	426.00	2.20	226.70

4.4.5 Energy Balance:

4.4.5.1 On the basis of the analysis done in the foregoing paragraphs, the Commission admits the energy balance for supply to their command area in West Bengal for the years 2014-15, 2015-16 and 2016-17 as below:

(Figures in Million Units)

Particulars	Unit	As admitted by Commission		
		2014-15	2015-16	2016-17
Energy Sales within West Bengal	MU	8638.98	9127.11	9845.47
LT Sales	MU	0.00	0.00	0.00
HT Sales	MU	8638.98	9127.11	9845.47
Total Sales within West Bengal	MU	8638.98	9127.11	9845.47
Energy Sales within Jharkhand	MU	11549.02	12335.89	13400.53
Total Energy Sales within DVC Area	MU	20188.00	21463.00	23246.00
Energy Wheeled	MU	345.00	380.00	402.00



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Particulars	Unit	As admitted by Commission		
		2014-15	2015-16	2016-17
Units utilized in own premises including Construction Power(Row to be deleted)	MU	135.00	145.00	147.00
Construction Power included above	MU	22.00	25.00	21.00
Overall Utilization	MU	20668.00	21988.00	23795.00
Proportionate utilization in West Bengal	MU	8844.38	9350.37	10077.99
T & D Loss (%) for West Bengal		2.20	2.20	2.20
T & D Loss (MU)	MU	198.96	210.33	226.70
Energy Requirement for Distribution business	MU	21132.92	22482.62	24330.27
Energy Requirement for DVC for distribution business in West Bengal	MU	9043.34	9560.70	10304.69
Total Energy receipt for Wheeling	MU	380.00	400.00	418.00
Proportionate Energy receipt for Wheeling for distribution business in West Bengal	MU	162.61	170.10	177.04
Proportionate Generation for sale within West Bengal	MU	7627.48	8032.73	8746.21
Proportionate Net Purchase for sale in West Bengal	MU	1253.25	1357.87	1387.44
Total Availability for sale in West Bengal	MU	9043.34	9560.70	10304.69
Share of energy requirement in West Bengal against the total requirement of DVC	%	42.790	42.525	42.353

4.5 Cost arising from own generation:

4.5.1 DVC being a statutory body controlled by the Central Government as envisaged under Section 79(1)(a) of the Electricity Act, 2003, the tariff for generation of electricity is to be decided by the Central Commission. Similarly, in view of its activities in respect of transmission and distribution of power extending in multi states, the inter-state transmission and distribution being an integrated activity, DVC will again be regulated by the Central Electricity Regulatory Commission and tariff for composite T & D is to be determined by the Central Commission in terms of Section 79(1)(c) and (d) of the Electricity Act, 2003. In regard to retail sale and supply of electricity, however, DVC will be governed by the provisions of Section 62 read in conjunction with Section 86(1) of the Electricity Act, 2003 by the respective State Commissions in the state of West Bengal and Jharkhand.



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- 4.5.2 Accordingly, the generation and transmission tariff of DVC, as determined/to be determined by the Central Commission, will be an input cost based on which the retail tariff has to be considered.
- 4.5.3 The Petitioner has submitted that the methodology of computation of tariff for the control period FY 2014-15 to FY 2016-17 has been guided by the CERC regulations. Any adjustment of Fixed Charges of the respective generating stations beyond the FY 2013-14, while calculating and projecting the same for subsequent years, the petitioner has assumed and imposed an escalation tantamount to 5% of Fixed Cost as was approved for FY 2013-14 for submission to the Commission for FY 2014-15. Similarly, 2% escalations of Fixed Cost on year to year basis for FY 2015-16 and FY 2016-17 have been considered by the Petitioner for cost projection while submitting before the Commission.
- 4.5.4 In a similar fashion, the Petitioner has submitted that costly imported coal along with increasing import duty on coal is inflating DVC's fuel bill and consequently as per its financial model devised on the cost projection considering past cost trends, recommending blending ratio etc, the Energy Charge Rate (ECR) of its own thermal power stations using imported coal have been considered to be hiked by 25% and those using indigenous coal by 20%. However, on an average, ECR for thermal power stations were projected to increase by 20% on year to year basis for the same period. DVC has projected the energy charge rate (ECR) for their own generating stations considering 20% hike on year to year basis on the estimated ECR of 2012 – 2013 to arrive at the projected ECR for the years 2013 – 2014, 2014 – 2015, 2015 – 2016 and 2016 – 2017 in respect of the generating stations in operation during those years. The petitioner has also projected the ECR for the new units for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 considering 20% hike on year to year basis.
- 4.5.5 Now, as per Yearly Wholesale Price Index brought to light by the Office of the Economic Affairs, GoI, there has been a slight decline in the prices of Coal (reflecting an Index of 190.78 for 2013-14 in comparison to 208.58 in 2012-13) and Non-Coking



Tariff Order of DVC for the years 2014-2015 and 2015-2016

Coal (showing an index of 176.66 for 2013-14 in comparison to 217.03 in 2012-13), Hence as per discretion of the Commission, it may not be prudent to consider hike in both the Fixed Cost and the ECR of the power stations of DVC for different years of the control period but to consider and assume the respective costs as determined and approved by CERC for the FY 2013-14 both for these two cost components for different years of the control period provisionally subject to actual truing up in the subsequent period after approval of the respective costs by the CERC.

- 4.5.6 The Commission has observed from the notification on Annual Escalation Rates applicable for the period between 01.04.2014 and 30.09.2014 for the purpose of payment vide no. Eco-1/2014-CERC dated April 7, 2014 issued by the Central Electricity Regulatory Commission (CERC), the escalation rate for domestic coal is (-)13.50%.
- 4.5.7 The Commission has also observed from the notification on Annual Escalation Rates applicable for the period between 01.10.2014 and 31.03.2015 for the purpose of payment vide no. Eco-2/2014-CERC dated October 1, 2014 issued by the Central Electricity Regulatory Commission (CERC) the escalation rate for domestic coal as 1.24%.
- 4.5.8 The Commission further observed from the notification on Annual Escalation Rates applicable for the period between 01.04.2015 and 30.09.2015 for the purpose of payment vide no. Eco-1/2015-CERC dated April 7, 2015 issued by the Central Electricity Regulatory Commission (CERC) the escalation rate for domestic coal is nil.
- 4.5.9 The Commission thus does not consider any hike for energy charge rate for 2014 – 2015, 2015 – 2016 and 2016 – 2017 as projected by DVC. The Commission considers the estimated ECR for 2012 – 2013 for the existing generating stations without any escalation for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017. The Commission does not consider any hike in ECR over the projected ECR for the year



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2013 – 2014 for the new units. The ECR as considered is subject to truing up as per tariff order to be passed by CERC in accordance with relevant Regulations.

4.5.10 The Commission considers the Annual Fixed Charge (AFC) for the FY 2014-15, FY 2015-16 and FY 2016-17 as per the tariffs determined by the CERC in the FY 2013-14 subject to truing up the fixed costs on the basis of the subsequent orders of the CERC. The basis of estimation of Fixed Cost has been computed taking the projected running days as well as the plant availability factor as projected by the Petitioner in the relevant years with the corresponding normative values.

4.5.11 From the petition submitted, it is observed that the Tariff Orders of CERC leading to determination of the Fixed Cost, Energy Charge and Transmission tariffs of different power stations of DVC were conveyed through the CERC orders dated below:

Sl. No.	Particulars	Date of issue of orders by CERC
1.	Mejia Thermal Power Station, U#1 to 4	9 th July 2013
2.	Bokaro Thermal Power Station, U#1 to 3	29 th July 2013
3.	Chandrapura Thermal Power Station, U# 1 to 3	7 th August 2013
4.	Durgapur Thermal Power Station, U#3 & 4	7 th August 2013
5.	Maithon Hydel Power Station	7 th August 2013
6.	Panchet Hydel Power Station	7 th August 2013
7.	Tilaiya Hydel Power Station	7 th August 2013
8.	Transmission and Distribution system activities of DVC	27 th September 2013

4.5.12 Apart from the above, the Commission has considered the annual Fixed Cost, Energy Charge and the T & D system activities as submitted by the Petitioner to the CERC for which the relevant Tariff Orders are yet to be approved by CERC in accordance with their Tariff Regulations for the power stations Mejia Thermal Power Station, U# 7 & 8, DSTPS U#1 &2 and KTPS U#1 & 2.

4.5.13 Petitioner has submitted that the fixed charges of the new power stations were considered on the basis of tariff rate projected for the respective generating stations which are less than 95% of the annual fixed charge of their claim lodged before the



Tariff Order of DVC for the years 2014-2015 and 2015-2016

- CERC. The Commission has considered the submission made by the petitioner subject to truing up on the basis of future tariff orders of CERC. The same doctrine has been adopted by the Commission in regard to the consideration of energy charges also.
- 4.5.14 As per projected generation of the Petitioner, its BTPS A, a new thermal power station of 1000 MW capacity has been scheduled to start generation with an estimated quantum of 3293.76 MU in the FY 2016-17. But since no share of generation has been projected to be considered for its consumers in the command area of West Bengal, no cost element for such generating stations are considered by the Commission.
- 4.5.15 The station wise fixed charge, energy charge of different power stations of DVC in different years of the control period on the basis of projected availability and percentage utilization by the consumers in command area of West Bengal are summarized in Annexures 4A, 4B and 4C. In this connection, the Commission likes to reiterate that balance energy requirement to be obtained from the projected purchase quantum calculated on the basis of sales ratio of West Bengal to the total sales of DVC in their command area in West Bengal and Jharkhand and cost thereof will be considered by the Commission on the basis of merit order in subsequent paragraph.
- 4.5.16 Station wise computation of fixed charge and energy charge, as considered by the Commission for sale to consumers of DVC in the command area in West Bengal are subject to truing up in future tariff order or APR order as per provision of the Tariff Regulations.
- 4.6 **Purchase cost from CSGS and Renewable Sources for sale to consumers in the command area in West Bengal:**
- 4.6.1 While computing the purchase cost from CSGS, the Petitioner has submitted that CERC is yet to review and revise the tariff for such units beyond 2009-2014. As such



Tariff Order of DVC for the years 2014-2015 and 2015-2016

revision of tariffs is due for the year 2014-15 and onwards. Accordingly, the Petitioner has projected fixed charges for those power stations to increase @ 5% in 2014-15 and 2% for 2015-16 and 2016-17 on year to year basis. Energy charges for those stations on the other hand are projected to increase @ 20% on year to year basis. However, the Commission has disallowed the above enhancement rates as projected by the petitioner and has considered the power purchase rates as per submission of the petitioner for the FY 2013-14 consisting of Fixed Charge, Energy Charge for all the three years 2014-15, 2015-16 and 2016-17 under the control period subject to truing up subsequently in the APR for the respective years.

4.6.2 Similarly, as per prevailing Regulations of the Commission on Co-generation and Generation of Electricity from renewable Sources of Energy, there is no provision for year to year escalation in the different element of cost of the renewable energy. As such, the Commission has also preferred to adhere to the same doctrine for admitting the purchase cost towards renewable energy i.e. keeping the projected rates of such purchase of 2014-15 intact for 2015-16 and 2016-17 also.

4.6.3 The petitioner has projected the following cost of purchase from different CSGS and renewable sources in different years under the control period:

Source station Source station	2014-15			2015-16			2016-17		
	MU	Rate (Rs./kWh)	Cost (Lakh)	MU	Rate (Rs./kWh)	Cost (Lakh)	MU	Rate (Rs./kWh)	Cost (Lakh)
Rangit(NHPC)	33.28	2.90	965.06	33.60	2.96	993.82	33.60	3.02	1013.70
Teesta (NHPC)	196.56	2.19	4301.21	198.45	2.23	4429.42	198.45	2.28	4518.01
Talcher(NTPC)	18.99	3.05	579.23	19.42	3.50	679.70	19.42	4.04	783.90
Farakka(NTPC)	236.68	4.29	10161.65	242.06	4.85	11729.85	242.06	5.50	13319.67
Kanti(NTPC)	48.10	3.44	1654.40	54.97	3.71	2041.31	54.97	4.03	2217.49
Chukha(PTC)	160.00	1.84	2944.00	160.00	1.84	2944.00	160.00	1.84	2944.00
Kurichu(PTC)	160.00	2.13	3408.00	160.00	2.13	3408.00	160.00	2.13	3408.00
Tala(PTC)	80.00	2.02	1616.00	80.00	2.02	1616.00	80.00	2.02	1616.00
MPL	1880.10	4.41	83004.97	1984.55	5.04	100032.10	1984.55	5.79	114828.84
Solar-RPO	103.00	8.90	9167.00	113.00	8.90	10057.00	128.00	8.90	11392.00
Non-Solar RPO	482.33	5.04	24309.43	535.31	5.04	26979.62	628.94	5.04	31698.58
Total	3399.04	4.18	142110.95	3581.36	4.60	164910.81	3689.99	5.09	187740.18

4.6.4 The petitioner has further projected the other incidental charges related to power purchase during different years under the control period. The total power purchase cost including other incidental charges, as projected by the petitioner, are as follows:



Tariff Order of DVC for the years 2014-2015 and 2015-2016

Item	2014-15	2015-16	2016-17
Power Purchase Cost	142110.95	164910.81	187740.18
Other incidental charges:			
i) POC Transmission Charges	13401.13	14741.25	14741.25
ii) Non-POC Transmission Charges	6115.88	6544.00	6544.00
iii) ULDC Charges	1169.77	1109.71	1109.71
iv) POSCO Charges Payable by DVC	332.07	376.63	376.63
Sub total - Other incidental charges	21018.85	22771.59	22771.59
Total	163129.80	187682.40	210511.77

The Commission considers such other incidental charges and projected the same for the consumers of DVC in West Bengal on the basis of percentage of sale in West Bengal against the total sale of DVC for the respective years.

4.6.5 The power purchase cost from CSGS and Renewable Sources, as admitted by the Commission for sale to consumers of DVC in the command area in West Bengal, subject to truing up in APR are summarized in Annexures 4D, 4E and 4F.

4.7 Interest on Working Capital for Power Purchase:

DVC has claimed interest on working capital on power purchase cost for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 at Rs. 1860.00 lakh, Rs. 2126.00 lakh and Rs. 2384.00 lakh respectively. In terms of regulations 5.6.5.1 of the Tariff Regulations, as amended, working capital requirement shall be assessed on normative basis @ 18% on the base amount derived by summation of annual fixed charges and fuel and power purchase cost reduced by the elements determined, viz. depreciation, deferred revenue expenditure, return on equity, etc. It is also provided in the said regulation that where Monthly Variable Cost Adjustment (MVCA) exists the interest on working capital requirement will be 10% instead of 18%. Since interest on working capital on fuel cost and other fixed cost elements viz. interest on loan, O & M expenses including employee cost, Pension & Gratuity contribution, Sinking Fund contribution etc. for the relevant period of consideration are in the purview of CERC, those factors would be out of scope of consideration of the Commission. The



Tariff Order of DVC for the years 2014-2015 and 2015-2016

Commission has introduced MVCA for all the distribution licensees with effect from April, 2011. The Commission, thus, considers the working capital requirement @ 10% of power purchase cost only. The SBI Prime Lending Rate (PLR) as on 1.04.2013 and 1.04.2014 are 14.45% and 14.75% respectively. The Commission considers the Interest on working capital at the rate of 14.45% which is equal to SBI PLR as stood on 1st April, 2013 for the year 2014 – 2015 and at the rate of 14.75% as stood on 1.4.2014 for 2015 – 2016 and 2016 – 2017 under the control period as per regulation 5.6.5.2 of the Tariff Regulations.

Thus, taking in view of the above consideration, the Commission has admitted the following interest on Working Capital for the Command area of West Bengal subject to truing up in the subsequent period:

Particulars	Item of cost	2014-15	2015-16	2016-17
Proportionate cost of power purchase for sale in West Bengal	Rs. Lakh	57952.04	63188.54	64960.27
Working capital requirement @ 10% of Power purchase cost	Rs. Lakh	5795.20	6318.85	6496.03
SBI PLR Rate	%	14.45	14.75	14.75
Interest on W.C as per SBI PLR Rate	Rs. Lakh	837.41	932.03	958.16

4.8 Water Cess:

The Petitioner has submitted a claim for Water Cess for different years of the Control Period for consideration of the Commission. But, since the water requirement in bulk quantity is primarily an item of generation requirement for operating the power stations of the Petitioner, the subject issue being in the purview of CERC and hardly bears any effect in the distribution of power activity to the consumers of West Bengal, the Commission is unable to entertain any claim of the Petitioner in this respect.



4.9 Interest on Security Deposit to the consumers of West Bengal:

The Petitioner has submitted a claim on interest on the Security Deposit for the consumers of West Bengal with a projection of about 6% over the previous year's value in anticipation of gradual increase in the number of consumers in West Bengal in the years to come of the control period. DVC has claimed Rs. 158.00 lakh, Rs. 169.00 lakh and Rs. 183.00 lakh on this score for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 respectively. The Commission allows the above claim of the petitioner subject to truing up in the APR in subsequent period.

4.10 Projection of tariff petition filing fees and publication expenses:

The petitioner has projected the tariff petition filing fees and publication expenses as follows:

(Rs. in lakh)

Item	2014-15	2015-16	2016-17
Tariff filing fees in CERC	404.0	444.4	482.3
Publication expenses related to Central Commission	10.4	11.5	12.5
Total projected expenses for CERC	414.4	455.6	494.8
Sales ratio of West Bengal in comparison to total including Jharkhand	42.94%	42.66%	42.66%
Projected share for West Bengal area	177.94	194.36	211.08
Tariff filing fees for WBERC	26.25	26.25	26.25
Publication expenses related to WBERC	2.87	2.87	2.87
Projected tariff filing charge for WBERC	29.12	29.12	29.12
Total Projected tariff filing charge as admitted by the Commission subject to truing up	207.06	223.48	240.20

The Commission considers the tariff filing fees to WBERC and the publication expenses related to WBERC, as projected by DVC, to the tune of Rs. 29.12 lakh for all the three years 2014 – 2015, 2015 – 2016 and 2016 – 2017 subject to truing up in the respective APR.



4.11 Non-tariff income:

The Petitioner has projected Non-Tariff incomes as shown in their submission as Rs. 1286.00 lakh, Rs. 1373.20 lakh and Rs. 1473.84 lakh for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 respectively. The proportionate share of such income for sale to consumers in West Bengal comes at Rs. 550.28 lakh, Rs. 584.02 lakh and Rs. 624.17 lakh for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 respectively. The Commission admits the same subject to truing up in APR for the respective years.

4.12 Transmission and Distribution Expenses:

CERC has determined the tariff for composite transmission and distribution activities of DVC for the period 2009 – 2010 to 2013 – 2014 vide their order dated 27.09.2013. DVC has claimed proportionate cost for composite transmission and distribution expenses for West Bengal consumers in their ARR for the respective years. DVC has not claimed any further expenditure on account of distribution systems. As per CERC order the admitted expenditure on account of combined transmission and distribution systems of DVC for the year 2013 – 2014 is Rs. 51767.69 lakh. The Commission considers that amount to arrive at the admissible amount for sale to consumers in West Bengal area on the basis of admitted utilization of energy during the respective year under the control period. Such admitted amount for the years 2014 – 2015, 2015 – 2016 and 2016 – 2017 comes at Rs. 22151.39 lakh, Rs. 22016.80 lakh and Rs. 21923.62 lakh respectively.



ANNEXURE – 4A

**STATION WISE FIXED CHARGES AND ENERGY CHARGES FOR SALE TO CONSUMERS
IN COMMAND AREA OF DVC IN WEST BENGAL FOR THE YEAR 2014 – 2015**

SI No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for firm consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal	Normative Availability	Availability as projected (PAF)	Fixed cost as per CERC order/ Petition	Allowable Fixed cost as per PAF	Energy charge as per CERC order	Energy charge	Total Cost of Generation	Generation cost per unit	Cost of generation for share to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)	(%)	(%)	Rs. lakh	Rs. lakh	Paise/kWh	Rs. lakh	Rs. lakh	(Paise/kWh)	Rs. lakh
(1)	(2)	(3)	(4)	$[(5) = (3) \times (4)/100]$	(6)	$[(7) = (5) \times (6)/100]$	(8)	(9)	(10)	(11)	(12)	$[(13) = (3) \times (12)/12]$	$[(14) = (11) + (13)]$	(15)	$[(16) = (7) \times (15)/10]$
1	BTPS (Unit I to III)-630 MW	3490.50	93.27	3255.59	42.790	1393.07	75	74.67	45680.80	45479.80	181.86	63478.23	108958.03	312.16	43485.51
2	MTPS U# I to III -630 MW	3224.06	92.72	2989.35	42.790	1279.14	82	70.01	54097.74	46187.59	236.47	76239.35	122426.94	379.73	48572.67
3	CTPS U # I to III-390 MW	2102.32	93.09	1957.05	42.790	837.42	60	72.00	28651.63	34381.96	211.94	44556.57	78938.53	375.48	31443.69
4	DTPS U# III & IV-350 MW	1974.50	93.39	1843.99	42.790	789.04	74	75.75	27439.00	28087.90	298.25	58889.46	86977.36	440.50	34757.47
5	MTPS U # IV-210 MW	1085.90	92.79	1007.61	42.790	431.16	85	74.72	24284.78	21347.75	236.47	25678.28	47026.03	433.06	18671.83
6	MTPS U # 5 & 6	3285.15	30.01	985.87	42.790	421.85	85	86.88	49124.85	49668.11	250.27	82217.45	131885.56	401.46	16935.58
7	CTPS U#7&8-500 MW	3361.28	0.00	0.00	42.790	0.00	85	89.47	62137.63	63771.48	254.00	85376.51	149147.99	443.72	0.00
8	MTPS PH II U#7&8 -1000 MW	6579.98	16.66	1096.22	42.790	469.07	85	84.91	118371.50	118308.83	229.35	150911.84	269220.67	409.15	19192.06
9	KTPS U # 1 & 2-1000 MW	6360.83	28.79	1831.28	42.790	783.60	85	82.45	170860.40	168297.49	325.77	207216.76	375514.25	590.35	46260.15
10	DSTPS U#I & II -1000 MW	6562.53	7.91	519.10	42.790	222.12	85	84.91	139149.76	139076.09	325.77	213787.54	352863.63	537.69	11943.27
11	RTPS U#I & II-1000 MW	2935.31	73.92	2169.78	42.790	928.45	85	64.39	102516.24	85979.68	325.77	95623.59	181603.27	618.69	57441.82
12	MHS U # I,II,III-63.2 MW	96.50	75.56	72.92	42.790	31.20	80	80	3783.78	3783.78	0.00	0.00	3783.78	392.10	1223.36
13	PHS U I & II-80 MW	121.19	75.56	91.57	42.790	39.18	80	80	2788.98	2788.98	0.00	0.00	2788.98	230.13	901.66
14	THS-4 MW	6.73	75.56	5.09	42.790	2.18	80	80	857.31	857.31	0.00	0.00	857.31	1273.86	277.70
	Total	41186.78		17825.42		7627.48			829744.40	808016.75		1103975.58	1911992.33	464.22	331106.77



ANNEXURE – 4B

**STATION WISE FIXED CHARGES AND ENERGY CHARGES FOR SALE TO CONSUMERS
IN COMMAND AREA OF DVC IN WEST BENGAL FOR THE YEAR 2015 – 2016**

SI No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for firm consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal	Normative Availability	Availability as projected (PAF)	Fixed cost as per CERC order/ Petition	Allowable Fixed cost as per PAF	Energy charge as per CERC order	Energy charge	Total Cost of Generation	Generation cost per unit	Cost of generation for share to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)	(%)	(%)	Rs. lakh	Rs. lakh	Paise/kWh	Rs. lakh	Rs. lakh	(Paise/kWh)	Rs. lakh
(1)	(2)	(3)	(4)	$[(5) = (3) \times (4)/100]$	(6)	$[(7) = (5) \times (6)/100]$	(8)	(9)	(10)	(11)	(12)	$[(13) = (3) \times (12)/12]$	$[(14) = (11) + (13)]$	(15)	$[(16) = (7) \times (15)/10]$
1	BTPS (Unit I to III)-630 MW	3555.84	93.40	3321.15	42.525	1412.32	75	75.79	45680.80	46161.97	181.86	64666.51	110828.48	311.68	44019.21
2	MTPS U# 1 to III -630 MW	4017.21	94.16	3782.60	42.525	1608.55	82	84.88	54097.74	55997.76	236.47	94994.96	150992.72	375.86	60459.71
3	CTPS U # 1 to III-390 MW	2102.32	93.09	1957.05	42.525	832.24	60	71.81	28651.63	34291.23	211.94	44556.57	78847.80	375.05	31213.28
4	DTPS U# III & IV-350 MW	2037.33	93.60	1906.94	42.525	810.93	74	77.84	27439.00	28862.86	298.25	60763.37	89626.23	439.92	35674.44
5	MTPS U # IV-210 MW	1348.05	94.19	1269.73	42.525	539.95	85	85.43	24284.78	24407.63	236.47	31877.34	56284.97	417.53	22544.47
6	MTPS U # 5 & 6-500 MW	3213.21	29.70	954.32	42.525	405.82	85	84.40	49124.85	48951.47	250.27	80417.01	129368.48	402.61	16338.90
7	CTPS U#7 & 8-500 MW	3268.37	0.00	0.00	42.525	0.00	85	87.01	62137.63	62872.32	254.00	83016.60	145888.92	446.37	0.00
8	MTPS U 7 & 8 -1000 MW	6749.42	9.00	607.45	42.525	258.32	85	86.98	118371.50	119750.18	229.35	154797.95	274548.13	406.77	10507.76
9	KTPS U# 1 & 2-1000 MW	6731.65	20.74	1396.14	42.525	593.71	85	86.98	170860.40	172850.42	325.77	219296.96	392147.38	582.54	34586.14
10	DSTPS U#1&2-1000 MW	6731.47	8.81	593.04	42.525	252.19	85	86.98	139149.76	140770.45	325.77	219291.10	360061.55	534.89	13489.46
11	RTPS U#I & II-1000 MW	6002.18	48.20	2893.05	42.525	1230.27	85	71.45	187946.44	172966.00	325.77	195533.02	368499.02	613.94	75531.44
12	MHS U # I,II,III-63.2 MW	113.00	79.13	89.42	42.525	38.03	80	80	3783.78	3783.78	0.00	0.00	3783.78	334.85	1273.43
13	PHS U I & II-80 MW	141.91	79.13	112.29	42.525	47.75	80	80	2788.98	2788.98	0.00	0.00	2788.98	196.53	938.44
14	THS-4 MW	7.88	79.13	6.24	42.525	2.65	80	80	857.31	857.31	0.00	0.00	857.31	1087.96	288.31
	Total	46019.84		18889.42		8032.73			915174.60	915312.36		1249211.39	2164523.75		346864.98



ANNEXURE – 4C

**STATION WISE FIXED CHARGES AND ENERGY CHARGES FOR SALE TO CONSUMERS
IN COMMAND AREA OF DVC IN WEST BENGAL FOR THE YEAR 2016 – 2017**

SI No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for firm consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal	Normative Availability	Availability as projected (PAF)	Fixed cost as per CERC order/ Petition	Allowable Fixed cost as per PAF	Energy charge as per CERC order	Energy charge	Total Cost of Generation	Generation cost per unit	Cost of generation for share to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)	(%)	(%)	Rs. lakh	Rs. lakh	Paise/kWh	Rs. lakh	Rs. lakh	(Paise/kWh)	Rs. lakh
(1)	(2)	(3)	(4)	$[(5) = (3) \times (4)/100]$	(6)	$[(7) = (5) \times (6)/100]$	(8)	(9)	(10)	(11)	(12)	$[(13) = (3) \times (12)/12]$	$[(14) = (11) + (13)]$	(15)	$[(16) = (7) \times (15)/10]$
1	BTPS (Unit I to III)-630 MW	2964.24	89.78	2661.29	42.353	1127.14	75	65.00	45680.80	39590.03	181.86	53907.67	93497.70	315.42	35552.11
2	MTPS U# 1 to III -630 MW	3705.30	91.83	3402.58	42.353	1441.09	82	80.00	54097.74	52778.28	236.47	87619.23	140397.51	378.91	54604.34
3	CTPS U # 1 to III-390 MW	0.00	0.00	0.00	0.000	0.00	60	0.00	28651.63	0.00	211.94	0.00	0.00	0.00	0.00
4	DTPS U# III & IV-350 MW	1155.98	91.27	1055.06	42.353	446.85	74	75.00	27439.00	27809.80	298.25	34477.10	62286.90	538.82	24077.32
5	MTPS U # IV-210 MW	1235.10	91.83	1134.19	42.353	480.36	85	80.00	24284.78	22856.26	236.47	29206.41	52062.67	421.53	20248.42
6	MTPS U # 5 & 6-500 MW	3188.64	30.00	956.59	42.353	405.14	85	85.00	49124.85	49124.85	250.27	79802.09	128926.94	404.33	16381.11
7	CTPS U#7&8-500 MW	3188.64	0.00	0.00	42.353	0.00	85	85.00	62137.63	62137.63	254.00	80991.46	143129.09	448.87	0.00
8	MTPS U 7 & 8 -1000 MW	7017.86	48.10	3375.59	42.353	1429.66	85	90.00	118371.50	121853.01	229.35	160954.62	282807.63	402.98	57612.83
9	RTPS U# 1 & II-1000 MW	8513.40	0.00	0.00	42.353	0.00	85	85.00	205032.48	205032.48	325.77	277341.03	482373.51	566.61	0.00
10	DSTPS U#1&2-1000 MW	6999.24	60.00	4199.54	42.353	1778.63	85	90.00	139149.76	143242.40	325.77	228014.24	371256.64	530.42	94342.84
11	KTPS U# 1 & 2-1000 MW	6999.24	52.49	3673.90	42.353	1556.01	85	90.00	170860.40	175885.71	325.77	228014.24	403899.95	577.06	89791.51
12	MHS U # I,II,III-63.2 MW	113.00	73.07	82.57	42.353	34.97	80	80	3783.78	3783.78	0.00	0.00	3783.78	334.85	1170.96
13	PHS U I & II-80 MW	141.91	73.07	103.69	42.353	43.92	80	80	2788.98	2788.98	0.00	0.00	2788.98	196.53	863.17
14	THS-4 MW	7.88	73.07	5.76	42.353	2.44	80	80	857.31	857.31	0.00	0.00	857.31	1087.96	265.46
	Total	45230.43		20650.76		8746.21			886579.84	907740.52		0.00	2168068.61		394910.08



ANNEXURE – 4D

Computation of Power purchase cost for the year 2014-15

Sl. No	Agency	Energy	CTU Grid loss	Net Purchase	Power purchase rate	Amount of purchase of power	Net rate of purchase	Percentage share for sale to consumers in West Bengal	Share of net quantum of purchase for sale to consumers in West Bengal	Admitted quantum of net purchase for sale to consumers in West Bengal	Amount of purchase of power for sale to consumers in West Bengal
(1)	(2)	MU (3)	MU (4)	MU [(5)= (3)-(2)]	Paise/kWh (6)	Rs. lakh [(7)=(3)x(6)/10]	Paise/kWh [(8)=(7)/(5)*10]	% (9)	MU [10]=(5)x(9)/100]	MU (11)	Rs. Lakh [(12)=(11)x(8)/10]
1	NTPC Ltd										
	a) Farakka (FSTPS-III)	236.68	6.39	230.29	378.00	8946.50	388.49	42.790	98.54	98.54	3828.22
	b) Talcher (TSTPS)	18.99	0.51	18.48	264.80	502.86	272.11	42.790	7.91	7.91	215.17
	c) Kanti TPS	48.1	1.3	46.8	314.00	1510.34	322.72	42.790	20.03	20.03	646.27
2	PTC India Ltd.										
	a) Chukha HEP	160	4.32	155.68	159.00	2544.00	163.41	42.790	66.62	66.62	1088.56
	b) Kuruchhu HEP	160	4.32	155.68	213.00	3408.00	218.91	42.790	66.62	66.62	1458.28
	c) Tala HEP	80	2.16	77.84	202.00	1616.00	207.61	42.790	33.31	33.31	691.50
3	NHPC Ltd.										
	a) Rangeet HEP	33.28	0.9	32.38	276.20	919.19	283.88	42.790	13.86	13.86	393.33
	b) Teesta HEP	196.56	5.31	191.25	208.40	4096.31	214.19	42.790	81.84	81.84	1752.84
4	Maithon Power Ltd.	1880.1	50.76	1829.34	384.90	72365.05	395.58	42.790	782.77	620.84	24559.37
5	Renewable Power										
	Solar	103.00	2.78	100.22	890.00	9167.00	914.69	42.790	42.88	42.88	3922.57
	Non-solar	482.33	13.02	469.31	504.00	24309.43	517.98	42.790	200.82	200.82	10401.96
	Total	3399.04	91.77	3307.27		129384.68			1415.18	1253.25	48958.08

Other incidental Charges related to power purchase	21018.85
Share of other incidental charges for sale in West Bengal	8993.97
Cost of power purchase for sale in West Bengal	48958.08
Total cost of power purchase for sale in West Bengal	57952.04



ANNEXURE – 4E

Computation of Power purchase cost for the year 2015-16

Sl. No	Agency	Energy	CTU Grid loss	Net Purchase	Power purchase rate	Amount of purchase of power	Net rate of purchase	Percentage share for sale to consumers in West Bengal	Share of net quantum of purchase for sale to consumers in West Bengal	Admitted quantum of net purchase for sale to consumers in West Bengal	Amount of purchase of power for sale to consumers in West Bengal
		MU	MU	MU	Paise/kWh	Rs. lakh	Paise/kWh	%	MU	MU	Rs. Lakh
(1)	(2)	(3)	(4)	[(5) = (3)-(2)]	(6)	[(7)=(3)x(6)/10]	[(8)=(7)/(5)*10]	(9)	[10]=(5)x(9)/100]	(11)	[(12)=(11)x(8)/10]
1	NTPC Ltd										
	a) Farakka (FSTPS-III)	242.06	6.54	235.52	378.00	9149.87	388.50	42.353	99.75	99.75	3875.28
	b) Talcher (TSTPS)	19.42	0.52	18.9	264.80	514.24	272.09	42.353	8.00	8.00	217.80
	c) Kanti TPS	54.97	1.48	53.49	314.00	1726.06	322.69	42.353	22.65	22.65	731.04
2	PTC India Ltd.										
	a) Chukha HEP	160	4.32	155.68	159.00	2544.00	163.41	42.353	65.94	65.94	1077.45
	b) Kuruchhu HEP	160	4.32	155.68	213.00	3408.00	218.91	42.353	65.94	65.94	1443.39
	c) Tala HEP	80	2.16	77.84	202.00	1616.00	207.61	42.353	32.97	32.97	684.44
3	NHPC Ltd.										
	a) Rangeet HEP	33.6	0.91	32.69	276.20	928.03	283.89	42.353	13.85	13.85	393.05
	b) Teesta HEP	198.45	5.36	193.09	208.40	4135.70	214.18	42.353	81.78	81.78	1751.55
4	Maithon Power Ltd.	1984.55	53.58	1930.97	384.90	76385.33	395.58	42.353	817.82	699.83	27684.02
5	Renewable Power										
	Solar	113.00	3.05	109.95	890.00	10057.00	914.69	42.353	46.57	46.57	4259.45
	Non-solar	535.31	14.45	520.86	504.00	26979.62	517.98	42.353	220.60	220.60	11426.63
	Total	3581.36	96.69	3484.67		137443.85			1475.86	1357.87	53544.10

Other incidental Charges related to power purchase
 Share of other incidental charges for sale in West Bengal
 Cost of power purchase for sale in West Bengal
 Total cost of power purchase for sale in West Bengal

22771.58
 9644.45
 53544.10
 63188.54



ANNEXURE – 4F

Computation of Power purchase cost for the year 2016-17

Sl. No	Agency	Energy MU	CTU Grid loss MU	Net Purchase MU	Power purchase rate Paise/kWh	Amount of purchase of power Rs. lakh	Net rate of purchase Paise/kWh	Percentage share for sale to consumers in West Bengal %	Share of net quantum of purchase for sale to consumers in West Bengal MU	Admitted quantum of net purchase for sale to consumers in West Bengal MU	Amount of purchase of power for sale to consumers in West Bengal Rs. Lakh
(1)	(2)	(3)	(4)	[(5)= (3)-(2)]	(6)	[(7)=(3)x(6)/10]	[(8)=(7)/(5)*10]	(9)	[10)=(5)x(9)/100]	(11)	[(12)=(11)x(8)/10]
1	NTPC Ltd										
	a) Farakka (FSTPS-III)	242.06	6.54	235.52	378.00	9149.87	388.50	42.525	100.15	100.15	3891.02
	b) Talcher (TSTPS)	19.42	0.52	18.90	264.80	514.24	272.09	42.525	8.04	8.04	218.68
	c) Kanti TPS	54.97	1.48	53.49	314.00	1726.06	322.69	42.525	22.75	22.75	734.01
2	PTC India Ltd.										
	a) Chukha HEP	160	4.32	155.68	159.00	2544.00	163.41	42.525	66.20	66.20	1081.82
	b) Kuruchhu HEP	160	4.32	155.68	213.00	3408.00	218.91	42.525	66.20	66.20	1449.25
	c) Tala HEP	80	2.16	77.84	202.00	1616.00	207.61	42.525	33.10	33.10	687.22
3	NHPC Ltd.										
	a) Rangeet HEP	33.6	0.91	32.69	276.20	928.03	283.89	42.525	13.90	13.90	394.65
	b) Teesta HEP	198.45	5.36	193.09	208.40	4135.70	214.18	42.525	82.11	82.11	1758.66
4	Maithon Power Ltd.	1984.55	53.58	1930.97	384.90	76385.33	395.58	42.525	821.14	675.89	26737.05
5	Renewable Power										
	Solar	128.00	3.5	124.50	890.00	11392.00	915.02	42.525	52.94	52.94	4844.45
	Non-solar	628.94	17.21	611.73	504.00	31698.58	518.18	42.525	260.14	260.14	13479.84
	Total	3689.99	99.9	3590.09		143497.80				1381.44	55276.66

Other incidental Charges related to power purchase	22771.58
Share of other incidental charges for sale in West Bengal	9683.61
Cost of power purchase for sale in West Bengal	55276.66
Total cost of power purchase for sale in West Bengal	64960.27



CHAPTER – 5 SUMMARISED STATEMENT OF AGGREGATE REVENUE REQUIREMENT & REVENUE RECOVERABLE THROUGH TARIFF FOR THE YEARS 2014-15, 2015-16 & 2016-17

- 5.1 Based on the analyses and findings recorded in the foregoing chapters we are now drawing the statements of Aggregate Revenue Requirement (ARR) separately for each of the three years of the control period covering the years 2014-15, 2015-16 and 2016-17. Such statements are given below:

Rs. in lakh

Item	As admitted by the Commission		
	2014-15	2015-16	2016-17
Power Purchase Cost	57952.04	63188.54	64960.27
Generation cost	331106.77	346864.98	394910.08
Transmission and distribution cost	22151.39	22016.80	21923.62
Interest on Working capital	837.41	932.03	958.16
Interest on security deposit payable to West Bengal consumers	158.00	169.00	183.00
Tariff Filing Charge	29.12	29.12	29.12
Gross Total	412234.73	433200.47	482964.25
Less: Non-tariff income	550.28	584.02	624.17
Net ARR for sale to consumers in West Bengal	411684.45	432616.45	482340.08

- 5.2 The Commission has also worked out the average tariff for consumers of DVC for the years 2014 – 2015 and 2015 – 2016 and the same are shown in the table below:



Tariff Order of DVC for the years 2014-2015 and 2015-2016

AVERAGE TARIFF FOR THE CONSUMERS OF DVC FOR THE YEARS 2014 – 2015 AND 2015 – 2016				
Sl. No.	Particulars	Unit	2014 – 2015	2015 – 2016
1.	Total revenue to be recovered through tariff	Rs. Lakh	411684.45	432616.45
2.	Projected quanta of energy for sale to the consumers	MU	8638.98	9127.11
3.	Average tariff for the consumers [(3)= [(1) ÷ (2)]	Paisa / kWh	476.54	473.99

- 5.3 There is a steep increase in the net ARR of DVC for the year 2016 – 2017 due to utilization of considerable quantum of energy from the new generating stations of DVC whose average generation costs are much more than that of the old generating stations. The reasons for higher quantum of energy drawal from new generating stations are mainly to meet additional energy requirement in 2016 – 2017 and closer of CTPS U# I to III during the year as projected by DVC.



CHAPTER - 6 TARIFF ORDER

6.1 In the previous chapter, the Commission has determined for DVC the revenue recoverable through tariff during 2014 – 2015 and the average tariff for the consumers of DVC for 2014 – 2015 as well. The Commission now proceeds to determine the tariff schedule applicable to the consumers of DVC and also the associated conditions of tariff of DVC for 2014 – 2015. The Commission is passing other orders also as mentioned in subsequent paragraphs.

6.2 The tariff schedule as applicable to the consumers of DVC in the year 2014-15 is given at Annexure – 6A1 for LV and MV consumers and at Annexure – 6A2 for HV and EHV consumers. The said tariff structure has been designed in a manner to fulfill the objective of attaining average tariff of each class of consumers within 80% to 120% of the average cost of supply (476.54 paise / kWh as per paragraph 5.2 of this order) except for lifeline consumers. For lifeline consumers the tariff has been kept at least of about 50% of average cost of supply in line with the guidelines in paragraph 8.3(i) of National Tariff Policy.

DVC, as stated in their application, has been undertaking LT supply for very insignificant quantum of electricity to meet their own colony consumption and also to meet the lighting load at Bokaro and Waria railway stations since inception at a nominal rate. Moreover, the Commission has already given direction to DVC to build up their LT infrastructure to give electric supply to all consumers under their area of supply in West Bengal. The Commission thus considers to specify the tariff schedule for low and medium voltage consumers.

6.3 Details of different tariff schemes of different classes of consumers and various associated terms and conditions are specified in various regulations and in Annexure C1 and Annexure C2 of the Tariff Regulations. Other associated conditions of the tariff for 2014-15 shall be as follows:



6.3.1 Load Factor Rebate / Surcharge:

6.3.1.1 In order to reduce the overall system T&D loss and to flatten the load curve by improving the existing system load factor of DVC, the HT industrial consumers shall receive voltage wise graded load factor rebate as per the following table:

LOAD FACTOR REBATE (Paise / kWh)

Range of Load Factor (LF)		Supply Voltage		
		Below 33 kV	33 kV	Above 33 kV
Above 65%	Up to 70%	1	2	3
Above 70%	Up to 75%	3	4	5
Above 75%	Up to 80%	5	6	7
Above 80%	Up to 85%	7	8	9
Above 85%	Up to 90%	10	12	14
Above 90%		13	16	19

6.3.1.2 The above load factor rebate shall be applicable on quantum of energy consumed in the billing period. (For example a 33 kV industrial consumer at 85% load factor shall be eligible for a rebate @ 8 paise / kWh on the total quantum of energy consumed in the billing period).

6.3.1.3 Load factor surcharge shall be levied on HV industrial and HV commercial consumers if the load factor falls below 30%. The surcharge for the load factor less than 30% but equal to or above 25% shall be 5 paise / kWh for the amount of energy by which consumption falls short of energy corresponding to a load factor of 30%. The surcharge for the load factor below 25% shall be 10 paise / kWh and shall be applicable only for the amount of energy by which the consumption falls short of energy corresponding to a load factor of 25% but not less than the amount of surcharge that would have been payable for load factor at 25% computed @ 5 paise / kWh. (For example, a HV industrial or commercial consumer at 28% load factor shall be liable to pay surcharge @ 5 paise / kWh on



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

the quantum of energy to be consumed at 30% load factor minus total energy consumed in the billing period. Similarly, a HV industrial or commercial consumer at 24% load factor shall be liable to pay surcharge @ 10 paise / kWh on the quantum of energy to be consumed at 25% load factor minus total energy consumed in the billing period but not less than the amount of surcharge that would have been payable for load factor at 25% computed @ 5 paise / kWh).

6.3.1.4 The load factor rebate and load factor surcharge shall be computed in accordance with the formula and associated principles given in regulations 3.9.2, 3.9.3 and 3.9.4 of the Tariff Regulations and at the rates as mentioned in paragraphs 6.3.1.1 and 6.3.1.3 above.

6.3.2 Fixed / Demand Charge:

6.3.2.1 The fixed charge shall be applicable to different categories of consumers as per rate as shown in Annexure – 6A1 of this tariff order.

6.3.2.2 The demand charge shall be applicable to different categories of consumers as per rate as shown in Annexure – 6A1 and Annexure – 6A2 of this order on the basis of recorded demand as specified in regulation 4.3.3 of the Tariff Regulations.

6.3.2.3 When a new consumer gets connected to the system, the computation of fixed charge or demand charge for that month shall be made pro-rata for the number of days of supply in that particular month.

6.3.3 Subject to conditions as specified in regulation 4.13 of the Tariff Regulations, minimum charge shall continue at existing level for all consumers.



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- 6.3.4 For a pre-paid consumer who has purchased voucher prior to issue of this order, the existing tariff will continue till such voucher is exhausted.
- 6.3.5 For all consumers excluding consumers having pre-paid meters, rebate shall be given @ 1% of the amount of the bill excluding meter rent, taxes, duties, levies and arrears (not being the arrears due to revision of tariff) if the payment is made within the due date.
- 6.3.6 In addition to the rebate under paragraphs 6.3.4 and 6.3.5 above, if the payment is made within due date, then an additional rebate of 1% of the amount of the bill excluding meter rent, taxes, duties, levies and arrears (not being arrears due to revision of tariff) would be allowed to the consumers who would pay their energy bills through e-payment facility (through web by using net banking, debit card, credit card, electronic clearing scheme) as introduced by DVC. The prepaid consumers purchasing prepaid voucher through e-payment facility will get 1% rebate in voucher amount. A rebate of Rs. 5.00 will be admissible prospectively if any consumer opt for e-bill following regulation 3.1.10 of West Bengal Electricity Regulatory Commission (Electricity Supply Code) Regulations, 2013. These rebates are applicable after giving effect under paragraphs 6.3.4 and 6.3.5 of this order.
- 6.3.7 Power Factor Rebate / Surcharge:**
- 6.3.7.1 The power factor rebate and surcharge shall be applicable for the consumers at HV and EHV to whom those were applicable during the year 2014 – 2015. The rate of rebate and surcharge and the methods of calculation of such rebate and surcharge are given below:



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

Power Factor (PF) Range in %	Power Factor Rebate & Surcharge on Energy Charge in Percentage							
	For Consumers under TOD Tariff						For Consumers under non-TOD Tariff	
	Normal Period		Peak Period		Off-peak Period		Rebate in %	Surcharge in %
	Rebate in %	Surcharge in %	Rebate in %	Surcharge in %	Rebate in %	Surcharge in %		
PF > 99%	8.00	0.00	9.00	0.00	7.00	0.00	5.00	0.00
PF > 98% & PF ≤ 99%	7.00	0.00	8.00	0.00	6.00	0.00	4.00	0.00
PF > 97% & PF ≤ 98%	5.00	0.00	6.00	0.00	4.00	0.00	3.00	0.00
PF > 96% & PF ≤ 97%	4.00	0.00	5.00	0.00	3.00	0.00	2.50	0.00
PF > 95% & PF ≤ 96%	3.00	0.00	4.00	0.00	2.00	0.00	2.00	0.00
PF > 94% & PF ≤ 95%	2.25	0.00	3.00	0.00	1.50	0.00	1.50	0.00
PF > 93% & PF ≤ 94%	1.50	0.00	2.00	0.00	1.00	0.00	1.00	0.00
PF > 92% & PF ≤ 93%	0.75	0.00	1.00	0.00	0.50	0.00	0.50	0.00
PF ≥ 86% & PF ≤ 92%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PF ≥ 85% & PF < 86%	0.00	0.75	0.00	1.00	0.00	0.50	0.00	0.50
PF ≥ 84% & PF < 85%	0.00	1.50	0.00	2.00	0.00	1.00	0.00	1.00
PF ≥ 83% & PF < 84%	0.00	2.25	0.00	3.00	0.00	1.50	0.00	1.50
PF ≥ 82% & PF < 83%	0.00	3.00	0.00	4.00	0.00	2.00	0.00	2.00
PF ≥ 81% & PF < 82%	0.00	4.00	0.00	5.00	0.00	3.00	0.00	2.50
PF ≥ 80% & PF < 81%	0.00	5.00	0.00	6.00	0.00	4.00	0.00	3.00
PF < 80%	0.00	6.00	0.00	7.00	0.00	5.00	0.00	3.50

6.3.7.2 The rebate and surcharge against different time periods shall be reflected in the bill separately and shall be treated separately.

6.3.7.3 The above rates of rebate and surcharge against different time period are applicable from the month of April, 2014.

6.3.8 For short term supply, emergency supply and for supply of construction power, there shall be no rebate or surcharge for load factor and power factor.

6.3.9 Delayed payment surcharge shall be applicable as per regulation 4.14 of the Tariff Regulations.



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

- 6.3.10 All existing charges relating to meter rent, meter testing, meter replacement, disconnection and reconnection etc. shall continue.
- 6.3.11 A consumer opting for pre-paid meter shall not be required to make any security deposit for the energy charge.
- 6.3.12 All statutory levies like electricity duty or any other taxes, duties etc. imposed by the State Govt. / Central Govt. or any other competent authority shall be extra and shall not be a part of the tariff determined under this tariff order.
- 6.3.13 All the rates and conditions of tariff are effective for the period from 01.04.2014 to 31.03.2015. Adjustments, if any, for over recovery / under recovery for the period 01.04.2014 to 31.03.2015 from the energy recipient shall be made in 10 (ten) equal monthly instalments through energy bills for July, 2015 onwards.
- 6.3.14 The rates mentioned in Annexure 6A1 and 6A2 exclude the Monthly Variable Cost Adjustment (MVCA) or Adhoc FPPCA / or FCA, if any, as realized / to be realized by DVC. Against such rate while adjustment will be done as per paragraph 6.3.13, then the MVCA realized, if any, against the consumption within the period 01.04.2014 to 31.03.2015 shall also be considered as realization against above mentioned tariff rates of 2014 – 2015 as shown in Annexure 6A1 and 6A2 and accordingly adjustment is to be done as mentioned in paragraph 6.3.13.
- 6.3.15 In addition to the tariff determined under this tariff order, DVC will be further entitled to additional sums towards enhanced cost of fuel and power purchase, if any, after the date from which this tariff order takes effect. Thus DVC shall compute the energy charge rate for their own generating stations as per formula given in CERC Tariff Regulations for any change in fuel price after the date of effect of this order and shall adjust the same in the adjustment to be made as per paragraph 6.3.13. The generation cost for own generating stations and power



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

purchase cost are subject to adjustment in accordance with the Tariff Regulations on the basis of tariff order to be passed by the CERC for the period 2014 – 2019.

6.3.16. Any variation in fixed charges for the generating units of DVC, both existing and new units and the fixed cost for transmission and distribution systems of DVC cost of which have not yet been determined by CERC for the period 2014 – 2019 shall be adjusted in future tariff as per provisions of the Tariff Regulations of the Commission after determination of the same by CERC. Any variation in power purchase cost shall be adjusted in MVCA.

6.3.17. For any pre-paid and TOD tariff scheme, other charges shall be the charges applicable to consumers under respective category of non-TOD tariff.

6.3.18. An applicant for short term supplies through pre-paid meter shall have to comply with all necessary formalities for obtaining supply including payment in accordance with the Regulations made by the Commission. The same will be subject to the following conditions:

- i. Provision of requisite meter security deposit, to be kept with the licensee;
- ii. Provision of space for installing weather-proof, safe and secure terminal services apparatus to protect sophisticated meter; and
- iii. Availability of prepaid-meter of appropriate capacity

6.3.19. To avail Rate - D(1) for street lighting the supply should be metered and all the street lights under the same meter shall be illuminated with LED. For mixed type of street lights under one meter Rate – D(6) shall be applicable.

6.3.20. The existing time strata for TOD meter shall continue.

6.3.21. Any matter, which has not been explicitly mentioned in this order, shall be guided by regulations 2.9.8 and 2.9.9 of the Tariff Regulations.



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

- 6.4 The tariffs determined under this order for different categories of consumers are the maximum ceilings for supply of electricity at any agreed price to the consumers of DVC only for those areas of supply of DVC in West Bengal where multiple licensees exist. However, in this case if supply is provided to a consumer at a price lesser than the upper ceiling, and as a result the licensee incurs loss, such loss shall not be allowed to be passed on to any other consumers or any other distribution licensees under purview of the Commission.
- 6.5 The Commission has given some directions to DVC on different issues which are in Chapter – 8 of this order.
- 6.6 It is open to the State Government to grant any subsidy to any consumer or any class of consumers in the tariff determined by the Commission for DVC. If at all any such subsidy under the provisions of the Act is intimated to DVC and to the Commission by the Government of West Bengal with clear indication of the consumer or class of consumers to be subsidized and the amount of the subsidy proposed to be given is paid in advance, the tariff of such consumer and / or the class of consumers shall be deemed to have been reduced accordingly as has been indicated by the State Government. However, such direction of the State Government shall not be operative till the payment is made by the State Government in accordance with the provisions of the Act and the Regulations made thereunder, and the tariff as fixed by the Commission shall remain applicable. In accordance with the Tariff Regulations, the State Government is required to communicate within 15 days from the date of receipt of a tariff order, whether it shall give any subsidy to any group of consumers etc.
- 6.7 DVC shall present to the Commission a gist of this order showing salient features of tariff / tariffs within three working days from the date of receipt of this order for approval of the Commission and on receipt of the approval shall publish the approved gist in terms of regulation 2.9.6 of the Tariff Regulations within four working days from the date of receipt of the approval of the Commission.



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme													
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II								
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon				
1.	Lifeline (Domestic)	D (LL)	Normal	All Units	238	5	Not Applicable					Not Applicable								
2.	Domestic	D(L)	Normal	All Units	475	10	D(Lpp)	Prepaid	All Units	465	10	Not Applicable								
3.	Commercial	C(L)(ia)	Normal	All Units	475	20	C(Lt)(ia)	Normal TOD	06.00 hrs to 17.00 hrs	All units	465	20	C(Ltp)(ia)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	460	20		
									17.00 hrs to 23.00 hrs.	All units	511						17.00 hrs to 23.00 hrs.		All units	506
									23.00 hrs to 06.00 hrs	All units	390						23.00 hrs to 06.00 hrs		All units	392



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme								
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II			
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh
4.	Irrigation	Rate C(at)	Normal TOD	06.00 hrs to 17.00 hrs	All units	400	20	Rate C(atpp)	Pre-Paid TOD	06.00 hrs to 17.00 hrs	All units	390	20	Not Applicable.		
				17.00 hrs to 23.00 hrs.	All units	772				17.00 hrs to 23.00 hrs.	All units	752				
				23.00 hrs to 06.00 hrs	All units	260				23.00 hrs to 06.00 hrs	All units	253				
5.	Commercial Plantation	Rate A(Cm-Ptpp)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	475	40	Not Applicable					Not Applicable.			
				17.00 hrs to 23.00 hrs.	All units	701										
				23.00 hrs to 06.00 hrs	All units	285										



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme							
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II		
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH
6.	Short Term Irrigation Supply	Rate C (stppt)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	444	20	Not Applicable					Not Applicable		
				17.00 hrs to 23.00 hrs.	All units	856									
				23.00 hrs to 06.00 hrs	All units	287									
7.	Short Term supply for Commercial Plantation	Rate A (Cm- StPtp)	Pre-paid TOD	06.00 hrs to 17.00 hrs	All units	485	40	Not Applicable					Not Applicable		
				17.00 hrs to 23.00 hrs.	All units	936									
				23.00 hrs to 06.00 hrs	All units	315									



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme											
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II							
				Consumer category	Name of the Tariff Scheme			Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon				
8.	Short-term Supply	Rate STLT	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	485	40	Not Applicable				Not Applicable							
				17.00 hrs to 23.00 hrs.	All units	533													
				23.00 hrs to 06.00 hrs	All units	451													
9.	Government School, Government aided School or Government Sponsored School	Rate GS(L)	Normal	On all Units		450	20	Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	440	20	Not Applicable					
										17.00 hrs to 20.00 hrs.	All units	484							
										23.00 hrs to 06.00 hrs	All units	427							
10.	Public utility/ Specified Institution/ Public Bodies Municipal or Non-Municipal	Rate PU(LT)	Normal	On all Units		470	20	Rate PUpp (LT)	Prepaid	On all Units		460	20	Rate PUppt (LT)	Prepaid TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	450	20
																17.00 hrs to 20.00 hrs.	All units	495	
																23.00 hrs to 06.00 hrs	All units	419	



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme									
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II				
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh
11.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power	Rate C(L)(ii)	Normal	All Units	464	20	Rate Cppt (L) (ii)	Prepaid - TOD	06.00 hrs - 17.00 hrs	All Units	454	20	Not Applicable			
									17.00 hrs to 23.00 hrs	All Units	499					
									23.00 hrs to 06.00 hrs	All Units	422					
12.	Poultry, Duckery, Horticulture, Tissue culture, Floriculture, Herbal - Medicinal - Bio-diesel Plant Farming, Food Processing Unit	Rate C(L)(ii)	Normal	All Units	474	20	Rate Cppt (L) (iii)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	464	20	Not Applicable			
									17.00 hrs to 23.00 hrs	All Units	510					
									23.00 hrs to 06.00 hrs	All Units	432					



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme									
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II				
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
13.	Public Water Works & Sewerage System	Rate B (II)	Normal	On all Units	464	40	Rate B (II) ppt	Prepaid - TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs to 23.00 hrs	All Units	454	40	Not Applicable.			
									17.00 hrs to 20.00 hrs.	All Units	635					
									23.00 hrs to 06.00 hrs	All Units	298					
14.	Industry	Rate I(L)	Normal	All Units	474	40	Rate I(L)	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	464	40	Not Applicable			
									17.00 hrs to 23.00 hrs	All Units	650					
									23.00 hrs to 06.00 hrs	All Units	306					
15.	Street Lighting	Rate D(1)	Normal	On all Units	454	40	Not Applicable					Not Applicable				
16.	Street Lighting with LED	Rate D(6)	Normal	On all Units	414	40	Not Applicable					Not Applicable				



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II				
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh
17.	Private Educational Institutions and Hospitals	Rate S (L)	Normal	On all Units		474	40	Rate St (L)	Normal TOD	06.00 hrs to 17.00 hrs	All Units	464	40	Not Applicable			
										17.00 hrs to 23.00 hrs	All Units	510					
										23.00 hrs to 06.00 hrs	All Units	431					
18.	Emergency Supply	Rate D (2)	Prepaid-TOD	06.00 hrs to 17.00 hrs	On all Units	524	40	Not Applicable					Not Applicable				
				17.00 hrs to 23.00 hrs	On all Units	733											
				23.00 hrs to 06.00 hrs	On all Units	346											



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme								
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II				
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh
19.	Construction Power Supply	Rate D (3)	Prepaid-TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	474	40	Not Applicable				Not Applicable.				
				17.00 hrs to 20.00 hrs.	On all Units	663										
				23.00 hrs to 06.00 hrs	On all Units	313										
20.	Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate D(4)	Normal	All units	464	20	Rate D(4)t	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	454	20	Not Applicable			
									17.00 hrs to 23.00 hrs	All Units	499					
									23.00 hrs to 06.00 hrs	All Units	422					



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme							
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II			
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH
21.	Common Services of Industrial Estate	Rate D(5)	Prepaid - TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	464	40	Not Applicable				Not Applicable			
				17.00 hrs to 20.00 hrs.	On all Units	650									
				23.00 hrs to 06.00 hrs	On all Units	306									

Note :- * Fixed Charge will be applicable for the Consumer having Contract Demand below 50 KVA and Demand Charge will be applicable for the consumer having Contract Demand of 50 KVA and above.



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

SI No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme							
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	
					P/kWh							P/kWh				
					Summer	Monsoon	Winter					Summer	Monsoon	Winter		
1.	Public Utility	Rate PU (H)	Normal	All Units	434	431	428	320	Rate PU (Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	424	422	420	320
											17.00 hrs-20.00 hrs	All Units	509	506	504	
											23.00 hrs-06.00 hrs	All Units	360	359	357	
2.	Industries (11 KV)	Rate I-1 (H)	Normal	All Units	440	438	436	320	Rate I (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	430	428	426	320
											17.00 hrs-23.00 hrs	All Units	516	514	511	
											23.00 hrs-06.00 hrs	All Units	366	364	362	
3.	Industries (33 KV)	Rate I-2 (H)	Normal	All Units	431	429	427	320	Rate I-2 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	423	421	419	320.
											17.00 hrs-23.00 hrs	All Units	508	505	503	
											23.00 hrs-06.00 hrs	All Units	360	358	356	
4.	Industries (132 KV)	Rate I-3 (H)	Normal	All Units	420	418	416	320	Rate I-3 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	412	410	408	320.
											17.00 hrs-23.00 hrs	All Units	494	492	490	
											23.00 hrs-06.00 hrs	All Units	350	349	347	
5.	Industries (220 KV and above)	Rate I-4 (H)	Normal	All Units	405	403	401	320	Rate I-4 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	397	395	393	320.
											17.00 hrs-23.00 hrs	All Units	476	474	472	
											23.00 hrs-06.00 hrs	All Units	337	336	334	



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

SI No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme								
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/month)
						P/kWh								P/kWh			
						Summer	Monsoon	Winter						Summer	Monsoon	Winter	
6.	Community Irrigation/ Irrigation	Rate AI (H)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	429	425	421	50	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	857	849	841									
				23.00 hrs-06.00 hrs	All Units	258	256	253									
7.	Commercial Plantation	Rate S (cp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	454	451	449	320	Not Applicable.							
				17.00 hrs-23.00 hrs	All Units	635	631	628									
				23.00 hrs-06.00 hrs	All Units	299	297	296									
8.	Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	444	439	434	50	Not Applicable.							
				17.00 hrs-23.00 hrs	All Units	614	604	594									
				23.00 hrs-06.00 hrs	All Units	267	264	261									
9.	Short Term Supply for Commercial Plantation	Rate S(stcp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	464	462	460	320	Not Applicable.							
				17.00 hrs-23.00 hrs	All Units	649	647	644									
				23.00 hrs-06.00 hrs	All Units	279	277	276									
10.	Commercial	Rate C (H)	Normal	All Units		444	441	438	320	Rate C (Ht)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	434	429	424	320
											17.00 hrs-23.00 hrs	All Units	521	515	509		
											23.00 hrs-06.00 hrs	All Units	369	365	360		
11.	Domestic	Rate D (H)	Normal	All Units		464	461	458	50	Rate D (Ht)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	454	448	442	50
												17.00 hrs-23.00 hrs	All Units	499	493	486	
												23.00 hrs-06.00 hrs	All Units	422	417	411	



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

SI No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme						
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)
					P/kWh							P/kWh			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
12.	Public Water Works & Sewerage	Rate PWW (H)	Normal	All Units	434	430	426	320	Rate PWW(Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs All Units	424	419	414	320
										17.00 hrs-20.00 hrs All Units	594	587	580		
										23.00 hrs-06.00 hrs All Units	280	276	273		
13.	Sports Complex & Auditorium run by Govt./ local bodies for cultural affairs	Rate S (c)	Normal	All Units	464	454	444	50	Not Applicable						
14.	Cold storage or Dairy with Chilling Plant	Rate S (pi)	Normal	All Units	434	429	424	320	Rate S (pit)	Normal - TOD	06.00 hrs-17.00 hrs All Units	424	418	412	320
										17.00 hrs-23.00 hrs All Units	509	502	494		
										23.00 hrs-06.00 hrs All Units	360	355	350		
15.	Emergency Supply	Rate E (em)	Normal - TOD	06.00 hrs-17.00 hrs All Units	528	526	524	320	Not Applicable						
				17.00 hrs-23.00 hrs All Units	739	736	734								
				23.00 hrs-06.00 hrs All Units	349	348	346								
16.	Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs All Units	476	474	472	320	Not Applicable						
				17.00 hrs-20.00 hrs All Units	666	663	661								
				23.00 hrs-06.00 hrs All Units	440	438	436								



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

SI No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme						
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)
					P/kWh							P/kWh			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
17.	Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate S (co)	Normal	All Units	474	470	466	50	Rate S (cot)	Normal - TOD	06.00 hrs-17.00 hrs All Units	464	459	454	50
											17.00 hrs-23.00 hrs All Units	510	505	499	
											23.00 hrs-06.00 hrs All Units	475	469	464	
18.	Common Services of Industrial Estate	Rate - E (ict)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs All Units	427	424	421	320	Not Applicable						
				17.00 hrs-20.00 hrs All Units	512	594	589								
				23.00 hrs-06.00 hrs All Units	363	280	278								
19.	Traction	Rate T	Normal	All Units	420	418	415	320	Not Applicable						
20.	Short-term Supply	Rate S (ST)	Normal - TOD	06.00 hrs-17.00 hrs All Units	528	526	524	320	Not Applicable						
				17.00 hrs-23.00 hrs All Units	650	647	644								
				23.00 hrs-06.00 hrs All Units	307	305	303								
21.	Private Educational Institutions	Rate E (ei)	Normal	All Units	444	441	438	320	Rate E(ei)	Normal - TOD	06.00 hrs-17.00 hrs All Units	434	428	422	320
											17.00 hrs-23.00 hrs All Units	477	470	464	
											23.00 hrs-06.00 hrs All Units	444	438	432	



CHAPTER - 7 TARIFF ORDER

- 7.1 In chapter - 5, the Commission has determined for DVC the revenue recoverable through tariff during 2015 – 2016 and the average tariff for the consumers of DVC for 2015 – 2016 as well. The Commission now proceeds to determine the tariff schedule applicable to the consumers of DVC and also the associated conditions of tariff of DVC for 2015 – 2016. The Commission is passing other orders also as mentioned in subsequent paragraphs.
- 7.2 The tariff schedule as applicable to the consumers of DVC in the year 2015-16 is given at Annexure – 7A1 for LV and MV consumers and at Annexure – 7A2 for HV and EHV consumers. The said tariff structure has been designed in a manner to fulfill the objective of attaining average tariff of each class of consumers within 80% to 120% of the average cost of supply (473.99 paise / kWh as per paragraph 5.2 of this order) except for lifeline consumers. For lifeline consumers the tariff has been kept at least of about 50% of average cost of supply in line with the guidelines in paragraph 8.3(i) of National Tariff Policy.
- DVC, as stated in their application, has been undertaking LT supply for very insignificant quantum of electricity to meet their own colony consumption and also to meet the lighting load at Bokaro and Waria railway stations since inception at a nominal rate. Moreover, the Commission has already given direction to DVC to build up their LT infrastructure to give electric supply to all consumers under their area of supply in West Bengal. The Commission thus considers to specify the tariff schedule for low and medium voltage consumers.
- 7.3 The tariff has been fixed in such a way the percentage ratio of average tariff of consumers to average cost of supply in 2015 – 2016 tariff order has been slightly changed in comparison to those of 2014 – 2015.



7.4 Details of different tariff schemes of different classes of consumers and various associated terms and conditions are specified in various regulations and in Annexure C1 and Annexure C2 of the Tariff Regulations. Other associated conditions of the tariff for 2015-16 shall be as follows:

7.4.1 Load Factor Rebate / Surcharge:

7.4.1.1 In order to reduce the overall system T&D loss and to flatten the load curve by improving the existing system load factor of DVC, the HT industrial consumers shall receive voltage wise graded load factor rebate as per the following table:

LOAD FACTOR REBATE (Paise / kWh)

Range of Load Factor (LF)		Supply Voltage		
		Below 33 kV	33 kV	Above 33 kV
Above 65%	Up to 70%	1	2	3
Above 70%	Up to 75%	3	4	5
Above 75%	Up to 80%	5	6	7
Above 80%	Up to 85%	7	8	9
Above 85%	Up to 90%	10	12	14
Above 90%		13	16	19

7.4.1.2 The above load factor rebate shall be applicable on quantum of energy consumed in the billing period. (For example a 33 kV industrial consumer at 85% load factor shall be eligible for a rebate @ 8 paise / kWh on the total quantum of energy consumed in the billing period).

7.4.1.3 Load factor surcharge shall continue at the rate as per tariff order for 2014 – 2015.

7.4.1.4 The load factor rebate and load factor surcharge shall be computed in accordance with the formula and associated principles given in regulations 3.9.2, 3.9.3 and 3.9.4 of the Tariff Regulations and at the rates as mentioned in paragraphs 7.4.1.1 and 7.4.1.3 above.



7.4.2 Fixed / Demand Charge:

7.4.2.1 The fixed charge shall be applicable to different categories of consumers as per rate as shown in Annexure – 7A1 of this tariff order.

7.4.2.2 The demand charge shall be applicable to different categories of consumers as per rate as shown in Annexure – 7A1 and Annexure – 7A2 of this order on the basis of recorded demand as specified in regulation 4.3.3 of the Tariff Regulations.

7.4.2.3 When a new consumer gets connected to the system, the computation of fixed charge or demand charge for that month shall be made pro-rata for the number of days of supply in that particular month.

7.4.3 Subject to conditions as specified in regulation 4.13 of the Tariff Regulations, minimum charge shall continue at the existing level for all consumers.

7.4.4 In case of short term supply to Pandals for community religious ceremonies, a rebate of 30 paise / kWh on energy charge of each unit will be given prospectively from the date of this order if the entire illumination is done with LED.

7.4.5 For all consumers, excluding consumers having pre-paid meters, rebate shall be given @ 1% of the amount of the bill excluding meter rent, taxes, duties, levies and arrears (not being the arrears due to revision of tariff) if the payment is made within the due date.

7.4.6 In addition to the rebate under paragraphs 7.4.4 and 7.4.5 above, if the payment is made within due date, then an additional rebate of 1% of the amount of the bill excluding meter rent, taxes, duties, levies and arrears (not being arrears due to revision of tariff) would be allowed to the consumers who would pay their energy



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

bills through e-payment facility (through web by using net banking, debit card, credit card, electronic clearing scheme) as will be introduced by DVC. The prepaid consumers purchasing prepaid voucher through e-payment facility will get 1% rebate in voucher amount. A rebate of Rs. 5.00 will be admissible prospectively if any consumer opt for e-bill following regulation 3.1.10 of West Bengal Electricity Regulatory Commission (Electricity Supply Code) Regulations, 2013. These rebates are applicable after giving effect under paragraphs 7.4.4 and 7.4.5 of this order.

7.4.7 Power Factor Rebate / Surcharge:

7.4.7.1 The power factor rebate and surcharge shall be applicable for all categories of consumers at HV and EHV. The rate of rebate and surcharge and the methods of calculation of such rebate and surcharge are given below:

Power Factor (PF) Range in %	Power Factor Rebate & Surcharge on Energy Charge in Percentage							
	For Consumers under TOD Tariff						For Consumers under non-TOD Tariff	
	Normal Period		Peak Period		Off-peak Period		Rebate in %	Surcharge in %
	Rebate in %	Surcharge in %	Rebate in %	Surcharge in %	Rebate in %	Surcharge in %		
PF > 99%	8.00	0.00	9.00	0.00	7.00	0.00	5.00	0.00
PF > 98% & PF ≤ 99%	7.00	0.00	8.00	0.00	6.00	0.00	4.00	0.00
PF > 97% & PF ≤ 98%	5.00	0.00	6.00	0.00	4.00	0.00	3.00	0.00
PF > 96% & PF ≤ 97%	4.00	0.00	5.00	0.00	3.00	0.00	2.50	0.00
PF > 95% & PF ≤ 96%	3.00	0.00	4.00	0.00	2.00	0.00	2.00	0.00
PF > 94% & PF ≤ 95%	2.25	0.00	3.00	0.00	1.50	0.00	1.50	0.00
PF > 93% & PF ≤ 94%	1.50	0.00	2.00	0.00	1.00	0.00	1.00	0.00
PF > 92% & PF ≤ 93%	0.75	0.00	1.00	0.00	0.50	0.00	0.50	0.00
PF ≥ 86% & PF ≤ 92%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PF ≥ 85% & PF < 86%	0.00	0.75	0.00	1.00	0.00	0.50	0.00	0.50
PF ≥ 84% & PF < 85%	0.00	1.50	0.00	2.00	0.00	1.00	0.00	1.00
PF ≥ 83% & PF < 84%	0.00	2.25	0.00	3.00	0.00	1.50	0.00	1.50
PF ≥ 82% & PF < 83%	0.00	3.00	0.00	4.00	0.00	2.00	0.00	2.00
PF ≥ 81% & PF < 82%	0.00	4.00	0.00	5.00	0.00	3.00	0.00	2.50
PF ≥ 80% & PF < 81%	0.00	5.00	0.00	6.00	0.00	4.00	0.00	3.00
PF < 80%	0.00	6.00	0.00	7.00	0.00	5.00	0.00	3.50



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

7.4.7.2 The rebate and surcharge against different time periods shall be reflected in the bill separately and shall be treated separately.

7.4.7.3 The above rates of rebate and surcharge against different time period shall be applicable from the month of April, 2015.

7.4.8 For short term supply, emergency supply and for supply of construction power, there shall be no rebate or surcharge for load factor and power factor.

7.4.9 Delayed payment surcharge shall be applicable as per regulation 4.14 of the Tariff Regulations.

7.4.10 All existing charges relating to meter rent shall continue.

All existing charges relating to meter testing, meter replacement, disconnection and reconnection etc. shall continue upto the month of June, 2015.

All charges as newly determined relating to meter testing, meter replacement, fuse call charges, disconnection and reconnection etc. shall become effective from 01.07.2015.

i) **Meter Testing Charge:**

Testing charge of a meter to be tested at the request of the consumer if the meter is the property of DVC		
Sl.	Particulars	Rate in Rs./meter
a)	LT Single Phase Meter	110.00
b)	LT Three Phase meter for L&MV consumers	330.00
c)	HT TOD meter / HT Static meter	1200.00

ii) **Disconnection Charge:**

Sl.	Particulars	Rate in Rs. for each case of disconnection
a)	For L&MV Consumers	40.00
b)	For HV and EHV consumers	400.00



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

iii) Re-connection Charge:

Sl.	Particulars	Rate in Rs. for each case of reconnection
a)	For L&MV Consumers	60.00
b)	For HV and EHV consumers	800.00

iv) Fuse Call Charge:

Sl.	Particulars	Rate in Rs./Call
a)	For L&MV Consumers	20.00
b)	For HV and EHV consumers	400.00

7.4.11 A consumer opting for pre-paid meter shall not be required to make any security deposit for the energy charge.

7.4.12 All statutory levies like electricity duty or any other taxes, duties etc. imposed by the State Govt. / Central Govt. or any other competent authority shall be extra and shall not be a part of the tariff determined under this tariff order.

7.4.13 All the rates and conditions of tariff are effective from 1st April 2015 and onwards. This rate will continue till further order of the Commission. Adjustments, if any, for over recovery / under recovery for 2015 – 2016 from the energy recipient till May, 2015 shall be made in 10 (ten) equal monthly instalments through energy bills for July, 2015 onwards.

7.4.14 The rates mentioned in Annexure 7A1 and 7A2 exclude the Monthly Variable Cost Adjustment (MVCA) or Adhoc FPPCA / or FCA, if any, as realized / to be realized by DVC. Against such rate while adjustment will be done as per paragraph 7.4.13, then the MVCA realized, if any, against the consumption within the period 1st April, 2015 to till the date of implementation of this order shall also be considered as realization against above mentioned tariff rates of 2015 – 2016



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

as shown in Annexure 7A1 and 7A2 and accordingly adjustment is to be done as mentioned in paragraph 7.4.13.

7.4.15 In addition to the tariff determined under this tariff order, DVC will be further entitled to additional sums towards enhanced cost of fuel and power purchase, if any, after the date from which this tariff order takes effect. Thus DVC shall compute the energy charge rate for their own generating stations as per formula given in CERC Tariff Regulations for any change in fuel price after the date of effect of this order and shall adjust the same in the adjustment to be made as per paragraph 7.4.13 above. DVC shall also realize MVCA for change in power purchase cost for any subsequent period after issuing of this order as per provisions of the Tariff Regulations based on the tariff of this order. The generation cost for own generating stations and power purchase cost shall be subject to adjustment in accordance with the Tariff Regulations. While computing MVCA the direction given in Chapter – 8 of this order shall be complied with.

7.4.16 Any variation in fixed charges for the generating units of DVC, both existing and new units and fixed cost for transmission and distribution systems of DVC, cost of which have not yet been determined by CERC for the period 2014 – 2019 shall be adjusted in future tariff as per provisions of the Tariff Regulations of the Commission after determination of the same by CERC. Any variation in power purchase cost shall be adjusted in MVCA.

DVC shall compute the MVCA as per formula stipulated in paragraph A of Schedule – 7B to the Tariff Regulations. While applying the formula of MVCA the component of adjustment Δ_{Adj} shall be duly applied by finding out the deviation in recovery of variable cost from sale side computation for the period concerned in pursuance to note (a) under paragraph A of the Schedule – 7B of the Tariff Regulations.



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

7.4.17. Optional TOD tariff scheme for LT Commercial, LT Industrial and LT Public Water Works categories of consumers having minimum load of 30 KVA shall be introduced prospectively by DVC and energy charge under such scheme shall be computed according to regulation 4.12 of the Tariff Regulations, wherever applicable, if no tariff rates for such consumers are mentioned in the tariff schedule.

7.4.18. For any pre-paid and TOD tariff scheme, other charges shall be the charges applicable to consumers under respective category of non-TOD tariff.

7.4.19. An applicant for short term supplies through pre-paid meter shall have to comply with all necessary formalities for obtaining supply including payment in accordance with the Regulations made by the Commission. The same will be subject to the following conditions:

- i. Provision of requisite meter security deposit, to be kept with the licensee;
- ii. Provision of space for installing weather-proof, safe and secure terminal services apparatus to protect sophisticated meter; and
- iii. Availability of prepaid-meter of appropriate capacity

7.4.20. To avail Rate - D(1) for street lighting the supply should be metered and all the street lights under the same meter shall be illuminated with LED. For mixed type of street lights under one meter Rate – D(6) shall be applicable.

7.4.21. For a pre-paid consumer who has purchased voucher prior to issue of this order, the existing tariff will continue till such voucher is exhausted.

7.4.22. The existing time strata for TOD meter shall continue maximum upto the month of July, 2015. The time strata as per Tariff Regulations shall be effective



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

positively from 01.08.2015. DVC shall take action regarding change in the time strata of the TOD meter, if required, as per Tariff Regulations before 01.08.2015.

7.4.23. Any matter, which has not been explicitly mentioned in this order, shall be guided by regulations 2.9.8 and 2.9.9 of the Tariff Regulations.

7.5 The tariffs determined under this order for different categories of consumers are the maximum ceilings for supply of electricity at any agreed price to the consumers of DVC only for those areas of supply of DVC in West Bengal where multiple licensees exist. However, in this case if supply is provided to a consumer at a price lesser than the upper ceiling, and as a result the licensee incurs loss, such loss shall not be allowed to be passed on to any other consumers or any other distribution licensees under purview of the Commission.

7.6 The Commission has given some directions to DVC on different issues in Chapter – 8 of this order.

7.7 It is open to the State Government to grant any subsidy to any consumer or any class of consumers in the tariff determined by the Commission for DVC. If at all any such subsidy under the provisions of the Act is intimated to DVC and to the Commission by the Government of West Bengal with clear indication of the consumer or class of consumers to be subsidized and the amount of the subsidy proposed to be given is paid in advance, the tariff of such consumer and / or the class of consumers shall be deemed to have been reduced accordingly as has been indicated by the State Government. However, such direction of the State Government shall not be operative till the payment is made by the State Government in accordance with the provisions of the Act and the Regulations made thereunder, and the tariff as fixed by the Commission shall remain applicable. In accordance with the Tariff Regulations, the State Government is



Tariff Order of DVC for the years 2014 – 2015 and 2015 – 2016

- required to communicate within 15 days from the date of receipt of a tariff order, whether it shall give any subsidy to any group of consumers etc.
- 7.8 DVC shall present to the Commission a gist of this order showing salient features of tariff / tariffs within three working days from the date of receipt of this order for approval of the Commission and on receipt of the approval shall publish the approved gist in terms of regulation 2.9.6 of the Tariff Regulations within four working days from the date of receipt of the approval of the Commission.



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme													
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II								
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon				
1.	Lifeline (Domestic)	D (LL)	Normal	All Units	238	5	Not Applicable					Not Applicable								
2.	Domestic	D(L)	Normal	All Units	475	10	D(Lpp)	Prepaid	All Units	465	10	Not Applicable								
3.	Commercial	C(L)(ia)	Normal	All Units	475	20	C(Lt)(ia)	Normal TOD	06.00 hrs to 17.00 hrs	All units	465	20	C(Ltp)(ia)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	460	20		
									17.00 hrs to 23.00 hrs.	All units	511						17.00 hrs to 23.00 hrs.		All units	506
									23.00 hrs to 06.00 hrs	All units	390						23.00 hrs to 06.00 hrs		All units	392



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme								
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II			
				Consumer category	Name of the Tariff Scheme			Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
4.	Irrigation	Rate C(at)	Normal TOD	06.00 hrs to 17.00 hrs	All units	400	20	Rate C(atpp)	Pre-Paid TOD	06.00 hrs to 17.00 hrs	All units	390	20	Not Applicable.		
				17.00 hrs to 23.00 hrs.	All units	772				17.00 hrs to 23.00 hrs.	All units	752				
				23.00 hrs to 06.00 hrs	All units	260				23.00 hrs to 06.00 hrs	All units	253				
5.	Commercial Plantation	Rate A(Cm-Ptpp)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	475	40	Not Applicable					Not Applicable.			
				17.00 hrs to 23.00 hrs.	All units	701										
				23.00 hrs to 06.00 hrs	All units	285										



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme							
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II			
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH
6.	Short Term Irrigation Supply	Rate C (stppt)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	444	20	Not Applicable				Not Applicable			
				17.00 hrs to 23.00 hrs.	All units	856									
				23.00 hrs to 06.00 hrs	All units	287									
7.	Short Term supply for Commercial Plantation	Rate A (Cm- StPtp)	Pre-paid TOD	06.00 hrs to 17.00 hrs	All units	485	40	Not Applicable				Not Applicable			
				17.00 hrs to 23.00 hrs.	All units	936									
				23.00 hrs to 06.00 hrs	All units	315									



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme												
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II						
				Consumer category	Name of the Tariff Scheme			Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon				
8.	Short-term Supply	Rate STLT	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	485	40	Not Applicable					Not Applicable						
				17.00 hrs to 23.00 hrs.	All units	533													
				23.00 hrs to 06.00 hrs	All units	451													
9.	Government School, Government aided School or Government Sponsored School	Rate GS(L)	Normal	On all Units		450	20	Rate GS(L)T	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	440	20	Not Applicable					
				17.00 hrs to 20.00 hrs.	All units	484													
				23.00 hrs to 06.00 hrs	All units	427													
10.	Public utility/ Specified Institution/ Public Bodies Municipal or Non-Municipal	Rate PU(LT)	Normal	On all Units		470	20	Rate PUpp (LT)	Prepaid	On all Units		460	20	Rate PUppt (LT)	Prepaid TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	450	20
				17.00 hrs to 20.00 hrs.	All units	495													
				23.00 hrs to 06.00 hrs	All units	419													



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme									
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II				
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh
11.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power	Rate C(L)(ii)	Normal	All Units	464	20	Rate Cppt (L) (ii)	Prepaid - TOD	06.00 hrs - 17.00 hrs	All Units	454	20	Not Applicable			
									17.00 hrs to 23.00 hrs	All Units	499					
									23.00 hrs to 06.00 hrs	All Units	422					
12.	Poultry, Duckery, Horticulture, Tissue culture, Floriculture, Herbal - Medicinal - Bio-diesel Plant Farming, Food Processing Unit	Rate C(L)(ii)	Normal	All Units	474	20	Rate Cppt (L) (iii)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	464	20	Not Applicable			
									17.00 hrs to 23.00 hrs	All Units	510					
									23.00 hrs to 06.00 hrs	All Units	432					



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme									
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II				
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
13.	Public Water Works & Sewerage System	Rate B (II)	Normal	On all Units	464	40	Rate B (II) ppt	Prepaid - TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs to 23.00 hrs	All Units	454	40	Not Applicable.			
									17.00 hrs to 20.00 hrs.	All Units	635					
									23.00 hrs to 06.00 hrs	All Units	298					
14.	Industry	Rate I(L)	Normal	All Units	474	40	Rate I(L)	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	464	40	Not Applicable			
									17.00 hrs to 23.00 hrs	All Units	650					
									23.00 hrs to 06.00 hrs	All Units	306					
15.	Street Lighting	Rate D(1)	Normal	On all Units	454	40	Not Applicable					Not Applicable				
16.	Street Lighting with LED	Rate D(6)	Normal	On all Units	414	40	Not Applicable					Not Applicable				



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II				
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh
17.	Private Educational Institutions and Hospitals	Rate S (L)	Normal	On all Units		474	40	Rate St (L)	Normal TOD	06.00 hrs to 17.00 hrs	All Units	464	40	Not Applicable			
										17.00 hrs to 23.00 hrs	All Units	510					
										23.00 hrs to 06.00 hrs	All Units	431					
18.	Emergency Supply	Rate D (2)	Prepaid-TOD	06.00 hrs to 17.00 hrs	On all Units	524	40	Not Applicable					Not Applicable				
				17.00 hrs to 23.00 hrs	On all Units	733											
				23.00 hrs to 06.00 hrs	On all Units	346											



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme								
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II				
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh
19.	Construction Power Supply	Rate D (3)	Prepaid-TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	474	40	Not Applicable				Not Applicable.				
				17.00 hrs to 20.00 hrs.	On all Units	663										
				23.00 hrs to 06.00 hrs	On all Units	313										
20.	Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate D(4)	Normal	All units	464	20	Rate D(4)t	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	454	20	Not Applicable			
									17.00 hrs to 23.00 hrs	All Units	499					
									23.00 hrs to 06.00 hrs	All Units	422					



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme							
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II			
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH
21.	Common Services of Industrial Estate	Rate D(5)	Prepaid - TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	464	40	Not Applicable				Not Applicable			
				17.00 hrs to 20.00 hrs.	On all Units	650									
				23.00 hrs to 06.00 hrs	On all Units	306									

Note :- * Fixed Charge will be applicable for the Consumer having Contract Demand below 50 KVA and Demand Charge will be applicable for the consumer having Contract Demand of 50 KVA and above.



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

SI No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme							
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	
					P/kWh							P/kWh				
					Summer	Monsoon	Winter					Summer	Monsoon	Winter		
1.	Public Utility	Rate PU (H)	Normal	All Units	434	431	428	320	Rate PU (Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	424	422	420	320
											17.00 hrs-20.00 hrs	All Units	509	506	504	
											23.00 hrs-06.00 hrs	All Units	360	359	357	
2.	Industries (11 KV)	Rate I-1 (H)	Normal	All Units	440	438	436	320	Rate I (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	430	428	426	320
											17.00 hrs-23.00 hrs	All Units	516	514	511	
											23.00 hrs-06.00 hrs	All Units	366	364	362	
3.	Industries (33 KV)	Rate I-2 (H)	Normal	All Units	428	426	424	320	Rate I-2 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	420	418	416	320.
											17.00 hrs-23.00 hrs	All Units	504	502	499	
											23.00 hrs-06.00 hrs	All Units	357	355	354	
4.	Industries (132 KV)	Rate I-3 (H)	Normal	All Units	416	414	412	320	Rate I-3 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	408	406	404	320.
											17.00 hrs-23.00 hrs	All Units	490	487	485	
											23.00 hrs-06.00 hrs	All Units	347	345	343	
5.	Industries (220 KV and above)	Rate I-4 (H)	Normal	All Units	402	400	398	320	Rate I-4 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	394	392	390	320.
											17.00 hrs-23.00 hrs	All Units	473	470	468	
											23.00 hrs-06.00 hrs	All Units	335	333	332	



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

SI No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme								
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/month)
						P/kWh								P/kWh			
						Summer	Monsoon	Winter						Summer	Monsoon	Winter	
6.	Community Irrigation/ Irrigation	Rate AI (H)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	429	425	421	50	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	857	849	841									
				23.00 hrs-06.00 hrs	All Units	258	256	253									
7.	Commercial Plantation	Rate S (cp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	454	451	449	320	Not Applicable.							
				17.00 hrs-23.00 hrs	All Units	635	631	628									
				23.00 hrs-06.00 hrs	All Units	299	297	296									
8.	Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	444	439	434	50	Not Applicable.							
				17.00 hrs-23.00 hrs	All Units	614	604	594									
				23.00 hrs-06.00 hrs	All Units	267	264	261									
9.	Short Term Supply for Commercial Plantation	Rate S(stcp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	464	462	460	320	Not Applicable.							
				17.00 hrs-23.00 hrs	All Units	649	647	644									
				23.00 hrs-06.00 hrs	All Units	279	277	276									
10.	Commercial	Rate C (H)	Normal	All Units		444	441	438	320	Rate C (Ht)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	434	429	424	320
												17.00 hrs-23.00 hrs	All Units	521	515	509	
												23.00 hrs-06.00 hrs	All Units	369	365	360	
11.	Domestic	Rate D (H)	Normal	All Units		464	461	458	50	Rate D (Ht)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	454	448	442	50
												17.00 hrs-23.00 hrs	All Units	499	493	486	
												23.00 hrs-06.00 hrs	All Units	422	417	411	



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

SI No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme						
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)
					P/kWh							P/kWh			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
12.	Public Water Works & Sewerage	Rate PWW (H)	Normal	All Units	434	430	426	320	Rate PWW(Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs All Units	424	419	414	320
										17.00 hrs-20.00 hrs All Units	594	587	580		
										23.00 hrs-06.00 hrs All Units	280	276	273		
13.	Sports Complex & Auditorium run by Govt./ local bodies for cultural affairs	Rate S (c)	Normal	All Units	464	454	444	50	Not Applicable						
14.	Cold storage or Dairy with Chilling Plant	Rate S (pi)	Normal	All Units	434	429	424	320	Rate S (pit)	Normal - TOD	06.00 hrs-17.00 hrs All Units	424	418	412	320
										17.00 hrs-23.00 hrs All Units	509	502	494		
										23.00 hrs-06.00 hrs All Units	360	355	350		
15.	Emergency Supply	Rate E (em)	Normal - TOD	06.00 hrs-17.00 hrs All Units	528	526	524	320	Not Applicable						
				17.00 hrs-23.00 hrs All Units	739	736	734								
				23.00 hrs-06.00 hrs All Units	349	348	346								
16.	Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs All Units	476	474	472	320	Not Applicable						
				17.00 hrs-20.00 hrs All Units	666	663	661								
				23.00 hrs-06.00 hrs All Units	440	438	436								



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

SI No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme						
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)
					P/kWh							P/kWh			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
17.	Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate S (co)	Normal	All Units	474	470	466	50	Rate S (cot)	Normal - TOD	06.00 hrs-17.00 hrs All Units	464	459	454	50
											17.00 hrs-23.00 hrs All Units	510	505	499	
											23.00 hrs-06.00 hrs All Units	475	469	464	
18.	Common Services of Industrial Estate	Rate - E (ict)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs All Units	427	424	421	320	Not Applicable						
				17.00 hrs-20.00 hrs All Units	512	594	589								
				23.00 hrs-06.00 hrs All Units	363	280	278								
19.	Traction	Rate T	Normal	All Units	417	415	412	320	Not Applicable						
20.	Short-term Supply	Rate S (ST)	Normal - TOD	06.00 hrs-17.00 hrs All Units	528	526	524	320	Not Applicable						
				17.00 hrs-23.00 hrs All Units	650	647	644								
				23.00 hrs-06.00 hrs All Units	307	305	303								
21.	Private Educational Institutions	Rate E (ei)	Normal	All Units	444	441	438	320	Rate E(ei)	Normal - TOD	06.00 hrs-17.00 hrs All Units	434	428	422	320
											17.00 hrs-23.00 hrs All Units	477	470	464	
											23.00 hrs-06.00 hrs All Units	444	438	432	



CHAPTER – 8 DIRECTIVES

8.1 DVC shall note that as already MVCA has been introduced the amount that may be claimed in FPPCA at the end of any year is not expected to be higher than the summated value of following factors:

- i) impact due to rounding off as per note (f) under the sub-paragraph (e) of paragraph (A) of Schedule - 7B of the Tariff Regulations against the applicable MVCA for the month of February and March of that year,
- ii) impact due to non-recovery of any additional fuel cost of March of any year over and above what is recovered on the basis of MVCA as calculated from data of February due to the fact that MVCA calculated on the basis of data of March is become applicable for next financial year only, and
- iii) impact due to application of disallowance of cost as per FPPCA formula at FPPCA determination stage.

Thus in such case if recoverable amount under FPPCA of any year is found to be higher than the above referred summated value, then such excess amount will be dealt as per direction already issued by the Commission vide its order in case no. SM-10/14-15 dated 18.07.2014. In this context it is also to be noted that such excess amount represent the amount that would have been collected through MVCA and thus not raising of such bill may result into distorted merit order dispatch in the system. In fact, by virtue of this type of practice there is high possibility of vitiating the environment of merit order dispatch in the whole supply chain in West Bengal power sector and thereby affecting the economic load dispatch in the systems. As a result ultimate sufferer will be the retail consumers of West Bengal. In view of the above discussions, no carrying cost will be allowed by the Commission in case of creation of such excess amount as



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regulatory asset through FPPCA. Whenever such excess amount is released in number of installments then also it will not be entitled to any carrying cost. However, this direction shall not be construed as an approval of such delayed claim of excess fuel cost through FPPCA instead of MVCA and such matter will be dealt as per direction already issued by the Commission vide its order in case no. SM-10/14-15 dated 18.07.2014.

8.2 While declaring MVCA for any month henceforth DVC shall follow the following directions:

- a) Irrespective of change in MVCA in any month from the previous month, the detailed calculation sheet of MVCA prepared for the purpose of determination of MVCA for that month as per regulation 5.8.9 of the Tariff Regulations shall be submitted to the Commission within seven days of notification of the MVCA or in case of no notification within thirty days after the end of the month under consideration for MVCA. Such calculation sheet shall also specifically mention the received fuel bill which has not been considered or partly considered in the said MVCA in pursuance to note (g) under subparagraph (e) of paragraph A of Schedule – 7B of the Tariff Regulations. DVC shall also upload such calculation sheet in their web-site for each month and shall maintain the same in the website till publication of the worksheet for the next month.
- b) DVC will publish the notification of change of MVCA in terms of 4th paragraph of regulation 5.8.9 of Tariff Regulations in such daily newspapers which are widely circulated in West Bengal. Any deviation in this regard will be seriously viewed.



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- 8.3 While submitting the Fuel and Power Purchase Cost Adjustment (FPPCA) application for any year DVC shall give a list of fuel bill or power purchase bill which has not been claimed under MVCA calculation along with the provisions of the Tariff Regulations under which such claim has not been done. A further reconciliation statement shall be given to establish that DVC has followed the direction of paragraphs 8.1 and. 8.2 above effectively.

In case of non submission of the above documents/ information the application of APR will not be admitted.

- 8.4 While computing the renewable and cogeneration purchase obligations, the energy generated from Solar roof-top photovoltaic power plants shall be considered by any distribution licensee both on consumption side and as input energy from renewable sources towards fulfillment of renewable and cogeneration purchase obligations in terms of the Electricity Act, 2003 and the relevant Regulations. The licensee is required to furnish suitable details in this respect.
- 8.5 In the notes of Financial statement of Annual Accounts of 2014-15 and onward or through Auditor's Certificate, the following information is to be provided by DVC in APR for 2014 – 2015 and onwards in a manner as described below:
- a) All the expenditure or cost element considered under tariff applications are to be provided separately for distribution function and generation function for the regulatory requirement.
 - b) The penalty, fine and compensation under Electricity Act 2003 shall also be shown separately for distribution function and generation function.



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- c) Any fine, penalty or compensation in any other statute other than Electricity Act 2003 shall be mentioned separately for distribution function and generation function respectively along with the reference of the statute.

- d) The figure of AT & C loss for the years concerned in line with the computation methodology as specified in Form 1.8 of the Tariff Regulations is to be provided. Beside that AT&C loss calculated with arrear recovery done for the period prior to the year for which the account is prepared shall also be shown separately.

- e) In the notes of the past Annual Accounts, Repair & Maintenance is shown in three separate heads of distribution & metering, generation and other heads. In future from Annual Accounts of 2014-15 and onward this 'other heads' to be specified in terms of specific activities.

- f) DVC shall have to submit the followings through affidavit:
 - i) That no expenditure has been claimed by DVC through the APR petition on employee or infrastructure or any other support or O&M activity pertaining to any other business of DVC not in relation to their licensed business.

 - ii) The list of cases related to Tariff and Annual Performance Review (APR) filed or applied for filing in Court of Law but the notices have not yet been served to the Commission

In case of non submission of the above documents/ information the application of APR will not be admitted.



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- 8.6 In case of expenditure at a level higher than the admitted amount under any uncontrollable factor in this tariff order on account of fixed charges, while submitting APR application of any ensuing year DVC has to justify such higher expenditure in detail with supporting document and evidence on the basis of which the Commission will take its decision during truing up exercise and it may be noted that without sufficient justification the excess expenditure may not be admitted in the APR fully or partly. Similarly for controllable factors, wherever applicable as per Tariff Regulations, for the same reasons supporting documents and evidence are to be submitted to justify their claim. While truing up any uncontrollable factor on account of fixed charges, the actual business volume parameter (distribution line length or consumer strength) and actual inflation rate to which such uncontrollable item is sensitive will be considered in the same manner and principle as determined under this tariff order subject to the limitation as per the Tariff Regulations. However, wherever applicable as per this tariff order the ratio of expenses increase in percentage (%) of any item and the sensitivity parameter increase will remain the same as that of this tariff order. This is applicable for APR of every year.
- 8.7 While submitting application for APR of 2014-15 and onwards by any licensee, if such application shows any net claim for that year after considering the concerned FPPCA, then in such case the licensee shall suggest in specific terms the ensuing year(s) in which they intend to recover such claim and by what amount. The Licensee shall also show the consequential impact of such recovery in the expected average cost of supply in those ensuing years after considering the total revenue recoverable through the tariff. The total revenue recoverable through the tariff means the summated amount of the Net Aggregate Revenue Requirement plus all other amount on account of FPPCA/FCA and APR of its own as applicable. They shall also mention the carrying cost, if necessary, where it is applicable in terms of the Tariff Regulations and different orders and direction



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of the Commission in this respect. This consequential impact on tariff shall also be provided in the gist of the APR application.

In case of non submission of the above information the application of APR will not be admitted.

- 8.8 In order to control retail tariff of the consumers of DVC, DVC is to consider for arranging purchase of power from different source(s) (including from exchanges) other than the existing sources having supply pattern and cost involvement/economics more favourable for consumers of DVC. Also, DVC shall reduce its dependency on costlier thermal sources in order to contain the rise in retail price of the consumers in future in a better way.
- 8.9 Commission hereby directs that for interruption benefit calculation for HV & EHV consumer henceforth DVC shall calculate such benefit on the basis of interruption recorded in the outgoing feeder meter at the sub-station end. However, in case of non-supply of electricity due to outages arising out of any problem at the down-stream of the substation such outage as available from non-supply of power recorded in the MRI records of the consumer meter shall also be considered subject to condition that such outage is reported to the DVC and shall be counted for the period from time of reporting and restoration of the outage by DVC.
- 8.10 The Commission is statutorily duty bound to promote generation of electricity from following sources of energy:
- i) Co-generation of electricity from renewable sources.
 - ii) Co-generation of electricity from fossil fuel sources.



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- iii) Co-generation of electricity from hybrid sources of fossil fuel / conventional sources and renewable sources.
- iv) Electricity generation from renewable sources.

In order to promote above mentioned type of generation of electricity by applying regulations 8.3 and 8.4 of the Tariff Regulations and regulations 19.1 and 19.2 of the West Bengal Electricity Regulatory Commission (Cogeneration and Generation of Electricity from Renewable Sources of Energy) Regulations, 2013, the Commission decides that from the APR of the ensuing year 2016 – 2017 a deduction of 5% from Return on Equity will be done if DVC fails to comply with the Renewable Purchase Obligation as per West Bengal Electricity Regulatory Commission (Cogeneration and Generation of Electricity from Renewable Sources of Energy) Regulations, 2013 or any of its subsequent amendment. In this context, the Commission also directs that henceforth DVC shall advertise on important national media inviting the interested parties of supplying renewable and cogeneration electricity on every four months for next two years instead of one time in a year in pursuance to the regulation 3.5 of the said Regulations.

- 8.11 Henceforth, any application for Power Purchase Agreement (PPA) except for short term PPA meaning PPA for a period not exceeding one year, submitted by any licensee to the Commission for approval of the PPA shall go through the process of inviting suggestions and objections from all stakeholders through at least three widely circulated newspaper publication for consideration of the Commission of all such suggestions and objections as a process of the approval procedure and subsequent to such approval only, the PPA can be executed by the licensee and the seller of the power. For this purpose, while submitting the said PPA the licensee shall also give a draft gist for newspaper publication for approval of the Commission. On getting approval of the Commission such gist



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shall be published in the newspapers within 5 working days. Such gist shall also be posted in the website along with the application and PPA from the date of gist publication to at least the last date of submission of suggestions and objections as will be mentioned in the gist. The gist shall cover the name of seller of the power, type of specific source (such as coal, gas, hydro, solar, etc.), major important parameters that are required under the Tariff Regulations for such purchase and the important points of the purpose of such procurement. The application submitted shall have the above points of the gist along with detailed justification of such proposed procurement along with all the information and parameters that are required under the Tariff Regulations or Regulations of the Commission related to renewable and cogeneration sources of energy. The application shall also clearly spell that how the interest of the consumer as well as of the licensee has been safeguarded in the PPA. The application without such gist and the points as mentioned shall not be admitted. This process is done in order to meet the end of justice after keeping consistency with the Electricity Act, 2003.

- 8.12 All the distribution licensees and generating companies shall follow regulation 5.6.5.1 of the Tariff Regulations in its true spirit. It has been mentioned there that where Monthly Fuel Cost Adjustment (MFCA) or Monthly Variable Cost Adjustment (MVCA) exists, in that case for interest on working capital requirement on normative basis shall be 10% instead of 18% on the base amount. In this context it may be noted by all stakeholders that any distribution licensee or generating company on which collection of MFCA and MVCA, as the case may be, is applicable as per Tariff Regulations shall not be entitled to claim interest on normative basis of 18% even on the plea of not claiming MFCA or MVCA throughout any financial year.



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- 8.13 DVC is directed to furnish a report regarding their readiness to supply all consumers under their area of supply within 15 days from the date of this order failing which the Commission shall take appropriate action as per provisions of the Act and Regulations framed thereunder.
- 8.14 DVC shall come up with their investment proposal, as per provision of the Tariff Regulations, if any, required to build up infrastructure to give electric supply to all consumers including low and medium voltage consumers under their area of supply.

**Sd/-
SUJIT DASGUPTA
MEMBER**

DATE: 25.05.2015