



पश्चिम बंगाल WEST BENGAL



BEFORE THE HONOURABLE WEST BENGAL
ELECTRICITY REGULATORY COMMISSION, KOLKATA

File No. _____

Case No. _____

IN THE MATTER OF:

Supplementary to the Fuel and Power Purchase Cost Adjustment (FPPCA) application of West Bengal State Electricity Distribution Company Limited (WBSEDCL) for the year 2020-21 as per regulations 2.8.7 read with 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.

B. N. SAHA
NOTARY
Bikash Bhawan
North Block, Gr. Floor
Bidhannagar, Kolkata
West Bengal

28 JUL 2022

Sudipta Mukhopadhyay
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

142002

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

NAME.....
ADD.....
Re.....
29 DEC 2021
SURANJAN WUKHERJEE
Licensed Stamp Vendor
C. C. Court
2 & 3, K. S. Roy Road, Kol-1

29 DEC 2021
29 DEC 2021



B. N. SAHA
NOTARY
11/11/2021
11/11/2021
11/11/2021
11/11/2021

Chief Engineer (Regulation)
Regulation Department
WBSEERC

29 DEC 2021



BEFORE THE NOTARY PUBLIC

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 6 with Annexure - III and IIIA 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

Deponent

Date:

Sudipta Mukhopadhyay
Chief Engineer (Regulation)
Regulation Department
WBSEDCL

B. N. SAHA
NOTARY
Bikash Bhavan
North Block, Gr. Floor
Bidhannagar, Kolkata
West Bengal

IDENTIFIED BY ME

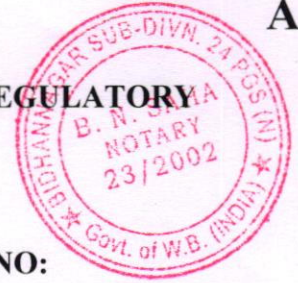
[Signature]
ADVOCATE

Solemnly Affirmed
&
Declared Before me
in Identification of Advocate

[Signature]
B. N. SAHA
Notary

28 JUL 2022

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



FILLING NO:

CASE NO.

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

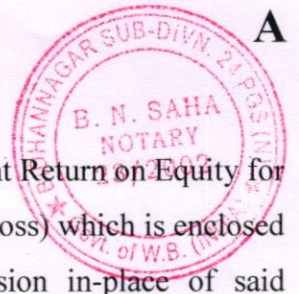
AND

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

1. The West Bengal State Electricity Distribution Company Limited, hereinafter referred to as “WBSEDCL” is a Distribution Licensee under Electricity Act, 2003 and engaged in the business of generation, distribution and supply of electricity.
2. That the Fuel and Power Purchase Cost Adjustment (“**FPPCA**”) application 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 has been submitted by WBSEDCL on 08/06/2022 for determination of FPPC for the year 2020-21.
3. That WBSEDCL submitted additional information on 13/07/2022 regarding change in actual value of equity base for distribution function (without considering accumulated loss) and generation function at the beginning of the year 2019-20. After considering actual equity addition, actual equity base at the closing of the year 2019-20, due to above change of opening equity, is as follows:

Ref	Equity Base	Basis	Distribution	Generation	Total
			Actual		
1	Actual equity base at the beginning of the year (Rs in Lakhs)		225674	10200	235874
2	Actual addition/deletion to Equity Base for the year (Rs in Lakhs)		343	1158	1501
3	Actual equity base at the end of the year (Rs in Lakhs)	1+2	226017	11358	237375

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 Regulation Department
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4. That in corollary to the above, computation of equity base and consequent Return on Equity for the year 2020-21 is being done afresh (without considering accumulated loss) which is enclosed herewith as Annexure-III A for consideration of Hon'ble Commission in place of said Annexure submitted along with FPPCA application of WBSEDCL for 2020-21
5. That in view of above changes made in computation of ROE, FPPC is recomputed as per relevant formula as specified in Schedule 7A and Regulation 2.8.6.1 of Tariff Regulation 2011 and FPPCA becomes Rs 17297.97 Crore for 2020-21. Related form Annexure III is enclosed herewith for consideration of Hon'ble Commission in place of the said form submitted along with FPPCA application for 2020-21 during passing order.
6. In view of the aforesaid facts and circumstances, it is humbly prayed that this Hon'ble Commission may graciously be pleased to take this supplementary application on record and kindly pass appropriate orders.

PRAYER:

It is humbly prayed that Hon'ble Commission may be pleased to:

1. Admit the Supplementary Application to the FPPCA application for the year 2020-21.
2. Approve Fuel and Power Purchase Cost (FPPC) of Rs. 17297.97 Crore for the year 2020-21 in respect of WBSEDCL.
3. Pass the FPPCA amount of Rs. 17297.97 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.

Sudipte Munhopadhyay
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 , DPSCCL : 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 Chakraborty
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:	$= E_E \times EP_{AVG}$	3754700000	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	<p>Prior period adjustment considered: (Refer para 17 of the application)</p> <p>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 WBPDC -Rs (-)11512 lakh</p>
FPPC (In Rs.)	Actual fuel and power purchase cost admitted against energy sold to own consumers and other licensee during adjustment period	$\{FC + (PPC - C_D) + (\pm A)\}$	172979700000	

Sudipta Choudhury
Chief Engineer (Regulation)
Regulation Department
WBSEDCL



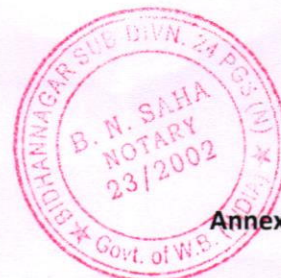
Form 1.20(a) : Equity Base

Annexure-III A (1/3)

Rs. In Lakhs

Ref.	Particulars	Basis	2020-21		
			Distribution	Generation	Total
			Actual		
(1)	Equity Base				
1	Actual equity base at the beginning of the year		226017	11358	237375
2	Admissible equitybase at the beginning of the year		226017	0	226017
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	11358	240461
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	0	229103
14	Average admissible equity base for allowing return	(2+13)/2	227560	0	227560

Sandipta Harshopadhyay
 Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL



Annexure IIIA(2/3)

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

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 normativedebt 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	$B2 = A2 + G2$	

Sudipta Chakrabarty
 Chief Engineer (Regulation)
 Regulation Department
 WBSEDCL



Annexure IIIA(3/3)

Form 1.22 : Return on Equity

Rs. In Lakhs

Ref.	Particulars	Basis	2020-21		
			Actual		
			Distribution	Generation	Total
1	Average Equity Base	Form 1.20 (a)	227560	0	227560
2	Rate of Return	For Distribution function:16.5% For Generation Fuction:15.5%	16.50%	15.50%	
3	Return on equity considered as normative loan(@8.5%)		0	0	0
4	Return on equity		37547	0	37547

Sudipta Mukhopadhyay
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WBSEDCL