



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

64AB 584812

**BEFORE THE HONOURABLE WEST BENGAL
ELECTRICITY REGULATORY COMMISSION, KOLKATA**



File No. _____

Case No. _____

IN THE MATTER OF:

Fuel and Power Purchase Cost Adjustment (FPPCA) of West Bengal State Electricity Distribution Company Limited (WBSEDCL) for the year 2020-21 as per regulations 2.8.7 and 5.8 and Schedule-7A of West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 as amended.

And

IN THE MATTER OF:

West Bengal State Electricity Distribution Company Limited, Vidyut Bhawan, Block DJ, Sector – II, Bidhannagar, Kolkata – 700 091.

ATTESTED
S. CHAUDHURI
* NOTARY *
GOVT. OF INDIA
Regd. No.-6584/08
Bidhannagar Court
Dist.-North 24 Pgs.

08 JUN 2022

Sudipta Mukhopadhyay
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

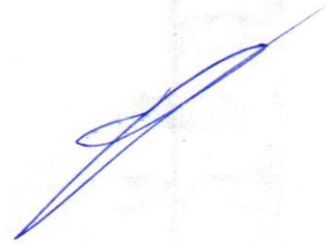
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W.B.S.E.D.C.L.
Vidyut Bhawan, Salt Lake
Kolkata - 700 091

NAME.....
A/C.....
Rs.....
29 DEC 2021
S. CHATTERJEE
Licensed Stamp Vendor
C. C. Court
2 & 3, K. S. Roy Road, Kol-1

29 DEC 2021

29 DEC 2021



(Chief Engineer, Distribution)
& District Engineer, Kolkata

SL. NO. 225/2022

BEFORE THE NOTARY PUBLIC
AT BIDHANNAGAR
DIST.-NORTH 24 PARGANAS



AFFIDAVIT

I, Sri Sudipta Mukhopadhyay, son of Late Deb Kumar Mukhopadhyay, aged 58 years by faith Hindu residing at 2 Kundan Bye Lane, Liluah Howrah – 711204 do hereby solemnly affirm and declare as follows:

1. That I am the Chief Engineer (Regulation) of the West Bengal State Electricity Distribution Company Limited and have been acquainted with the fact and circumstances narrated in the application in respect of which the affidavit is sworn.
2. I have been authorized to swear this affidavit on behalf of West Bengal State Electricity Distribution Company Limited as I am competent to do so.
3. The statements made in paragraphs 1 to 21 with Annexure - I to IV are true to my knowledge and belief and the statement made in other paragraphs of the application are matters of records made available to me and based on information received which I believe to be true and correct.

Place: Kolkata


Date: 08/06/2022

Deponent

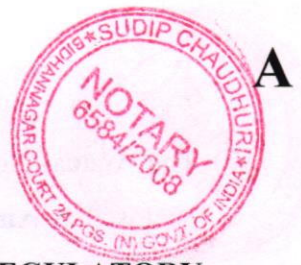
Sudipta Mukhopadhyay
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Identified by me
Manoj Basu
Advocate

MANOJ BASU
Advocate
Enrolment No.-F-247/2006
Bidhan Nagar Court
Kolkata-700091


ATTESTED
S. CHAUDHURI
NOTARY
GOVT. OF INDIA
Regd. No.-6584/08
Bidhannagar Court
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08 JUN 2022



**BEFORE THE HON'BLE WEST BENGAL ELECTRICITY REGULATORY
COMMISSION**

Filing No.

Case No.

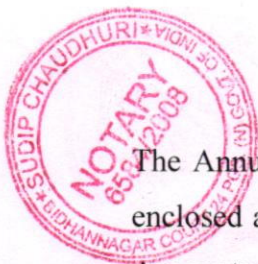
In the matter of : **Fuel and Power Purchase Cost Adjustment (FPPCA) of
West Bengal State Electricity Distribution Company
Limited (WBSEDCL) for the year 2020-21 as per
regulations 2.8.7 and 5.8 and Schedule-7A of West Bengal
Electricity Regulatory Commission (Terms and Conditions
of Tariff) Regulations, 2011 as amended.**

AND

In the matter of : **West Bengal State Electricity Distribution Company
Limited,
Bidyut Bhawan, Block – DJ, Sector-II, Bidhannagar,
Kolkata – 700 091**

Respectfully Sheweth:

1. That the petitioner herein the West Bengal State Electricity Distribution Company Limited (hereinafter to be referred as “WBSEDCL”) is a Distribution Licensee under Electricity Act, 2003 and engaged in the business of generation, distribution and supply of electricity.
2. That this application is being filed in terms of regulations 2.8.7 and 5.8 of West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 as amended (hereinafter to be referred as “Tariff Regulations 2011”).
3. That Hon'ble West Bengal Electricity Regulatory Commission (hereinafter to be referred as “Commission”) has passed Tariff Order of WBSEDCL for the year 2020-21 on 28/03/2022. Based on admitted power purchase and fuel cost of the above Tariff Order, Fuel and Power Purchase Cost Adjustment (in short “FPPCA”) application is now being filed.
4. That The Annual Report and Annual Accounts for the year 2020-21 of WBSEDCL (in short “Annual Accounts”) is finalized and duly audited by the statutory auditor which has been duly passed in the meeting of the Board of Directors on 15.09.2021



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The Annual Accounts is enclosed as **Appendix-I**. Certificate of the Chartered Accountant is enclosed as **Annexure-IA** wherein break-up of power purchase cost (agency-wise) of Annual Accounts in respect of different sources / power stations are given segregating the Transmission charge / Open access charge. Transmission charge / Open access charge will be claimed in the APR application for 2020-21.

5. That to compute the Fuel and Power Purchase Cost (FPPC) for the year 2020-21, the power purchase cost, fuel cost and sale to person other than consumers and licensees are considered as per Annual Accounts of WBSEDCL for the year 2020-21.
6. That in terms of regulation. 2.8.7 of Tariff Regulations 2011, the FPPC admissible under the process of Fuel and Power Purchase Cost Adjustment in respect of WBSEDCL has been worked out for the year 2020-21 as per the relevant formula for Fuel and Power Purchase Cost Adjustment (FPPCA) for licensee specified in Schedule-7A of Tariff Regulations 2011 as amended.
7. That power purchase cost in respect of WBSEDCL for purchase of power from different power supply agencies during the year 2020-21 is discussed hereunder :

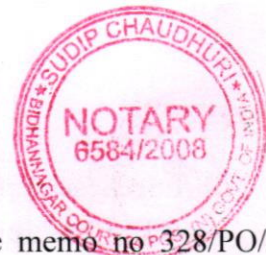
a) Purchase of power from Damodar Valley Corporation (DVC) :

WBSEDCL purchased power from DVC in radial mode in different off-take points at 132 KV&33 KV for power supply to consumers during the year 2020-21. WBSEDCL had also purchased power through grid from Mejia Thermal Power Station (Unit V) [In short "Mejia V"] and Raghunathpur Thermal Power Station [In short "RTPS"] of DVC during the year 2020-21 at the rate determined by Central Electricity Regulatory Commission (hereinafter to be referred as "CERC").

Purchase of energy and associated costs from DVC during the year 2020-21 are given below:

Name of the Power Station	Energy MKWH	Costs Rs. Lakhs
Radial	485.641	21913
Mejia TPS (V)	99.791	7731
RTPS	700.668	44655
DVC Total	1286.100	74299

Refer the Certificate of the Chartered Accountant enclosed as Annexure-IA for the above break up of power purchase cost of Annual Accounts in respect of DVC.

**A****b) Purchase of power from Durgapur Projects Limited (DPL):**

As per Government order dated 26.12.2018 and 31.12.2018 vide memo no 328/PO/O/C-IV/1E-60/13(Pt-VA) and 333-PO/O/C-IV/1E-60/13(Pt-VIII) respectively the entire distribution business and activities undertaken by erstwhile DPL along with all associated assets and liabilities was transferred to WBSEDCL with effect from 01.01.2019. WBSEDCL purchased power from unit 7 and unit 8 of the Thermal Power Station of DPL during the year 2020-21 as per Tariff Order for the 2019-20 dated 13.11.2020 i.r.o DPL.

Purchase of energy from DPL and the associated cost thereof during the year 2020-21 are given hereunder:

Name of the Power Station	Energy MKWH	Costs Rs. Lakhs
DPL(unit 7 &8)	2480.407	115953
DPL Total	2480.407	115953

Refer the Certificate of the Chartered Accountant enclosed as Annexure-IA for the above break up of power purchase cost of Annual Accounts in respect of DPL.

c) Purchase of power from West Bengal Power Development Corporation Ltd (WBPDCCL):

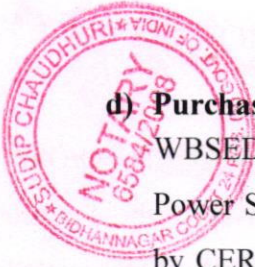
WBSEDCL had purchased power from all the Thermal Power Stations (TPS) of WBPDCCL at Bandel, Kolaghat, Sagardighi, Bakreswar and Santaldih during the year 2020-21 at the rate determined by WBERC for the year 2017-18. The energy purchased by WBSEDCL from different power stations of WBPDCCL during the year 2020-21 and the associated cost as per Annual Accounts of WBSEDCL for the year 2020-21 are given hereunder:

Name of the Power Station	Energy MKWH	Costs Rs. Lakhs
Kolaghat TPS(KTPS)	1518.973	92061
Bakreswar TPS (Stg-I)	4183.047	165694
Bakreswar TPS(Stg-II)	3020.475	118122
Bandel TPS(BTPS)	1051.404	50023
Santaldih TPS(STPS)	3154.565	136590
Sagardighi TPS(Stg-I)	2339.241	85448
Sagardighi TPS(Stg-II)	6579.769	270625
WBPDCCL Total	21847.474	918563

Refer the Certificate of the Chartered Accountant enclosed as Annexure-IA for the above break up of power purchase cost of Annual Accounts in respect of WBPDCCL.

Sudip Chaudhuri

Chief Engineer (Regulation)
Regulation Department
WBSEDCL



d) Purchase of power from NTPC Limited (NTPC):

WBSEDCL purchased power from Farakka, Kahelgaon, Talcher, Darlipalli Super Thermal Power Station (in short "STPS") of NTPC during the year 2020-21 at the rate determined by CERC. The purchase of energy by WBSEDCL from NTPC's different power stations during the year 2020-21 along with the associated costs are given hereunder:

Name of the Power Station	Energy MKWH	Costs Rs. Lakhs
Farakka STPS StgI	2270.687	94634
Farakka STPS Stg III	1086.194	48829
Talcher STPS	646.119	19316
Kahelgaon Stage1STPS	284.495	9707
Darlipalli STPS	811.142	26944
NTPC Total	5098.638	199430

Refer the Certificate of the Chartered Accountant enclosed as Annexure-IA for the above break up of power purchase cost of Annual Accounts in respect of NTPC.

e) Purchase of power from NHPC Limited (NHPC):

During the year 2020-21, WBSEDCL had purchased hydro power from NHPC (Rangit HEP, Teesta-V HEP, TLDP III and TLDP IV).

The purchase of energy by WBSEDCL from NHPC (Rangit HEP, Teesta-V HEP, TLDP III and TLDP IV) during the year 2020-21 along with the associated costs are given hereunder:

Name of the Power Station	Energy MKWH	Costs Rs. Lakhs
Teesta V HEP	657.540	15756
Rangit HEP	79.670	4743
Teesta Lower Dam Project III HEP	536.832	29827
Teesta Lower Dam Project IV HEP	704.441	34863
NHPC Total	1978.483	85189

Refer the Certificate of the Chartered Accountant enclosed as Annexure-IA for the above break up of power purchase cost of Annual Accounts in respect of NHPC.

f) Purchase of power through PTC India Ltd.(PTC):

During the year 2020-21, WBSEDCL had purchased power from different Hydel Power Station (in short "HEP") viz. Chukha HEP, Kurichhu HEP, Tala HEP and Baglihar HEP. WBSEDCL had also purchased thermal power from Adhunik Power, Jhabua, Jaiprakash and hydro power from Mangdechhu through PTC.

Sudipta Chaudhuri
Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL

The purchase of energy during the year 2020-21 by WBSEDCL through PTC from Chukha HEP, Kurichhu HEP, Tala HEP, Baglihar (SPDC) HEP, Adhunik Power, Jhabua, Jaiprakash and Mangdechhu and the associated costs are given hereunder:

Name of the Power Station	Energy MKWH	Costs Rs. Lakhs
Chukha HEP	663.372	16088
Kurichhu HEP	46.696	1025
Tala HEP	1297.276	28371
SPDC	592.751	22171
Adhunik	572.697	29012
Jhabua	494.435	21248
Jaiprakash(JP Nlgrie)	489.121	21020
Mangdechhu	1025.612	43213
PTC Total	5181.960	182148

Refer the Certificate of the Chartered Accountant enclosed as Annexure-IA for the above break up of power purchase cost of Annual Accounts in respect of PTC.

g) Purchase of power through Tata Power Trading Company Ltd (TPTCL):

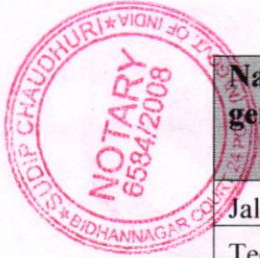
During the year 2020-21, WBSEDCL had purchased thermal power from Maithon Right Bank Thermal Power Station (in short "MRBTPS") through TPTCL. WBSEDCL has also purchase hydro power from Dagachhu HEP through medium –term contact.

The purchase of energy during the year 2020-21 by WBSEDCL through TPTCL from MRBTPS and Dagachhu HEP of Bhutan and the associated costs are given hereunder:

Name of the Power Station	Energy MKWH	Costs Rs. Lakhs
Maithon Power Limited	1555.202	71416
Dagachhu	582.676	21016
TPTCL Total	2137.879	92432

Refer the Certificate of the Chartered Accountant enclosed as Annexure-IA for the above break up of power purchase cost of Annual Accounts in respect of TPTCL.

- h) Co-generation/Renewable Sources of Energy:** To meet RPO requirement, the generation of the mini/micro hydel generating stations, treated as renewable sources of energy, of WBSEDCL for the year 2020-21 is as follows:



Name of the Mini/Micro generating station	Injection Voltage	Gross Generation in MU	Aux. Consumption in MU	Net Generation in MU
Jaldhaka Hydel PS Stg-II	EHV	24.720	0.247	24.473
Teesta Canal Fall, Hydel PS-I	EHV	11.016	0.110	10.906
Teesta Canal Fall, Hydel PS-II	EHV	10.126	0.101	10.025
Teesta Canal Fall, Hydel PS-III	EHV	9.543	0.095	9.448
Richington Hydel PS	HV	4.171	0.042	4.129
Little Rangit Hydel PS	HV	6.520	0.065	6.455
Mangpoo Kalikhola Hydel PS	HV	5.128	0.051	5.077
Sidrabong Hydel PS	HV	0.214	0.002	0.212
Messanjore Hydel PS	HV	11.018	0.110	10.908
Fazi Hydel PS	HV	4.109	0.041	4.068
Total Mini/Micro Hydel Generation:		86.565	0.866	85.699

Besides own generation of WBSEDCL from the above stated mini hydel power stations, WBSEDCL had also purchased following quantum of power from different co-generation / Renewable sources during the year 2020-21. The quantum of energy purchased by WBSEDCL from different co-generation / Renewable sources of energy during the year 2020-21 along with the associated cost are given hereunder:

Name of the Renewable & Non-conventional agencies	Energy	Cost
	(MKWH)	(Rs.Lakhs)
Electro Steel Casting Limited	23.564	596
Neora Hydro Limited	8.197	295
Nippon Power Limited	11.140	401
Himadri Chemicals & Industries Ltd	32.106	1072
Shree Renuka Sugars Ltd.	15.783	434
Rashmi Ispat	7.611	169
Reshmi Cements Ltd	20.996	428
Bengal Energy Limited	187.092	5744
Concast Bengal Ind. Ltd.	2.111	67
NVVN (Bundle Power with 69.154 MU Solar Power)	325.086	17902
Solitaire Industries	6.617	762
Total :	640.303	27870

In this context, this is to state that Concast Bengal Ind. Ltd could not supply power from their generating stations as per contracted quantum.

Sudipta Chaudhuri
 Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL

WBSEDCL had also invited bid repeatedly to procure power Co-generation / Renewable sources within the cap price fixed by the Commission to meet the RPO target, but failed to get bidder for required quantum of power from Co-generation / Renewable sources which is intimated to the Commission time to time.

i) Purchase of short term power through traders and power exchanges:

Following the regulatory process, WBSEDCL purchased power from conventional sources on short term basis through traders and through power exchanges during the year 2020-21, as and when basis, to meet power shortage.

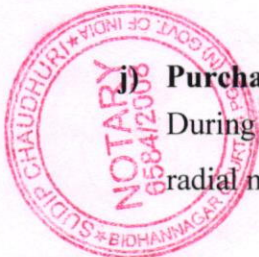
To keep un-interrupted power supply, short term power was purchased time to time during the period of outage of generating unit or increase of system demand with respect to generation availability during festival and pre-examination period, at the time of Madhyamik, Higher Secondary/ ISC/ CBSE examination, period or any other time during the year 2020-21.

Quantum of short term power purchased through traders and power exchanges during the year 2020-21 by WBSEDCL along with the associated cost are stated hereunder.

Name of the Traders / power exchanges from which short term power purchased	Energy MKWH	Costs Rs. Lakhs
Damodar Valley Corporation (DVC)	10.546	662
Power Exchange India Ltd. (PXIL)	9.041	266
Indian Energy Exchange Ltd. (IEX)	511.348	12430
Total	530.935	13358

Refer the Certificate of the Chartered Accountant enclosed as Annexure-IA for the above break up of short term power purchase cost of Annual Accounts.

Further, Rs.5978 lakh were paid as Short term Open Access charge for purchase of above stated short term power in 2020-21. This amount has not been considered in this application for FPPCA for the year 2020-21 as such cost / charge will be considered in the application for Annual Performance Review (in short "APR") for the year 2020-21 as it is transmission charge in nature and a fixed cost item as per Tariff Regulations 2011 as amended.



j) Purchase of power from CESC Ltd. :

During the year 2020-21 the quantum of energy drawn by WBSEDCL from CESC Ltd. on radial mode along with associated cost are given hereunder:

Energy MKWH	Costs Rs. Lakhs
12.992	850

k) Purchase of power from Assam Power :

During the year 2020-21 the quantum of energy drawn by WBSEDCL from Assam on radial mode to meet power requirement of the border area of the state are given hereunder along with associated cost:

Energy MKWH	Costs Rs. Lakhs
0.706	64

l) Purchase of power from JBVNL :

During the year 2020-21 the quantum of energy drawn by WBSEDCL from JBVNL on radial mode to meet power requirement of the border area of the state are given hereunder along with associated cost::

Energy MKWH	Costs Rs. Lakhs
0.074	10

m) Purchase of power from Kanti Bijli Utpadan Nigam Limited (KBUNL):

During the year 2020-21, the quantum of energy drawn by WBSEDCL from KBUNL along with associated cost are given hereunder:

Energy MKWH	Costs Rs. Lakhs
140.627	11249

Purchase of power from HMEL :

n) Purchase of power from HMEL :

During the year 2020-21 the quantum of energy drawn by WBSEDCL from HMEL along with associated cost are given hereunder:

Sudipti Mukherjee
Chief Engineer (Regulation)
Regulation Department
WBSEDCL



Energy MKWH	Costs Rs. Lakhs
392.428	23093

8. Deviation Settlement Mechanism (DSM):

During the year 2020-21 WBSEDCL has drawn more power in some periods than the scheduled drawal due to variation of demand and generation availability. The quantum of power drawn under Deviation Settlement mechanism along-with associated cost are given hereunder:

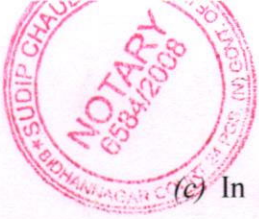
Energy MKWH	Costs Rs. Lakhs
623.851	14572

9. WBSEDCL's liability on account of purchase of power from different power supply agencies during the year 2020-21 have been indicated in **Annexure-I**.

10. Power Purchase Cost against Energy Sold to Other than Licensee & Consumer :-

As per direction of Hon'ble WBERC vide order dated 29/09/2021, necessary details with relevant data and justification are detailed below:

- The inherent nature of electricity business that power demand of the different categories of the consumer are different and it varies within different period of the day (morning to night) and season and also year-wise depending on economic activity. During power surplus situation when consumer demand is low, WBSEDCL is compelled to balance the demand and availability to maintain grid discipline either by back down the generation or sell surplus power to the persons other than its own consumer and licensees and/or banking of power
- In the para 5.10.6 of Tariff order for the year 2020-21 and 2021-22 the Hon'ble Commission has penned its observation : *"From the LGBR, it is observed that there is considerable surplus throughout the day even during the peak hours. The major reason is the already entered long-term PPA by WBSEDCL in the recent years, when generation from WBPDCCL was low due to poor availability of coal. Now, with operationalisation of integrated coal mine of WBPDCCL coupled with proposed short-term RE purchase, there has been a considerable surplus throughout the day."*



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(c) In the para 5.12 the Hon'ble Commission directed WBSEDCL: *"WBSEDCL shall take appropriate initiatives to sell such power to others or back down some generation as per the conditions of merit order despatch"*

(d) The sale of surplus power has been done keeping in mind the maximum benefit of WBSEDCL's consumers and thus such sale is done where recovery of full fuel cost (variable cost) of generation along with part of fixed cost (capacity charge) of power purchase is ensured since such burden of capacity charge of power station is any case payable by Discom (i.e consumers) as per regulation in case of declaring availability by generators. In this consequence it is worth to mention that WBSEDCL had no committed sale to the person other than licensee and consumers during FY 2020-21.

In above situation, financial impact of capacity charge of long-term power on consumers is found to be Rs 574410 for the year 2020-21, if the surplus power is not sold to the persons other than its own consumer and licensees and saving of energy charge on back down of long term power for the year 2020-21 comes to Rs 67781 Lakhs (2735.195 MU x 247.81 P/Kwh). To reduce the capacity charge burden of the consumers, WBSEDCL has sold the surplus power to the persons other than its own consumer and licensees instead of generation back down & thereby capacity charge burden of the consumers is reduced by Rs 9617 lakhs in 2020-21 due to gain sharing after full recovery of variable cost Rs 67781 Lakhs.

Hence proportionate power cost i.r.o sale of surplus power to the persons other than its own consumer and licensees is calculated considering variable cost of Long term power to share part of fixed cost to consumers from such sale as per Form 1.24 of APR application. Variable cost of long term power is duly certified by statutory auditors and enclosed as Annexure-IC.

Month wise energy sold to other than Licensee & Consumer in enclosed as Annexure-ID

For the year 2020-21, quantum of energy sold to other than licensee and consumer along with proportionate power cost and associated cost are given here under

Energy (MKWH)	Proportionate power purchase cost @ 247.81 Paise/Kwh (Rs.Lakhs)
2735.195	67781

11. Timely Payment Rebate and Covid Rebate: Rebate for timely payment of Power Purchase bills & Covid rebate for the year 2020-21 is 7024 Lakhs. Covid Rebate on Power Purchase

bills as received from different agencies for the year 2020-21 is Rs 4948 Lakhs, as have been shown in Note No.34 , Appendix-I .

12. For computation of actual energy available, energy surrendered (out) under Deviation Settlement mechanism, grid loss in Central Transmission Utility (in short "CTU") system and State Transmission Utility (in short "STU") system for import of power from the above generating stations have also been deducted from scheduled drawal. The grid loss in CTU system for purchase of power from central sector generating stations for the year 2020-21 was 363.640 MU as per % loss declared for CTU system by National Load Dispatch Centre (in short "NLDC"). Energy surrendered (out) under Deviation Settlement mechanisms computed by SLDC for the year 2020-21 was 268.849 MU whereas STU loss in the system is considered at normative level of 3.4% on grid power.
13. During the year 2020-21 actual sent-out generation from own generation stations of WBSEDCL has become 1867.859 MU which has been considered in the computation of FPPCA for the year 2020-21. The station-wise generation of WBSEDCL is given below:

Name of the generating station	Injection Voltage	Gross Generation in MU	Aux. Consumption in MU	Net Generation in MU	Remarks
Rammam Hydel PS	EHV	254.690	2.547	252.143	
Jaldhaka Hydel PSI	EHV	176.668	1.767	174.901	
Total Mini/Micro Hydel Generation:	EHV/HV	86.565	0.866	85.699	Refer para. 7 (h)
Total Hydel Generation:		517.924	5.179	512.745	
Purulia Pumped Storage Project (PPSP)	EHV	1306.444	22.210	1284.234	
Rudranagar Diesel PS	HV	0.000	0.00	0.000	
Solar Project	HV	70.880	0.00	70.880	
Total :		1,895.248	27.389	1,867.859	

14. Pumping energy for Purulia Pumped Storage Project (in short "PPSP"): The gross generation of PPSP in the year 2020-21 was 1306.444 MU. Considering the normative cycle efficiency of PPSP at 74%, the energy required for pumping at PPSP during the year 2020-21 was 1765.465 MU [1306.444/ 0.74].

Considering normative transmission loss @ 3.4% as per Tariff Regulations 2011, as amended, the input energy for pumping power of PPSP for the year 2020-21 becomes 1827.603 MU and the same is considered in this FPPCA application for energy balance for the year 2020-21.

15. The energy balance based on actual power purchase, own sent out generation and sale of energy in respect of WBSEDCL for the year 2020-21 is given below which has been considered in the computation of FPPCA for the year 2020-21.

Energy Balance			
SI No	Particulars	2020-21	Remarks
		Energy in MU	
1	Own sent out at EHV	1766.131	
2	Gross purchase at EHV	41229.594	
3	Power Swap in at EHV	0.000	
4	Power drawal under UI	623.851	
5	CTU Grid loss	-363.640	
6	Energy Available at EHV (1+2+3+4-5)	43255.936	
7	Normative STU Transmission Loss	1470.702	
8	Sale to licensee inclusive transmission loss	49.674	
9	PPSP pumping power from EHV inclusive transmission loss	1827.603	Refer para 14 on pumping energy for PPSP
10	Energy sale to other than licensee and consumer in MU inclusive transmission loss	2735.195	
11	Swap Power out	0.000	
12	Power Out under UI inclusive transmission loss	268.849	
13	Own sent out at 33 KV and Below	101.729	Net own sent out (1766.131+101.729)=1867.859MU
14	Gross purchase at 33 KV and Below	499.412	
15	Energy Received for wheeling at 33 KV	134.697	
16	Energy available at WBSEDCL System (16=6-7-8-9-10-11-12+13+14+15)	37639.751	
17	Unit wheeled in MU (including addl. Unit allowed)	134.697	
18	Energy sale to own consumer & DPSC in MU	29568.650	Including 12.950MU sale to DPSC from Distribution system
19	Own consumption by WBSEDCL	72.000	
20	Un-utilized Units	7864.404	

16. Actual purchase of power by WBSEDCL for sale to own consumer and licensee during the year 2020-21 has been given in the **Annexure-II**.

17. Power Purchase bill related to Prior Period:

- i.) DVC has raised bills on account of revision of Energy Charge Rate and arrear ERLDC charges. Finally Rs.24 Lakhs becomes payable/paid during the year 2020-21 by WBSEDCL to DVC on account of prior period.

Sudipta Mukhopadhyay
Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL

- ii.) NTPC Limited has raised bills and credit notes on account of revision of energy charge rate in the year 2020-21 for prior period. Finally, Rs. 18005 Lakhs becomes payable/paid during the year 2020-21 by WBSEDCL to NTPC on account of prior period.
- iii.) NHPC Limited has raised bills for the period 2015-19 i.r.o TLDP-IV as per tariff order dated 24.01.2021 and also raised supplementary bill for the period 2018-19 i.r.o TLDP-III as per CERC order to Rs.65419 Lakhs . Finally, Rs. 65419 Lakhs becomes payable/paid during the year 2020-21 by WBSEDCL to NHPC on account of prior period.
- iv.) PTC India Limited has raised bills on account of change of law i.r.o Adhunik Power. Finally Rs.8564 Lakhs becomes payable/paid by WBSEDCL from PTC India Ltd during the year 2020-21 on account of prior period.
- v.) Tata Power Trading Company Limited (TPTCL) has raised bills/credit notes on account of differential transmission & scheduling charges as per WBERC order dated 16.12.2020 i.r.o WBSETCL, on account of RLDC Charges as per CERC Order dated 10.06.2019 and also on account of transit loss on imported coal in the year 2020-21 for prior period. Finally Rs.124 Lakhs becomes receivable/received during the year 2020-21 by WBSEDCL from TPTCL on account of prior period.
- vi.) DPL has raised bills related to adjustment of prior period amounting to Rs.15011 Lakhs on account of revision of Tariff i.r.o DPL unit 7 and DPL unit 8 as per tariff order dated 13.11.2020 .The same has been payable/paid by WBSEDCL during the year 2020-21.
- vii.) HEML has raised bills related to adjustment of prior period amounting to Rs.1930 Lakhs on account of revision of Tariff as per tariff order dated 31.05.21 as well as for difference of capacity charge as certified by WBSLDC in the year 2020-21 for prior period. The same has been payable/paid by WBSEDCL during the year 2020-21.
- viii.) NVVNL Bundle has raised bills and credit notes on account of Income tax reimbursement, energy charge and incentive claim in the year 2020-21 for prior period. Finally, Rs.317 Lakhs becomes payable/paid during the year 2020-21 by WBSEDCL to NVVNL on account of prior period.
- ix.) KVUNL has raised bills/credit notes on account of RLDC charges, energy charge and non-tariff income in the year 2020-21 for prior period. Finally Rs 7 Lakhs becomes payable /paid during the year 2020-21 by WBSEDCL to KVUNL.



WBPDCL has raised bills on account of capacity charge and raised credit note in terms of Regulation 6.11.4 of Terms and Conditions of Tariff Regulations 2011 as amended i.r.o Sagardighi unit 3&4 for the year 2019-20 in 2020-21. Finally, Rs 11512 lakhs becomes receivable/received by WBSEDCL during the year 2020-21.

18. The computation of Fuel & Power Purchase Cost for the year 2020-21 has been given in **Annexure-III**.

19. The Fuel and Power Purchase Cost thus computed as per the relevant formula as specified in Schedule-7A and Regulation 2.8.6.1 of Tariff Regulations, 2011 comes to Rs. 17673.44 Crore.

20. As per Annual Accounts, there is no net Deviation Settlement Mechanism (DSM) receivable during the year 2020-21 as DSM receivable and DSM payable during the year 2020-21 are Rs 562 lakhs and Rs 14572 lakhs respectively. As per Tariff Regulations, Return on Equity (ROE) based on Annual Accounts is computed and ROE becomes Rs. 47031 lakhs during the year 2020-21. The computation of ROE is enclosed as Annexure-IIIA.

In terms of Regulation 2.8.6.1 of Tariff Regulations, disallowance of excess power purchase cost is limited to an amount equal to summation of ROE and net DSM receivables where net DSM receivables amount over the year ≥ 0 . Accordingly disallowance of excess power purchase cost of this FPPCA application for the year 2020-21 may now be limited to the amount of ROE, i.e. Rs. 47031 lakhs. Further in case of change of ROE amount in the application of Annual Performance Review (APR), such amount may be considered for disallowance of excess power purchase cost of this FPPCA application for the year 2020-21.

21. List of power purchase bill which could not be claimed under MVCA calculation during 2020-21 is enclosed as **Annexure -IV** as per direction given in para 8.5 of the Tariff Order dated 04.03.15.

PRAYER TO THE HON'BLE COMMISSION:

The Petitioner humbly prays to the Hon'ble Commission to:

1. Approve Fuel and Power Purchase Cost (FPPC) of Rs. 17673.44 Crore for the year 2020-21 in respect of WBSEDCL.
2. Pass the FPPCA amount of Rs. 17673.44 Crore in the Annual Performance Review (APR) of the year 2020-21 for finalizing the amount to be recoverable by the licensee from the consumers and other licensees.
3. Pass an order as the Hon'ble Commission may deem fit.

Sudip Chaudhuri
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Computation of cost of power purchase during the year 2020-21 [PPC]

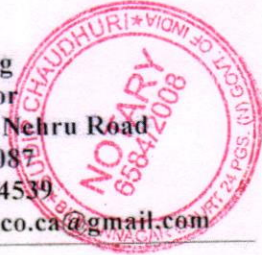
Name of Power Supply Agency	Energy Purchase		Remarks
	Actual Power Purchase cost (PPC)	Power purchase cost as approved by the Commission in the Tariff order for 2020-21 (ppc)	
	(Rs)	(Rs)	
Long Term			
NTPC Limited (FSTPS)	14,346,300,000	17,761,971,000	
NTPC Limited (TSTPS)	1,931,600,000	1,897,211,000	
NTPC Limited (Kahelgaon-Stage1)	970,700,000	1,147,171,000	
NTPC Limited (Darlipalli-Stage1)	2,694,400,000	3,819,078,000	
PTC (India) Limited (Chukha)	1,608,800,000	1,336,927,000	
PTC (India) Limited (Kurichhu)	102,500,000	74,262,000	
PTC (India) Limited (Tala)	2,837,100,000	2,430,359,000	
Damodar Valley Corporation - Grid	5,238,600,000	7,958,153,000	
Damodar Valley Corporation -Radial	2,191,300,000	1,039,956,000	
Durgapur Projects Limited	11,595,300,000	13,524,163,000	
Durgapur Projects Limited at 33 KV and 11 KV (Radial)		0	
NHPC Limited (Rangeet)	474,300,000	339,111,000	
NHPC Limited (Teesta V)	1,575,600,000	1,374,782,000	
NHPC Limited (TLDP III)	2,982,700,000	3,198,515,000	
NHPC Limited (TLDP IV)	3,486,300,000	3,035,937,000	
Govt. of Sikkim	0.0	1,490,000	
West Bengal Power Development Corporation Limited (lease rental)	0	74,765,119,000	
West Bengal Power Development Corporation Limited	91,856,300,000		
West Bengal Renewable Energy Development Agency	0	176,000	
CESEC Limited	85,000,000	46,964,000	
Tata Power Company Limited (Haldia)	0	0	
Electro Steel Casting Limited	59,600,000	65,914,000	
Neora Hydro Limited	29,500,000	29,156,000	
Nippon Power Limited	40,100,000	22,241,000	
Himadri Chemicals & Industries Ltd	107,200,000	93,089,000	
Shree Renuka Sugars Ltd.	43,400,000	0	
Rashmi Ispat	16,900,000	8,565,000	
Reshmi Cements Ltd	42,800,000	71,349,000	
Bengal Energy Limited	574,400,000	620,854,000	
Concast Bengal Ind. Ltd.	6,700,000	9,717,000	
NVVN (Solar Bundle Power)	1,790,200,000	2,157,737,000	
TPTCL (Mithon Right Bank)	7,141,600,000	8,464,483,000	
TPTCL (Dagachhu)	2,101,600,000	1,846,749,000	
PTC (India) Limited (Baglihar HEP, SPDC)	2,217,100,000	2,076,353,000	
PTC (India) Limited (Adhunik)	2,901,200,000	2,465,551,000	
PTC (India) Limited (Jhabua)	2,124,800,000	1,655,863,000	
PTC (India) Limited (Jaiprakash)	2,102,000,000	1,655,863,000	
PTC (India) Limited (Mangdechhu)	4,321,300,000	2,136,900,000	
JHARKHAND BIJLI	1,000,000	1,307,000	
Assam Power	6,400,000	4,993,000	
Kanti Bijli	1,124,900,000	1,363,681,000	
Solitaire	76,200,000	80,408,000	
Ankit Metal		3,570,000	
Hiranmayee	2,309,300,000	10,400,787,000	
Short term Power			
PTC (India) Limited	0		
DVC short term	66,200,000		
DB Power	0		
JSWPTC	0		
NVVNL	0		
Tata Power Trading Co. Ltd. (Short term)	0		
Power Exchange India Limited	26,600,000		
Indian Energy Exchange Limited	1,243,000,000		
Short Term-Non solar		4,956,082,000	
Short Term-Solar		1,409,076,000	
Swap In			
SUB Total	174,450,800,000	175,351,633,000	
Less: Rebate for timely Payment	-702,400,000		
TOTAL	173,748,400,000	175,351,633,000	
Average Power Purchase rate (paise/Kwh)	416.37	351.32	
Less: Power purchase cost attributable to sale to other than consumer & licensee @ average energy cost of long term power purchase for the year 2020-21	-6,778,100,000	-4,739,491,000	Refer Annexure- IC
Less: Power purchase cost of swap out			
Net Import cost for Own Consumer and Licensee	166970300000	170612142000	
TOTAL POWER PURCHASE COST FOR SALE TO CONSUMERS AND LICENSEE UNDER PURVIEW OF WBERC	166970300000	170612142000	

Sudip K. Choudhury
 Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL



J Gupta & Co LLP
Chartered Accountants

YMCA Building
Mezzanine Floor
25, Jawaharlal Nehru Road
Kolkata - 700 087
☎ : (033) 40074539
Email : jgupta.co.ca@gmail.com



TO WHOM IT MAY CONCERN

This is to certify that expenditure incurred by West Bengal State Electricity Distribution Company limited (WBSEDCL) during the financial year 2020-21 on Purchases of Power and Transmission Charges (read with note no-34 in the Annual Audited Accounts of 2020-21) of Rs. 21,35,852 Lakhs (Twenty One Lakhs Thirty Five Thousand Eight Hundred and Fifty Two Lakhs Only) excluding the Rebate received amounting to Rs 10,628 Lakhs (Ten Thousand Six Hundred and Twenty Eight Lakhs Only) for timely payments as per details attached in Annexure - A read with the notes therein have been verified by us from the available records maintained at Corporate office and found the same as correct.

For J Gupta & Co LLP
Chartered Accountants
FRN: 314010E/E300029
LLP No. AAM-2652
UDIN:- 22012208AGMVKB9273
J Gupta & CO LLP
Chartered Accountants

CA H.K. Datta Partner
Partner,
Membership No. 012208
Place: Kolkata
Date: 06th April, 2022

Sudipta Mukhopadhyay

Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Annexure-A			
Statement of Purchase of Power cost, transmission Charges, Other Charges & Operating Charges during the period April 2020 to March 2021			
SI No	Particulars	Current Cost (in Lakhs)	Arrear Cost
(A)	Purchases of Power from Different Sources		
1	Damodar Valley Corporation-Grid		
	Mejia TPS (V)	7731	0
	Damodar Valley Corporation-Radial	21913	24
	Raghunathpore TPS(RTPS)	44655	0
	Damodar Valley Corporation-Short Term	662	0
2	National Thermal Power Corporation		
	Farakka STPS Stg I	94634	17930
	Farakka STPS Stg III	48829	0
	Kahelgaon	9707	284
	Talcher STPS	19316	(209)
3	National Hydro Power Corporation Limited		
	Teesta V HEP	15756	
	Rangit HEP	4743	
	Teesta Lower Dam Project III	29827	5893
	Teesta Lower Dam Project IV	34863	59526
4	Power Trading Corporation Limited		
	Chukha HEP	16088	0
	Kurichu HEP	1025	0
	Tala HEP	28371	0
	Adhunik Power	29012	8564
	Jhabua	21248	0
	JP Nigrie	21020	0
	SPDC J & K	22171	0
5	Durgapur Projects Limited		
	DPL (220/132 kv)	115953	15011
6	West Bengal Power Development Corporation		
	Bandel TPS (BTPS)	50023	0
	Santalidih TPS (STPS)	136590	0
	Kolaghat TPS (KTPS)	92061	0
	Bakreswar TPS (Stage -I)	165694	0
	Bakreswar TPS (Stage -II)	118122	0
	Sagardighi TPS (Stage-I)	85448	0
	Sagardighi TPS (Stage-II)	270625	(11512)
7	CESEC Ltd	850	0
8	Electro Steel Casting Limited	596	0
9	Neora Hydro Limited	295	0
10	Nippon Power	401	0
11	Rashmi Ispat	169	0
12	Kanti Bijli Utpadan Nigam Ltd	11249	7
13	Himadri Chemicals & Industries Ltd	1072	0
14	Rashmi Cement Ltd	428	0
15	Shree Renuka Sugar	434	0
16	Bengal Energy Limited	5744	0
17	Assam Power Distribution Company Ltd	64	0
18	Concast Bengal Industries Ltd	67	0
19	Jharkhand Bijlee Vitaran Nigam Ltd	10	0
20	NTPC Vidyut Vyapar Nigam Ltd.(NVVN)		
	Bundle Power	17902	317
	NTPC Vidyut Vyapar Nigam Ltd. (Short Term)	0	0
21	Tata Power Trading Corporation Limited		
	Dagachu	21016	0
	Maithon Power Limited	71416	(169)
	Tata Power Trading Corporation Limited (Short Term)	0	45
22	Power Exchange		
	Power Exchange India Limited (PXIL)	266	0
	India Exchange Exchange Limited (IEX)	12430	0
23	Solitaire Industries	762	0
24	Hiranmoyee Energy	23093	1930
25	Deviation Settlement (UI Payable)	14572	0
Sub-Total (A)		1759081	97641



Sudipto Mukherjee
 Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL

(B)	TRANSMISSION CHARGES		
26	Power Grid Corporation India Limited	107873	3130
27	WBSETCL	139733	18063
28	Power System Operation Corporation Ltd.	259	0
29	Reimbursement of Transmission Charges to NVVN Ltd.	1005	0
30	Open Access Charges on Power Purchases		
	Power Trading Corporation Limited	62	0
	NTPC Vidyut Vyapar Nigam Ltd	0	0
	Tata Power Trading Corporation Limited	3821	0
	Power Exchange India Limited (PXIL)	45	0
	India Exchange Exchange Limited (IEX)	2050	0
	JSW	0	0
	DB Power	0	0
	Sub-Total (B)	254849	21193
(C)	Other Charges		
31	ERPC Charges	16	0
32	SLDC Charges	1947	0
33	ERPC Reactive Energy Charges	1117	6
	Sub-Total (C)	3080	6
	TOTAL(A+B+C)	2017010	118840
Total Expenditure (Current Power Purchases Cost + Arrear Cost)		2135852	



Sudipto Mukherjee
Chief Engineer (Regulation)
Regulation Department
WBSEDCL



J Gupta & Co LLP
Chartered Accountants

YMCA Building
Mezzanine Floor
25, Jawaharlal Nehru Road
Kolkata - 700 087
☎ : (033) 40074539
Email : jgupta.co.ca@gmail.com




TO WHOM IT MAY CONCERN

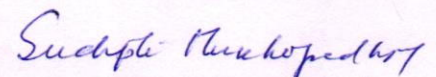
This is to certify that Variable Cost (Average Energy Charge Rate for Long-Term Power) during the financial year 2020-21 as per details attached in Annexure-A have been verified by us from the available records maintained at Corporate office and found correct.

For J Gupta & Co LLP
Chartered Accountants
FRN: 314010E/E300029
LLP No. AAM-2652
UDIN:- 22012208AHINFA6630




CA H.K. Datta

Partner,
Membership No. 012208
Place: Kolkata
Date: 19th April, 2022.



Chief Engineer (Regulation)
Regulation Department
WBSEDCL



Annexure-A

Average Energy Charge Rate for Long-Term Power i.r.o FY 2020-21			
Name of Agency	Purchased Energy	Energy Charge	Energy Charge Rate
Long Term Hydel & Thermal	MU	Rs in Lakhs	(P/Kwh)
NTPC	5098.638	118496	232.41
KBUNL	140.627	3707	263.63
NHPC	1978.483	39509	199.70
DVC (Mejia V)	99.791	2944	295.06
DVC RTPS	700.668	20860	297.72
WBPDC	21847.474	548803	251.20
PTC-Adhunik	572.697	17921	312.91
TPTCL MPL	1555.202	40594	261.02
Over all	31993.580	792835	247.81



Sudip Chaudhury
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

**Energy sold to Other than Licencee and Consumer for the
year 2020-21**

Month	Energy Sold Including Loss
	MU
April	0.223
May	62.239
June	6.430
July	45.292
August	31.881
September	58.508
October	63.817
November	135.334
December	752.518
January	767.374
February	500.742
March	310.838
Total	2735.195



Sudipta Mukhopadhyay

**Chief Engineer (Regulation)
Regulation Department
WBSEDCL**

Net Energy purchased during the year 2020-21[E_{imp}]

Name of Power Supply Agency	Energy Purchased		Remarks
	Actual Energy Purchased (E _{imp})	Energy purchase as approved by the Commission in the Tariff order for 2020-21 (e _{imp})	
	(MKwh)	(MKwh)	
Long Term			
NTPC Limited (FSTPS)	3,356.882	4,794.000	
NTPC Limited (TSTPS)	646.119	637.000	
NTPC Limited (Kahelgaon-Stage1)	284.495	345.000	
NTPC Limited (Darlipalli-Stage1)	811.142	1,195.000	
PTC (India) Limited (Chukha)	663.372	557.000	
PTC (India) Limited (Kurichhu)	46.696	34.000	
PTC (India) Limited (Tala)	1,297.276	1,125.000	
Damodar Valley Corporation - Grid	800.459	1,771.000	
Damodar Valley Corporation -Radial	485.641	494.670	
Durgapur Projects Limited	2,480.407	3,518.000	
Durgapur Projects Limited at 33 KV and 11 KV (Radial)			
NHPC Limited (Rangeet)	79.670	95.000	
NHPC Limited (Teesta V)	657.540	646.000	
NHPC Limited (TLDP III)	536.832	506.000	
NHPC Limited (TLDP IV)	704.441	618.000	
Govt. of Sikkim	-	0.230	
West Bengal Power Development Corporation	21,847.474	23,653.000	
West Bengal Renewable Energy Development	-	0.040	
CESC Limited	12.992	7.180	
Tata Power Company Limited (Haldia)	-	-	
Electro Steel Casting Limited	23.564	26.050	
Neora Hydro Limited	8.197	8.100	
Nippon Power Limited	11.140	6.180	
Himadri Chemicals & Industries Ltd	32.106	28.660	
Shree Renuka Sugars Ltd.	15.783	-	
Rashmi Ispat	7.611	3.860	
Reshmi Cements Ltd	20.996	34.980	
Bengal Energy Limited	187.092	194.020	
Concast Bengal Ind. Ltd.	2.111	3.050	
NVVN (Solar Bundle Power)	325.086	428.000	
TPTCL (Mithon Right Bank)	1,555.202	2,105.000	
TPTCL (Dagachhu)	582.676	513.000	
PTC (India) Limited (Baglihar HEP, SPDC)	592.751	558.000	
PTC (India) Limited (Adhunik)	572.697	470.000	
PTC (India) Limited (Jhabua)	494.435	386.000	
PTC (India) Limited (Jaiprakash)	489.121	386.000	
PTC (India) Limited (Mangdechhu)	1,025.612	510.000	
JHARKHAND BIJLI	0.074	0.090	
Assam Power	0.706	0.560	
Kanti Bijli	140.627	255.000	
Solitaire	6.617	6.990	
Ankit Metal		3.000	
Hiranmayee	392.428	2,010.000	
Short term Power			
PTC (India) Limited	-		
DVC short term	10.546		
DB Power	-		
JSWPTC	-		
NVVNL	-		
Tata Power Trading Co. Ltd. (Short term)	-		
Power Exchange India Limited	9.041		
Indian Energy Exchange Limited	511.348		
Short Term-Solar		496.000	
Short Term-Non solar		1,484.000	
TPTCL	-		
Swap In			
TOTAL	41,729.006	49,912.663	
Deviation Settlement Mechanism (DSM) (In)	623.851		
Energy Received for wheeling at 33 KV	134.697	155.300	
Less			
Grid (CTU) loss	363.640	291.970	
STU Transmission Loss	1,470.702	1,723.480	
Deviation Settlement Mechanism (DSM) (Out)	268.849	-	
Sale to persons other than consumer & licensee including Tr. loss	2,735.195	10,139.400	
Power Swap out	-	-	
PPSP Pumping Power including Tr. Loss	1,827.603	1,504.493	
Energy wheeled (including loss)	134.697	155.300	
NET IMPORT BY WBSEDCL FOR SALE TO CONSUMERS AND LICENSEE UNDER PURVIEW OF WBERC	35,686.87	36,253.320	

Annexure -II
Remarks

Enrollee Name: *Enrollee Name*
 Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL

Actual fuel and powerpurchase cost admitted against energy sold to own consumer and other licensee has been computed as per the formula given in schedule-7A of the tariff regulations 2011 :

COMPUTATION OF FPPCA FOR THE YEAR 2020-21

Annexure - III

			Value	Remarks
t	Norms of Transmission and Distribution loss in % considered for sale of power from licensee to licensee		3.40	
d	Norms of distribution loss in %		17.50	
E_O	Admitted Energy for own consumption by licensee		72.00	
E_{SL}	Energy sale to other licensee in MU		49.67	
E_{SC}	Energy sale to consumer in MU		29568.650	Own Consumer :29555.70 MU , DPSCL : 12.950 MU
Fuel-cost (in Rs)	Fuel cost at generation bus of own generating stations = Cost determined on the basis of normative parameters of SHR and oil consumption rate against actual level of energy sent out plus normative auxiliary energy consumption		0	
F_{IUC}	Per unit of Fuel Cost at distribution input (in paise) = Fuel-Cost ÷ Actual overall energy available at input of the distribution system which includes power purchase from different services.		0.000	
FC_{Adm_d}	Admitted Fuel Cost for sale to licensee	$= \frac{E_{SL}}{(1 - t \times 0.01)} \times F_{IUC}$	0	
FC_{Adm_C} (in Rs)	Admitted Fuel Cost for sale to consumer	$= \frac{E_{SC} + E_O}{(1 - d \times 0.01)} \times F_{IUC}$	0	
FC (in Rs)	Fuel cost of own generation as per normative parameters fixed by the Commission or on actual basis in absence of any norm and UHV range as ay be allowed under regulation 4.8, commensurate with actual level of energy sales to own consumers and / or licens	$FC_{Adm_d} + FC_{Adm_C}$	0	
PPC (Rs)	Total cost incurred including the cost for fuel for power purchase from different sources commensurate with actual level of energy sales during the adjustment period.		166970300000	Refer Annexure - I

Sudipta Mishra
Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL

d	Norms of distribution loss in %		17.50	
t	Norms of Transmission and Distribution loss in % considered for sale of power from licensee to licensee		3.40	
E_g	Actual energy sent out in MU from own generating station		1867.860	
E	excess amount of auxiliary energy consumption in MU		0.00	
E_P	Total energy purchased in MU	Schedule purchase + Swap in power +UI(in)+Power received for wheeling - UI(out) - CTUloss - STU loss - swap out-sale to persons other than consumer & licensee - PPSP pumping power (normative)	35,686.868	
E_O	Admitted Energy for own consumption by licensee		72.00	
E_{SC}	Energy sale to consumer in MU		29568.650	
E_{SL}	Energy sale to other licensee in MU		49.67	
E_{Adm}	Admitted Amount of Energy entitled for purchase	$= \frac{E_{SC} + E_O}{(1 - d \times 0.01)} + \frac{E_{SL}}{(1 - t \times 0.01)} - E - E_g$	34111.622	
E_E	Excess energy purchased	$E_P - E_{Adm}$	1575.246	
EP_{Avg}	Average cost of power purchase (paise/Kwh)		416.37	
C_D (in Rs.)	Cost disallowable by the Commission in terms of Regulation 2.8.6.1 of Tariff Regulations 2011:	$= E_E \times EP_{AVG}$	47031	Refer para 20 of the application

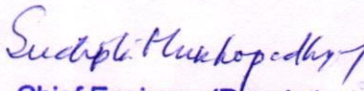
A (in Rs.)	Adjustment, if any, to be made in the current period to account for any excess / shortfall in recovery of fuel and power purchase cost in the past adjustment period based on directions / orders of the Commission.		9764100000	Prior period adjustment considered: (Refer para 17 of the application) DVC - Rs 24 lakh, NTPC - Rs 18005 lakh, NHPC - Rs 65419lakh, PTC - Rs 8564 lakh, TPTCL - Rs (-)124 lakh, NVVNL - Rs 317 lakh Kanti Bijli Utpadan Nigam- Rs 7 Lakh, DPL- Rs 15011 Lakh HEML - Rs1930 Lakh WBPDCCL -Rs (-)11512 lakh
FPPC (In Rs.)	Actual fuel and power purchase cost admitted against energy sold to own consumers and other licensee during adjustment period	$\{FC + \{PPC - C_D\} + (\pm A)\}$	176734352969	

Sudipta Hussain
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Form 1.20(a) : Equity Base

Annexure-III A (1/3)

Ref.	Particulars	Basis	Rs. in Lakhs		
			2020-21		
			Distribution	Generation	Total
				Actual	
(1)	Equity Base				
1	Actual equity base at the beginning of the year		226017	8168	234185
2	Admissible equitybase at the beginning of the year		226017	8168	234185
3	Actual addition/deletion to Equity Base for the year		3086	0	3086
4	Actual equity base at the end of the year	1+3	229103	8168	237271
5	Net addition to the original cost of Fixed Assets during the year	Note 1 of Annual Accounts 2020-21	460277	0	460277
6	Less: Asset of created in terms of regulation 5.15.1(v), if any		0	0	0
7	Net addition to the original cost of fixed assets during the year other than assets creted in terms of regulation 5.15.1(iv)		460277	0	460277
8	Normative Equity %		30%	30%	30%
9	Normative addition to equity base	30% of (7)	138083	0	138083
10	Addition to Equity base considered for the year	lower of 3 and 9	3086	0	3086
11	Add:Asset created in terms of regulation 5.15.1(iv)		0	0	0
12	Addition in equity base during the year for the purpose of computation of return	(10+11)	3086	0	3086
13	Admissible equity base at the closing of the year	(2+12)	229103	8168	237271
14	Average admissible equity base for allowing return	(2+13)/2	227560	8168	235728


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Form 1.20 (b) Normative Debt (Equity Part converted to Debt)

Annexure IIIA(2/3)

Ref.	Particulars	Basis	Actual
	Debt		2020-21
1	Opening gross normative debt	A1	
2	Less: Cumulative repayment of normative debt upto previous year	A2	
3	opening net normative debt	$a = A1 - A2$	
4	Actual addition to debt for the year	b Form C	
5	Addition to the fixed assets during the year	c	
6	Normative Debt	$d = 70\%$	
7	Normative addition to Debt for the year	$e = c * d$	
8	Addition to Debt considered for the year in ARR	$f = \text{higher of b and e}$	
9	Additional Gross Normative Debt during the year	$G1 = f - b$	
10	Repayment of normative debt	G2	
11	Net additional gross normative debt during the year	$g = G1 - G2$	
12	Closing balance of net normative debt	$h = a + g$	
13	Average balance of net normative debt	$i = (a + h) / 2$	
14	Weighted average rate of interest	j in %	
15	Allowable interest on normative debt	$k = i * j$	
16	Closing gross normative debt	$B1 = A1 + G1$	
17	Cumulative repayment of normative debt up to the end of the year	$B2 = A2 + G2$	

Sudip K. Mukherjee
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Form 1.22 : Return on Equity

Rs. In Lakhs

2020-21

Ref.	Particulars	Basis	Actual		
			Distribution	Generation	Total
(1)	Average Equity Base	Form 1.20 (a)	227560	8168	235728
(2)	Rate of Return	16.5% ÷ (1-17.472%) 15.5% ÷ (1-17.472%)	19.99	18.78	
(3)	Return on equity considered as normative loan(@8.5%)		0	0	0
(3)	Return on equity		45497	1534	47031

NB: 19.99 % & 18.78 % is effective tax rate of WBSEDCL for 2020-21 for Distribution & Generation function respectively

Sudipti Mukhopadhyay
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 Regulation Department
 WBSEDCL

STATEMENT OF POWER PURCHASE BILL NOT CONSIDERED IN MVCA

Name of the Agency	Difference		Remarks
	MU	Rs in Lakhs	
West Bengal Power Development Corporation	0.000		
KTPS	0.000	10177.91	MFCA for all power plant of WBPDC form September'20 to March'21 not considered as communicated vide letter dated 17.06.2021 and LPSC
BKTPS	0.000	18438.52	
BKTPS(Stg-II)	0.000	13046.22	
BTPS	0.000	16895.84	
STPS	0.000	13491.98	
SGTPS(Stg-I)	0.000	6147.72	
SGTPS(Stg-II)	0.000	5619.06	
Chukha	0.000	156.09	Bill not received upto 15 th April'21
Kurichu	0.000	11.70	Bill not received upto 15 th April'21
Tala	0.000	349.83	Bill not received upto 15 th April'21
SPDC	0.000	102.90	Bill not received upto 15 th April'21
Adhunik	0.000	-156.18	Bill not received upto 15 th April'21
Jhabua	0.000	43.93	Bill not received upto 15 th April'21
Jaiprakash	0.000	39.72	Bill not received upto 15 th April'21
Mangdechhu	0.000	238.82	Bill not received upto 15 th April'21
Teesta Lower Dam Project III	0.000	1188.27	Bill not received upto 15 th April'21
Teesta Lower Dam Project IV	0.000	261.52	Bill not received upto 15 th April'21
DPL(unit 7 &8)	2480.407	115953.00	DPL bill not considered for FY 2020-21 in MVCA in absence of Tariff order after marging of DPL
CESC	0.000	0.20	Bill not received upto 15 th April'21
Hiranmayee	0.000	3964.67	Bill not received upto 15 th April'21
Bundle Power	0.000	694.06	Bill not received upto 15 th April'21
Jharkhand Bijli Vitaran Nigam Limited	0.012	1.22	Bill not received upto 15 th April'21
Assam Power	0.004	4.63	Bill not received upto 15 th April'21
Kanti Bijli	0.000	805.67	Bill not received upto 15 th April'21
Sree Renuka Sugar	0.000	55.24	Bill not received upto 15 th April'21

Sudipti Mukhopadhyay
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