



पश्चिम बंगाल WEST BENGAL

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**BEFORE THE HONOURABLE 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 2019-20 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

26 OCT 2021

Sudipta Mukhopadhyay
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

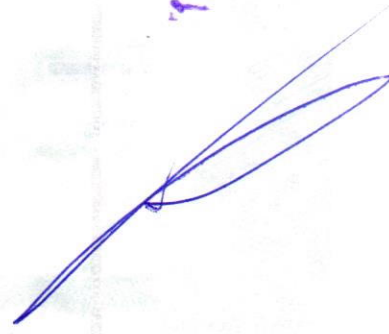
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W.B.S.E.D.C.L.
Vidyut Bhawan, Salt Lake
Kolkata - 700 091

NAME.....
ADD.....
Rs.....
18 AUG 2021
S. CHATTERJEE
Licensed Supplier Vendor
C. C. Court
2 & 3, K. S. Roy Road, Kol-1

18 AUG 2021

18 AUG 2021



Page 1 of 1

WEST BENGAL

FOR THE HONOURABLE ELECTRICITY REGULATORY COMMISSION

Page No.

Date

IN THE MATTER OF: Petitioner and Respondent
Petitioner: Vidyut Bhawan, Salt Lake
Respondent: (Name of the person/authority)
The Petitioner has submitted the following documents:
1. Affidavit of the Petitioner.
2. Affidavit of the Respondent.
3. Affidavit of the Officer-in-Charge.
4. Affidavit of the Engineer-in-Charge.
5. Affidavit of the Assistant Engineer.
6. Affidavit of the Assistant Engineer-in-Charge.
7. Affidavit of the Assistant Engineer-in-Charge.
8. Affidavit of the Assistant Engineer-in-Charge.
9. Affidavit of the Assistant Engineer-in-Charge.
10. Affidavit of the Assistant Engineer-in-Charge.

IN THE MATTER OF: Petitioner and Respondent
Petitioner: Vidyut Bhawan, Salt Lake
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9. Affidavit of the Assistant Engineer-in-Charge.
10. Affidavit of the Assistant Engineer-in-Charge.

Chief Engineer, (Regulator)
Regulator Department
West Bengal



I, Sri Sudipta Mukhopadhyay, son of Late Deb Kumar Mukhopadhyay, aged 57 years residing at 2 Kundan Bye Lane, Liluah Howrah – 711204 do solemnly affirm and say as follows:

1. I am the Chief Engineer (Regulation)(Officiating) of the West Bengal State Electricity Distribution Company Limited, petitioner in the above matter, and am duly authorised by the said petitioner to make this affidavit for and on its behalf.
2. The statements made in paragraphs 1 to 20 herein now shown to me and marked with the letter "A" with Annexure are true to my knowledge and nothing material has been concealed from the statements so made.

Solemnly affirm at Kolkata on this 26th day of October 2021 that the contents of this affidavit are true to my knowledge, no part of it is false or nothing material has been concealed there from and misleading material included therein.

Sudipta Mukhopadhyay
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Identified By Me

Manoj Basu
ADVOCATE

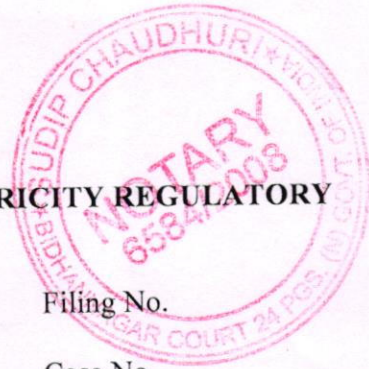
MANOJ BASU
Advocate

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

[Signature]
ATTESTED
S. CHAUDHURI
* NOTARY *
GOVT. OF INDIA
Regd. No.-6584/08
Bidhan Nagar Court
Dist.-North 24 Pgs

26 OCT 2021

**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 2019-20 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 2019-20 on 25/08/2021. As per clause 10.6 of above order dated 25.08.2021, Fuel and Power Purchase Cost Adjustment (in short “FPPCA”) application is being filed based on admitted power purchase and fuel cost of the above Tariff Order.

Sudip Chaudhuri
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

4. That The Annual Report and Annual Accounts for the year 2019-20 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 14.12.2020. 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 2019-20.
5. That to compute the Fuel and Power Purchase Cost (FPPC) for the year 2019-20, 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 2019-20.
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 2019-20 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 2019-20 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 2019-20. WBSEDCL had also purchased power through grid from Mejia Thermal Power Station (Unit V) of DVC during the year 2019-20 at the rate determined by CERC.

Purchase of energy and associated costs from DVC during the year 2019-20 are given below:

Name of the Power Station	Energy (MKWH)	Cost (Rs. Lakhs)
DVC- Radial	545.804	24626
Mejia-5	206.326	11177
DVC RTPS	1041.117	48279
DVC Total	1793.247	84082

Sudipto Choudhury
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

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.

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 2019-20 as per Power Purchase Agreement between erstwhile DPL and WBSEDCL dated 16.06.2017 for 2 years with subsequent approval from Hon'ble Commission dated 14.06.2019 and Department of Power & Non Conventional Energy Sources, Govt. of West Bengal vide order dated 19.06.2019.

Purchase of energy from DPL and the associated cost thereof during the year 2019-20 are given hereunder:

	Energy	Cost
	(MKWH)	(Rs.Lakhs)
DPL - 132/220 KV	1982.688	79824
DPL Total	1982.688	79824

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 (WBPDC):

(i) Energy Charge

WBSEDCL had purchased power from all the Thermal Power Stations (TPS) of WBPDC at Bandel, Kolaghat, Sagardighi, Bakreswar and Santaldih during the year 2019-20 at the rate determined by WBERC for the year 2017-18. The energy purchased by WBSEDCL from different power stations of WBPDC during the year 2019-20 and the associated cost as per Annual Accounts of WBSEDCL for the year 2019-20 are given hereunder:

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Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Name of the Power Station	Total Energy (MKWH)	Cost (Rs.Lakhs)
Kolaghat TPS (KTPS)	2514.536	127825
Bakreswar TPS (BKTPS) Stg-I (U-I, II & III)	3828.361	146642
Bakreswar TPS (BKTPS) Stg-II (U-IV & V)	2531.875	97580
Bandel TPS (BTPS)	749.599	40262
Santaldih TPS (STPS) Stg-II	3389.999	141270
Sagardighi TPS (SgTPS) (Unit 1&2)	2518.641	101285
Sagardighi TPS (SgTPS) (Unit 3&4)	3583.718	191763
Total WBPDC	19116.729	846627

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 WBPDC.

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 2019-20 at the rate determined by CERC. The purchase of energy by WBSEDCL from NTPC's different power stations during the year 2019-20 along with the associated costs are given hereunder:

Name of the Power Station	Energy (MKWH)	Cost (Rs.Lakhs)
Farakka STPS Stg I & II	3266.099	111975
Farakka STPS Stg III	1062.705	44181
Talcher STPS	536.080	16415
Kahelgaon	356.491	11490
Darlipali	62.070	2101
Total NTPC	5283.445	186162

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 2019-20, WBSEDCL had purchased hydro power from NHPC (Rangeet HEP, Teesta-V HEP, TLDP III and TLDP IV).

The purchase of energy by WBSEDCL from NHPC (Rangeet HEP, Teesta-V HEP, TLDP III and TLDP IV) during the year 2019-20 along with the associated costs are given hereunder:

Sudipta Mukhopadhyay
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Name of the Power Station	Energy (MKWH)	Cost (Rs.Lakhs)
Teesta V HEP	656.166	16583
Rangiet HEP	97.983	3821
TLDP III	572.305	38073
TLDP IV	720.955	21014
Total NHPC	2047.409	79491

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 2019-20, 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 Mangdechhu through PTC.

The purchase of energy during the year 2019-20 by WBSEDCL through PTC from Chukha HEP, Kurichhu HEP, Tala HEP, Baglihar HEP Adhunik Power, Jhabua, Jaiprakash and Mangdechhu and the associated costs are given hereunder:

Name of the Power Station	Energy (MKWH)	Cost (Rs.Lakhs)
Chukha HEP	532.719	12798
Kurichhu HEP	39.444	856
Tala HEP	1031.288	22296
Baglihar HEP, J & K (SPDC)	575.677	21441
Adhunik Power	398.830	21372
Jhabua	538.192	23021
Jaiprakash	556.060	23754
Mangdechhu	322.334	13635
Total	3994.544	139173

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 2019-20, 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 2019-20 by WBSEDCL through TPTCL from MRBTPS and Dagachhu HEP of Bhutan and the associated costs are given hereunder:

Sudipta Choudhury

Name of the Power Station	Energy (MKWH)	Cost (Rs.Lakhs)
Maithan Right Bank TPS	1464.608	71388
Dagachhu HEP	512.701	17953
Total	1977.309	89341

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:** As per West Bengal Electricity Regulatory Commission (Co-generation & Generation of Electricity from Renewable Sources of Energy) Regulations, 2013, Hon'ble Commission stipulated that a minimum quantum of 8.0% of total consumption of electricity would be met by WBSEDCL from Co-generation / Renewable sources (including solar) during the year 2019-20.

To meet this requirement, the generation of the mini/micro hydel generating stations, treated as renewable sources of energy, of WBSEDCL for the year 2019-20 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	29.793	0.298	29.495
Teesta Canal Fall, Hydel PS-I	EHV	14.800	0.148	14.652
Teesta Canal Fall, Hydel PS-II	EHV	15.094	0.151	14.943
Teesta Canal Fall, Hydel PS-III	EHV	13.867	0.139	13.728
Richington Hydel PS	HV	6.661	0.067	6.594
Little Rangit Hydel PS	HV	8.993	0.090	8.903
Mangpoo Kalikhola Hydel PS	HV	5.744	0.057	5.687
Sidrabong Hydel PS	HV	0.246	0.002	0.244
Messanjore Hydel PS	HV	4.672	0.047	4.625
Fazi Hydel PS	HV	4.767	0.048	4.719
Total Mini/Micro Hydel Generation:		104.637	1.046	103.591

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 2019-20. The quantum of energy actually purchased by WBSEDCL from different co-generation / Renewable sources of energy during the year 2019-20 along with the associated cost are given hereunder:

Sudip Chaudhuri

Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Name of the Renewable & Non-conventional Agencies	Energy (MKWH)	Cost (Rs.Lakhs)
WBREDA	0.044	2
Electro Steel Casting Limited	28.153	712
Neora Hydro Limited	7.316	266
Nippon Power Limited	5.561	200
Himadri Chemicals & Industries Ltd	35.322	1151
Reshmi Ispat Ltd	8.240	186
Reshmi Cement Ltd	34.319	699
Bengal Energy Limited	224.931	7198
Concast Bengal India Limited	4.490	143
NVVN (Bundle power with 80.458 MU Solar Power)	439.890	20681
Solitaire	6.992	805
Total :	795.258	32043

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

In addition, to fulfill the RPO target, short term power was purchased time to time following guidelines issued by Ministry of Power, Govt. of India for short term purchase of power with deviation as approved by Hon'ble Commission.

Name of the Traders / power exchanges from which short term power purchased (Non Solar RPO)	Energy purchased	Cost
	MU	(Rs.Lakhs)
TPTCL	401.918	13,424

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.

Sudipta Mukhopadhyay
 Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL

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 2019-20, 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 2019-20.

j) Actual quantum of short term power purchased through traders and power exchanges during the year 2019-20 by WBSEDCL along with the associated cost are stated hereunder.

Name of the Traders / power exchanges from which short term power purchased	Energy purchased	Cost
	MU	(Rs.Lakhs)
Tata Power Trading Co. Ltd. (TPTCL)	354.998	13938
PTC India Ltd. (PTC)	154.886	7184
NVVNL	431.738	16559
DVC	457.508	20665
JSWPTC	7.613	471
DB Power	15.227	942
Power Exchange India Ltd. (PXIL)	84.720	3236
Indian Energy Exchange Ltd. (IEX)	2019.579	72474
Total :	3526.269	135469

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.18828 lakh were paid as Short term Open Access charge for purchase of above stated short term power in 2019-20. This amount has not been considered in this application for FPPCA for the year 2019-20 as such cost / charge will be considered in the application for Annual Performance Review (in short "APR") for the year 2019-20 as it is transmission charge in nature and a fixed cost item as per Tariff Regulations 2011 as amended.

Sudip Chaudhuri

Chief Engineer (Regulation)
Regulation Department
WBSEDCL

k) Purchase of power from CESC Ltd. :

During the year 2019-20 the quantum of energy drawn by WBSEDCL from CESC Ltd. on radial mode along with associated cost are given hereunder:

Energy (MKWH)	Cost (Rs.Lakhs)
8.467	554

l) Purchase of power from Govt. of Sikkim :

During the year 2019-20 the quantum of energy drawn by WBSEDCL from Govt. of Sikkim on radial mode to meet power requirement of the border area of the state are given hereunder along with associated cost::

Energy (MKWH)	Cost (Rs.Lakhs)
0.375	25

m) Purchase of power from Assam Power :

During the year 2019-20 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)	Cost (Rs.Lakhs)
0.638	59

n) Purchase of power from JVVNL :

During the year 2019-20 the quantum of energy drawn by WBSEDCL from JVVNL on radial mode to meet power requirement of the border area of the state are given hereunder along with associated cost::

Energy (MKWH)	Cost (Rs.Lakhs)
0.122	13

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

During the year 2019-20, the quantum of energy drawn by WBSEDCL from KBUNL along with associated cost are given hereunder:

Energy (MKWH)	Cost (Rs.Lakhs)
192.374	13515

p) Purchase of power from HMEL :

During the year 2019-20 the quantum of energy drawn by WBSEDCL from HMEL along with associated cost are given hereunder:

Energy (MKWH)	Cost (Rs.Lakhs)
29.116	1133

8. Deviation Settlement Mechanism (DSM):

During the year 2019-20 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)	Cost (Rs.Lakhs)
580.565	13971

9. 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. The sale of surplus power is 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 above situation, financial impact of capacity charge of long-term power on consumers is found to be Rs 453812 for the year 2019-20, 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 2019-20 comes to Rs 34712 Lakhs (1253.004 MU x 277.03 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 7382 lakhs in 2019-20 due to gain sharing after full recovery of variable cost Rs 34712 Lakhs.

Hence proportionate power cost i.e. 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 is enclosed as Annexure-ID

For the year 2018-19, 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 @ 277.03 Paise/Kwh (Rs.Lakhs)
1253.004	34712

10. WBSEDCL's liability on account of purchase of power from different power supply agencies during the year 2019-20 have been indicated in **Annexure-I**.
11. 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 2019-20 was 294.509 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 2019-20 was 287.909 MU whereas STU loss in the system is considered at normative level of 3.4% on grid power.

12. During the year 2019-20 actual sent-out generation from own generation stations of WBSEDCL has become 1621.793 MU which has been considered in the computation of FPPCA for the year 2019-20. The station-wise generation of WBSEDCL is given below:

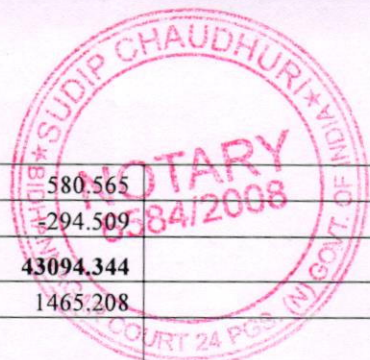
Name of the generating station	Injection Voltage	Gross Generation in MU	Aux. Consumption in MU	Net Generation in MU	Remarks
Rammam Hydel PS	EHV	247.298	2.473	244.825	
Jaldhaka Hydel PS Stg-I	EHV	159.073	1.591	157.482	
Total Mini/Micro Hydel Generation:	EHV /HV	104.637	1.046	103.591	Refer para. 7 (h)
Total Hydel Generation:		511.008	5.110	505.898	
Purulia Pumped Storage Project (PPSP)	EHV	1075.471	18.283	1057.188	
Rudranagar Diesel PS	HV	0.000	0.00	0.000	
Solar Project	HV	58.707	0.00	58.707	
Total :		1,645.186	23.393	1,621.793	

13. Pumping energy for Purulia Pumped Storage Project (in short "PPSP"): The gross generation of PPSP in the year 2019-20 was 1075.471MU. Considering the normative cycle efficiency of PPSP at 74%, the energy required for pumping at PPSP during the year 2019-20 was 1453.339 MU $[1075.471 / 0.74]$.

Considering normative transmission loss @ 3.4% as per Tariff Regulations 2011, as amended, the input energy for pumping power of PPSP for the year 2019-20 becomes 1504.492 MU and the same is considered in this FPPCA application for energy balance for the year 2019-20.

14. The energy balance based on actual power purchase, own sent out generation and sale of energy in respect of WBSEDCL for the year 2019-20 is given below which has been considered in the computation of FPPCA for the year 2019-20.

Energy Balance			
Sl. No	Particulars	2019-20	Remarks
		Energy in MU	
1	Own sent out at EHV	1532.313	
2	Gross purchase at EHV	40594.519	
3	Power Swap in at EHV	681.456	



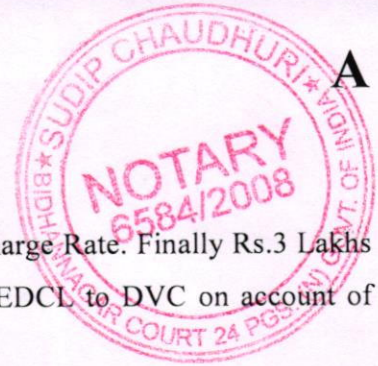
4	Power drawl under UI	580.565	
5	CTU Grid loss	294.509	
6	Energy Available at EHV (1+2+3+4+5)	43094.344	
7	Normative STU Transmission Loss	1465.208	
8	Sale to licensee inclusive transmission loss (EHV)	52.864	
9	PPSP pumping power from EHV inclusive transmission loss	1504.492	Refer para 13 on pumping energy for PPSP
10	Energy sale to other than licensee and consumer in MU inclusive transmission loss	1253.004	
11	Swap Power out inclusive transmission loss	864.848	
12	Power Out under UI inclusive transmission loss	287.909	
13	Own sent out at 33 KV and Below	89.480	Net own sent out (1532.313+89.480)= 1621.793 MU
14	Gross purchase at 33 KV and Below	555.450	
15	Energy Received for wheeling at 33 KV	155.300	
16	Energy available at WBSEDCL System 16=6-7-8-9-10-11-12+13+14+15)	38466.249	
17	Unit wheeled in MU (including addl. Unit allowed)	155.300	
18	Energy sale to own consumer & DPSC in MU	31129.717	Including 20.517 MU sale to DPSC from Distribution system
19	Own consumption by WBSEDCL	71.000	
20	Un-utilized Units	7110.232	

15. Actual purchase of power by WBSEDCL for sale to own consumer and licensee during the year 2019-20 has been given in the **Annexure-II**.

16. In the order vide Case No.WBERC/OA-275/18-19 Hon'ble WBERC directed west Bengal State Electricity Transmission Company Limited (in short WBSETCL) to distribute 12787.90 lakh from SLDC-UI-Fund to the licensees. In the paragraph 8 of the said order Hon'ble Commission mentioned that receivable amount by WBSEDCL and DPL under the above head are Rs 11817.03 lakh & 73.46 lakh respectively. In the said order the licensees were directed to utilize the amount to meet the power purchase liability for the year year 2019-20. Accordingly WBSEDCL has received 11890.49 lakh (i.e component of WBSEDCL together with component of DPL) as distribution business of erstwhile DPL area has been merged with WBSEDCL with effect from 01.01.2019 and the above amount is adjusted against power cost for 2019-20. Refer note No. 33 of Audited Annual Accounts enclosed as **Appendix-I**.

17. Power Purchase bill related to Prior Period:

- a) DVC has raised bills on account of revision of Energy Charge Rate. Finally Rs.3 Lakhs becomes payable/paid during the year 2019-20 by WBSEDCL to DVC on account of prior period.
- b) NTPC Limited has raised bills and credit notes on account of RLDC charges, water/pollution cess Income tax charge, energy charge, differed tax liabilities in the year 2019-20 for prior period. Finally, Rs. 8919 Lakhs becomes payable/paid during the year 2019-20 by WBSEDCL to NTPC on account of prior period.
- c) NHPC Limited has raised bills related to adjustment of prior period amounting to Rs.13727 Lakhs on account of revision of AFC due to revision of effective tax, energy charge, RLDC charges .The same has been payable/paid by WBSEDCL during the year 2019-20.
- d) PTC India Limited has raised bills on account of change of law i.r.o Adhunik Power. Finally Rs.11926 Lakhs becomes payable/paid by WBSEDCL from PTC India Ltd during the year 2019-20on account of prior period.
- e) Tata Power Trading Company Limited (TPTCL) has raised bills on account of tariff revision order dated 01.10.2019 in the year 2019-20 for prior period. Finally Rs. 3165 Lakhs becomes receivable/received during the year 2019-20 by WBSEDCL from TPTCL on account of prior period
- f) During computation of MVCA for the year 2018-19, release of some MFCA bill of WBPDCCL was considered in deferred manner following the provision of the regulation under note (a) (ii) of Paragraph-A of Schedule-7B of Tariff Regulation to keep the MVCA at same level and accordingly payment of those bills was made to WBPDCCL. In addition, MFCA bill of March' 2019 received after 15 th April 2019 was not considered during MVCA computation of April 2019 and thus said MFCA amount is not paid to WBPDCCL. Thus WBPDCCL has raised LPSC amounting to **Rs 22196 lakhs** during the year 2019-20 on those unpaid and deferred payment of MFCA bills of 2018-19 which becomes payable by WBSEDCL to WBPDCCL on account of prior period.



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Regulation Department
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- g) KVUNL has raised bill on account of RLDC charges, water/ pollution cess- Income tax charge, energy charge, differed tax liabilities, capacity Charge. Finally Rs 202 Lakhs becomes payable /paid during the year 2019-20 by WBSEDCL to KVUNL.

Apart from above,

As per Tariff Order dated 07.07.2017 in respect of SgTPS (3 &4) of WBPDCCL for the year 2016-17 passed by Hon'ble Commission, WBSEDCL has to pay Rs 33540.43 lakh to WBPDCCL in twenty(20) equal installment.

Out of Rs 33540.43 lakh, Rs. 16088.11 lakh and Rs. 17452.32 lakh are the differential energy charge and capacity charge i.r.o SgTPS (3 &4) against energy drawn for the year 2016-17 and 2017-18 (April'17 to June'17) respectively.

Out of Rs. 16088.11, Rs.3217.62 lakh & Rs 9633 lakh was paid during the year 2017-18 and 2018-19 respectively in 4 and 12 equal installments on the above head which was considered in the FPPCA application for the respective year.. Remaining Rs.3217.62 lakh has been paid in 4 equal installments on the above head which has been considered in this FPPCA application for the year 2019-20

A statement with details of arrear amount paid against Tariff Order & FCA Order of WBPDCCL is enclosed as **Annexure-IB**.

18. The computation of Fuel & Power Purchase Cost for the year 2019-20 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. 17081.54 Crore.
20. List of power purchase bill which could not be claimed under MVCA calculation during 2019-20 is enclosed as **Annexure –IV** as per direction given in para 8.5 of the Tariff Order dated 04.03.15.

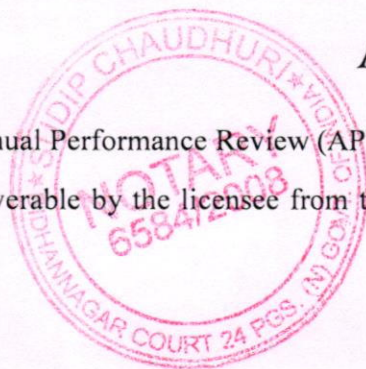
PRAYER TO THE HON'BLE COMMISSION:

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

1. Approve Fuel and Power Purchase Cost (FPPC) of Rs. 17081.54 Crore for the year 2019-20 in respect of WBSEDCL.

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2. Pass the FPPCA amount of Rs. 17081.54 Crore in the Annual Performance Review (APR) of the year 2019-20 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.



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