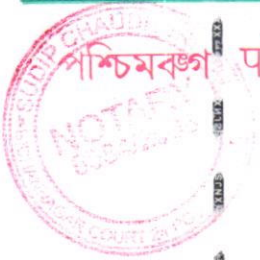


SL. NO. 253 /20.21



पश्चिम बंगाल WEST BENGAL

60AB 685645

**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 2018-19 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.-6584/03
Bidhannagar Court
Dist.-North 24 Pgs.

12 6 OCT 2021


Chief Engineer (Regulation)
Regulation Department
WBSEDCL

18 AUG 2021

18 AUG 2021
18 AUG 2021

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

NAME _____
ADD. _____
Rd. _____
18 AUG 2021
SURANJAN MUKHERJEE
Licensed Dealer
C.C. Court
2 & 3, K. S. Road, Kolkata

61808



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) 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
Bidhanagar 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 2018-19 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”).
3. That Hon’ble West Bengal Electricity Regulatory Commission (hereinafter to be referred as “Commission”) has passed Tariff Order of WBSEDCL for the year 2018-19 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.

Sudipta Choudhury
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

4. That The Annual Report and Annual Accounts for the year 2018-19 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 13.09.2019.
- The Annual Accounts is enclosed as **Appendix-1**. 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 2018-19.
5. That to compute the Fuel and Power Purchase Cost (FPPC) for the year 2018-19, 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 2018-19.
6. That in terms of regulation. 2.8.7 of Tariff Regulations, the FPPC admissible under the process of Fuel and Power Purchase Cost Adjustment in respect of WBSEDCL has been worked out for the year 2018-19 as per the relevant formula for Fuel and Power Purchase Cost Adjustment (FPPCA) for licensee specified in Schedule-7A of Tariff Regulations.
7. That power purchase cost in respect of WBSEDCL for purchase of power from different power supply agencies during the year 2018-19 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 2018-19. WBSEDCL had also purchased power through grid from Mejia Thermal Power Station (Unit V) of DVC during the year 2018-19 at the rate determined by CERC.

Purchase of energy and associated costs from DVC during the year 2018-19 are given below:

Name of the Power Station	Energy (MKWH)	Cost (Rs. Lakhs)
DVC- Radial	549.877	24810
Mejia-5	296.793	13459
DVC Total	846.670	38269

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. Therefore WBSEDCL purchased radial power from DPL upto 31.12.2018. Grid power was purchased from DPL for the entire period of 01.04.2018 to 31.03.2019 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.

Purchase of energy from DPL and the associated cost thereof during the year 2018-19 are given hereunder:

	Energy	Cost
	(MKWH)	(Rs.Lakhs)
DPL - 132/220 KV	709.594	27239
DPL – Radial	52.513	2306
DPL Total	762.107	29545

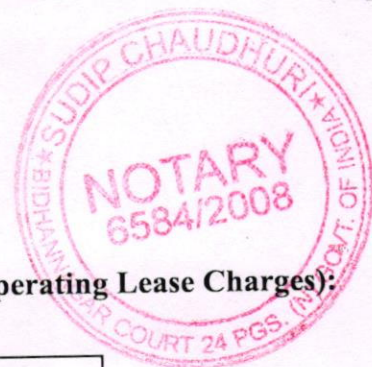
Refer the Certificate of the Chartered Accountant enclosed as Annexure-IA for the above break up of power purchase cost of Annual Accounts in respect of DPL.

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 2018-19. The energy purchased by WBSEDCL from different power stations of WBPDC during the year 2018-19 and the associated cost as per Annual Accounts of WBSEDCL for the year 2018-19 are given hereunder:

Name of the Power Station	Total Energy (MKWH)	Cost (Rs.Lakhs)
Kolaghat TPS (KTPS)	3910.861	144142
Bakreswar TPS (BKTPS) Stg-I (U-I, II & III)	3981.313	104183
Bakreswar TPS (BKTPS) Stg-II (U-IV & V)	2538.108	66419
Bandel TPS (BTPS)	1175.943	44659
Santaldih TPS (STPS) Stg-II	3238.022	84182
Sagardighi TPS (SgTPS) (Unit 1&2)	2300.651	79110
Sagardighi TPS (SgTPS) (Unit 3&4)	3226.064	106839
Total WBPDC	20370.962	629534



(ii) Capacity Charge (included in Annual Accounts as Operating Lease Charges):

Name of the Power Station	Cost (Rs.Lakhs)
Kolaghat TPS (KTPS)	29781
Bakreswar TPS (BKTPS) Stg-I (U-I, II & III)	44458
Bakreswar TPS (BKTPS) Stg-II (U-IV & V)	29078
Bandel TPS (BTPS)	7997
Santalidih TPS (STPS) Stg-II	44676
Sagardighi TPS (SgTPS)(Unit 1&2)	30419
Sagardighi TPS (SgTPS)(Unit 3&4)	55442
Total WBPDC	241850

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 and Talcher Super Thermal Power Station (in short "STPS") of NTPC during the year 2018-19 at the rate determined by CERC. The purchase of energy by WBSEDCL from NTPC's different power stations during the year 2018-19 along with the associated costs are given hereunder:

Name of the Power Station	Energy (MKWH)	Cost (Rs.Lakhs)
Farakka STPS Stg I & II	3401.114	110724
Farakka STPS Stg III	1153.757	45189
Talcher STPS	578.210	16168
Kahelgaon	116.261	3702
Total NTPC	5249.341	175783

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 2018-19, WBSEDCL had purchased hydro power from NHPC (Rangeet HEP, Teesta-V HEP, TLDP III and TLDP IV).

Sudipta Kumbhakar

Chief Engineer (Regulation)
Regulation Department
WBSEDCL

The purchase of energy by WBSEDCL from NHPC (Rangeet HEP, Teesta-V HEP, TLDP III and TLDP IV) during the year 2018-19 along with the associated costs are given hereunder:

Name of the Power Station	Energy (MKWH)	Cost (Rs.Lakhs)
Teesta V HEP	621.623	16546
Rangeet HEP	94.780	3893
TLDP III	553.917	37500
TLDP IV	687.162	21044
Total NHPC	1957.481	78983

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 2018-19, 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 and Jaiprakash through PTC.

The purchase of energy during the year 2018-19 by WBSEDCL through PTC from Chukha HEP, Kurichhu HEP, Tala HEP, Baglihar HEP Adhunik Power, Jhabua and Jaiprakash and the associated costs are given hereunder:

Name of the Power Station	Energy (MKWH)	Cost (Rs.Lakhs)
Chukha HEP	471.801	11331
Kurichhu HEP	32.531	759
Tala HEP	971.669	20988
Baglihar HEP, J & K (SPDC)	516.721	19238
Adhunik Power	482.737	14576
Jhabua	22.777	966
Jaiprakash	60.409	2570
Total	2558.645	70428

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 2018-19, WBSEDCL had purchased thermal power from Maithon Right Bank Thermal Power Station (in short "MRBTSP") through TPTCL. WBSEDCL has also purchase hydro power from Dagachhu HEP through medium –term contact.

Sudipta Choudhury

The purchase of energy during the year 2018-19 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)	Cost (Rs.Lakhs)
Maithan Right Bank TPS	1855.001	79624
Dagachhu HEP	16.991	594
Total	1871.992	80218

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

During the year 2018-19, the quantum of energy drawn by WBSEDCL from KBUNL along with associated cost are given hereunder:

Energy (MKWH)	Cost (Rs.Lakhs)
191.642	11540

i) Purchase of power from HMEL :

During the year 2018-19 the quantum of energy drawn by WBSEDCL from HMEL along with associated cost are given hereunder:

Energy (MKWH)	Cost (Rs.Lakhs)
72.622	2825

j) Co-generation / Renewable Sources of Energy: In the 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 7.0% of total consumption of electricity would be met by WBSEDCL from Co-generation / Renewable sources (including solar) during the year 2018-19.

To meet this requirement, the generation of the mini/micro hydel generating stations, treated as renewable sources of energy, of WBSEDCL for the year 2018-19 is as follows:

Sudipta Choudhury
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

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	30.150	0.301	29.848
Teesta Canal Fall, Hydel PS-I	EHV	29.822	0.298	29.524
Teesta Canal Fall, HydelPS-II	EHV	28.947	0.289	28.657
Teesta Canal Fall, Hydel PS-III	EHV	26.684	0.267	26.417
Richington Hydel PS	HV	3.656	0.037	3.620
Little Rangit Hydel PS	HV	8.475	0.085	8.390
Mangpoo Kalikhola Hydel PS	HV	6.109	0.061	6.048
Sidrabong Hydel PS	HV	0.223	0.002	0.221
Messanjore Hydel PS	HV	7.958	0.080	7.878
Fazi Hydel PS	HV	0.090	0.001	0.089
Total Mini/Micro Hydel Generation:		142.113	1.421	140.692

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 2018-19. The quantum of energy actually purchased by WBSEDCL from different co-generation / Renewable sources of energy during the year 2018-19 along with the associated cost are given hereunder:

Name of the Renewable & Non-conventional Agencies	Energy (MKWH)	Cost (Rs.Lakhs)
WBREDA	0.023	1
Tata Power Company Limited (Haldia)	36.223	674
Electro Steel Casting Limited	49.688	1257
Neora Hydro Limited	8.085	291
Nippon Power Limited	11.475	413
Himadri Chemicals & Industries Ltd	51.146	1687
Shree Renuka Sugars Ltd.	0.000	0
Reshmi Cements Ltd	7.780	160
Bengal Energy Limited	173.499	5481
Concast Bengal India Limited	5.139	164
NVVN (Bundle power with 93.718 MU Solar Power)	490.136	22829
Solitaire	1.900	298
Total :	835.094	33255

Sudipta Choudhury
 Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL

In this context, this is to state that some generators of non-conventional and renewable sources, such as Ennore Coke Ltd, Ramsarup Lohh Udyog Limited and Amrit Bio Energy & Industries Ltd could not supply any power from their power stations in the year 2018-19. The PPA with Tata Power Company Limited expired in September 2018.

In addition, to fulfill the RPO target, following quantum of short term RE power was purchased following guidelines issued by Ministry of Power, Govt. of India 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	319.588	10674

In this context this is to mention that several bids invited by WBSEDCL time to time to procure power Co-generation / Renewable sources on short term basis within the cap price fixed by the Commission to meet the RPO target but those bids failed to get bidder for required quantum of power from Co-generation / Renewable sources which is intimated to the Commission

k) 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 2018-19, 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 (Own/under LTA) or increase of system demand with respect to generation availability (of Own/under LTA) during festival and pre-examination period, at the time of Madhyamik, Higher Secondary/ ISC/ CBSE examination, period or any other time during the year 2018-19.

Actual quantum of short term power purchased through traders and power exchanges during the year 2018-19 by WBSEDCL along with the associated cost are stated hereunder.

Sudipto Choudhury
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Name of the Traders / power exchanges from which short term power purchased	Energy purchased	Cost
	MU	(Rs.Lakhs)
Tata Power Trading Co. Ltd. (TPTCL)	42.838	1870
PTC India Ltd. (PTC)	103.417	4343
DVC	942.403	34630
Arunachal Pradesh Power Development	62.308	2511
Power Exchange India Ltd. (PXIL)	70.539	3635
Indian Energy Exchange Ltd. (IEX)	2630.921	120305
NHPC	27.264	1297
Total :	3879.690	168591

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 9677 lakh were paid as Short term Open Access charge for purchase of above stated short term power in 2018-19. This amount has not been considered in this application for FPPCA for the year 2018-19 as such cost / charge will be considered in the application for Annual Performance Review (in short "APR") for the year 2018-19 as it is transmission charge in nature and a fixed cost item as per Tariff Regulations.

l) Purchase of power from CESC Ltd. :

During the year 2018-19 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)
12.676	829

m) Purchase of power from Govt. of Sikkim :

During the year 2018-19, 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)
0.297	23

Sudipto Munhopadhyay
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

n) Purchase of power from Assam Power :

During the year 2018-19 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)
0.527	52

o) Purchase of power from JVVNL :

During the year 2018-19 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)
0.096	11

8. Deviation Settlement Mechanism (DSM):

During the year 2018-19 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)
768.570	20027

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 393175 for the year 2018-19, 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 2018-19 comes to Rs 52065 Lakhs (1857.600 MU x 280.28 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 18936 lakhs in 2018-19 due to gain sharing after full recovery of variable cost Rs 52065 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 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 @ 280.28 Paise/Kwh (Rs.Lakhs)
1857.600	52065

10. WBSEDCL's liability on account of purchase of power from different power supply agencies during the year 2018-19 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 2018-19 was 231.566 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 2018-19 was 212.647 MU whereas STU loss in the system is considered at normative level of 3.4% on grid power.

12. During the year 2018-19 actual sent-out generation from own generation stations of WBSEDCL has become 1660.913 MU which has been considered in the computation of FPPCA for the year 2018-19. 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	236.766	2.368	234.399	
Jaldhaka Hydel PS Stg-I	EHV	166.864	1.669	165.196	
Total Mini/Micro Hydel Generation:	EHV /HV	142.113	1.421	140.692	Refer para. 7 (J)
Total Hydel Generation:		545.743	5.457	540.286	
Purulia Pumped Storage Project (PPSP)	EHV	1103.944	18.767	1085.177	
Rudranagar Diesel PS	HV	0.000	0.00	0.000	
Solar Project	HV	35.450	0.00	35.450	
Total :		1,685.137	24.224	1,660.913	

13. Pumping energy for Purulia Pumped Storage Project (in short "PPSP"): The gross generation of PPSP in the year 2018-19 was 1103.944 MU. Considering the normative cycle efficiency of PPSP at 74%, the energy required for pumping at PPSP during the year 2018-19 was 1491.816 MU $[1103.944 / 0.74]$.

Considering normative transmission loss @ 3.4% as per Tariff Regulations, the input energy for pumping power of PPSP for the year 2018-19 becomes 1544.323 MU and the same is considered in this FPPCA application for energy balance for the year 2018-19.

14. The energy balance based on actual power purchase, own sent out generation and sale of energy in respect of WBSEDCL for the year 2018-19 is given below which has been considered in the computation of FPPCA for the year 2018-19.

Sudipta Kumbhakar

Chief Engineer (Regulation)
Regulation Department
WBSEDCL

Energy Balance			
Sl. No	Particulars	2018-19	Remarks
		Energy in MU	
1	Own sent out at EHV	1599.218	
2	Gross purchase at EHV	38313.421	
3	Power Swap in at EHV	233.51	
4	Power drawl under UI	768.570	
5	CTU Grid loss	-231.566	
6	Energy Available at EHV (1+2+3+4+5)	40683.153	
7	Normative STU Transmission Loss	1383.227	
8	Sale to licensee inclusive transmission loss (EHV)	117.517	
9	PPSP pumping power from EHV inclusive transmission loss	1544.323	Refer para 13 on pumping energy for PPSP
10	Energy sale to other than licensee and consumer in MU inclusive transmission loss	1857.600	
11	Swap Power out inclusive transmission loss	176.139	
12	Power Out under UI inclusive transmission loss	212.647	
13	Own sent out at 33 KV and Below	61.695	Net own sent out (1599.218+61.695)= 1660.913 MU
14	Gross purchase at 33 KV and Below	616.009	
15	Energy Received for wheeling at 33 KV	51.198	
16	Energy available at WBSEDCL System 16=6-7-8-9-10-11-12+13+14+15)	36120.602	
17	Unit wheeled in MU (including addl. Unit allowed)	51.198	
18	Energy sale to own consumer & DPSC in MU	27716.518	Including 38.404 MU sale to DPSC from Distribution system
19	Own consumption by WBSEDCL	57.750	
20	Un-utilized Units	8295.136	

15. Actual purchase of power by WBSEDCL for sale to own consumer and licensee during the year 2018-19 has been given in the **Annexure-II**.

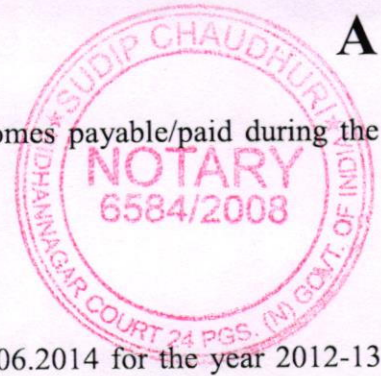
16. Power Purchase bill related to Prior Period:

- DVC has raised bills on account of revision of Energy Charge Rate. Finally Rs.24 Lakhs becomes payable/paid during the year 2018-19 by WBSEDCL to DVC on account of prior period.

Sudipto Choudhury
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

- b) NTPC Limited has raised bills and credit notes on account of RLDC charges, water/ pollution cess Income tax charge, energy charge, capacity charge deferred tax liabilities in the year 2018-19 for prior period. Finally Rs. 252 Lakhs becomes payable/paid during the year 2018-19 by WBSEDCL to NTPC on account of prior period.
- c) NHPC Limited has raised bills related to adjustment of prior period amounting to Rs.968 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 2018-19.
- d) PTC India Limited has raised bills i.r.o APNRL on account of SOC-MOC charge . Finally Rs.9 Lakhs becomes payable/paid by WBSEDCL from PTC India Ltd during the year 2018-19 on account of prior period.
- e) NVVN has raised bills i.r.o Bundle power on account of ATR. Finally Rs.542 Lakhs becomes payable/paid by WBSEDCL from NVVN during the year 2018-19 on account of prior period.
- f) Tata Power Trading Company Limited (TPTCL) has raised bills i.r.o Maithon Power Limited on account of Ash disposal expenditure for the year 2014-15 to 2017-18 and revised tariff order dated 01.10.2019 for 2014-15 to 2018-19 in the year 2018-19 for prior period. Finally Rs. 11979 Lakhs becomes payable/paid during the year 2018-19 by WBSEDCL to TPTCL on account of prior period.
- g) During computation of MVCA for the year 2017-18, 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' 2018 received after 15 th April 2018 was not considered during MVCA computation of March 2018 and thus said MFCA amount is not paid to WBPDCCL. Thus WBPDCCL has raised LPSC amounting to Rs 4345 lakhs during the year 2018-19 on those unpaid and deferred payment of MFCA bills of 2017-18 which becomes payable by WBSEDCL to WBPDCCL on account of prior period.
- h) KVUNL has raised bills and credit notes on account of RLDC charges, water/ pollution cess, Income tax charge, energy charge, capacity charge deferred tax liabilities in the

year 2018-19 for prior period. Finally Rs. 41 Lakhs becomes payable/paid during the year 2018-19 by WBSEDCL to KVUNL.



Apart from above,

- i) As per Fuel Cost Adjustments (FCA) Order dated 06.06.2014 for the year 2012-13 passed by Hon'ble Commission in respect of WBPDC, WBSEDCL had to pay Rs. 95288.57 lakh to WBPDC in 38 (Thirty eight) equal monthly installments after completion of installment payment against FCA order for the year 2011-12. As per accounting principles, the above amount has been accounted in the Annual Accounts of WBSEDCL for the year 2015-16 as Prior period expense. As Rs.5015.187 lakh, Rs.37613.91 lakh Rs.30091.13 lakh were paid to WBPDC respectively in the year 2015-16, 2016-17 and 2017-18 on the above head and accordingly those amount were considered in the FPPCA application of WBSEDCL for the year 2015-16, 2016-17 and 2017-18 against FCA order for 2012-13 of WBPDC.

Further Rs.22568 lakh has been paid in the year 2018-19 in 9 equal installments on the above head which has been considered in this FPPCA application for the year 2018-19 against FCA order for 2012-13 of WBPDC thus the said Rs 22568 lakh has been considered as prior period payment in this FPPCA application.

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

Out of Rs 33540.43 lakh, Rs 16088.11 lakh and Rs 17452.32 lakh were 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 was paid during the year 2017-18 in 4 equal installments on the above head which was considered in the FPPCA application for the year 2017-18. Further, Rs.9653 lakh has been paid during the year 2018-19 in 12 equal installments on the above head which has been considered in this FPPCA application for the year 2018-19.

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

Sudipta Chaudhuri
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

17. The computation of Fuel & Power Purchase Cost for the year 2018-19 has been given in **Annexure-III**.
18. 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 comes to Rs. 15222.29 Crore.
19. As per Annual Accounts, there is no net Deviation Settlement Mechanism (DSM) receivable during the year 2018-19 and net DSM payable during the year 2018-19 is Rs 20027 lakhs. As per Tariff Regulations, Return on Equity (ROE) based on Annual Accounts is computed and ROE becomes Rs. 47229 lakhs during the year 2018-19. 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 2018-19 may now be limited to the amount of ROE, i.e. Rs. 47229 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 2018-19.
20. List of power purchase bill which could not be claimed under MVCA calculation during 2018-19 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 15222.29 Crore for the year 2018-19 in respect of WBSSEDCL.
2. Pass the FPPC amount of Rs 15222.29 Crore in the Annual Performance Review (APR) of the year 2018-19 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 Kumar Choudhury
 Chief Engineer (Regulation)
 Regulation Department
 WBSSEDCL