

## Computation of cost of power purchase during the year 2019-20 [ PPC ]

Name of Power Supply Agency	Energy Purchase		
	Actual Power Purchase cost (PPC)	Power purchase cost as approved by the Commission in the Tariff order for 2019-20 (ppc)	Remarks
	(Rs)	(Rs)	
Long Term			
NTPC Limited (FSTPS)	15,615,600,000	15,660,669,400	
NTPC Limited (TSTPS)	1,641,500,000	1,631,430,400	
NTPC Limited (Kahelgaon-Stage1)	1,149,000,000	1,149,318,000	
NTPC Limited (Darlipalli-Stage1)	210,100,000	210,083,000	
PTC (India) Limited (Chukha)	1,279,800,000	1,279,377,000	
PTC (India) Limited (Kurichhu)	85,600,000	85,595,200	
PTC (India) Limited (Tala )	2,229,600,000	2,227,582,000	
Damodar Valley Corporation - Grid	5,945,600,000	5,952,780,000	
Damodar Valley Corporation -Radial	2,462,600,000	2,891,890,000	
Durgapur Projects Limited at 220 KV	7,982,400,000	0	
Durgapur Projects Limited at 33 KV and 11 KV (Radial)	0	0	
NHPC Limited (Rangeet)	382,100,000	372,351,000	
NHPC Limited (Teesta V)	1,658,300,000	1,539,261,000	
NHPC Limited (TLDP III)	3,807,300,000	3,770,051,000	
NHPC Limited (TLDP IV)	2,101,400,000	2,101,446,000	
Govt. of Sikkim	2,500,000.0	2,016,000	
West Bengal Power Development Corporation Limited (lease rental)	0	76,375,453,000	
West Bengal Power Development Corporation Limited	84,662,700,000		
West Bengal Renewable Energy Development Agency	200,000	176,000	
CESC Limited	55,400,000	52,446,000	
Tata Power Company Limited (Haldia)	0	0	
Electro Steel Casting Limited	71,200,000	71,228,000	
Neora Hydro Limited	26,600,000	26,555,000	
Nippon Power Limited	20,000,000	20,019,000	
Himadri Chemicals & Industries Ltd	115,100,000	115,079,000	
Shree Renuka Sugars Ltd.		0	
Rashmi Ispat	18,600,000	18,293,000	
Reshmi Cements Ltd	69,900,000	69,764,000	
Bengal Energy Limited	719,800,000	719,779,000	
Concast Bengal Ind. Ltd.	14,300,000	13,617,000	
NVVN (Solar Bundle Power)	2,068,100,000	2,066,202,000	
TPTCL (Mithon Right Bank)	7,138,800,000	7,153,065,000	
TPTCL (Dagachhu)	1,795,300,000	1,792,917,000	
PTC (India) Limited (Baglihar HEP, J & K )	2,144,100,000	2,102,494,000	
PTC (India) Limited (Adhunik )	2,137,200,000	2,135,889,000	
PTC (India) Limited (Jhabua )	2,302,100,000	2,302,097,000	
PTC (India) Limited (Jaiprakash )	2,375,400,000	2,375,342,000	
PTC (India) Limited (Mangdechhu )	1,363,500,000	1,863,447,000	
JHARKHAND BIJLI	1,300,000	1,284,000	
Assam Power	5,900,000	5,932,000	
Kanti Bijli	1,351,500,000	1,252,381,000	
Solitaire	80,500,000	80,543,000	
Hiranmayee	113,300,000	143,677,000	
Short term Power			
PTC (India) Limited	718,400,000		
DVC short term	2,066,500,000		
DB Power	94,200,000		
JSWPTC	47,100,000		
NVVNL	1,655,900,000	16,289,805,000	
Tata Power Trading Co. Ltd. (Short term)	1,393,790,000		
Power Exchange India Limited	323,600,000		
Indian Energy Exchange Limited	7,247,400,000		
Short Term-Non solar			
TPTCL	1,342,410,000		
Swap In	2,790,800,000	2,641,241,000	
SUB Total	172,884,300,000	158,562,575,000	
Less:Rebate for timely Payment	-331,100,000		
Less: SLDC-UI FUNDreceived as per Order of Hon'ble Commission vide Case No.WBERC/OA-275/18-19	-1,189,049,000		
TOTAL	171,364,151,000	158,562,575,000	
Average Power Purchase rate ( paise/Kwh)	409.6541	396.0540	
Less: Power purchase cost attributable to sale to other than consumer & licensee @ average energy cost of long term power purchase for the year 2019-20	-3,471,200,000	-4,739,491,000	Refer Annexure- IC
Less: Power purchase cost of swap out	-3,406,900,000		Refer Note No.34 A of Appendix I
Net Import cost for Own Consumer and Licensee	164486051000	153823084000	
TOTAL POWER PURCHASE COST FOR SALE TO CONSUMERS AND LICENSEE UNDER PURVIEW OF WBERC	164486051000	153823084000	

Sd/- *[Signature]*  
 Chief Engineer (Regulation)  
 Regulation Department  
 WRSEDCI



# J Gupta & Co LLP

Chartered Accountants

YMCA Building

Mezzanine Floor

25, Jawaharlal Nehru Road

Kolkata - 700 087

☎ : (033) 40656289 / 40074539

Email : jgupta.co.ca@gmail.com /

cajainarayangupta@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 2019-20 on Purchases of Power and Transmission Charges (read with note no-34 in the Annual Audited Accounts of 2019-20) of Rs. 20,46,078 lakhs (Twenty Lakhs Forty Six Thousand and Seventy Eight Lakhs) excluding the Rebate received amounting to Rs 3333 Lakhs (Three Thousand Three Hundred and Thirty Three Lakhs ) 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:-20012208AAAABB9675

CA H. K. Datta

Partner

Membership No. 012208



Place: Kolkata

Date: 30<sup>th</sup> November, 2020

Chief Engineer (Regulation)  
Regulation Department  
WBSEDCL

Annexure-A			
Statement of Purchase of Power cost, transmission Charges, Other Charges & Operating Charges during the period April 2019 to March 2020			
Sl No	Particulars	Current Cost	Arrear Cost
		(in Lakhs)	
(A)	Purchases of Power from Different Sources		
	<b>Damodar Valley Corporation-Grid</b>		
1	Mejia TPS (V)	11177	3
	Damodar Valley Corporation-Radial	24626	0
	Raghunathpore TPS(RTPS)	48279	0
	Damodar Valley Corporation-Short Term	20665	0
	<b>National Thermal Power Corporation</b>		
2	Farakka STPS Stg I	111975	6559
	Farakka STPS Stg III	44181	2415
	Kahelgaon	11490	-8
	Talcher STPS	16415	-47
	Daripalli	2101	0
3	Govt. of Sikkim	25	0
	<b>National Hydro Power Corporation Limited</b>		
4	Teesta V HEP	16583	1475
	Rangit HEP	3821	0
	Teesta Lower Dam Project III	38073	8416
	Teesta Lower Dam Project IV	21014	3836
	<b>Power Trading Corporation Limited</b>		
5	Chukha HEP	12798	0
	Kurichu HEP	856	0
	Tala HEP	22296	0
	Adhunik Power	21372	11926
	Jhabua	23021	0
	JP Nigrie	23754	0
	SPDC J & K	21441	0
	PTC India Ltd (Short term)	7184	0
	Mangdechhu	13635	0
6	<b>Durgapur Projects Limited</b>		
	DPL ( 220/132 kv )	79824	0
	<b>West Bengal Power Development Corportaion</b>		
7	Bandel TPS (BTPS)	40262	870
	Santalidih TPS (STPS)	141270	3936
	Kolaghat TPS (KTPS)	127825	2920
	Bakreswar TPS (Stage -I)	146642	4445
	Bakreswar TPS (Stage -II)	97580	2940
	Sagardighi TPS (Stage-I)	101285	2924
	Sagardighi TPS (Stage-II)	191763	4161
8	CESC Ltd	554	0
9	Electro Steel Casting Limited	712	0
10	Neora Hydro Limited	266	0
11	Nippon Power	200	0
12	Rashmi Ispat	186	0
13	Kanti Bijli Utpadan Nigam Ltd	13515	202
14	Himadri Chemicals & Industries Ltd	1151	0
15	Rashmi Cement Ltd	699	0
16	DB Power	942	0
17	Bengal Energy Limited	7198	0
18	Assam Power Distribution Company Ltd	59	0
19	Concast Bengal Industries Ltd	143	0
20	Jharkhand Bijlee Vitaran Nigam Ltd	13	0
21	JSW	471	0
22	<b>NTPC Vidyut Vyapar Nigam Ltd.(NVVN)</b>		
	Bundle Power	20681	17
	NTPC Vidyut Vyapar Nigam Ltd. (Short Term)	16559	0
23	<b>Tata Power Trading Corporation Limited</b>		
	Dagachu	17953	0
	Maithon Power Limited	71388	3165
	Tata Power Trading Corporation Limited (Short Term)	27362	0
24	<b>Power Exchange</b>		
	Power Exchange India Limited (PXIL)	3236	0
	India Exchange Exchange Limited (IEX)	72474	0
25	Solitaire Industries	805	-79
26	WBREDA	2	0
27	Hiranmoyee Energy	1133	0
28	SWAP IN	27908	0
29	Deviation Settlement ( UI Payable )	13971	0
	<b>Sub-Total (A)</b>	<b>1742814</b>	<b>60076</b>



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

(B)	<b>TRANSMISSION CHARGES</b>		
30	Power Grid Corporation India Limited	86047	11619
31	WBSETCL	122032	0
32	Power System Operation Corporation Ltd.	258	216
33	Reimbursement of Transmission Charges to NVVN Ltd.	968	0
34	Open Access Charges on Power Purchases		
	Power Trading Corporation Limited	5029	0
	NTPC Vidyut Vyapar Nigam Ltd	624	0
	Tata Power Trading Corporation Limited	5089	0
	Power Exchange India Limited (PXIL)	327	0
	India Exchange Exchange Limited (IEX)	7727	0
	JSW	11	0
	DB Power	21	0
	<b>Sub-Total (B)</b>	<b>228134</b>	<b>11835</b>
(C)	<b>Other Charges</b>		
35	ERPC Charges	16	0
36	SLDC Charges	1701	0
37	ERPC Reactive Energy Charges	1504	0
	<b>Sub-Total (C)</b>	<b>3221</b>	<b>0</b>
	<b>TOTAL(A+B+C)</b>	<b>1974168</b>	<b>71911</b>
Total Expenditure (Current Power Purchases Cost + Arrear Cost)		2046079	

Note :Accounting for Power Purchase expenditure was made on monthly consumption basis without rebate received for timely payment of Power Purchase and Transmission Charges amounting to Rs 3333 Lakhs.



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

## STATEMENT OF PRIOR PERIOD PAYMENT BY WBSEDCL TO WBPDCCL IN 2019-20

Head	Order Reference	Amount due after arrear Installment payment of 2016-17	Amount claimed in FPPCA application for 2017-18	Amount claimed in FPPCA application for 2018-19	Amount due after arrear Installment payment of 2018-19	Arrear installment payment paid in 2019-20	Amount claimed in FPPCA application for 2019-20
		Rs Lakhs	Rs Lakhs	Rs Lakhs	Rs Lakhs	Rs Lakhs	Rs Lakhs
Arrear Capacity charges and Energy Charges	As per Tariff Order dated 07.07.2017	16088	3218	9653	3218	3218	3218

*Sudipta 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 arrear payment made by West Bengal State Electricity Distribution Company limited (WBSEDCL) during the financial year 2019-20 on account of Arrear Capacity Charges and Energy Charges to West Bengal Power Development Company Limited (WBPDC) 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:- 21012208AAAAABX6282

CA H.K. Datta  
Partner, Membership No. 012208  
Place: Kolkata  
Date: 05<sup>th</sup> October, 2021



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

STATEMENT OF PRIOR PERIOD PAYMENT BY WBSEDCL TO  
WBPDCL IN 2019-20

Head	Order Reference	Arrear installment payment paid in 2019-20
		Rs Lakhs
Arrear Capacity charges and Energy Charges	As per Tariff Order dated 07.07.2017	3218
<b>Total</b>		<b>3218</b>



*Sudipta Ghosh*  
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 Average Energy Charge Rate for Long-Term Purchase of Power is 277.03 Paisa/KWH for the financial year 2019-20. Agency Wise details attached in Annexure-A has been verified by us from the books of accounts.

For J Gupta & Co LLP  
Chartered Accountants  
FRN: 314010E/E300029  
LLP No. AAM-2652  
UDIN:- 21012208AAAABZ6162



CA H.K. Datta  
Partner, Membership No. 012208  
Place: Kolkata  
Date: 05<sup>th</sup> October, 2021

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

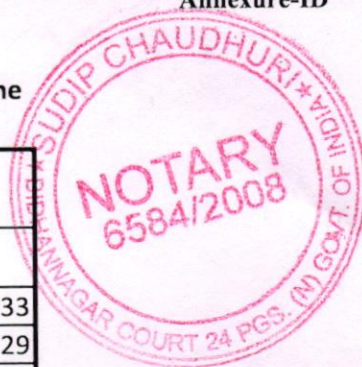
Average Energy Charge Rate for Long-Term Power i.r.o FY 2019-20				
Name of Agency	Purchased Energy	Energy Charge & MFCA Charge if applicable	Energy Charge Rate	Total
Long Term Hydel & Thermal	MU	Rs in Lakhs	(P/Kwh)	Rs in Lakhs
NTPC	5283.445	129111	244.37	186162.000
Kanti Bijli	192.374	5274	274.15	13515
NHPC	2047.409	36527.000	178.41	79491.000
DVC (Mejia V)	206.326	6329	306.75	11177
DVC(RTPS)	1041.117	31300	300.64	48279
WBPDC	19116.729	565049	295.58	846627
PTC-Adhunik	398.830	10746	269.45	21372
TPTCL (Mithon Right Bank)	1464.608	39863	272.18	71388
Over all	29750.838	824199	277.03	1278011



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

**Energy sold to Other than Licencee and Consumer for the  
year 2019-20**

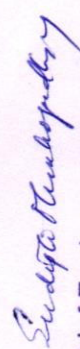
Month	Energy Sold Including Loss
	MU
April	70.833
May	151.229
June	119.111
July	155.598
August	118.857
September	197.086
October	161.550
November	87.622
December	107.910
January	51.097
February	24.187
March	7.924
<b>Total</b>	<b>1253.004</b>



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

**Net Energy purchased during the year 2018-19[ E<sub>imp</sub> ]**
**Annexure - II**

Name of Power Supply Agency	Energy Purchased		Remarks
	Actual Energy Purchased (E <sub>imp</sub> )	Energy purchase as approved by the Commission in the Tariff order for 2019-20 (e <sub>imp</sub> )	
	(MKwh)	(MKwh)	
<b>Long Term</b>			
NTPC Limited (FSTPS)	4,328.804	4,328.803	
NTPC Limited (TSTPS)	536.080	536.080	
NTPC Limited (Kahelgaon-Stage1)	356.491	356.491	
NTPC Limited (Darlipalli-Stage1)	62.070	62.070	
PTC (India) Limited (Chukha)	532.718	532.719	
PTC (India) Limited (Kurichhu)	39.445	39.445	
PTC (India) Limited (Tala )	1,031.288	1,031.288	
Damodar Valley Corporation - Grid	1,247.444	1,247.443	
Damodar Valley Corporation -Radial	545.804	545.804	
Durgapur Projects Limited at 220 KV	1,982.688	-	
Durgapur Projects Limited at 33 KV and 11 KV (Radial)	-	-	
NHPC Limited (Rangeet)	97.983	97.983	
NHPC Limited (Teesta V)	656.166	656.166	
NHPC Limited (TLDP III)	572.305	572.305	
NHPC Limited (TLDP IV)	720.955	720.955	
Govt. of Sikkim	0.375	0.305	
West Bengal Power Development Corporation	19,116.729	19,116.730	
West Bengal Renewable Energy Development	0.044	0.044	
CESC Limited	8.467	8.023	
Tata Power Company Limited (Haldia)	-	-	
Electro Steel Casting Limited	28.153	28.153	
Neora Hydro Limited	7.376	7.376	
Nippon Power Limited	5.561	5.561	
Himadri Chemicals & Industries Ltd	35.322	35.321	
Shree Renuka Sugars Ltd.	-	-	
Rashmi Ispat	8.240	8.240	
Reshmi Cements Ltd	34.319	34.198	
Bengal Energy Limited	224.931	224.931	
Concast Bengal Ind. Ltd.	4.490	4.269	
NVVN (Solar Bundle Power)	439.890	439.890	
TPTCL (Mithon Right Bank)	1,464.608	1,464.608	
TPTCL (Dagachhu)	512.701	512.701	
PTC (India) Limited (Baglihar HEP, J & K )	575.677	575.677	
PTC (India) Limited (Adhunik )	398.830	398.830	
PTC (India) Limited (Jhabua )	538.192	538.192	
PTC (India) Limited (Jaiprakash )	556.060	556.060	
PTC (India) Limited (Mangdechhu )	322.334	510.045	
JHARKHAND BIJLI	0.122	0.122	
Assam Power	0.638	0.642	
Kanti Bijli	192.374	192.374	
Solitaire	6.992	6.992	
Hiranmayee	29.116	29.116	
<b>Short term Power</b>			
PTC (India) Limited	154.886		
DVC short term	457.508		
DB Power	15.227		
JSWPTC	7.613		
NVVNL	431.738	3,928.185	
Tata Power Trading Co. Ltd. (Short term)	354.998		
Power Exchange India Limited	84.720		
Indian Energy Exchange Limited	2,019.579		
<b>Short Term-Non solar</b>			
TPTCL	401.918		
<b>Swap In</b>	681.456	681.456	
<b>TOTAL</b>	<b>41,831.425</b>	<b>40,035.596</b>	
Deviation Settlement Mechanism (DSM) (In)	580.565		
Energy Received for wheeling at 33 KV	155.300	120.783	
<b>Less</b>			
Grid (CTU) loss	294.509	294.510	
STU Transmission Loss	1,465.208	1,383.770	
Deviation Settlement Mechanism (DSM) (Out)	287.909	-	
Sale to persons other than consumer & licensee including Tr. loss	1,253.004	1,196.690	
Power Swap out	864.85	-	
PPSP Pumping Power including Tr. Loss	1,504.492	1,504.490	
Energy wheeled (including loss)	155.300	120.783	
<b>NET IMPORT BY WBSEDCL FOR SALE TO CONSUMERS AND LICENSEE UNDER PURVIEW OF WBERC</b>	<b>36,742.02</b>	<b>35,656.136</b>	

  
 Chief Engineer (Regulation)  
 Regulation Department

Actual fuel and power purchase 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 2019-20**

**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 <sub>O</sub>	Admitted Energy for own consumption by licensee		71.00	
E <sub>SL</sub>	Energy sale to other licensee in MU		52.86	
E <sub>SC</sub>	Energy sale to consumer in MU		31129.717	Own Consumer : 31109.2 MU , DPSCL : 20.517 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 <sub>IUC</sub>	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 <sub>Adm_d</sub>	Admitted Fuel Cost for sale to licensee	$\frac{E_{SL}}{(1 - t \times 0.01)} \times F_{IUC}$	0	
FC <sub>Adm_C</sub> (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 may be allowed under regulation 4.8, commensurate with actual level of energy sales to own consumers and / or licensees	FC <sub>Adm_d</sub> + FC <sub>Adm_C</sub>	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.		164486051000	Refer Annexure - I

*Sudipto Kumar Dasgupta*  
**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 <sub>g</sub>	Actual energy sent out in MU from own generating station		1621.793	
E	excess amount of auxiliary energy consumption in MU		0.00	
E <sub>p</sub>	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)	36,742.020	
E <sub>O</sub>	Admitted Energy for own consumption by licensee		71.00	
E <sub>sc</sub>	Energy sale to consumer in MU		31129.717	
E <sub>SL</sub>	Energy sale to other licensee in MU		52.86	
E <sub>Adm</sub>	Admitted Amount of Energy entitled for purchase	$= \frac{E_{sc} + E_O}{(1 - d \times 0.01)} + \frac{E_{SL}}{(1 - t \times 0.01)} - E - E_g$	36251.983	
E <sub>E</sub>	Excess energy purchased	E <sub>p</sub> - E <sub>Adm</sub>	490.037	
EP <sub>Avg</sub>	Average cost of power purchase ( paise/Kwh)		409.65	
C <sub>D</sub> (in Rs.)	Cost disallowable by the Commission in terms of Regulation 2.8.6.1 of Tariff Regulations 2011:	= E <sub>E</sub> x EP <sub>AVG</sub>	20075	ROE=46154 Lakh > E <sub>E</sub> xEP <sub>Avg</sub> , calculation sheet of ROE is enclosed as Annexure-III A

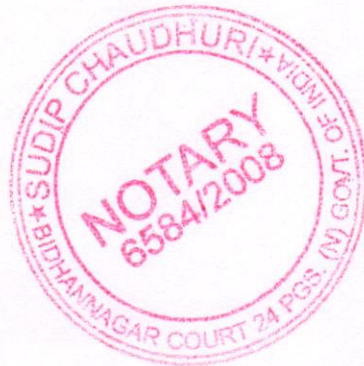
A (in Rs.)	Adjustment, if any, to be made in the current period to account for any excess / shortfall in recovery of fuel and power purchase cost in the past adjustment period based on directions / orders of the Commission.		6329400000	Prior period adjustment considered: (Refer para 17 of the application) DVC - Rs 3 lakh, NTPC - Rs 8919 lakh, NHPC - Rs 13727lakh, PTC - Rs 11926 lakh, TPTCL - Rs 3165 lakh, NVVNL- Rs 17 Kanti Bijli Utpadan Nigam- Rs 202 Lakh, Power Exchange- 2 Lakh Solitair-( -)Rs79Lakh WBPDC -Rs 25414lakh
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 <sub>D</sub> ) + (± A)}	170815430925	

*Sudipta Choudhury*  
 Chief Engineer (Regulation)  
 Regulation Department  
 WRSEDCI

**Form 1.20(a) : Equity Base**

Annexure-III A (1/3)

Ref.	Particulars	Basis	Rs. In Lakhs		
			2019-20		Total
			Distribution	Generation Actual	
(1)	Equity Base				
1	Actual equity base at the beginning of the year		221423	7010	228433
2	Admissible equitybase at the beginning of the year		221423	7010	228433
3	Actual addition/deletion to Equity Base for the year		4594	1158	5752
4	Actual equity base at the end of the year	1+3	226017	8168	234185
5	Net addition to the original cost of Fixed Assets during the year	Note 1 of Annual Accounts 2019-20	374560	23972	398532
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 cted in terms of regulation 5.15.1(iv)		374560	23972	398532
8	Normative Equity %		30%	30%	30%
9	Normative addition to equity base	30% of (7)	112368	7192	119560
10	Addition to Equity base considered for the year	lower of 3 and 9	4594	1158	5752
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)	4594	1158	5752
13	Admissible equity base at the closing of the year	(2+12)	226017	8168	234185
14	Average admissible equity base for allowing return	(2+13)/2	223720	7589	231309



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

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

Annexure IIIA(2/3)

Ref.	Particulars	Basis	Actual
	Debt		2019-20
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	$B2 = A2 + G2$	

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

Form 1.22 : Return on Equity

Annexure IIIA(3/3)

Rs. In Lakhs					
2019-20					
Actual					
Ref.	Particulars	Basis	Distribution	Generation	Total
(1)	Average Equity Base	Form 1.20 (a)	223720	7589	231309
(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		44729	1425	46154

NB: 19.99 % & 18.78 % is effective tax rate of WBSEDCL for 2019-20 for Distribution & Generation function respectively

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

## STATEMENT OF POWER PURCHASE BILL NOT CONSIDERED IN MVCA

Annexure-IV

Name of the Agency	MU	Power Purchase (Rs inLakh)	Remarks
<b>Damodar Valley Corporation</b>			
Grid-Mejia 5	0.000	123	Bill not recived upto 15 th April'20
Sum			
RTPS	0.000	-195	Bill not recived upto 15 th April'20
<b>West Bengal Power Development Corporation</b>			
KTPS	0.000	26738	MFCA of all the power plant of WBPDC for the month June '19 except Bakreshwar stage 2 and MFCA for all power plant of WBPDC from July'19 to March'20 not cosidered as communicated vide letter dated 08.07.2020 and LPSC
BKTPS	0.000	17616	
BKTPS(Stg-II)	0.000	10691	
BTPS	0.000	7640	
STPS	0.000	17676	
SGTPS(Stg-I)	0.000	16653	
SGTPS(Stg-II)	0.000	19424	
	0.000	23168.000	
<b>Power Trading Corporation Limited</b>			
Chukha	0.000	4	In MVCA bill considered as bill receive
Kurichu	0.000	0	
Tala	0.000	20	In MVCA bill considered as bill receive
SPDC	0.000	9	
Adhunik	0.000	13	Bill not recived upto 15 th April'20
Jhabua	0.000	0	
Jaiprakash	0.000	1	rounding error
Mangdechhu	-187.711	-4999	In MVCA energy considered as per REA
STOA			
Sum			
<b>National Hydro Power Corporation Limited</b>			
Teesta V	0.000	1190	Bill not recived upto 15 th April'20
Rangit	0.000	97	Bill not recived upto 15 th April'20
Short-term			
<b>Durgapur Projects Limited</b>			
DPL(220/132 KV)	1982.688	79824.000	DPL bill not considered for FY 2019-20 in MVCA in absence of Tariff order after marging of DPL
DPL(others)			
WBREDA	0.000	0	
Govt of Sikkim	0.069	5	Bill not recived upto 15 th April'20
CESC	0.444	30	Bill not recived upto 15 th April'20
India Power Corporation			
Hiranmayee	0.000	0	
<b>Tata Power Trading Corporation Limited</b>			
Maithon Power	0.000	-143	Bill not recived upto 15 th April'20
Dagachhu	0.000	24	last month bill considered @349.70p/kwh
<b>NTPC Vidyut Vyapar Nigam</b>			
Bundle Power	0.000	19	In MVCA bill considered as received basis
Reimbursement of Transmission Charges			
Concast Bengal	0.221	7	Bill not recived upto 15 th April'20
India Exchange			
swap in	0.000	1496	

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