



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

IN CASE NO: APR – 53 / 15 – 16

**IN RESPONSE TO THE APPLICATION OF
DAMODAR VALLEY CORPORATION FOR ANNUAL
PERFORMANCE REVIEW FOR THE FINANCIAL
YEARS FROM 2009 – 2010 TO 2013 – 14**

**SRI SUTIRTHA BHATTACHARYA, CHAIRPERSON
SRI DURGADAS GOSWAMI, MEMBER
SRI PULAK KUMAR TEWARI, MEMBER**

DATE: 31.05.2021



Certified true Copy



CHAPTER – 1 INTRODUCTION

- 1.1 In terms of the provisions contained in regulation 2.6 of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011, as amended (hereinafter referred to as the 'Tariff Regulations'), the generating companies or the licensees, as the case may be, are subject to an Annual Performance Review (in short 'APR'). APR aims at carrying out adjustments arising out of difference between the actual performances and approved projection of ARR as given in the tariff order. Such adjustments are now to be done in the manner as specified in the Tariff Regulations. Damodar Valley Corporation (in short 'DVC') submitted their application of APR for the years from 2009 – 2010 to 2013 – 2014 on 30th November, 2015. A copy of its annual report and audited annual accounts and the adjustment in generation and power purchase cost for the years 2009 – 2010 to 2013 – 2014 was also submitted by DVC along with the application. DVC, however, subsequently submitted additional information / data as was sought for by the Commission from time to time in the specified proforma. The APR application along with the additional information / data submitted by DVC subsequently was admitted by the Commission for processing and the same was numbered as APR-53/15-16.
- 1.2 In the meantime, being aggrieved by the tariff order dated 24.08.2015 in case no. TP-62/14-15 passed by the Commission in respect of DVC on the alleged grounds of not approving a retail tariff for the period 2009 – 2010 to 2012 – 2013, some consumers of DVC filed a writ petition being no. WP 10469 (W) of 2017 before the Hon'ble High Court at Calcutta. The Hon'ble High Court at Calcutta passed an order dated 12.06.2019 on the said writ petition, which is reproduced below:

Quote:

- a) The Damodar Valley Corporation and the concerned respondents shall furnish

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

all information in terms of Annexure – 2 of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 being regulation 2.7.2 in the statutory form at pages 249 to 264 of the Tariff Regulation. This shall be furnished in respect of the year 2009 – 2010, 2010 – 2011, 2011 – 2012 and 2012 – 2013.

- b) The Damodar Valley Corporation and its authorities shall provide all information in terms of statutory form in Annexure 3 of regulation 2.7.2 of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 at pages 265-275 of the Tariff Regulations. The information thus submitted has to match and has to be consistent with the calculation made by the Damodar Valley Corporation in the already determined Annual Revenue Requirement for the respective years.
- c) On the receipt of the information as above the State Electricity Commission will determine category wise tariff after considering the said information provided in the statutory form.

Needless to mention whatever amounts are paid by the petitioners in the interim shall be without prejudice to the rights and contentions of the parties and on the basis of the detailed tariff order if any discount and incentive is available to the petitioners that shall be paid back by the Damodar Valley Corporation or adjusted with the future bills without requiring any further order of this Court. Such refund or credit shall be given within 7 days from the date of communication of the detailed order.

Unquote:

- 1.3 In terms of the above order dated 12.06.2019 passed by The Hon'ble High Court at Calcutta, DVC on 12.07.2019 submitted an application dated 11.07.2019 for determination of tariff in respect of distribution and retail supply of electricity by DVC as a distribution licensee for the period from 2009 – 2010 to 2012 – 2013

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

within its area of operation in the State of West Bengal in terms of provisions of the Tariff Regulations.

- 1.4 DVC submitted further information on 6th August, 2019 in addition to their submission in their tariff application dated 12.07.2019.
- 1.5 The Commission in accordance with Sections 61, 62 and 64 of the Electricity Act, 2003 and provisions of the Tariff Regulations issued order dated 19.03.2020 in case no. TP-83/19-20 which relates to tariff petition filed by the Petitioner before the Commission for determination of retail tariff for FY 2009-10 to 2012-13 for supply in Damodar Valley area falling within the territorial jurisdiction of the State of West Bengal based on the already determined ARR (vide order dated 24.08.2015 in case no. TP-62/14-15 for the years 2009-2010 to 2013-2014) for the respective years in terms of the judgment & order dated 12.06.2019 passed by The Hon'ble High Court, Calcutta in W.P. No.10469 (W) of 2017.
- 1.6 Based on the above, DVC has now submitted application on 06.08.2020 afresh for Annual Performance Review covering the entire periods from 2009 -2010 to 2013 – 2014 in supersession of their APR application dated 30th November, 2015. DVC has also submitted further data/documents/information vide their letter dated 28.12.2020 in terms of para 71 of their APR application dated 06.08.2020 with a prayer to admit the same. The fresh APR application dated 06.08.2020 along with the additional information / data submitted by DVC subsequently is admitted by the Commission for processing and the number of the same remained APR-53/15-16.
- 1.7 The instant application of DVC is their first application for the APR for the years 2009 - 2010 to the year of 2013 – 2014. The adjustments, as may arise out of the review of the instant application for the year 2009 – 2010 to 2013 – 2014 will be considered for giving effect while determining the amount of revenue recoverable through tariff order of any ensuing year or through separate order as specified in regulation 2.6.6 of the Tariff Regulations.

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

- 1.8 DVC has submitted their application for Annual Performance Review for the year 2009 – 2010 to 2013 – 2014 in terms of the provisions contained in the Tariff Regulations. The instant application needs to be dealt with as per provisions of the Tariff Regulations.
- 1.9 The Commission has taken careful note of the representations made by DVC. The relevant issues will be addressed and views will be taken accordingly while examining the admissibility of expenses under different heads of accounts. The APR is to cover the annual fixed charges allowed to the licensee, incentives and the effect of gain sharing as per Schedule – 10 and Schedule – 9B to the Tariff Regulations. The analyses of the Commission and taking views thereon will be with reference to the audited data. The instant application of DVC for the years 2009 – 2010 to 2013 – 2014 is being viewed in the subsequent parts of this order.
- 1.10 In terms of regulation 2.6.12 of the Tariff Regulations, the gist of the application of APR of DVC for the years 2009 – 2010 to 2013 – 2014 was published simultaneously in 'Ananda Bazar Patrika', 'Bartaman', 'The Times of India' and 'The Telegraph' on 24th December, 2020. The application of APR for the years 2009 – 2010 to 2013 – 2014 was also posted in the website of DVC. The publication invited the attention of all interested parties, stakeholders and the members of the public to the application for APR for the years 2009 – 2010 to 2013 – 2014 of DVC and requested for submission of suggestions and objections, if any, on the application to the Commission. The last date of submission of suggestions and objections was 13th January, 2021. Opportunities were also afforded to all to inspect the application and take copies thereof.
- 1.11 Upon publication of the gist, Damodar Valley Power Consumers' Association (DVPCA) and Maithon Alloys Limited sought for extension of time for filing objections / suggestions at least up to 8th February, 2021 considering the fact that the application is voluminous and the time is too short to file objections / suggestions within the due date i.e., 13th January, 2021. Accordingly, the





Order on APR of DVC for the year 2009-10 to 2013-14

Commission extended the date of submission of comments / suggestions from the stakeholders up to 27th January, 2021, the gist of which was also published in all the earlier newspapers where the original gist was published, i.e., 'Ananda Bazar Patrika', 'Bartaman', 'The Times of India' and 'The Telegraph' on 19th January, 2021.

- 1.12 No comments, suggestions and objections have been received from the stakeholders against the APR application of DVC for the periods 2009 – 2010 to 2013 – 2014 within the stipulated date and time i.e., till 5.00 P.M. on 27th January, 2021



Certified true Copy



CHAPTER – 2

OWN GENERATION AND T&D COST AND POWER PURCHASE COST

2.1 The tariff of DVC's own generating stations and T&D network were determined by Central Electricity Regulatory Commission (CERC) for the period 2009-10 to 2013-14 and the same is considered for arriving at DVC's own generating stations and T&D network cost for this period.

2.2 Energy sales by DVC and energy balance:

DVC is a distribution licensee having own generating stations. A substantial part of its energy requirement is met out of its own generation and the balance is met by purchase from other agencies.

2.3 Energy Sales:

2.3.1 The following table depicts the sales (MU) as made by the petitioner for the command area of DVC in West Bengal for the period FY 2009-10 to 2013-14 vis-à-vis total sale in DVC command area.

Particulars	FY 2009-10 (Actual MU)	FY 2010-11 (Actual MU)	FY 2011-12 (Actual MU)	FY 2012-13 (Actual MU)	FY 2013-14 (Actual MU)
LV & MV	0.11	0.11	0.10	0.00069	0.00
Industries(33KV)	3423.51	3504.08	3876.48	4237.75	4473.09
Licensee - WBSEDCL (33 kV)	548.18	484.63	343.87	360.89	394.20
Licensee - IPCL (33 kV)	677.39	703.12	711.27	774.98	787.66
Industries (132KV)	549.07	547.05	686.76	810.01	815.32
Licensee - WBSEDCL (132KV)	51.45	110.86	142.25	136.50	119.63
Traction (132KV)	175.80	187.85	193.66	202.53	210.93
Industries(220 KV)	352.94	289.72	264.57	359.72	411.93

West Bengal Electricity Regulatory Commission

7

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

Particulars	FY 2009-10 (Actual MU)	FY 2010-11 (Actual MU)	FY 2011-12 (Actual MU)	FY 2012-13 (Actual MU)	FY 2013-14 (Actual MU)
Total annual sale in W.B. Area	5778.43	5827.43	6218.96	6882.38	7212.76
Energy sales by DVC in Jharkhand area	8094.00	8549.48	8899.12	9096.67	9610.55
Total annual sale of DVC in their command area in the State of West Bengal and Jharkhand	13872.44	14376.91	15118.08	15979.05	16823.31
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	41.654	40.533	41.136	43.071	42.874

2.3.2 Total energy utilization in West Bengal as admitted by the Commission is as follows:

Sl. No	Particulars	Unit	As admitted by Commission				
			2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
1	Energy sale in West Bengal area	MU	5778.43	5827.43	6218.96	6882.38	7212.76
2	Energy Sales within DVC Area	MU	13872.44	14376.91	15118.08	15979.05	16823.31
3	Energy Wheeled	MU	304.00	276.00	347.00	199.00	228.00
4	Units utilized in own premises including Construction Power	MU	138.00	117.00	111.00	112.00	101.00
5	Overall Utilization (2 +3 + 4)	MU	14314.44	14769.91	15576.08	16290.05	17152.31
6	Proportionate utilization in West Bengal	MU	5962.54	5986.69	6407.38	7016.29	7353.88

2.4 Sources of Energy

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





Order on APR of DVC for the year 2009-10 to 2013-14

central sector generating stations (CSGS) viz., NTPC, NHPC etc. and from Renewable Energy Sources through Inter State Transmission.

2.4.2 Generation of Power from own power stations:

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

Sl. No.	Name of generating stations	Ex-bus Energy (MU)				
		2009-10	2010-11	2011-12	2012-13	2013-14
1	BTPS (Unit 1 to 3)-630 MW	3139.84	3039.86	2964.44	2759.18	1520.29
2	MTPS U# 1 to 3 -630 MW	2782.89	3741.55	3365.22	2142.44	3063.90
3	CTPS U # I to III-390 MW	1946.93	2332.72	1943.69	1767.39	1779.97
4	DTPS U# 3 & 4-350 MW	1823.04	1337.60	1745.39	1834.35	1678.85
5	MTPS U # 4-210 MW	1302.08	1267.66	1175.72	1179.78	1055.73
6	MTPS U # 5 & 6-500 MW	1974.49	2800.78	3280.97	3179.36	3109.72
7	MTPS (NEW)-U#7&8-1000 MW – INFIRM POWER	0.00	81.65	58.08	284.17	0.00
8	MTPS (NEW)-U#7&8-1000 MW	0.00	0.00	1244.35	4750.37	4724.03
9	CTPS (NEW)-U#7&8-500 MW- INFIRM POWER	137.25	189.54	308.84	0.00	0.00
10	CTPS (NEW)-U#7&8-500 MW	0.00	0.00	1327.72	3251.53	2568.10
11	KTPS (NEW)-U# 1&2 AND DSTPS (NEW) – U # 1&2 – INFIRM POWER	0.00	0.00	6.40	235.33	384.52
12	KTPS U#1&2-1000 MW	0.00	0.00	0.00	45.93	1391.50
13	DSTPS (NEW) – U # 1&2 – 1000 MW	0.00	0.00	0.00	2241.12	4157.23
15	MHS U # 1, 2, 3 - 63.2 MW	102.38	59.47	121.85	88.54	97.57
16	PHS U #1& 2- 80 MW	84.50	54.27	172.83	109.34	126.50
17	THS- U # 1 & 2 -4 MW	9.62	0.46	6.50	4.04	4.56
18	Total	13303.02	14905.56	17722.00	23872.87	25662.47

2.4.2.2 The net sent out energy in MU available for supply to the consumers in command area in West Bengal in different years under the period has been considered by the Commission as follows:

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

Admitted share of net generation from own generating stations for supply in command area in West Bengal for FY 2009-10

Sl. No	Name of the generating Station	Ex- bus Energy (MU)	Percentage share of generation for own consumers (%)	Share of Energy for sale to consumers of DVC (MU)	Share for sale to consumers in West Bengal (%)	Share of Energy for sale to consumers in West Bengal (MU)
(1)	(2)	(3)	(4)	$[(5) = (3) \times (4)/100]$	(6)	$[(7) = (5) \times (6)/100]$
1	BTPS (Unit 1 to 3)-630 MW	3139.84	100.00%	3139.84	41.654	1307.87
2	MTPS U# 1 to 3 -630 MW	2782.89	100.00%	2782.89	41.654	1159.19
3	CTPS U # I to III-390 MW	1946.93	100.00%	1946.93	41.654	810.97
4	DTPS U# 3 & 4-350 MW	1823.04	100.00%	1823.04	41.654	759.37
5	MTPS U # 4-210 MW	1302.08	100.00%	1302.08	41.654	542.37
6	MTPS U # 5 & 6-500 MW	1974.49	41.55%	820.49	41.654	341.77
7	CTPS (NEW)-U#7&8 IMFIRM POWER	137.25	100.00%	137.25	41.654	57.17
8	MHS U # 1, 2, 3 - 63.2 MW	102.38	100.00%	102.38	41.654	42.65
9	PHS U #1& 2- 80 MW	84.50	100.00%	84.50	41.654	35.20
10	THS- U # 1 & 2 -4 MW	9.62	100.00%	9.62	41.654	4.01
	Total	13303.02		12149.02		5060.57

Admitted share of net generation from own generating stations for supply in command area in West Bengal for FY 2010-11

Sl. No	Name of the generating Station	Ex- bus Energy (MU)	Percentage share of generation for own consumers (%)	Share of Energy for sale to consumers of DVC (MU)	Share for sale to consumers in West Bengal (%)	Share of Energy for sale to consumers in West Bengal (MU)
(1)	(2)	(3)	(4)	$[(5) = (3) \times (4)/100]$	(6)	$[(7) = (5) \times (6)/100]$
1	BTPS (Unit 1 to 3)-630 MW	3039.86	100.00%	3039.86	40.533	1232.15
2	MTPS U# 1 to 3 -630 MW	3741.55	100.00%	3741.55	40.533	1516.56

West Bengal Electricity Regulatory Commission

10

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

Sl. No	Name of the generating Station	Ex- bus Energy (MU)	Percentage share of generation for own consumers (%)	Share of Energy for sale to consumers of DVC (MU)	Share for sale to consumers in West Bengal (%)	Share of Energy for sale to consumers in West Bengal (MU)
3	CTPS U # I to III-390 MW	2332.72	100.00%	2332.72	40.533	945.52
4	DTPS U# 3 & 4-350 MW	1337.60	100.00%	1337.60	40.533	542.17
5	MTPS U # 4-210 MW	1267.66	100.00%	1267.66	40.533	513.82
6	MTPS U # 5 & 6-500 MW	2800.78	17.17%	480.78	40.533	194.87
7	MTPS (NEW)- U#7 & 8-1000 MW-INFIRM POWER	81.65	100.00%	81.65	40.533	33.10
8	CTPS (NEW)-U#7&8-INFIRM POWER	189.54	100.00%	189.54	40.533	76.83
9	MHS U # 1, 2, 3 - 63.2 MW	59.47	100.00%	59.47	40.533	24.10
10	PHS U #1& 2- 80 MW	54.27	100.00%	54.27	40.533	22.00
11	THS- U # 1 & 2 -4 MW	0.46	100.00%	0.46	40.533	0.19
	Total	14905.56		12585.56		5101.31

Admitted share of net generation from own generating stations for supply in command area in West Bengal for FY 2011-12

Sl. No	Name of the generating Station	Ex- bus Energy (MU)	Percentage share of generation for own consumers (%)	Share of Energy for sale to consumers of DVC (MU)	Share for sale to consumers in West Bengal (%)	Share of Energy for sale to consumers in West Bengal (MU)
(1)	(2)	(3)	(4)	[(5) = (3) x (4)/100]	(6)	[(7) = (5)x(6)/100]
1	BTPS (Unit 1 to 3)-630 MW	2964.44	88.81%	2632.60	41.136	1082.95
2	MTPS U# 1 to 3 -630 MW	3365.22	88.81%	2988.51	41.136	1229.35
3	CTPS U # I to III-390 MW	1943.69	88.81%	1726.12	41.136	710.06
4	DTPS U# 3 & 4-350 MW	1745.39	88.81%	1550.02	41.136	637.62
5	MTPS U # 4-210 MW	1175.72	88.81%	1044.11	41.136	429.51
6	MTPS U # 5 & 6-500 MW	3280.97	58.48%	1918.61	41.136	789.24

West Bengal Electricity Regulatory Commission

11

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

Sl. No	Name of the generating Station	Ex- bus Energy (MU)	Percentage share of generation for own consumers (%)	Share of Energy for sale to consumers of DVC (MU)	Share for sale to consumers in West Bengal (%)	Share of Energy for sale to consumers in West Bengal (MU)
8	MTPS (NEW)- U#7 & 8-1000 MW	1244.35	96.22%	1197.33	41.136	492.53
7	MTPS (NEW)- U#7 & 8-1000 MW- INFIRM POWER	58.08	100.00%	58.08	41.136	23.89
9	CTPS (NEW)-U#7&8 -INFIRM POWER	308.84	100.00%	308.84	41.136	127.04
10	CTPS (NEW)-U#7&8-500 MW	1327.72	40.86%	542.50	41.136	223.16
11	KTPS (NEW)-U#1&2-INFIRM POWER and DSTPS (NEW) U #1& 2 -INFIRM POWER	6.40	100.00%	6.40	41.136	2.63
12	MHS U # 1, 2, 3 - 63.2 MW	121.85	100.00%	121.85	41.136	50.12
13	PHS U #1& 2- 80 MW	172.83	100.00%	172.83	41.136	71.10
14	THS- U # 1 & 2 -4 MW	6.50	100.00%	6.50	41.136	2.67
	Total	17722.00		14274.30		5871.87

Admitted share of net generation from own generating stations for supply in command area in West Bengal for FY 2012-13

Sl. No	Name of the generating Station	Ex- bus Energy (MU)	Percentage share of generation for own consumers (%)	Share of Energy for sale to consumers of DVC (MU)	Share for sale to consumers in West Bengal (%)	Share of Energy for sale to consumers in West Bengal (MU)
(1)	(2)	(3)	(4)	$[(5) = (3) \times (4)/100]$	(6)	$[(7) = (5) \times (6)/100]$
1	BTPS (Unit 1 to 3)-630 MW	2759.18	90.71%	2502.88	43.071	1078.02
2	MTPS U# 1 to 3 -630 MW	2142.44	88.04%	1886.14	43.071	812.38
3	CTPS U # I to III-390 MW	1767.39	91.02%	1608.73	43.071	692.90
4	DTPS U# 3 & 4-350 MW	1834.35	92.24%	1691.96	43.071	728.74
5	MTPS U # 4-210 MW	1179.78	92.76%	1094.34	43.071	471.34
6	MTPS U # 5 & 6-500 MW	3179.36	32.76%	1041.43	43.071	448.55

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

Sl. No	Name of the generating Station	Ex- bus Energy (MU)	Percentage share of generation for own consumers (%)	Share of Energy for sale to consumers of DVC (MU)	Share for sale to consumers in West Bengal (%)	Share of Energy for sale to consumers in West Bengal (MU)
7	MTPS (NEW)- U#7 & 8-1000 MW-INFIRM POWER	284.17	43.98%	124.99	43.071	53.83
8	MTPS (NEW)- U#7 & 8-1000 MW	4750.37	43.99%	2089.47	43.071	899.96
9	CTPS (NEW)-U#7&8-500 MW	3251.53	0.00%	0.00	43.071	0.00
9	KTPS (NEW)-U#1&2-1000 MW-INFIRM POWER	45.93	67.82%	31.15	43.071	13.42
10	DSTPS(NEW)-U#1&2-1000 MW-INFIRM POWER	235.33	67.82%	159.60	43.071	68.74
12	DSTPS(NEW)-U#1&2-1000 MW	2241.12	67.82%	1519.93	43.071	654.65
13	MHS U # 1, 2, 3 - 63.2 MW	88.54	100.00%	88.54	43.071	38.14
14	PHS U #1& 2- 80 MW	109.34	100.00%	109.34	43.071	47.09
15	THS- U # 1 & 2 -4 MW	4.04	100.00%	4.04	43.071	1.74
	Total	23872.87		13952.54		6009.50

Admitted share of net generation from own generating stations for supply in command area in West Bengal for FY 2013-14

Sl. No	Name of the generating Station	Ex- bus Energy (MU)	Percentage share of generation for own consumers (%)	Share of Energy for sale to consumers of DVC (MU)	Share for sale to consumers in West Bengal (%)	Share of Energy for sale to consumers in West Bengal (MU)
(1)	(2)	(3)	(4)	$[(5) = (3) \times (4)/100]$	(6)	$[(7) = (5) \times (6)/100]$
1	BTPS (Unit I to III)-630 MW	1520.29	83.86%	1274.92	42.874	546.61
2	MTPS U# I to III -630 MW	3063.90	91.99%	2818.52	42.874	1208.41
3	CTPS U # I to III-390 MW	1779.97	91.47%	1628.08	42.874	698.02
4	DTPS U# III & IV-350 MW	1678.85	91.88%	1542.54	42.874	661.35
5	MTPS U # IV-210 MW	1055.73	92.25%	973.94	42.874	417.57

West Bengal Electricity Regulatory Commission

13

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

Sl. No	Name of the generating Station	Ex- bus Energy (MU)	Percentage share of generation for own consumers (%)	Share of Energy for sale to consumers of DVC (MU)	Share for sale to consumers in West Bengal (%)	Share of Energy for sale to consumers in West Bengal (MU)
6	MTPS U # 5 & 6-500 MW	3109.72	35.75%	1111.77	42.874	476.66
7	CTPS (NEW)-U#7&8-500 MW	2568.10	0.00%	0.00	42.874	0.00
8	MTPS U 7 & 8 -1000 MW	4724.03	43.13%	2037.55	42.874	873.58
9	KTPS U I & II - 1000 MW	1391.50	88.04%	1225.11	42.874	525.25
10	KTPS U I & II - 1000 MW (INFIRM)	384.52	100.00%	384.52	42.874	164.86
11	DSTPS U I & II NEW -1000 MW	4157.23	58.88%	2447.63	42.874	1049.40
12	MHS U # I,II,III-63.2 MW	97.57	74.92%	73.10	42.874	31.34
13	PHS U I & II-80 MW	126.50	74.92%	94.78	42.874	40.64
14	THS-4 MW	4.56	75.00%	3.42	42.874	1.47
	Total	25662.47		15615.88		6695.16

2.4.3 Power Purchase from CSGS and renewable energy sources

2.4.3.1. After meeting the energy requirement as earmarked above from own generating stations of DVC for supply to consumers in the West Bengal command area, the balance energy is catered through the power purchase from the CSGS and other sources including renewable energy during the period of FY 2009-10 to FY 2013-14. The energy purchased by the petitioner from different sources other than renewable sources has been apportioned for the balance requirement of energy for sale to consumers in West Bengal in the ratio of actual sale of energy in West Bengal area to the total sale of DVC during the respective years.

2.4.3.2. The purchase quantum of energy as admitted by the Commission during the period is tabulated below:





Order on APR of DVC for the year 2009-10 to 2013-14

Agency	2009 – 2010			2010 – 2011			2011 – 2012			2012 – 2013			2013 – 2014		
	Purchas ed Energy	CTU Grid loss	Net purchas e	Purchas ed Energy	CTU Grid loss	Net purchas e	Purchas ed Energy	CTU Grid loss	Net purchas e	Purchas ed Energy	CTU Grid loss	Net purchas e	Purchas ed Energy	CTU Grid loss	Net purchas e
	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU
NTPC Ltd															
Talcher (TSTPS)	21.98	0.63	21.35	21.59	0.59	21.00	20.58	0.34	20.24	20.78	0.54	20.24	33.60	0.60	33.00
Farakka (FSTPS-III)	0	0	0	0	0	0	0.00	0	0	221.38	6.06	215.32	222.86	3.68	219.18
Farakka (FSTPP-I)													22.42	0.4	22.02
Kahelgaon (KhSTPS-1)	0	0	0	0	0	0	0.00	0	0	0	0	0	11.68	0.21	11.48
Kahelgaon (KhSTPS-2)													20.34	0.36	19.98
PTC India Ltd.															
a) Chukha HEP	189.65	5.82	183.83	190.71	5.24	185.47	177.76	2.84	174.93	161.41	4.69	156.72	188.02	4.12	183.9
b) Kurichu HEP	91.56	2.82	88.74	85.86	2.36	83.5	77.05	1.34	75.71	67.85	1.97	65.88	74.07	1.62	72.45
c) Tala HEP	184.44	5.82	178.62	198.16	5.45	192.71	188.73	2.94	185.79	171.74	4.98	166.76	200.51	4.39	196.12
NHPC Ltd.															
a) Rangeet HEP	32.13	0.97	31.16	34.04	0.94	33.11	34.12	0.55	33.57	32.05	0.77	31.28	34.62	0.74	33.89
b) Teesta HEP	222.36	6.73	215.63	223.97	6.16	217.81	218.30	3.7	214.6	193.02	5.75	187.27	196.39	4.17	192.21
WBSEDCL	9.54	0.27	9.27	0	0	0	0.00	0	0	0	0	0	0	0	0
Maithon Power Ltd	0	0	0	0	0	0	543.14	7.71	535.43	1505.03	42.6	1462.43	1204.83	25.95	1178.88
Power Exchange	0	0	0	0	0	0	23.32	0	23.32	0	0	0			
Renewable Power-Solar	0	0	0	0	0	0	0.00	0	0	0	0	0	18.351513	0.68	17.681513
Total	751.66	23.06	728.6	754.33	20.74	733.6	1283	19.42	1263.6	2373.26	67.36	2305.9	2227.692	46.92	2180.7915
Percentage of share for sale in West Bengal	41.65			40.533			41.136			43.071			42.874		
Share for sale in West Bengal	303.49			297.35			519.79			993.17			934.99		

2.4.4. Distribution Loss:

The Commission admits the distribution loss as per the norms specified in the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2007 and West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 for the respective year against the proportionate utilization of energy by the petitioner in their command area in West



Order on APR of DVC for the year 2009-10 to 2013-14

Bengal. Accordingly, the distribution loss, as admitted by the Commission, is shown in the following table.

Distribution Loss						
Particulars	Unit	2009-10	2010-11	2011-12	2012-13	2013-14
Proportionate utilization in West Bengal	MU	5962.53	5986.69	6407.38	7016.29	7353.88
T & D Loss (%) for West Bengal		2.6	2.5	2.4	2.3	2.2
T & D Loss	MU	155.03	149.67	153.78	161.37	161.79

2.4.5. Energy Balance:

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 2009 – 2010, 2010 – 2011, 2011 – 2012, 2012 – 2013 and 2013 – 2014 in below table. For the years 2009 – 2010, 2010 – 2011, 2011 – 2012 and 2012 – 2013, energy drawal through Unscheduled Interchanges (UI) is admitted by deducting proportionate own generation and proportionate purchase from Energy requirement for distribution business in West Bengal. However, for the year 2013 – 2014, proportionate own generation and proportionate purchase is more than Energy requirement for distribution business in West Bengal, hence additional purchase of 211.38 MU (6695.16 + 934.99 – 7418.77) is netted off from 934.99 MU of proportionate purchase to admit 723.61 MU (934.99 MU – 211.38 MU).

(Figures in Million Units)

Sl. No.	Particulars	Unit	As admitted by Commission				
			2009-10	2010-11	2011-12	2012-13	2013-14
1	Energy Sales within West Bengal	MU	5778.43	5827.43	6218.96	6882.38	7212.76





Order on APR of DVC for the year 2009-10 to 2013-14

Sl. No.	Particulars	Unit	As admitted by Commission				
			2009-10	2010-11	2011-12	2012-13	2013-14
2	LT Sales	MU	0.11	0.11	0.10	0.00069	0.00
3	HT Sales	MU	5778.32	5827.32	6218.86	6882.38	7212.76
4	Total Sales within West Bengal [2+3]	MU	5778.43	5827.43	6218.96	6882.38	7212.76
5	Energy Sales within Jharkhand	MU	8094.00	8549.48	8899.12	9096.67	9610.55
6	Total Energy Sales within DVC Area [4+5]	MU	13872.43	14376.91	15118.08	15979.05	16823.31
7	Energy Wheeled	MU	304	276	347	199	228
8	Units utilized in own premises including Construction Power	MU	138	117	111	112	101
9	Overall Utilization [6+7+8]	MU	14314.43	14769.91	15576.08	16290.05	17152.31
10	Proportionate utilization in West Bengal [9 x 22 / 100]	MU	5962.53	5986.69	6407.38	7016.29	7353.88
11	T & D Loss (%) for West Bengal		2.6	2.5	2.4	2.3	2.2
12	T & D Loss (MU) [10 x 11]	MU	155.03	149.67	153.78	161.37	161.79
13	Energy Requirement for DVC for distribution business in West Bengal (10+12)	MU	6117.56	6136.36	6561.16	7177.66	7515.67
14	Total Energy receipt for Wheeling	MU	350	284	397	242	226
15	Proportionate Energy receipt for Wheeling for distribution business in West Bengal [14 x 22 / 100]	MU	145.79	115.11	163.31	104.23	96.9
16	Energy requirement for DVC for distribution business in West Bengal from generation and power purchase [13 – 15]	MU	5971.77	6021.25	6397.85	7073.43	7418.77
17	Proportionate Generation available for sale within West Bengal	MU	5060.57	5101.31	5871.87	6009.50	6695.16
18	Proportionate Purchase for sale in West Bengal	MU	303.49	297.35	519.79	993.17	934.99
19	Admissible Proportionate Purchase for sale in West Bengal	MU	303.49	297.35	519.79	993.17	723.61
20	Non-Admissible purchase for sale in WB for netting off with Proportionate Purchase for sale in West Bengal	MU	0	0	0	0	211.38
21	Admissible energy drawal through Unscheduled Interchanges (UI) [16 – 17 – 18]	MU	607.71	622.59	6.19	70.76	0
22	Share of energy requirement in West Bengal against the total requirement of DVC	%	41.654	40.533	41.136	43.071	42.874

West Bengal Electricity Regulatory Commission

17

Certified true Copy





2.5 Cost arising from own generation:

- 2.5.1 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 being decided by the Central Electricity Regulatory Commission (in short 'CERC'). 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 is again regulated by the Central Electricity Regulatory Commission and tariff for composite T & D is being 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 is 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 States of West Bengal and Jharkhand.
- 2.5.2 Accordingly, the generation and transmission tariff of DVC, as determined by the Central Commission, is taken as an input cost based on which the annual performance review (APR) has been considered.
- 2.5.3 From the petition submitted, it is observed that the Truing-up Orders of CERC leading to determination of the Fixed Cost of different power stations of DVC and the transmission tariff for integrated transmission and distribution system 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# I to III	29.07.2016
2	Mejia Thermal Power Station, U# IV	29.07.2016
3	Mejia Thermal Power Station, U# V and VI	09.02.2017
4	Mejia Thermal Power Station, U# VII and VIII (INFIRM)	09.02.2017
5	Mejia Thermal Power Station, U# VII and VIII	14.09.2016
6	Bokaro Thermal Power Station, U# I to III	29.07.2016





Order on APR of DVC for the year 2009-10 to 2013-14

Sl. No.	Particulars	Date of issue of orders by CERC
7	Chandrapura Thermal Power Station, U# I to III	29.07.2016
8	Chandrapura Thermal Power Station, U# VII and VIII	09.02.2017
9	Durgapur Thermal Power Station, U# III & IV	29.07.2016
10	DSTPS (NEW) – U # 1&2	27.02.2017
11	Maithon Hydel Power Station	29.07.2016
12	Panchet Hydel Power Station	29.07.2016
13	Tilaiya Hydel Power Station	29.07.2016
14	Transmission and Distribution system activities of DVC	29.09.2017

In terms of order dated 30.09.2013 of CERC, the tariff recovered by DVC for their own generating stations and for integrated transmission and distribution system shall be as per the above orders during the period 2009 – 2014.

- 2.5.4 The Commission considers the Annual Fixed Charge (AFC) for the own power stations of DVC for the respective years as per the tariff determined by CERC for the period 2009-14 in the Trueing-up Orders.
- 2.5.5 The tariff Order dated 24.08.2015 of the Commission for the years 2009 – 2010, 2010 – 2011, 2011 – 2012, 2012 – 2013 and 2013 – 2014 was issued in compliance to the order dated 20.12.2013 of Hon'ble High Court at Calcutta in W.P. No. 3524P (W) of 2013 for determination of retail tariff in connections with order dated 30.09.2013 of Central Electricity Regulatory Commission for the period 2009 – 2014. Accordingly, Tariff Order of the Commission dated 24.08.2015, the allowable Fixed Cost including entire charges related to Contribution to Pension & Gratuity Fund and Sinking Fund as approved by the Central Commission was computed taking the submitted plant availability factor for the relevant years with the corresponding normative values in line with the CERC Tariff Regulations, 2009-14. Then the computed allowable fixed cost of respective generating stations was apportioned as per the share of generation available for the consumers in West Bengal from the generating station.





Order on APR of DVC for the year 2009-10 to 2013-14

2.5.6 In addition to the mentioned orders of APTEL and Supreme Court dated 23.07.2018, DVC submitted the following other rationale for considering P&G and Sinking funds irrespective of performance parameter :

CERC in its Tariff Regulations provides for PAF-linked Capacity Charge computation based on five stipulated AFC components. Those AFC components don't include P&G or Sinking Fund.

CERC allowed the expenditures on P&G Fund and Sinking Fund to be recovered through tariff as a special case to DVC in addition to the regular elements constituting Annual Fixed Charge (AFC).

For Working Capital computation, P&G, sinking fund, etc. are not considered as receivables by CERC and only the five stipulated AFC components are considered. Thus, recovery of P&G Fund and Sinking fund liabilities of DVC cannot be treated at par with normal elements of AFC viz. (a) Return on equity, (b) Interest on loan, (c) Depreciation, (d) O&M expenditure and (e) Interest on Working Capital etc.

While dealing with the recovery of additional elements of Fixed Charges, CERC (regarding ash disposal expenses in para 29 of the order dated 08.04.2019 in Petition No. 331/MP/2018) allowed recovery of such additional elements in full without factoring in Plant availability factor achieved during the month, in percent (PAFM) / Plant availability factor achieved during the year, in percent (PAFY) as such additional elements are not considered for computation of Interest on working capital (IWC).

The Commission understands from para 50,52,53,54 of Hon'ble Supreme Court's Order dated 23.07.2018, that entire P&G and Sinking funds should be passed through in tariff contrary to CERC order dated 03.10.2006 which directed that liability in this regard shall be shared between the petitioner Corporation and the consumers in the ratio of 40:60 [para-81, p-45] but the Orders does not say that recovery of such funds will be irrespective of performance parameter applicable as per relevant regulation, here CERC Tariff Regulations, 2009-14.

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

The contribution to Pension and Gratuity and Sinking fund has already been considered by CERC in the Annual Fixed Charges of the DVC's generating stations and as per Section 21 of the CERC Regulations, the fixed costs of the generating stations shall be computed on annual basis based on actual plant availability factor as well as the normative plant availability factor.

The Commission, thus continue to allow recovery of such cost related to Contribution to Pension & Gratuity Fund and Sinking Fund as approved by the Central Commission based on performance parameters as per CERC Tariff Regulations, 2009 – 2014 without undertaking any determination/re-determination on the same

- 2.5.7 DVC has submitted the energy charge rate (ECR) of firm power for the years 2009 – 2010 to 2013 – 2014 for their generating stations as per Regulation 21 of the CERC Tariff Regulations, 2009 and ECR of infirm power of 2011 – 2012, 2012 – 2013 and 2013 – 2014 are as per Tariff Order dated 24.08.2015 of the Commission. However, DVC clarified in its letter dated 08.03.2021 that in absence of formula of CERC for computation of ECR for the infirm generation, ECR of infirm power from CTPS U#7&8 has been computed based on total infirm generation during 2009-10 & 2010-11 and total cost of fuel utilized during the same period and claimed in the petition @ 348.67 p/kwh whereas the Commission in Tariff Order dated 24.08.2015, approved the ECR of infirm power from CTPS U#7&8 for the period 2009 – 2010, 2010 – 2011, 2011 – 2012 at par with ECR of firm power during 2011-12 @ 153.10 P/Kwh. It is found that DVC has adopted the methodology of the Commission in Tariff Order dated 24.08.2015 for infirm powers from other power station - MTPS U#7&8 during the same period 2009-10 and 2010-11. The Commission considers to continue with the methodology of ECR of infirm power of CTPS U#7&8 for 2009-10 and 2010-11 @ 153.10 P/ Kwh as per Tariff Order dated 24.08.2015. The energy charge rates as submitted by

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

DVC for the years 2009 – 2010, 2010 – 2011, 2011 – 2012, 2012 – 2013 and 2013 – 2014 have been considered.

2.5.8 The station wise fixed charge, energy charge of different power stations of DVC in respective years of the control period on the basis of availability and percentage utilization by the consumers in command area of West Bengal 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 are summarized in Annexures 2A, 2B, 2C, 2D and 2E. The Commission admits that balance energy requirement from power purchase from other agencies on the basis of merit order considering normative distribution loss and cost thereof is considered by the Commission in subsequent paragraphs.

2.6 Purchase cost from CSGS and Renewable Sources for sale to consumers in the command area in West Bengal

2.6.1 The Commission has considered the power purchase rates as per submission of the petitioner for the FY 2009 – 2010 to FY 2013 – 2014 consisting of Fixed Charge, Energy Charge for all the above five years.

2.6.2 The Commission also considers the cost of Unscheduled Interchanges (UI) drawal during the period 2009 – 2010 to 2012 – 2013 at average rate of Unscheduled Interchanges (UI) drawal during the year on the admitted quantum of UI drawal in the energy balance. However, for the year 2013 – 2014, there being purchase of power in excess of requirement over and above own generation as determined in Energy Balance, no cost of UI is admitted and the average power purchase cost is applied on admissible power purchase quantum.

2.6.3 The power purchase cost from CSGS, Renewable Sources and cost of Unscheduled Interchanges (UI) drawal, as admitted by the Commission for sale to





Order on APR of DVC for the year 2009-10 to 2013-14

consumers of DVC in the command area in West Bengal are summarized in Annexures 2F, 2G, 2H, 2I and 2J.

2.7 Interest on Working Capital for Power Purchase:

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 from 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 Commission has introduced MVCA for all the distribution licensees with effect from April, 2011. DVC has submitted that since the order was issued on 24.08.2015 with retail tariff of only 2013-14, DVC could not apply the refund / recovery of variable cost through MVCA mechanism for their consumers in West Bengal for the past period for which either the DVC's own tariff schedule (up to April 2010) or a single part tariff based on Central Commission's orders were applicable. The Commission, thus, considers the working capital requirement @ 18% of power purchase cost for the entire period for the years 2009 – 2010, 2010 – 2011, 2011 – 2012, 2012 – 2013 and 2013 – 2014. The SBI Prime Lending Rate (PLR) as on 01.04.2008, 01.04.2009, 01.04.2010, 01.04.2011 and 01.04.2012 were 12.25%, 12.25%, 11.75%, 13.00% and 14.75% respectively. The Commission considers the interest on working capital at the rate of 12.25%, 12.25%, 11.75%, 13.00% and 14.75% respectively which are equal to SBI PLR as stood on 1st April of preceding year of the respective years under the subject period as per regulation 5.6.5.2 of the Tariff Regulations.

West Bengal Electricity Regulatory Commission

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

Thus, taking in view of the above consideration, the Commission has admitted the above interest rate on Working Capital for the command area of West Bengal:

Year	Cost of power purchase for sale in WB (Rs. in lakh)	Percentage of working capital (In %)	Amount of working capital requirement (Rs. in lakh)	SBI PLR Rate (In %)	Interest on working capital as per SBI rate (Rs. in lakh)
2009-2010	28980.96	18	5188.77	12.25	635.62
2010-2011	22014.46	18	3881.69	12.25	475.51
2011-2012	19615.45	18	3511.07	11.75	412.55
2012-2013	38828.09	18	6981.08	13	907.54
2013-2014	33599.28	18	6017.32	14.75	887.55

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

The Petitioner has submitted a claim of interest on the Security Deposit for the consumers of West Bengal for the years 2011 – 2012, 2012 – 2013 and 2013 – 2014 only. DVC has claimed Rs. 95.93 lakh, Rs. 76.01 lakh and Rs. 37.69 lakh on this score for the years 2011 – 2012, 2012 – 2013 and 2013 – 2014 respectively. The Commission allows the above claim of the petitioner.

2.9 Different fees to CERC & WBERC and related publication expenses:

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

(Rs. in lakh)

Item	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Tariff filing fees for WBERC	22.59	22.59	27.01	30.87	31.25
Publication expenses related to WBERC	0.00	0.00	2.88	2.87	2.87





Order on APR of DVC for the year 2009-10 to 2013-14

Item	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Licensee Fee	25.80	28.89	29.14	31.09	34.41
Fees for approval of power purchase agreement by WBERC	0.00	0.00	4.00	0.00	4.00
Total fees paid to WBERC and publication expense related to WBERC	48.39	51.48	63.03	64.83	72.53
Tariff filing fees to CERC & related publication expenses	0.00	0.00	138.35	290.88	354.11
Share for above in West Bengal Area	0.00	0.00	56.91	125.28	151.82
Total fees paid to WBERC & CERC and publication fees as admitted by the Commission	48.39	51.48	119.94	190.11	224.35

The Commission considers the different fees paid to WBERC and the publication expenses in total related to WBERC, as submitted by DVC, to the tune of Rs. 48.39 lakh, Rs. 51.48 lakh, Rs. 63.03 lakh, Rs. 64.03 lakh and Rs. 72.53 lakh for the years 2009 – 2010, 2010 – 2011, 2011 – 2012, 2012 – 2013 and 2013 – 2014 respectively. The Commission has also considered the tariff filling fees to CERC and related publication expense on the basis of sales ratio of West Bengal to the total sales of DVC in their command area in West Bengal and Jharkhand to the tune of Rs.56.91, Rs.125.28 and Rs. 151.82 for the years 2011 – 2012, 2012 – 2013 and 2013 – 2014 respectively.

2.10 Non-tariff income:

DVC has shown only Surcharge for Late Payments as Income other than energy sales in Sl. No-18(a) of Form E(B). But in respective Form 1.26, 'Other General receipts arising from and ancillary or incidental to the business of electricity' [Sl. No-(xiii) of Form 1.26] is shown in addition to Surcharge for Late Payments. DVC clarified in its letter dated 08.03.2021 that entries against Sl. No. A(xiii) are part of other income and is related to 'Rebate on purchase of Power' which is already netted off in submitted forms power purchase cost, hence while finalising ARR in





Order on APR of DVC for the year 2009-10 to 2013-14

Format-E(B), the income as indicated at Sl. No. A(xiii) of form 1.26 have not again been deducted. While determining admissible Income other than energy, form 1.26 has been considered instead of form E(B). As per the submission of the Petitioner in form E(b), only Surcharge for Late Payments has been admitted as the non-tariff income as follows:

Item	As admitted by the Commission				
	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Surcharge for Late Payments	189	763	2854	3160	2079
Other general receipt arising from and ancillary or incidental to the business of electricity	0	0	0	0	0
Total non-tariff income	189	763	2854	3160	2079
Proportionate share for sale to consumers in WB	78.73	309.27	1174.02	1361.04	891.35

2.11 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 Trueing-up order dated 29.09.2017. DVC has claimed proportionate cost for composite transmission and distribution expenses for West Bengal consumers in their APR 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 years 2009 – 2010, 2010 – 2011, 2011 – 2012, 2012 – 2013 and 2013 – 2014 are Rs. 38551.42 lakh, Rs. 41396.41 lakh, Rs. 43830.05 lakh, Rs. 48840.95 lakh and Rs. 52479.37 lakh respectively. 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. Such admitted amount for the years 2009 – 2010, 2010 – 2011, 2011 – 2012, 2012 – 2013 and 2013 – 2014 comes respectively as follows:

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

		Rs in Lakh				
Sl. No	Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
A	Normative Availability (NATAF)	98.00%	98.00%	98.00%	98.00%	98.00%
B	Actual Yearly Availability (TAFY)	98.00%	98.00%	98.00%	99.00%	94.92%
C	Total Annual Transmission charge (ATC) As per latest CERC Orders (Rs lakh)	38551.42	41396.41	43830.05	48840.95	52479.37
D	Recoverable fixed charge as per CERC formula: ATC x (TAFY / NATAF)	38551.42	41396.41	43830.05	49339.33	50830.02
E	Share of Sale in WB Command area of DVC	41.65	40.53	41.14	43.07	42.87
F=C x D / 100	T&D Cost in WB Command area of DVC	16058.21	16779.21	18029.93	21250.94	21792.86

2.12 Water cess:

2.12.1 DVC submitted that expenditure towards water cess, pollution cess, labour welfare cess etc. is related to the payment made by DVC directly to the respective State Government authorities as statutory fees and is not related to generation tariff as determined by the CERC in either the station wise Fixed Cost or the Energy Charges computed in terms of the formula specified by the Central Commission in respect of different generating stations. They have submitted year wise and station wise statement of water cess and other cess as per the audited annual accounts for the period 2009-14 already paid to the Statutory body by the respective generating stations. Further, sample electricity bills of NTPC to DVC have been submitted where water & pollution cess is claimed in addition to the generation tariff approved by CERC.





Order on APR of DVC for the year 2009-10 to 2013-14

2.12.2 The expenditure towards water cess is uncontrollable and is related to the quantum of water to be used in the generating stations. The break up of such cess submitted is as follows:

Generating Station	As submitted in total by DVC				
	2009-10	2010-11	2011-12	2012-13	2013-14
Bokaro TPS	52.77	55.11	49.26	43.1	27.66
Chandrapura TPS	15.03	17.46	13.6	23.52	15.71
Durgapur TPS	133.06	132.81	97.04	104.84	96.04
Mejia TPS	41.18	51.76	36.82	44.79	15.57
Koderma TPS	0	0	0	0	9.63
Total	242.04	257.14	196.72	216.25	164.61

2.12.3 The Commission admits water cess on the basis of sales ratio in the command area of West Bengal to the total sales to consumers of DVC.

2.13 Pollution cess

The breakup of Pollution cess submitted by DVC is as follows:

Generating Station	As submitted in total by DVC				
	2009-10	2010-11	2011-12	2012-13	2013-14
Bokaro TPS	25.39	8.88	0	19.07	2.11
Chandrapura TPS	3.69	7.78	5.93	9.34	4.58
Durgapur TPS	7.25	0.55	1.04	27.08	30.69
Mejia TPS	0.03	0	1.77	0	0
Koderma TPS	0	0	0	0	0
Total	36.36	17.21	8.74	55.49	37.38

The Commission admits pollution cess on the basis of sales ratio in the command area of West Bengal to the total sales of DVC after determining the admissible amount for consumers of DVC.

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

2.14 Labour Welfare Cess:

DVC has claimed Labour welfare cess as follows:

Generating Station	Labour Welfare Cess				
	2009-10	2010-11	2011-12	2012-13	2013-14
Bokaro TPS				-0.25	
Chandrapura TPS					
Durgapur TPS	0.10	0.04	0.07		
Mejia TPS		0.40			
Koderma TPS					
Total	0.10	0.44	0.07	-0.25	0

The admitted water , pollution and labour welfare cess in APR for the respective years for all generating stations are as follows:

Rs. in Lakh

Generating Station	Water, Pollution and other Cess submitted by DVC (Rs lakh)				
	[A]				
	2009-10	2010-11	2011-12	2012-13	2013-14
Bokaro TPS	78.16	63.99	49.26	61.92	29.77
Chandrapura TPS	18.72	25.24	19.53	32.86	20.29
Durgapur TPS	140.41	133.4	98.15	131.92	126.73
Mejia TPS	41.21	52.16	38.59	44.79	15.57
Koderma TPS	0	0	0	0	9.63
Total	278.50	274.79	205.53	271.49	201.99
Share of Sale for Consumers of DVC [B]					
Bokaro TPS	100.00%	100.00%	88.81%	90.71%	83.86%
Chandrapura TPS	100.00%	100.00%	71.99%	32.05%	37.44%
Durgapur TPS	100.00%	100.00%	88.81%	78.21%	68.37%
Mejia TPS	80.96%	70.60%	78.98%	54.06%	58.07%
Koderma TPS			100.00%	67.82%	90.63%
Admissible Cess for Consumers of DVC (Rs lakh)					
[C] = [A] x [B]					

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

Bokaro TPS	78.16	63.99	43.75	56.17	24.97
Chandrapura TPS	18.72	25.24	14.06	10.53	7.60
Durgapur TPS	140.41	133.40	87.16	103.18	86.65
Mejia TPS	33.36	36.83	30.48	24.21	9.04
Koderma TPS	0.00	0.00	0.00	0.00	8.73
Total	270.65	259.46	175.45	194.09	136.98
Share of Sale in WB Area (%)	41.65	40.53	41.14	43.07	42.87
As admitted by the Commission for WB area	112.74	105.17	72.17	83.60	58.73

2.15 Rebate on Sale of Power

DVC has claimed rebate on sale of power stating that such rebate effectively reduces the gross revenue earned by DVC from retail sale of electricity, treating the rebate as an expense item and claimed as part of the ARR in this APR application. The Commission admits it on the basis of sales ratio in the command area of West Bengal to the total sales of DVC. The admitted rebate on sale of power in APR for the respective years for all generating stations are as follows:

Rs. in Lakh

Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
Rebate on sale of Power	512.20	304.98	1167.16	1563.92	3279.79
Share of Sale in WB Area	41.654	40.533	41.136	43.071	42.874
As admitted by the Commission for WB area	213.35	123.62	480.12	673.60	1406.18

2.16 Legal Charges

DVC did not project any figure on this head in the tariff petition TP – 62/ 14 – 15 for the years 2009 – 2010 to 2013 – 2014. DVC has claimed Legal charges amounting Rs 152.36 lakh, 160.49 lakh, 203.07 lakh, 228.92 lakh and 304.48 lakh for the said period respectively related to distribution activities and proportionate amount in the

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

State of West Bengal. The legal expenses in relation to the various court cases pertaining to its distribution activity in the states of Jharkhand and West Bengal on yearly basis have been claimed in the present APR petition in accordance with Regulation 5.7.2 (ii) of the WBERC (Terms and Conditions of Tariff) Regulations, 2011. Total legal expenses during a particular year have been segregated between Jharkhand and West Bengal part of DVC in proportion to the quantum of sale in the respective states for the respective years. Further, DVC clarified in its letter dated 08.03.2021 that its business of electricity being vertically integrated comprising Generation, Transmission and Distribution, there is single Annual Accounts for entire activities with entire legal expenditure of DVC is booked under 'Legal Expenses'. However, DVC vide their letter dated 22.03.2021 has revised the claimed amount related to distribution activity of entire DVC area with Auditor's Certificate amounting Rs 83.55 lakh, 86.64 lakh, 125.70 lakh, 131.14 lakh and 134.67 lakh for the years 2009 – 2010, 2010 – 2011, 2011 – 2012, 2012 – 2013 and 2013 – 2014 respectively. The Commission admits legal charges in APR for the respective years are as follows:

Rs in lakh

Legal Charges						
Sl. No.	Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
1	Legal Charges in DVC command area	83.55	86.64	125.70	131.14	134.67
2	Share of Sale in WB Area	41.65	40.53	41.14	43.07	42.87
3	As admitted by the Commission for WB area [1 x 2 /100]	34.80	35.12	51.71	56.48	57.74

2.17 Interest on Temporary financial Accommodation





Order on APR of DVC for the year 2009-10 to 2013-14

DVC did not project any figure on this head in the tariff petition TP – 62/ 14 – 15 for the years 2009 – 2010 to 2013 – 2014. DVC has claimed interest on temporary financial accommodation in the instant petition, as per regulation 5.6.5.4 of Tariff Regulations, 2011, booked in the Audited Accounts. Further, DVC has furnished the statement of interest paid against 'Line of Credit' on yearly basis certified by the Auditor. However, the amount of loans, source of the loan, date of drawal, amount repaid during the years, in required formats has not been given by DVC in order to ascertain the amount of interest allowable. DVC submitted that due to payment shortfall, DVC resorted to short term cash credit and claimed the cost of such temporary financial accommodation against the financial injury due to delayed payment by the consumers. This is found that full interest for short term loan booked in the accounts of DVC has been claimed for interest on temporary accommodation. This is not tenable that all short-term loans have been taken for delayed payment / short-payment by consumers. Moreover, it is found from Annual Financial Statements of DVC for the years 2012-13 and 2013-14 that the Short Term Borrowings (Line of Credit) for the years 2011-12, 2012-13 and 2013-14 are for financing overdues of Jharkhand State Electricity Boards (JSEB) amounting Rs 360000.00 lakh, Rs 80000.00 lakh and Rs 300000.00 lakh respectively. The reason of Line of Credit for the years 2010-11 is not found in Annual Financial Statements of DVC. As DVC could not substantiate their claim with the details of amount of loan actually drawn for the purpose, the Commission finds it prudent not to admit any interest on temporary accommodation.

Certified true Copy





Annexure-2A

Station wise fixed charges and energy charges for sale to consumers
In command area of DVC in West Bengal for the year 2009 – 2010

Order on APR of DVC for the year 2009-10 to
2013-14

Sl 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 (PAF)	Fixed cost as per CERC order	Allowable Fixed cost for DVC consumers as per PAF	Energy charge as per CERC order/ Petition	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	$[(13) = (5) \times (12)/10]$	$[(14) = (11) + (13)]$	$[(15) = (14)/(5) \times 10]$	$[(16) = (7) \times (15)/10]$
1	BTPS (Unit 1 to 3)-630 MW	3139.84	100.00%	3139.84	41.654	1307.87	75	63.39	36239.20	30629.37	127.754	40112.71	70742.08	225.305	29466.91
2	MTPS U# 1 to 3 -630 MW	2782.89	100.00%	2782.89	41.654	1159.19	82	55.41	48369.31	32684.68	170.119	47342.25	80026.93	287.568	33334.42
3	CTPS U # I to III-390 MW	1946.93	100.00%	1946.93	41.654	810.97	60	64.39	22033.93	23646.08	137.484	26767.17	50413.25	258.937	20999.14
4	DTPS U# 3 & 4-350 MW	1823.04	100.00%	1823.04	41.654	759.37	74	66.44	21029.32	18880.92	190.112	34658.18	53539.10	293.68	22301.18
5	MTPS U # 4-210 MW	1302.08	100.00%	1302.08	41.654	542.37	82	77.78	21499.05	20945.84	170.017	22137.57	43083.41	330.881	17945.96
6	MTPS U # 5 & 6-500 MW	1974.49	41.55%	820.49	41.654	341.77	85	49.54	61658.50	16533.01	183.394	15047.29	31580.30	384.896	13154.46
7	CTPS-U#7&8 IMFIRM	137.25	100.00%	137.25	41.654	57.17			0	0	153.100	2101.3	2101.30	153.1	875.28
8	MHS U # 1, 2, 3 - 63.2 MW	102.38	100.00%	102.38	41.654	42.65	80	80	2993.48	2993.48	0	0	2993.48	292.389	1246.9
9	PHS U #1& 2- 80 MW	84.5	100.00%	84.5	41.654	35.2	80	80	2239.26	2239.26	0	0	2239.26	265.001	932.74
10	THS- U # 1 & 2 -4 MW	9.62	100.00%	9.62	41.654	4.01	80	80	679.13	679.13	0	0	679.13	705.956	282.88
	Total	13303.02		12149.02		5060.57			216741.18	149231.77		188166.47	337398.24	277.716	140539.87

Certified true Copy



West Bengal Electricity Regulatory Commission



Annexure-2B

Station wise fixed charges and energy charges for sale to consumers
In command area of DVC in West Bengal for the year 2010 – 2011

Order on APR of DVC for the year 2009-10 to
2013-14

Sl 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 (PAF)	Fixed cost as per CERC order	Allowable Fixed cost for DVC consumers as per PAF	Energy charge as per CERC order/ Petition	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	$[(13) = (5) \times (12)/10]$	$[(14) = (11) + (13)]$	$[(15) = (14)/(5) \times 10]$	$[(16) = (7) \times (15)/10]$
1	BTPS (Unit 1 to 3)-630 MW	3039.86	100.00%	3039.86	40.533	1232.15	75	61.37	35886.05	29364.36	148.901	45263.82	74628.18	245.50	30249.04
2	MTPS U# 1 to 3 -630 MW	3741.55	100.00%	3741.55	40.533	1516.56	82	74.5	47652.74	43294.26	191.129	71511.87	114806.13	306.84	46534.37
3	CTPS U # I to III-390 MW	2332.72	100.00%	2332.72	40.533	945.52	60	77.15	22607.28	29069.19	155.294	36225.74	65294.93	279.91	26465.99
4	DTPS U# 3 & 4-350 MW	1337.6	100.00%	1337.6	40.533	542.17	74	48.75	21402.07	14099.34	231.846	31011.72	45111.06	337.25	18284.87
5	MTPS U # 4-210 MW	1267.66	100.00%	1267.66	40.533	513.82	82	75.72	20710.27	19917.22	190.566	24157.29	44074.51	347.68	17864.72
6	MTPS U # 5 & 6-500 MW	2800.78	17.17%	480.78	40.533	194.87	85	70.27	59900.41	9391.52	203.84	9800.22	19191.74	399.18	7778.99
7	MTPS (NEW)- U#7 & 8-1000 MW-INFIRM	81.65	100.00%	81.65	40.533	33.1	0	0		0	236.020	1927.10	1927.10	236.02	781.11
8	CTPS (NEW)-U#7&8-INFIRM	189.54	100.00%	189.54	40.533	76.83	0	0	0	0	153.100	2901.86	2901.86	153.10	1176.21
9	MHS U # 1, 2, 3 - 63.2 MW	59.47	100.00%	59.47	40.533	24.1	80	80	3006.09	3006.09	0	0	3006.09	505.48	1218.46
10	PHS U #1& 2- 80 MW	54.27	100.00%	54.27	40.533	22	80	80	2170.75	2170.75	0	0	2170.75	399.99	879.87
11	THS- U # 1 & 2 -4 MW	0.46	100.00%	0.46	40.533	0.19	80	80	710.92	710.92	0	0	710.92	15454.78	288.16
	Total	14905.56		12585.56		5101.31			214046.58	151023.65		222799.62	373823.27	297.03	151521.79

Certified true Copy



West Bengal Electricity Regulatory Commission



Annexure-2C

Station wise fixed charges and energy charges for sale to consumers
In command area of DVC in West Bengal for the year 2011 – 2012

Order on APR of DVC for the year 2009-10 to
2013-14

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 (PAF)	Fixed cost as per CERC order	Allowable Fixed cost for DVC consumers as per PAF	Energy charge as per CERC order/ Petition	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	$\frac{[(5) = (3) \times (4)]}{100}$	6	$\frac{[(7) = (5) \times (6)]}{100}$	8	9	10	11	12	$\frac{[(13) = (5) \times (12)]}{10}$	$\frac{[(14) = (11) + (13)]}{10}$	$\frac{[(15) = (14)]}{(5) \times 10}$	$\frac{[(16) = (7) \times (15)]}{10}$
1	BTPS (Unit 1 to 3)-630 MW	2964.44	88.81%	2632.6	41.136	1082.95	75	59.85	37201.40	26363.58	158.40	41700.38	68063.96	258.54	27998.79
2	MTPS U# 1 to 3 -630 MW	3365.22	88.81%	2988.51	41.136	1229.35	82	67.01	51235.14	37182.19	230.10	68765.62	105947.81	354.52	43582.69
3	CTPS U # I to III-390 MW	1943.69	88.81%	1726.12	41.136	710.06	60	64.29	23933.9	22774.54	190.00	32796.28	55570.82	321.94	22859.61
4	DTPS U# 3 & 4-350 MW	1745.39	88.81%	1550.02	41.136	637.62	74	63.6	23031.93	17579.26	302.70	46919.11	64498.37	416.11	26532.05
5	MTPS U # 4-210 MW	1175.72	88.81%	1044.11	41.136	429.51	82	70.23	21602.61	17807.58	230.10	24024.97	41832.55	400.65	17208.24
6	MTPS U # 5 & 6-500 MW	3280.97	58.48%	1918.61	41.136	789.24	85	82.32	59579.81	34291.18	209.50	40194.88	74486.06	388.23	30640.59
7	MTPS (NEW)- U#7 & 8-1000 MW	1244.35	96.22%	1197.33	41.136	492.53	85	45.4	35340.69	20108.84	236.02	28259.38	48368.22	403.97	19896.75
8	MTPS (NEW)- U#7 & 8-1000 MW(INFIRM)	58.08	100.00%	58.08	41.136	23.89	0	0		0	236.02	1370.80	1370.80	236.02	563.89
9	CTPS (NEW)-U#7&8 (INFIRM)	308.84	100.00%	308.84	41.136	127.04	85	0		0	153.10	4728.34	4728.34	153.10	1945.05
10	CTPS (NEW)-U#7&8-500 MW	1327.72	40.86%	542.5	41.136	223.16	85	59.02	31449.71	9878.56	153.10	8305.68	18184.24	335.19	7480.27
11	KTPS (NEW)-U#1&2 (INFIRM) and DSTPS (NEW) U #1& 2 (INFIRM)	6.4	100.00%	6.4	41.136	2.63	85	0			285.01	182.41	182.41	285.02	75.04
12	MHS U # 1, 2, 3 - 63.2 MW	121.85	100.00%	121.85	41.136	50.12	80	80	3180.39	3180.39	0.00	0.00	3180.39	261.01	1308.29
13	PHS U #1& 2- 80 MW	172.83	100.00%	172.83	41.136	71.1	80	80	2292.51	2292.51	0.00	0.00	2292.51	132.65	943.05
14	THS- U # 1 & 2 -4 MW	6.5	100.00%	6.5	41.136	2.67	80	80	752.99	752.99	0.00	0.00	752.99	1158.45	309.75
	Total	17722		14274.3		5871.87			289601.08	192211.62		297247.85	489459.47	342.90	201344.06

West Bengal Electricity Regulatory Commission

Certified true Copy





Annexure-2D

Station wise fixed charges and energy charges for sale to consumers In command area of DVC in West Bengal for the year 2012 – 2013

Order on APR of DVC for the year 2009-10 to 2013-14

Sl 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 (PAF)	Fixed cost as per CERC order	Allowable Fixed cost for DVC consumers as per PAF	Energy charge as per CERC order/ Petition	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	$\frac{[(5) = (3) \times (4)]}{100}$	6	$\frac{[(7) = (5) \times (6)]}{100}$	8	9	10	11	12	$\frac{[(13) = (5) \times (12)]}{10}$	$\frac{[(14) = (11) + (13)]}{10}$	$\frac{[(15) = (14) \times (5)]}{10}$	$\frac{[(16) = (7) \times (15)]}{10}$
1	BTPS (Unit 1 to 3)-630 MW	2759.18	90.71%	2502.88	43.071	1078.02	75	65.03	42568.55	33481.23	167.70	41973.30	75454.53	301.47	32499.02
2	MTPS U# 1 to 3 -630 MW	2142.44	88.04%	1886.14	43.071	812.38	82	54.62	51880.12	30423.14	257.69	48603.94	79027.08	418.99	34037.75
3	CTPS U# I to III-390 MW	1767.39	91.02%	1608.73	43.071	692.9	60	61.57	24223.34	22625.73	212.67	34212.86	56838.59	353.31	24480.95
4	DTPS U# 3 & 4-350 MW	1834.35	92.24%	1691.96	43.071	728.74	74	75.85	23641.62	22351.62	306.10	51790.90	74142.52	438.21	31933.92
5	MTPS U# 4-210 MW	1179.78	92.76%	1094.34	43.071	471.34	82	77.37	21833.13	19680.22	257.69	28200.05	47880.27	437.53	20622.51
6	MTPS U# 5 & 6-500 MW	3179.36	32.76%	1041.43	43.071	448.55	85	89.16	62503.02	20974.46	259.56	27031.36	48005.82	460.96	20676.59
7	MTPS (NEW)- U#7 & 8-1000 MW-INFIRM POWER	284.17	43.98%	124.99	43.071	53.83	0	0.00		0	236.10	2951.01	2951.01	236.10	1271.03
8	MTPS (NEW)- U#7 & 8-1000 MW	4750.37	43.99%	2089.47	43.071	899.96	85	81.92	98228.58	42423.45	236.10	49332.39	91755.84	439.14	39520.16
9	CTPS (NEW)-U#7&8-500 MW	3251.53	0.00%	0	43.071	0	85	NA	0	0	0.00	0.00	0.00	0.00	0
10	KTPS (NEW)-U#1&2-1000 MW(INFIRM)	45.93	67.82%	31.15	43.071	13.42	85	NA		0	248.77	774.92	774.92	248.77	333.77
11	DSTPS(NEW)-U#1&2-1000 MW-INFIRM	235.33	67.82%	159.6	43.071	68.74	85	0.00			285.01	4548.76	4548.76	285.01	1959.2
12	DSTPS(NEW)-U#1&2-1000 MW	2241.12	67.82%	1519.93	43.071	654.65	85	69.30	62387.83	38192.35	285.01	43319.52	81511.87	536.29	35107.98
13	MHS U # 1, 2, 3 - 63.2 MW	88.54	100.00%	88.54	43.071	38.14	80	80.00	3250.79	3250.79	0.00	0.00	3250.79	367.16	1400.15
14	PHS U #1& 2- 80 MW	109.34	100.00%	109.34	43.071	47.09	80	80.00	2348.09	2348.09	0.00	0.00	2348.09	214.75	1011.35
	THS- U # 1 & 2 -4 MW	4.04	100.00%	4.04	43.071	1.74	80	80.00	792.78	792.78	0.00	0.00	792.78	1962.33	341.46
	Total	23872.87		13952.54		6009.5			393657.85	236543.86		332739.01	569282.87	408.01	245195.84





Annexure-2E

Order on APR of DVC for the year 2009-10 to 2013-14

Station wise fixed charges and energy charges for sale to consumers In command area of DVC in West Bengal for the year 2013 – 2014

Sl 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 (PAF)	Fixed cost as per CERC order	Allowable Fixed cost for DVC consumers as per PAF	Energy charge as per CERC order/ Petition	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	$\frac{[(5) = (3) \times (4)]}{100}$	6	$\frac{[(7) = (5) \times (6)]}{100}$	8	9	10	11	12	$\frac{[(13) = (5) \times (12)]}{10}$	$\frac{[(14) = (11) + (13)]}{(5) \times 10}$	$\frac{[(15) = (14)]}{(5) \times 10}$	$\frac{[(16) = (7) \times (15)]}{10}$
1	BTPS (Unit I to III)-630 MW	1520.29	83.86%	1274.92	42.874	546.61	75	69.62	41531.59	32330.16	172.546	21998.23	54328.39	426.13	23292.75
2	MTPS U# I to III -630 MW	3063.9	91.99%	2818.52	42.874	1208.41	82	79.33	42581.14	37895.48	239.65	67545.83	105441.31	374.10	45206.91
3	CTPS U # I to III-390 MW	1779.97	91.47%	1628.08	42.874	698.02	60	69.75	24051.94	25574.44	250.15	40726.42	66300.86	407.23	28425.83
4	DTPS U# III & IV-350 MW	1678.85	91.88%	1542.54	42.874	661.35	74	87.41	22565.86	24490.96	339.52	52372.78	76863.74	498.29	32954.56
5	MTPS U # IV-210 MW	1055.73	92.25%	973.94	42.874	417.57	82	90.59	20911.87	20302.24	239.65	23340.47	43642.71	448.11	18711.38
6	MTPS U # 5 & 6-500 MW	3109.72	35.75%	1111.77	42.874	476.66	85	92.69	59322.70	22168.11	242.21	26928.18	49096.29	441.61	21049.54
7	CTPS (NEW)-U#7&8-500 MW	2568.1	0.00%	0	42.874	0	85	NA	0	0	0.00	0.00	0.00	0.00	0
8	MTPS U 7 & 8 -1000 MW	4724.03	43.13%	2037.55	42.874	873.58	85	76.17	118208.75	48337.09	208.41	42464.58	90801.67	445.64	38930.31
9	KTPS U I & II - 1000 MW	1391.5	88.04%	1225.11	42.874	525.25	85	71.41	46848.74	37949.44	248.77	30477.06	68426.50	0.00	29337.18
10	KTPS U I & II - 1000 MW (INFIRM)	384.52	100.00%	384.52	42.874	164.86	85	0	0	0	248.77	9565.70	9565.70	248.77	4101.2
11	DSTPS U I & II NEW -1000 MW	4157.23	58.88%	2447.63	42.874	1049.4	85	76.48	130975.09	73248.75	289.99	70978.82	144227.57	589.25	61836.13
12	MHS U # I,II,III-63.2 MW	97.57	74.92%	73.1	42.874	31.34	80	80	3235.23	2423.85	0.00	0.00	2423.85	331.58	1039.2
13	PHS U I & II-80 MW	126.5	74.92%	94.78	42.874	40.64	80	80	2338.65	1752.23	0.00	0.00	1752.23	184.87	751.25
14	THS-4 MW	4.56	75.00%	3.42	42.874	1.47	80	80	830.28	622.71	0.00	0.00	622.71	1820.79	266.98
	Total	25662.47		15615.88		6695.16			513401.84	327095.46		386398.07	713493.53	456.90	305903.22

Certified true Copy

West Bengal Electricity Regulatory Commission





Annexure-2F

Order on APR of DVC for the year 2009-10 to 2013-14

Computation of Power purchase cost for the year 2009 – 2010

Sl. No	Agency	Energy	Fixed Charge	Energy Charge Rate	Energy Charge	Transmission Charge	Fuel & Power Cost Adj.	Total Cost	CTU Grid loss
		MU	Rs. Lakh	Paise/kWh	Rs. lakh	Rs. lakh	Rs. lakh	Rs. lakh	MU
1	NTPC Ltd.								
	a) Talcher (TSTPS)	21.98	123.12	41.10	90.34	54.07	138.33	405.86	0.63
	b) Farakka (FSTPS III)	0.00							
	c) Farakka (FSTPS I)	0.00							
	d) NTPC (KhSTPS-1)	0.00							
	e) NTPC (KhSTPS-2)	0.00							
2	PTC India Ltd.	0.00							
	a) Chukha HEP	189.65	0.00	159.00	3015.44	465.60		3481.03	5.82
	b) Kuruchhu HEP	91.56	0.00	185.00	1693.86	224.76		1918.62	2.82
	c) Tala HEP	184.44	0.00	184.00	3393.70	452.40		3846.10	5.82
3	NHPC Ltd.								
	a) Rangeet HEP	32.13	284.04	79.40	255.11	78.92	55.67	673.74	0.97
	b) Teesta HEP	222.36	1820.47	75.10	1669.92	546.14	917.32	4953.85	6.73
4	WBSEDCL	9.54	0.00	290.20	276.85			276.59	0.27
5	Maithon Power Ltd.	0.00							
6	Power Exchange								
7	Solar (RPO)	0.00							
	a) NTPC(VVNL)	0.00							
	b) NTPC (TALCHER & UNCHAHAR)	0.00							
8	REC								
	Total	751.66	2227.63		10395.22	1821.89	1111.32	15555.79	23.06

Energy After CTU Loss (MU)

728.60

Share of purchase for sale in West Bengal (MU)

303.49

Power purchase cost including transmission cost for sale in WB

A

Rs. lakh

6479.61

Net Unscheduled Interchanges (UI) drawal

B

MU

1625.00

Net Unscheduled Interchanges (UI) Charge Payable

C

Rs. lakh

59755.00

Admissible net Unscheduled Interchanges (UI) drawal for sale in WB

D

MU

607.71

Admissible Unscheduled Interchanges (UI) Charge Payable

E = (C x D)/(B)

Rs. lakh

22346.90

Total Power purchase cost for sale in WB

F = A+E

Rs. lakh

28826.51

Certified true Copy

West Bengal Electricity Regulatory Commission





Annexure-2G

Order on APR of DVC for the year 2009-10 to 2013-14

Computation of Power purchase cost for the year 2010 – 2011

Sl. No	Agency	Energy MU	Fixed Charge Rs. Lakh	Energy Charge Rate Paise/kWh	Energy Charge Rs. lakh	Transmission Charge Rs. lakh	Fuel & Power Cost Adj. Rs. lakh	Total Cost Rs. lakh	CTU Grid loss MU
1	NTPC Ltd.								
	a) Talcher (TSTPS)	21.59	123.23	163.73	353.49	78.10	64.12	619.00	0.59
	b) Farakka (FSTPS III)								
	c) Farakka (FSTPS I)								
	d) NTPC (KhSTPS-1)								
	e) NTPC (KhSTPS-2)								
2	PTC India Ltd.								
	a) Chukha HEP	190.71	0.00	159.00	3032.29	689.71	0.00	3721.98	5.24
	b) Kuruchhu HEP	85.86	0.00	185.00	1588.41	310.52	0.00	1898.96	2.36
	c) Tala HEP	198.16	0.00	184.00	3646.14	716.66	0.00	4362.79	5.45
3	NHPC Ltd.								
	a) Rangeet HEP	34.04	289.03	79.26	269.80	123.11	154.39	836.35	0.94
	b) Teesta HEP	223.97	1735.12	74.85	1676.42	810.00	1466.48	5688.13	6.16
4	WBSEDCL								
5	Maithon Power Ltd.								
6	Power Exchange								
7	Solar (RPO)								
	a) NTPC(VVNL)								
	b) NTPC (TALCHER & UNCHAHAAR)								
8	REC								
	Total	754.33	2147.38		10566.5526	2728.1		17127.21	20.74

Energy After CTU Loss (MU)

733.59

Share of purchase for sale in West Bengal (MU)

297.35

Power purchase cost including transmission cost for sale in WB

A

Rs. lakh

6942.22

Net Unscheduled Interchanges (UI) drawal

B

MU

1781.98

Net Unscheduled Interchanges (UI) Charge Payable

C

Rs. lakh

42878.00

Admissible net Unscheduled Interchanges (UI) drawal for sale in WB

D

MU

607.71

Admissible Unscheduled Interchanges (UI) Charge Payable

$E = (C \times D)/(B)$

Rs. lakh

14622.72

Total Power purchase cost for sale in WB

$F = A+E$

Rs. lakh

21564.94

Certified true Copy

West Bengal Electricity Regulatory Commission





Annexure-2H

Order on APR of DVC for the year 2009-10 to 2013-14

Computation of Power purchase cost for the year 2011 – 2012

Sl. No	Agency	Energy	Fixed Charge	Energy Charge Rate	Energy Charge	Transmission Charge	Fuel & Power Cost Adj.	Total Cost	CTU Grid loss
		MU	Rs. Lakh	Paise/kWh	Rs. lakh	Rs. lakh	Rs. lakh	Rs. lakh	MU
1	NTPC Ltd.								
	a) Talcher (TSTPS)	20.58	164.88	204.70	421.27	265.06	404.92	1256.12	0.34
	b) Farakka (FSTPS III)								
	c) Farakka (FSTPS I)								
	d) NTPC (KhSTPS-1)								
	e) NTPC (KhSTPS-2)								
2	PTC India Ltd.								
	a) Chukha HEP	177.76	0.00	159.00	2826.38	2290.85	0.00	5117.31	2.84
	b) Kuruchhu HEP	77.05	0.00	185.00	1425.43	991.48	0.00	2416.89	1.34
	c) Tala HEP	188.73	0.00	184.95	3490.56	2433.07	0.00	5923.67	2.94
3	NHPC Ltd.								
	a) Rangeet HEP	34.12	989.33	289.97	989.38	439.63	0.00	2418.29	0.55
	b) Teesta HEP	218.30	4243.25	194.37	4243.10	2810.45	0.00	11296.95	3.70
4	WBSEDCL								
5	Maithon Power Ltd.	543.14	7847.19	165.25	8975.39	1157.30	0.00	17979.89	7.71
6	Power Exchange	23.32	0.00	232.75	542.77	0.00	0.00	542.82	0.00
7	Solar (RPO)								
	a) NTPC(VVNL)								
	b) NTPC (TALCHER & UNCHAHAR)								
8	REC								
	Total	1283.00	13244.65		22914.28	10387.84		46951.94	19.42

Energy After CTU Loss (MU)

1263.58

Share of purchase for sale in West Bengal (MU)

519.79

Power purchase cost including transmission cost for sale in WB

A

Rs. lakh

19314.12

Net Unscheduled Interchanges (UI) drawal

B

MU

684.53

Net Unscheduled Interchanges (UI) Charge Payable

C

Rs. lakh

21216.19

Admissible net Unscheduled Interchanges (UI) drawal for sale in WB

D

MU

6.19

Admissible Unscheduled Interchanges (UI) Charge Payable

$E = (C \times D)/(B)$

Rs. lakh

191.85

Total Power purchase cost for sale in WB

$F = A+E$

Rs. lakh

19505.97

West Bengal Electricity Regulatory Commission

Certified true Copy





Annexure-2J

Order on APR of DVC for the year 2009-10 to 2013-14

Computation of Power purchase cost for the year 2013 – 2014

Sl. No	Agency	Energy	Fixed Charge	Energy Charge Rate	Energy Charge	Transmission Charge	Fuel & Power Cost Adj.	Total Cost	CTU Grid loss
		MU	Rs. Lakh	Paise/kWh	Rs. lakh	Rs. lakh	Rs. lakh	Rs. lakh	MU
1	NTPC Ltd.								
	a) Talcher (TSTPS)	33.60	284.53	198.15	665.79	166.14	4.27	1169.20	0.60
	b) Farakka (FSTPS III)	222.86	4044.21	280.69	6255.40	1102.06	1422.22	12823.89	3.68
	c) Farakka (FSTPS I)	22.42	194.34	276.09	618.99	110.88	56.13	980.34	0.40
	d) NTPC (KhSTPS-1)	11.68	115.84	267.15	312.03	57.77	9.07	494.71	0.21
	e) NTPC (KhSTPS-2)	20.34	235.80	115.93	494.16	100.57	13.47	844.01	0.36
2	PTC India Ltd.								
	a) Chukha HEP	188.02	0.00	159.69	3002.40	929.76	476.97	4409.13	4.12
	b) Kuruchhu HEP	74.07	0.00	203.00	1503.62	366.28	-5.74	1864.18	1.62
	c) Tala HEP	200.51	0.00	202.00	4050.38	991.54	-6.15	5035.77	4.395
3	NHPC Ltd.								
	a) Rangeet HEP	34.62	533.97	143.72	497.56	171.21	119.08	1321.83	0.74
	b) Teesta HEP	196.39	2463.77	131.91	2590.65	971.14	2789.16	8814.73	4.17
4	WBSEDCL								
5	Maithon Power Ltd.	1204.83	29156.99	214.64	25860.47	5957.87	-3.13	60972.01	25.95
6	Power Exchange								
7	Solar (RPO)								
	a) NTPC(VVNL)	18.35	0.00	1056.06	1937.87	0.00	12.85	1950.71	0.68
	b) NTPC (TALCHER & UNCHAHAR)	0.001513	0.00	935.00	0.14	0.00	20.00	20.14	0.00
8	REC							49.98	
	Total	2227.70	37029.45		47789.47	10925.22		100750.63	46.93

Energy After CTU Loss

Share of purchase for sale in West Bengal

Admissible energy drawal through Unscheduled Interchanges (UI)

Admissible power purchase to supply consumer and Licensees in WB

Total cost of power purchase for sale in West Bengal

A	MU	2180.77
B	MU	934.97
C	MU	-211.38
D=B+C	MU	723.59
E=Total Cost x D / A	Rs lakh	33429.54

Certified true Copy

West Bengal Electricity Regulatory Commission





CHAPTER – 3 AMOUNT ADJUSTABLE ON ANNUAL PERFORMANCE REVIEW

3.1 As shown in the previous chapter, the different allowable charges separately for each year for the period from 2009-10 to 2013-14 of the generating stations of DVC as well as for its distribution functions including retail selling activities are summarized as under:

Rs. In Lakh

Item	As admitted by the Commission				
	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Power Purchase Cost	28826.51	21564.94	19505.97	38783.77	33429.54
Generation cost	140539.87	151521.79	201344.06	245195.84	305903.22
Cess on Generation	112.74	105.17	72.17	83.60	58.73
Transmission and distribution cost	16058.21	16779.21	18029.93	21250.94	21792.86
Interest on Working capital	635.62	475.51	412.55	907.54	887.55
Interest on security deposit payable to West Bengal consumers	0	0	95.93	76.01	37.69
Interest on Temporary Accommodation	0.00	0.00	0.00	0.00	0.00
Diff petition filing charges to regulators and publication fees	48.39	51.48	119.94	190.11	224.35
Legal Charges	34.80	35.12	51.71	56.48	57.74
Rebate on sale of Power	213.35	123.62	480.12	673.60	1406.18
Gross Total	186469.49	190656.84	240112.38	307217.89	363797.86
Less: Non-tariff income	78.73	309.27	1174.02	1361.04	891.35
Net ARR for sale to consumers and Licensees in West Bengal	186390.76	190347.57	238938.36	305856.85	362906.51

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

3.2 Prior to tariff order of the Commission dated 24.08.2015, the consumers and other licensees (WBSEDCL and IPCL) of DVC in its command area were first billed as per the DVC's own prevalent two part tariff (for the period April 2009 to April 2010) and single part tariff derived from CERC orders in terms of APTEL Order dated 10.05.2010 (for the period from May 2010 to March 2014). The bills to the consumers are revised by DVC as per tariff order of the Commission dated 19.03.2020 for the years 2009 – 2010 to 2012 – 2013 and as per tariff order dated 24.08.2015 for the year 2013 – 2014 [Sl. No-2 of below table]. In the Order dated 01.03.2019 in Case No. OA-272/ 18 – 19 and Order dated 01.03.2019 in Case No. OA-273/ 18 – 19, the Commission decided that DVC's sale of power to other licensees WBSEDCL and IPCL on radial mode cannot be treated as sale of power by a generating company to a consumer and both the parties are at liberty to settle the issues as per the provisions of law now in force. The appeals of DVC to APTEL against the above mentioned orders being Appeal Nos. 190 of 2019 and 216 of 2019 are pending before the Appellate Tribunal. In absence of any bilateral settlement between DVC and WBSEDCL as well as DVC and IPCL, the old bill to the respective licensees as per the prevalent tariff for the period prior to Order of the Commission dated 24.08.2015 have been claimed and considered by the Commission [Sl. No-3 and 4 of below table for WBSEDCL and IPCL respectively]. Accordingly, year wise revenue gap for the consumers of DVC in the state of West Bengal area are shown for the period from 2009-10 to 2013-14 as follows:

Rs. In Lakh

ACCUMULATED REVENUE GAP OF DVC IN THE COMMAND AREA IN WEST BENGAL FOR THE YEARS 2009 – 2010 TO 2013 – 2014						
Sl. No.	Particulars	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
1	Total revenue to be recovered through tariff	186390.76	190347.57	238938.36	305856.85	362906.51
2	Revised Revenue Billed to the Consumers other than Licensees as per Order dtd	142742.75	156514.16	214812.66	258375.93	269519.74

West Bengal Electricity Regulatory Commission

43

Certified true Copy





Order on APR of DVC for the year 2009-10 to 2013-14

	24.08.15 and 19.03.2020					
3	Old Revenue Billed to WBSEDCL (prior to Order dt 24.08.2015)	20961.83	17307.53	18439.02	20228.92	22314.17
4	Old Revenue Billed to IPCL (prior to Order dt 24.08.2015)	24672.12	21068.5	26352.51	31487.8	34276.49
5	Revenue Gap/ Surplus [1 - 2 - 3 - 4]	-1985.94	-4542.62	-20665.83	-4235.8	36796.11
6	Accumulated Revenue gap during the period 2009 - 2010 to 2013 - 2014	5365.92				

3.3 In terms of regulation 2.6.6 of the Tariff Regulations, the entire recoverable amount of Rs. 5365.92 lakh or a part thereof shall be adjusted with the amount of Aggregate Revenue Requirement for the year 2017 - 2018.


3.4 DVC is to take note of this order.

Sd/-
(PULAK KUMAR TEWARI)
MEMBER

Sd/-
(DURGADAS GOSWAMI)
MEMBER

Sd/-
(SUTIRTHA BHATTACHARYA)
CHAIRPERSON

DATED: 31.05.2021


(Smt. M. GUHA ROY)
SECRETARY



Certified true Copy