

**PUBLIC NOTICE
REQUEST FOR PUBLIC RESPONSE**

Petition for Approval of True-up of FY 2019-20, Aggregate Revenue Requirement (ARR) for 2020-21 along with ARR and Determination of Tariff for FY 2021-22

1. New Delhi Municipal Council (hereinafter referred to as "NDMC") has filed Petition before the Hon'ble Delhi Electricity Regulatory Commission (hereinafter referred to as "Commission") for True-up of FY 2019-20, ARR for 2020-21 and ARR & Determination of Tariff for FY 2021-22 on 30th January/1st February 2021 under the provisions of the Electricity Act, 2003, *Delhi Electricity Regulatory Commission (Business Plan) Regulations, 2017*, *Delhi Electricity Regulatory Commission (Business Plan) Regulations, 2019* and the *Delhi Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2017* notified vide notification dated 31st January, 2017. Delhi Electricity Regulatory Commission has admitted the Petition vide Order dated 19/02/2021.
2. The salient features of Petition are provided below:

Table 1: Summary of ARR and Revenue for NDMC at existing Retail Supply Tariff

S. No.	Particulars	Units	FY 2019-20	FY 2021-22
A.	Energy Input for sale to consumers	MU	1411.43	1499.66
B.	Energy Billed	MU	1272.05	1357.19
C.	Distribution Losses for the year	%	9.87%	9.50%
D.	AT&C Losses for the year	%	13.74%	9.95%
E.	Power Purchase (includes Transmission) Cost	Rs. Crore	971.03	887.20
F.	O&M Expenses	Rs. Crore	364.05	468.64
G.	Depreciation	Rs. Crore	35.04	38.13
H.	RoCE (Return + Interest)	Rs. Crore	48.47	50.86
I.	Income tax	Rs. Crore	0.00	0.00
J.	Less: Non-Tariff Income	Rs. Crore	3.68	4.00
K.	Aggregate Revenue Requirement	Rs. Crore	1414.92	1440.83
L.	Revenue available at Existing Tariff	Rs. Crore	1279.28	1324.06
M.	Revenue Gap at Existing Tariff	Rs. Crore	(135.64)	(116.77)

3. **Recovery of Revenue Gap:** As per the ARR and Revenue at the existing tariff, NDMC has a revenue gap of Rs.135.64 Crore for FY 2019-20 and Rs.116.77 Crore for FY 2021-22. NDMC has requested Hon'ble Commission to decide appropriate hike in tariff so as to meet the Revenue Gap.
4. Performance of NDMC during FY 2019-20: The Distribution losses in 2019-20 were 9.87% and A&TC loss level in 2019-20 were 13.74% with a collection efficiency of 95.71%. Going forward, NDMC has assumed Distribution losses and AT&C loss of 9.50% and 9.95% respectively for FY 2021-22.
5. In accordance with the provisions of *Delhi Electricity Regulatory Commission Comprehensive (Conduct of Business) Regulations, 2001* notified by the Commission, the consumers and stakeholders are requested to submit the response on the above Petition. The response may be sent to the Secretary of the Commission at the following address by 26/03/2021 or date of Public Hearing, whichever is later. The response may be submitted personally or by post to the Commission at the address given below. The response can also be e-mailed to the Secretary of the Commission at the e-mail address mentioned below: -

DELHI ELECTRICITY REGULATORY COMMISSION

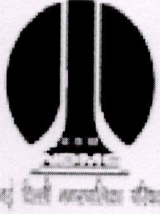
Viniyamak Bhawan, C-Block, Shivalik, Malviya Nagar, New Delhi 110017

Email id: secyderc@nic.in Telefax 011-22673608

6. The Commission may hold a Public Hearing (virtually/in person) with the stakeholders; and the date of hearing may be notified separately.
7. A copy of the Petition can be purchased from the head office of the Petitioner located at Palika Kendra, Sansad Marg, New Delhi – 110001 on any working day till 26/03/2021 or date of Public Hearing, whichever is later, between 11:00 a.m. and 4:00 p.m. on payment of Rs.25/- per CD or Rs.100 per Hard Copy either by cash or by Demand Draft / Pay Order in favour of "Secretary NDMC" payable at New Delhi.
8. The complete Petition is available at our Website (www.ndmc.gov.in) as well as at the website of the Commission (<http://www.derc.gov.in>). Copy of the Petition is available for inspection at our Head Office as well as at the Commission's office at the addresses provided herewith, on any working day till 26/03/2021 or date of Public Hearing, whichever is later, between 11:00 a.m. to 4:00 p.m.

For NDMC

Secretary

**NEW DELHI MUNICIPAL COUNCIL**

PALIKA KENDRA, SANSAD MARG, NEW DELHI - 110001

D.No. **95/AEE (POWER)**Dated **30-01-2021**

To,
The Secretary /Executive Director (Tariff)
Delhi Electricity Regulatory Commission
Vinimayak Bhawan, Shivalik
C-Block Malviya Nagar
New Delhi -110017

Sub: Tariff Petition for FY 2021-22 – Regarding

S.H.: Submission of Tariff Petition for ARR of FY 2021-22

Ref: DERC Letter No. F.3(634)/Tariff-Engg/DERC/Part-File/2020-21/6981/2370
dated 18/01/2021.

In reference to aforementioned letter, attached herewith, please find the Tariff
Petition of NDMC of FY 2021-22 for kind approval of the Commission.

Soft copy of the Revised Petition shall be emailed to Deputy Director (Tariff-
Economics) at e-mail-id ddteco@derc.gov.in

Arvind Gaur
Director (Power)

Encl: as above

Arvind Gaur
Director (Power)
New Delhi Municipal Council
Palika Kendra, New Delhi-110 001

**BEFORE THE
HON'BLE DELHI ELECTRICITY REGULATORY COMMISSION, NEW
DELHI**

**True-up of FY 2019-20 along with Annual Revenue
Requirement (ARR) for FY 2020-21 and ARR & Determination
of Tariff for FY 2021-22**

Volume I



NEW DELHI MUNICIPAL COUNCIL

PALIKA KENDRA, SANSAD MARG, NEW DELHI -110001

Submitted by

NEW DELHI MUNICIPAL COUNCIL

Arvind Gaur
Director (Power)
New Delhi Municipal Council
Palika Kendra, New Delhi-110 001



सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

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Arvind Gaur
Director (Power)
New Delhi Municipal Council
Pafika Kendra, New Delhi-110 001

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413393/2021/Power Deptt.

Before the Delhi Electricity Regulatory Commission, New Delhi

File No.:

Case No.:

IN THE MATTER OF:

Petition for the approval of True-up for FY 2019-20, ARR for FY 2020-21 along with ARR and Determination of Tariff for FY 2021-22

AND

IN THE MATTER OF

New Delhi Municipal Council, New Delhi -110001-

PETITIONER

AFFADVIT VERIFYING THE PETITION

I **Arvind Gaur**, Director (Power), NDMC do hereby solemnly affirm and state as follows.

1. That I am Director (Power) of NDMC and I am conversant with the facts of the case.
2. That the statement made above in the accompanying True-up petition for FY 2019-20 and corresponding determination of tariff for FY 2021-22 for NDMC is based in records believed by me to be true



DEPONENT

Arvind Gaur
Director (Power)
New Delhi Municipal Council
Palika Kendra, New Delhi-110 001

VERIFICATION

Verified on this 29th day of January, 2021 that the contents of the affidavit are true to the best of my knowledge and belief and nothing has been concealed thereof.



DEPONENT

Arvind Gaur
Director (Power)
New Delhi Municipal Council
Palika Kendra, New Delhi-110 001

Before The
Delhi Electricity Regulatory Commission, Delhi

IN THE MATTER OF: Approval of True Up for FY 2019-20 along with Annual Revenue Requirement (ARR) for FY 2020-21 and ARR & Determination of Tariff for FY 2021-22.

AND

IN THE MATTER OF: New Delhi Municipal Council Palika Kendra, Sansad Marg, New Delhi – 110001 ("NDMC")

The applicant respectfully submits as hereunder that: -

- 1.1 NDMC (hereinafter referred to as "NDMC" or "Petitioner") is a Municipal Council entrusted with the distribution of electricity to the consumers in the New Delhi Municipal area under Section 195 to 201 of the New Delhi Municipal Council Act 1994 enforced with the approval of Parliament of India.
- 1.2 Section 197 of the New Delhi Municipal Council Act, 1994 states that, "Subject to the provision of this Act the Council shall in respect of the New Delhi areas under its jurisdiction have all the powers and obligations of the licensee under the Electricity Act, 1910."
- 1.3 As per Section 200 of the New Delhi Municipal Council Act 1994, NDMC has the power to fix charges to be levied for the electricity supplied by it, subject to the provisions of any law for the time being in force.
- 1.4 The Govt. of India had notified the Electricity Act, 2003 on 10th June, 2003 repealing the Indian Electricity Act-1910, the Electricity (Supply) Act 1948 and the Electricity Regulatory Commission Act, 1998.
- 1.5 NDMC has been considered as the deemed distribution licensee under the Electricity Act 2003 in respect of the area under New Delhi Municipal Council.
- 1.6 Pursuant to the enactment of the Electricity Act 2003, the Hon'ble Delhi Electricity Regulatory Commission (DERC) has framed Regulations specifying the terms and conditions for determination of tariff as amended from time to time as summarized



below:

- Delhi Electricity Regulatory Commission regulations vide notification dated 30th May, 2007 specifying Terms and Conditions for Determination of Tariff for Generation, Transmission and Distribution of electricity under the Multi Year Tariff (MYT) framework for the period FY08 – FY11.
 - DERC Wheeling Tariff and Retail Supply Tariff) Regulations, 2011 vide notification dated December 02, 2011, specifying Terms and Conditions for Determination of Tariff for Distribution of electricity under the Multi Year Tariff (MYT) framework for the second control period i.e., period FY13 - FY16.
 - DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017 (hereinafter would be referred as 'DERC Tariff Regulations, 2017') vide notification dated Jan 31, 2017.
- 1.7 NDMC had filed Petition No. 19 of 2017 for True-up for 2014-15 and review of ARR for FY 2015-16 and Business Plan and MYT petition for 3rd control period FY 2016-17 to FY 2020-21 and corresponding tariff determination for FY 2016-17 and filed subsequent Petition No. 28 of 2017 for True-up for FY 2015-16, Revised ARR for FY2016-17, and corresponding determination of tariff for FY 2017-18.
- 1.8 The Hon'ble Commission disposed-off both the petitions vide its letter F.11(1388/DERC/2016-17/ dated Aug 31, 2017. In the said order, the Hon'ble Commission approved the true-up for 2014-15 and 2015-16 and determined the tariff for FY 2017-18.
- 1.9 NDMC submitted the petition for True-up of FY 2016-17 in accordance with the provisions of the DERC Wheeling and Retail Tariff Regulations, 2011. Further, the revised ARR for FY 2017-18, and the ARR and corresponding Tariff for FY 2018-19 was submitted by NDMC in accordance with the DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017. The said petition was filed in Case No. 07/2018 and the Hon'ble Commission disposed of the petition vide its order dated Mar 28, 2018.
- 1.10 NDMC has filed the petition 10/2019 for the True-up of FY 2017-18, Revised ARR for FY 2018-19 & ARR and determination of Tariff for FY 2019-20 in accordance with the DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017. The Hon'ble Commission disposed of the petition vide its order dated July 31, 2019
- 1.11 NDMC has filed the revised petition 7/2020 for the True-up of FY 2018-19, and ARR and Tariff for FY 2020-21 in accordance with the provisions of DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017. Hon'ble Commission disposed of the petition vide its order published on October 19, 2020.
- 1.12 NDMC filed 2 review petitions 1. Review petition dated 21/09/2020 against increase in Allocation of PPS-III Bawana Power Station and 2. Review petition dated 20/01/2021

against certain disallowances made by Hon'ble Commission in its order published on October 19, 2020.

- 1.13 By means of this petition, NDMC is submitting the True-up of FY 2019-20 and ARR for FY 2020-21 and ARR & Tariff for 2021-22 in accordance with the provisions of DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017
- 1.14 While submitting this information, NDMC has made efforts to adhere to most of the Regulations framed by the Hon'ble Commission.
- 1.15 Formats for ARR and Tariff Filing have been enclosed as Volume II along with a soft copy in CD.
- 1.16 NDMC requests the Hon'ble Commission to approve True Up for FY 2019-20 and determination of Annual Revenue Requirement (ARR) and Tariff for FY 2021-22.

Prayer to the Hon'ble Commission

- 1.17 NDMC respectfully prays the Hon'ble Commission to:
- (a) Consider the submissions and approve True-up for FY 2019 -20 and review and approve the projected ARR and Tariff for FY 2021-22 as proposed in the petition as per the provisions of DERC Tariff Regulations, 2017.
 - (b) Examine the proposal submitted by NDMC for a favorable dispensation as detailed in this document.
 - (c) Condone any inadvertent omissions / errors / shortcomings and permit NDMC to add/change/modify/alter this filing and make further submissions as may be required at a future date.
 - (d) Pass such further order, as the Hon'ble Commission may deem fit and appropriate keeping in view the facts and circumstances of the case.
 - (e) Allow the submission of additional / supplementary information as may be required or necessary from time-to-time.

New Delhi Municipal Council
New Delhi

Dated: January 29, 2021

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Arvind Gaur
Director (Power)
New Delhi Municipal Council
Palika Kendra, New Delhi-110 001

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LIST OF ABBREVIATIONS

Abbreviation	Explanation
ARR	Aggregate Revenue Requirement
AT&C Loss	Aggregate Technical and Commercial Loss
A&G	Administrative and General
BST	Bulk Supply Tariff
BTPS	Badarpur Thermal Power Station
CAG	Comptroller and Auditor General
CAGR	Compounded Annual Growth Rate
CCGT	Combined Cycle Gas Turbine
CERC	Central Electricity Regulatory Commission
CEA	Central Electricity Authority
CPI	Consumer Price Index
CWIP	Capital Work in Progress
DERC	Delhi Electricity Regulatory Commission
DISCOM	Distribution Companies (BRPL, BYPL, TPDDL & NDMC)
DMRC	Delhi Metro Rail Corporation
DMSWSL	Delhi MSW Solutions Limited
DTL	Delhi Transco Ltd
E-Tax	Electricity tax
EDWPCL	East Delhi Waste Processing Company Private Limited
FY	Financial Year
GFA	Gross Fixed Assets
GoNCTD	Government of National Capital Territory of Delhi
HT	High Tension
IEX	Indian Energy Exchange
kV	Kilo Volt
kVA	Kilo Volt Ampere
kVAh	Kilo Volt Ampere Hour
kWh	Kilo Watt Hour

LT	Low Tension
MNRE	Ministry of New and Renewable Energy
MU	Million Units
MW/KW	Mega Watt/ Kilo Watt
MYT	Multi Year Tariff
NDMC	New Delhi Municipal Council
NTI	Non-Tariff Income
O&M	Operation and Maintenance
OCFA	Original Cost of Fixed Assets
PGCIL	Power Grid Corporation of India Ltd
PLF	Plant Load Factor
PPAC	Power Purchase Cost Adjustment Charge
PPCL	Pragati Power Corporation Ltd.
PXIL	Power Exchange India
RAPP	Rajasthan Atomic Power Project
REC	Renewable Energy Certificate
R&M	Repairs and Maintenance
RoCE	Return on Capital Employed
RPO	Renewable Purchase Obligation
RRB	Regulated Rate Base
SBU	Strategic Business Unit
SGS	State Generating Station
SLDC	State Load Dispatch Centre
T&D	Transmission & Distribution
TOWMCL	Timarpur Okhla Waste Management Co. Pvt. Ltd.
TPS	Thermal Power Station
UI	Unscheduled Interchange
UMPP	Ultra-Mega Power Project
UoM	Unit of Measurement
WACC	Weighted Average Cost of capital
WPI	Wholesale Price Index

YoY	Year on Year
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1 INTRODUCTION

1.1 NDMC Overview

- 1.1.1 New Delhi Municipal Council (NDMC) is a Municipal Council entrusted with the distribution of electricity to the consumers in the New Delhi area under Section 195 to 201 of the New Delhi Municipal Council Act 1994. NDMC has the obligations of a Licensee under the Indian Electricity Act 1910 in respect of the New Delhi Area.
- 1.1.2 Under Section 200 of the New Delhi Municipal Council Act 1994, NDMC has the powers to fix charges to be levied for the electricity supplied by it, subject to the provisions of any law for the time being in force.
- 1.1.3 Govt. of India notified the Electricity Act, 2003 on June 10, 2003 repealing the Indian Electricity Act-1910, the Electricity (Supply) Act 1948 and the Electricity Regulatory Commission Act, 1998.
- 1.1.4 NDMC has been considered as the deemed distribution licensee under the Electricity Act 2003 in respect of the area under New Delhi Municipal Council.
- 1.1.5 Till March 31, 2007, Delhi Transco Limited (DTL) was the sole entity responsible for the bulk procurement and bulk supply of power in Delhi. All the DISCOMs in Delhi had to purchase power from DTL at an approved Bulk Supply Tariff (BST) based on their capacity to pay. On June 28, 2006, GoNCTD issued a set of Policy Directions for making power supply arrangements in Delhi from 1st April, 2007. These Policy Directions were issued under Section 108 of the Electricity Act, 2003 (hereinafter referred to as the 'Act').
- 1.1.6 With effect from April 01, 2007, the responsibility for arranging supply of power in Delhi for its own licensed area rests with the NDMC in accordance with the provisions of the Electricity Act 2003.

1.2 Procedural History

- 1.2.1 NDMC had filed the petition (7/2020) for the True-up of FY 2018-19, ARR for FY 2019-20 & ARR and determination of Tariff for FY 2020-21 in accordance with the DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017. The Hon'ble Commission disposed of the petition vide its order published on October 19, 2020.
- 1.2.2 NDMC filed 2 review petitions 1. review petition dated 21/09/2020 against increase in Allocation of PPS-III Bawana Power Station and 2. review petition dated 20/01/2021 against certain disallowances made by Hon'ble Commission in its order published on October 19, 2020.

1.3 Current Submission

- 1.3.1 The Hon'ble Commission issued Regulations vide notification dated Jan 31, 2017, specifying Terms and Conditions for Determination of Tariff for Generation,

Transmission and Distribution of electricity under the Delhi Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2017 (DERC Tariff Regulations, 2017). The said regulations were made effective from Feb 1, 2017.

1.3.2 By means of this petition, NDMC is submitting the True-up for FY 2019-20 and seeks approval of ARR and Tariff approval for FY 2021-22 as per provisions of DERC Tariff Regulations, 2017.

1.3.3 NDMC has made genuine efforts for compiling all relevant information as required by the regulations issued by the Hon'ble Commission and has also made every effort to ensure that information provided to the Hon'ble Commission is accurate and free from material errors. Any additional information required by the Hon'ble Commission shall be made available to the extent the same is available with NDMC.

1.4 Contents

1.4.1 The following sections explain in detail the truing-up of the ARR for the FY 2019-20. The Petitioner is not proposing any deviation from the approved ARR for FY 2020-21 and therefore the approved parameters are being submitted without any deviation. Any changes between approved and actuals can be taken up at the time of truing-up. For FY 2021-22, the Petitioner has submitted all requisite information to project the ARR and corresponding Tariff determination information.

- Category wise Energy Sales & Revenues at existing tariffs.
- AT&C Losses and Energy Requirement
- Determination of Annual Revenue Requirement by forecast of the following costs, other income & returns:
 - Power Purchase Cost
 - Operation and maintenance Expenses
 - Depreciation
 - Return on Capital Employed
 - Non-Tariff Income

2 TRUE UP FOR FY 2019-20

2.1 Background

- 2.1.1 The tariff for FY 2019-20 was approved by the Hon'ble Commission vide its order dated July 31, 2019. The tariff was determined as per Tariff Regulations 2017.
- 2.1.2 In this petition, the Petitioner is submitting the actual expenses and revenue for FY 2019-20. Accordingly, the true-up amount has been calculated as detailed in this section and Gap has been carried forward to the Aggregate Revenue Requirement of FY 2021-22.

2.2 Energy Sales

- 2.2.1 NDMC has provided the category-wise energy sales data for FY 2019-20 in the table below. The actual energy sales for FY 2019-20 were 1272.052 MU compared against the approved energy sales of 1253.220 MU. As may be observed, the energy sales have increased marginally in comparison to approved sales in FY 2019-20 as shown in the table below:

Table 1: Category-wise Sales for FY 2019-20 (in MU)

S. No.	Category	Approved in Tariff Order FY 2019-20	Actual
1	Domestic	250.16	273.591
2	Non-domestic	251.54	260.462
3	Mixed Load	676.45	671.049
4	Industrial (Small Industrial Power)	0.05	0.015
5	Public Lighting	7.80	7.101
6	DMRC	53.17	44.653
7	Temporary Connection	-	14.890
8	Others	14.05	-
9	J J Cluster	-	0.291
	Total	1,253.23	1,272.052

2.3 Revenue from Energy Sales

- 2.3.1 The category wise Revenue approved for FY 2019-20 and the sales achieved by the utility is given below as per Form 2.1 a-D:

Table 2: Category-wise Amount Billed for FY 2019-20 (Rs in Cr)

S. No.	Category	Approved in TO FY 2019-20			Actual Revenue			E. Tax Actual	Actual Total FY 2019-20 Including E.Tax
		Fixed Charges	Energy Charges	Total Revenue	Fixed Charges	Energy Charges	Total Revenue without E Tax		
1	Domestic	20.900	131.820	152.720	30.108	152.455	182.562	9.814	192.376
2	Non-domestic (LT & HT)	166.280	742.390	908.670	178.981	804.766	983.747	49.446	1033.193
3	Small Industrial Power	0.020	0.030	0.050	0.008	0.018	0.026	0.001	0.027
4	Public Lighting	0.000	6.090	6.090	0.419	3.864	4.282	0.211	4.494
5	DMRC	1.200	30.580	31.780	2.368	26.811	29.179	1.459	30.638
6	Others (Including Temporary Connections + JJ Cluster)	0.470	26.890	27.360	19.749	117.060	136.809	7.105	143.914
	Total	188.870	937.800	1126.670	231.632	1104.973	1336.605	68.037	1404.642

2.3.2 The consolidated Revenue approved for FY 2019-20 and the sales achieved by the utility is given in Table below as per Form 2.1 a-D.

Table 3: Revenue from Sale of Power for FY 2019-20 (in Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Energy Charges Billed (excluding Electricity Tax)	937.800	1104.973
2	Fixed Charges	188.870	231.632
3	Total (1 + 2)	1126.670	1336.605

2.3.3 NDMC humbly pleads before the Hon'ble Commission that the organization is not registered under Company Act. The Accounts are audited first internally and subsequently by CAG. Owing to this, NDMC will not be able to furnish Auditor's Certificate and requests the Hon'ble Commission to accept this submission.

2.3.4 Detailed list of category wise consumers addition and deletion in FY 2019-20 is given in table below:

Table 4: Category Wise Consumers for FY 2019-20

S. No.	Consumer Category	Total No. of Consumers as on 01-04-2019	No. of Consumers addition during FY 2019-20	No. of Consumers deletion during FY 2019-20	Total No. of Consumers as on 31-03-2020
1	Domestic	25054	10913	1672	34295
2	Non-Domestic Low Tension	14532	2764	0	17296
3	Mix Load (High Tension) – Sanction Load >100kw	504	5	6	503
4	Small Industrial Power (SIP)	2	3	0	5
5	Public Lighting	63	3	0	66
6	Delhi Metro Rail Corporation (DMRC)	1	0	0	1
7	Temporary Connection more or equal to 16 days	1220	220	0	1440
8	Others	0	0	0	0
9	JJ Cluster (Flat Rate)	1385	0	409	976
10	Grand Total	42761	13908	2087	54582

2.3.5 NDMC submits that the revenue collected and revenue billed (including E. Tax) for FY 2019-20 as below:

Table 5: Revenue Billed and Revenue Collected for FY 2019-20

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Revenue Billed (Rs. Crore)	1126.670	1336.605
2	Revenue Collected (Rs. Crore)	1121.037	1279.275
3	Collection Efficiency (%)	99.50%	95.71%

2.3.6 The Revenue Billed includes Fixed Charge, Energy Charges, Other Charges and PPAC Amount Billed. Additionally, NDMC has also submitted the Actual Revenue Billed Including Electricity Tax amount. Therefore, the total Revenue Billed as per Form 2.1(a) (excluding E-tax) is submitted as Rs.1336.605 Crore. Against the same, the revenue

collected is Rs.1279.275 crore. The AT&C Losses are determined on revenue billed and collected excluding the Electricity Tax.

2.4 Distribution Loss

- 2.4.1 NDMC submits its Distribution Losses achieved against the losses approved by the Hon'ble Commission vide its Tariff Order for FY 2019-20 as below:

The Distribution loss have been calculated by the formula as given below:

*Distribution Loss = [(1- Total Energy Sales) / Net Power Available for Retail Sale] * 100*
where,

Total Energy Sales and Net Power Available for Retail Sale are in MUs.

Table 6: Distribution Loss for FY 2019-20

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
A	Energy Requirement (MU)	1377.17	1411.428
B	Energy Sales (MU)	1253.23	1272.052
C	Distribution Loss (MU)	123.945	139.376
D	Distribution Loss (%)	9.00%	9.87%

2.5 AT&C Losses

- 2.5.1 The DERC Tariff Regulations, 2017 specifies and NDMC submits its AT&C Losses achieved as given in table below:

"5...

(9) The AT&C Loss shall be the relationship between Distribution Loss and Collection Efficiency computed as per the following formula:

*AT&C Losses = [1-(1-Distribution Loss) * Collection Efficiency]] * 100*

where,

AT&C Loss, Distribution Loss and Collection Efficiency are in (%) percentage.

Table 7: Determination of AT & C Losses for FY 2019-20

Particulars	Approved in Tariff Order for FY 2019-20	Actual
Distribution Loss	9.00%	9.87%
Collection Efficiency	99.50%	95.71%
AT&C Loss	9.46%	13.74%

2.6 Power Purchase Quantum

2.6.1 NDMC has allocations of power from Dadri TPS and Pragati Stations. The Hon'ble Commission is requested to allow the actual gross power purchase quantum as shown in the table below:

Table 8: Power Purchase Quantum for FY 2019-20 (MU)s

S. No.	Particulars	Approved in Tariff Order for FY 2019 -20	Actual
A	Power Purchase from Central Stations except BTPS, SGS, and RE Plants	527.04	363.11
B	Power Purchase from Short Term Small Hydro	213.74	143.32
C	Total Interstate: Power Purchase (A + B)	740.78	506.43
D	Interstate Transmission Losses (C*1.65%)	-12.20	-8.36
E	Net Power Purchase from Central stations (C - D)	728.58	498.07
F	Power Purchase from State Generating Stations (Excluding RE) (PPS-I & PPS-III)	651.03	708.42
G	Power Purchase from Short Term Large Hydro	0.00	183.93
J	Power Purchase from DMSWSL & EDWPCL	10.37	6.15
K	Power Purchase from IEX		163.05
L	Power Purchase from UI		1.18
M	Power Available at Delhi Periphery	1389.98	1560.81
N	Intra-State Transmission Loss	12.79	-14.36
O	Power Available at NDMC Periphery (Addition from E to N)	1377.19	1546.45
P	Solar: Power from Grid Connected & Net Metering (O * 0.92%)		9.46
Q	Total (O – P)	1377.19	1555.91
R	Sale of Power (IEX)		144.48
S	Net Power Available for Retail Sale (Q – R)	1377.19	1411.43

2.6.2 In FY 2019-20, NDMC has drawn long-term power from Central Stations viz. Dadri TPS and Intra state generating stations viz. Pragati Power Stations (Pragati-I and PPS-III CCGT Bawana). NDMC has also sourced power from Renewable sources (DMSWSL) and grid connected and net metering solar installations. The average inter-state transmission losses and intra-state losses have been considered at 1.65% and 0.92%

respectively. The petitioner requests the Hon'ble Commission to kindly consider the actual values of such losses.

2.6.3 NDMC submits that currently no payments are being made toward solar power procured from the generating units/net metering units located within licensed area. However, the Petitioner requests the Hon'ble Commission to allow recovery of payments made towards such purchases as and when actual payments are made towards the same in future year(s).

2.6.4 The details of actual power drawn from each of the sources of generation is provided in the appropriate formats specified by the Hon'ble Commission. The Petitioner requests the Hon'ble Commission to kindly consider the actual purchase and approve the same for the purpose of trueing up.

2.7 Cost of Power Purchase

2.7.1 Power Purchase Cost as approved by the Hon'ble Commission and Actual Power Purchase Cost for FY 2019-20 was as under:

Table 9: Total Power Purchase Cost for FY 2019-20 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Power Purchase Cost CSGS except BTPS, SGS and RE Plants	710.06	939.26
2	Cost of Short Term and Renewable Purchase	102.51	
3	Less: Revenue from Sale of Power (Excess)	0.00	36.93
A	Net Power Purchase Cost (1+2-3)	812.57	902.33
4	Interstate Transmission Charges	33.36	45.12
5	Intrastate Transmission Charges including SLDC	66.18	38.28
6	Cost towards renewable certificate purchase	8.95	0.00
B	Less: Rebate on Power Purchase & Transmission	16.85	14.70
C	Total Power Purchase Cost for True-up (A+4+5+6-B)	904.21	971.03

2.8 Cost of Long-Term Power Purchase

2.8.1 NDMC submits the cost of long-term power purchase for the FY 2019-20 as below and prays to the Hon'ble Commission to approve the cost as per table below:

Table 10: Cost of Power Purchase from Long Term Sources

S. No.	Particulars	Power Purchase (MU)	Power Purchase Cost (Rs. Crore)	Average Rate (Rs./kWh)
A	Dadri TPS	363.11	234.81	6.47
B	Pragati I	440.47	292.57	6.64
C	Pragati III- CCGT Bawana	267.95	192.67	7.19
D	DMSWSL	6.15	4.32	7.02
E	EDWPCL*	0	0	0.00
F	Solar Power – Installed by NDMC on Ownership basis, Through Developer Mode and Net metering / Grid Connected	9.46	0	0.00
G	Total	1,087.14	724.37	6.66
L	Short Term Purchase of Power	491.48	214.88	4.37
H	Transmission Charges	-22.72	83.41	0.00
I	Power Purchase Cost with ST & Transmission Charges	1,555.90	1,022.66	6.57
J	Less: Timely Payment Rebate on Power Purchase		14.7	0.00
K	Net Power Purchase cost after Rebate	1555.90	1007.96	6.48
M	Less: Short Term Sale of Power	144.48	36.93	2.56
N	Total Power Purchase	1411.42	971.03	6.88

2.9 Short Term Power Purchase and Sale

2.9.1 NDMC prays to the Hon'ble Commission to approve the cost of Short-Term Power Purchase and Revenue from Short Term Power Sale as below:

Table 11: Short Term Power Purchase for FY 2019-20

S. No.	Particulars	Power Quantum (MUs)	Amount (Rs. Crore)	Average Rate (Rs./kWh)
1	Bilateral Hydro - Small	143.32	67.36	4.70
2	Bilateral Hydro - Hydro	183.93	90.12	4.90
3	Banking	-	-	-
4	IDT	-	-	-
5	UI	1.18	0.58	4.90
6	IEX	163.05	56.82	3.48

S. No.	Particulars	Power Quantum (MUs)	Amount (Rs. Crore)	Average Rate (Rs./kWh)
7	PXIL	-	-	-
	Total Purchases	491.48	214.88	4.37

Table 12: Short Term Power Sale for FY 2019-20

S. No.	Particulars	Power Quantum (MUs)	Amount (Rs. Crore)	Average Rate (Rs./kWh)
1	Bilateral	-	-	-
3	Banking	-	-	-
4	IDT	-	-	-
5	UI	61.61	13.01	2.11
6	IEX	82.87	23.92	2.89
7	PXIL	-	-	-
	Total Purchases	144.48	36.93	2.56

Consideration of Quantum of Power purchase and amount:

- a. Bilateral Sales / Purchase from Magpie-Attawatto, Magpie-Tanmarg, Brenwar, KPCPL, Government of Himachal Pradesh (GoHP) and KARCHAM (GoHP), Exchange related quantum and purchase have been accounted for the FY based on the bills paid during the Financial year.
- b. **IDT sales / purchases** - the units purchased / sold are considered for the financial year only. The amount towards such purchases have been considered as billed/paid during the year.
- c. **UI sales / purchase** - NDMC submits that although the billing for certain months is made after the financial year has completed, however at the time of truing up, the entire sales/purchase and UI quantum is available through SLDC. Accordingly, NDMC has submitted the entire quantum of sales / purchases and corresponding amount realized / likely to be realized from such transactions on accrual basis for FY 2019-20.
- d. **Solar RPO Obligation:** NDMC is procuring Solar Power from Solar Plant Installed by NDMC on Ownership basis, through Developer Mode and Net metering / Grid Connected within its licensed area through net metering.

2.10 Renewable Purchase Obligation

The renewable purchase obligation fulfilled during FY 2019-20 as below:

Table 13: RPO for FY 2019-20

RPO	Approved in Tariff Order FY 2019-20				Actual		Shortfall / Excess
	% of Total Energy Sales	Total Sale (MUs)	RE to be Procured in MUs	Total Sales	Mus to be Procured	MUs procured during the year	
Solar	6.75%	1,253.23	84.59	1,272.05	85.86	9.46	-76.41
Other	10.25%		128.46		130.39	143.32	12.93
Total			213.05		216.25	152.78	-63.47

Note: Source of Power Procurement: 1) Solar: - Grid Connected, 2) Other: - Magpie-Attawatto, Magpie-Tanmarg, Brenwar.

2.11 Total Power Purchase Cost for True-up

2.11.1 NDMC submits the trued-up power purchase cost as below:

Table 14: Total Power Purchase Cost including Transmission & SLDC Charges

S. No.	Particulars	Power Quantum (MUs)	Amount (Rs. Crore)
A	Gross Power Purchase Cost excluding Waste to Energy, Short Term Purchase and Transmission Charges	1071.53	720.05
B	Waste to Energy	6.15	4.32
C	Total Long Term	1077.68	724.38
D	Short Term Purchase	491.48	214.88
E	Solar Power	9.46	0.00
F	Inter State Transmission Charges	-8.36	45.12
G	Intra State Transmission Charges	-14.36	38.28
H	Gross Power Purchase	1555.91	1022.67
I	Less: Rebate on Power Purchase	0.00	13.96
M	Less: Total Rebate on Transmission & Trader	0.00	0.74
N	Less: Sale of Surplus Power	144.48	36.93
O	Net Power Purchase	1411.43	971.03
P	Average Cost Per Unit (Net of Transmission Losses)		6.88

2.11.2 NDMC prays to the Hon'ble Commission to allow the power purchase cost of Rs. 971.03

Crore.

2.12 Operation and Maintenance Expenses

2.12.1 As per DERC (Business Plan) Regulations, 2017 clause no 23 (1) Normative Operation and Maintenance expenses in terms of Regulation 4(3) and Regulation 92 of the DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017 for the Distribution Licensees shall be as follows:

Table 15: O & M Expenses for NDMC for the Control Period

Particulars	Unit	FY 2017-18	FY 2018-19	FY 2019-20
66 kV Line	Rs. Lakh/ckt. km	3.297	3.482	3.678
33 kV Line	Rs. Lakh/ckt. km	3.297	3.482	3.678
11kV Line	Rs. Lakh/ckt. km	0.862	0.91	0.961
LT Line system	Rs. Lakh/ckt. km	5.17	5.46	5.766
66/11 kV Grid S/s	Rs. Lakh/MVA	0.927	0.979	1.034
33/11 kV Grid S/s	Rs. Lakh/MVA	0.927	0.979	1.034
11/0.415 kV DT	Rs. Lakh/MVA	1.326	1.40	1.479

Table 16: O&M Expenses Approved for FY 2019-20

S. No.	Particulars	Units	Approved in Tariff Order FY 2019-20	Rate (Rs. In Lakh)	Amount (Rs. In Cr.)
1	66 kV Line	Ckt KM	53.49	3.678	1.97
2	33 kV Line	Ckt KM	165.83	3.678	6.10
3	11kV Line	Ckt KM	1031.39	0.961	9.91
4	LT Line system	Ckt KM	2626.65	5.766	151.45
5	66/11 kV Grid S/s	MVA	490.00	1.034	5.07
6	33/11 kV Grid S/s	MVA	970.00	1.034	10.03
7	11/0.415 kV DT	MVA	436.05	1.479	6.45
		Total			190.98

2.12.2 A review petition has been filed on January 20, 2021 for reconsideration of line length and MVA capacity and O&M Expenses for the FY 2018-19 is given below.

Table 17: Actual Network Details and O&M Expenses for FY 2018-19

S. No.	Particulars	Units	As per NDMC for FY 2018-19	Rate (Rs. In Lakh)	Amount (Rs. In Cr.)
1	66 kV Line	Ckt KM	53.49	3.482	1.86
2	33 kV Line	Ckt KM	171.74	3.482	5.98
3	11kV Line	Ckt KM	1,043.44	0.910	9.50
4	LT Line system	Ckt KM	5,472.54	5.460	298.80
5	66/11 kV Grid S/s	MVA	490.00	0.979	4.80
6	33/11 kV Grid S/s	MVA	970.00	0.979	9.50
7	11/0.415 kV DT	MVA	777.37	1.400	10.88
		Total			341.31

2.12.3 From the above table it is evident that there is a difference in line length provisionally approved by Hon'ble Commission and at actual network as shown in table below:

Table 18: Difference between provisionally Approved and Actual Network Details for FY2018-19

S. No.	Particulars	Units	As per NDMC for FY 2018-19	Approved in Tariff Order FY 2019-20	Difference
1	66 kV Line	Ckt KM	53.49	53.49	0
2	33 kV Line	Ckt KM	171.74	165.83	5.91
3	11kV Line	Ckt KM	1,043.44	1,043.44	0
4	LT Line system	Ckt KM	5,472.54	2,705.45	2767.09
5	66/11 kV Grid S/s	MVA	490	490	0
6	33/11 kV Grid S/s	MVA	970	970	0
7	11/0.415 kV DT	MVA	777.37	777.37	0

2.12.4 The operation and maintenance expenses for length of lines and Transformer MVA capacity for the year FY 2019-20 as derived from the above table for FY 2018-19 is given in table below:

Table 19: Operation and Maintenance Actual Expenses FY 2019-20

S. No.	Particulars	Units	Actual as on 31.03.2019	Addition during 19-20	As on 31.03.2020	Rate	Amount Rs. in Lakh	Amount Rs. In Cr.
1	66 kV Line	Ckt KM	53.49	0.00	53.49	3.678	196.736	1.967
2	33 kV Line	Ckt KM	171.74	9.73	181.47	3.678	667.432	6.674
3	11kV Line	Ckt KM	1,043.44	32.13	1,075.57	0.961	1033.623	10.336
4	LT Line system	Ckt KM	5,472.54	26.35	5,498.88	5.766	31706.559	317.066
5	66/11 kV Grid S/s	MVA	490.00	0.00	490.00	1.034	506.660	5.067
6	33/11 kV Grid S/s	MVA	970.00	40.00	1,010.00	1.034	1044.340	10.443
7	11/0.415 kV DT	MVA	777.37	67.84	845.21	1.479	1250.066	12.501
		Total						364.054

2.12.5 O&M Expenses approved in FY 2019-20 and Actual in FY 2019-20 are as under and request for approval of the same:

Table 20: Operation and Maintenance Actual Expenses FY 2019-20

S. No.	Particulars	Units (for quantity)	Approved in Tariff Order FY 2019-20 Quantity	Amount (Rs. In Cr.)	Actual in FY 2019-20 Quantity	Amount (Rs. In Cr.)
1	66 kV Line	Ckt KM	53.49	1.97	53.49	1.967
2	33 kV Line	Ckt KM	165.83	6.1	181.47	6.674
3	11kV Line	Ckt KM	1031.39	9.91	1,075.57	10.336
4	LT Line system	Ckt KM	2626.65	151.45	5,498.88	317.066
5	66/11 kV Grid S/s	MVA	490	5.07	490	5.067
6	33/11 kV Grid S/s	MVA	970	10.03	1,010.00	10.443
7	11/0.415 kV DT	MVA	436.05	6.45	845.21	12.501
	Total			190.98		364.054

2.13 Non-Tariff Income

2.13.1 NDMC has considered the non-tariff income from the Late Payment Surcharge (LPSC) at actuals of FY 2019-20 and given in table below:

Table 21: Non-Tariff Income for FY 2019-20 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Non-Tariff income	3.89	3.68

2.14 Capital Expenditure and Capitalization

2.14.1 NDMC had appointed SBI Caps as external consultant to determine the actual assets and balance sheet of the Electricity Distribution Business Unit. Based on the report and subsequent capitalisation of assets, NDMC submits the following details for capital Expenditure and Capitalisation FY 2019-20.

Table 22: Gross Fixed Assets for FY 2019-20 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Opening GFA	628.89	956.48
2	Capitalisation	74.22	60.28
3	Decapitalization	0	4.21
4	Closing GFA	703.11	1012.55
5	Average GFA	666.00	984.52

2.15 Consumer Contribution

2.15.1 NDMC has considered consumer contribution for FY 2019-20 as per table given below.

Table 23: Consumer Contribution for FY 2019-20 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Opening Consumer Contribution	20.14	9.52
2	Addition of Consumer Contribution	8.34	3.15
3	Closing Consumer Contribution	28.48	12.67
4	Average Consumer Contribution	24.31	11.10

2.16 Depreciation

2.16.1 Depreciation is charged on the basis of straight-line method, on the average Gross Fixed Assets at the beginning and at the end of each year. The depreciation is based on the original cost, estimated life and residual life. Depreciation for the control period is determined by applying depreciation rate as approved by the Hon'ble Commission in its tariff order for the control period. Depreciation has been computed at 3.60% of average GFA during the year. The table below summarizes the depreciation claimed by NDMC.

Table 24: Depreciation for FY 2019-20 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Opening GFA	628.89	956.48
2	Addition during the year	74.22	60.28
3	Deletion during the year	0.00	4.21
4	Closing Balance of GFA	703.11	1012.55
5	Average Balance of GFA	666.00	984.52
6	Average Consumer Contribution	24.31	11.10
7	Average assets Net of Consumer Contribution	641.69	973.42
8	Average Depreciation Rate	3.60%	3.60%
9	Depreciation	23.10	35.04

2.17 Cumulative Depreciation

2.17.1 NDMC submits the accumulated depreciation till FY 2019-20 as below:

Table 25: Cumulative Depreciation till FY 2019-20 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Opening Balance of Cumulative Depreciation	452.47	593.49
2	Addition during the year FY 2019-20	23.10	35.04
3	Closing Balance of Cumulative Depreciation	475.57	628.53

2.18 Utilization of Depreciation

2.18.1 NDMC submits to the Hon'ble Commission that no portion of the depreciation has been used to repay any actual debt in FY 2019-20.

Table 26: Utilization of Depreciation for FY 2019-20

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Depreciation for FY 2019-20	23.10	35.04
2	Depreciation utilized for Debt repayment in FY 2019-20	0	0

2.19 Working Capital

2.19.1 NDMC has calculated the Working Capital requirements on normative basis as stipulated by the methodology specified in the DERC Wheeling and Retail Tariff Regulations, 2017. NDMC requests the Hon'ble Commission to approve the Working Capital Requirements as per the following:

Table 27: Determination of Working Capital for FY 2019-20 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Receivables from sale of Electricity	1142.18	1404.64
2	Receivables Equivalent to 2 months	190.21	234.11
3	Net Power Purchase Expense (Including Transmission, SLDC, RPO & normative rebate)	904.21	971.03
4	1/12th of Power Purchase Expense	75.35	80.92
5	Total Working Capital	115.00	153.19
6	Less: Opening Balance of Working Capital	113.41	116.33
7	Change in Working Capital	1.59	36.86

2.20 Regulated Rate Base

2.20.1 The Regulated Rate Base has been computed below for FY 2019-20 based on the DERC Tariff Regulations 2017 and submitted for the approval of the Hon'ble Commission.

Table 28: Regulated Rate Base for FY 2019-20 (Rs. Crore)

S. No.	Description	Approved in Tariff Order FY 2019-20	Actual
1	RRB - Base Year		
A	Opening Balance of GFA	628.89	956.48
B	Opening Balance of Working Capital	113.41	116.33
C	Opening Balance of Accumulated Depreciation	452.47	593.49
D	Opening balance of Accumulated Consumer Contribution (in proportion of OCFA to total OCFA + CWIP + Stores)	20.14	9.52
E	(A+B)-(C+D) i.e., RRB opening	269.69	469.80
2	RRB - for the year		
F	Investments in capital expenditure during the year	74.22	60.28
G	Depreciation for the year	23.10	35.04
H	Consumer Contribution, Grants, etc. for the year	8.34	3.15
I	Fixed Asset Retirement / Decapitalisation during the year	0.00	4.21
J	Changes in Capital Investment	42.78	17.88
K	Change in Working Capital	1.59	36.86
L	RRB Closing (E+J+K)	314.57	524.54
M	Regulated Rate Base (RRB) (i) (E+L)/2	292.66	497.17

2.21 Return on Capital Employed

2.21.1 NDMC submits before the Hon'ble Commission that capital expenditure incurred by it for creation of assets has been majorly incurred through its budgetary support and internal accruals. It has not used any type of loan for creation of assets. NDMC has considered normative debt-equity ratio of 70:30 for calculating RoCE. The Rate of Return on Equity for the first control period is kept at 16% as per the DERC Wheeling and Retail Tariff Regulations, 2017. Rate of Return on the Debt is considered as 8% as per order. Detailed calculation of Weighted average cost of capital (WACC) leading up to estimation of RoCE is shown in the table below:

Table 29: Return on Capital Employed for FY 2019-20 (Rs. Crore)

S. No.	Description	Approved in Tariff Order FY 2019-20	Actual
A	RRBi	292.66	497.17
B	Opening Equity for Capitalization (Limited to 30%)	46.88	106.04
C	Closing Equity Limiting to 30% of net Capitalization	59.72	111.40
D	Average Equity for Capitalization (Limited to 30%)	53.30	108.72
E	Opening Debt at 70% of Net Capitalization	109.40	247.43
F	Closing Debt @70% of net Capitalization	139.34	259.94
G	Average Debt @70% of net Capitalization	124.37	253.69
H	Debt at 100% of Average Working Capital	115.00	134.76
I	Total Debt (G+H)	239.36	388.45
J	Rate of Return on Equity	16.00%	16.00%
K	Rate of Debt (%) on Capitalization	8.00%	8.00%
L	Rate of Debt (%) on Working Capital	8.00%	8.00%
M	Rate of Interest on Debt (%)	8.00%	8.00%
N	Weighted Average Cost of Capital (WACC) (%)	9.46%	9.75%
O	Return on Capital Employed (ROCE)	27.68	48.47

2.22 Income Tax

2.22.1 The Petitioner submits that NDMC is exempted from paying the Income tax, therefore claim for such tax liabilities has not been proposed in the petition. However, the petitioner request Hon'ble Commission to allow tax liability in future in case required.

2.23 Aggregate Revenue Requirement for Truing up for FY 2019-20

2.23.1 NDMC submits before the Hon'ble Commission the Aggregate Revenue Requirement for FY 2019-20.

Table 30: Trued up ARR for FY 2019-20 (Rs. Crore)

S. No.	Description	Approved in Tariff Order FY 2019-20	Actual
A	Net Power Purchase Cost	904.21	971.03
B	Net Operation & Maintenance (O&M)	190.98	364.05
C	Depreciation	23.10	35.04
E	RoCE (Including Interest on working capital)	27.68	48.47
F	Income Tax	0.00	0.00
G	Less: Non-Tariff Income	-3.89	-3.68
H	Aggregate Revenue Requirement	1142.07	1414.92

2.23.2 The Hon'ble Commission is requested to approve and allow the Aggregate Revenue Requirement of Rs. 1414.92 Crore as presented above, as against the Approved Aggregate Revenue Requirement of Rs. 1142.07 Crore.

2.24 Revenue Gap / Surplus

2.24.1 The overall gap based on the actual expenses and revenue during FY 2019-20 is Rs. 135.64 Crore. This may please be added in the ARR for FY 2021-22. The same is provided in the table below:

Table 31: Revenue Gap / Surplus for FY 2019-20 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2019-20	Actual
1	Aggregate Revenue Requirement, FY 2019-20	1142.07	1414.92
2	Revenue Available Towards ARR	1117.01	1279.28
3	Revenue (Gap) / Surplus	(25.06)	(135.64)

Arvind Gaur
Director (Power)
New Delhi Municipal Council
Palika Kendra, New Delhi-110 001

3 ARR FOR FY 2020-21

The Petitioner submits that for the FY 2020-21, it has not proposed any change from the ARR approved by the Hon'ble Commission except in O&M expense and GFA. The energy sales in the NDMC licensed area have almost been stagnant and therefore, the Petitioner proposes to approach the Hon'ble Commission at the time of final true-up for FY 2020-21. The Petitioner will submit the actual sales and revenue earned during the year and a final true-up may be allowed by the Hon'ble Commission.

Accordingly, the approved ARR for 2020-21 is detailed in the following paragraphs:

3.1 Energy Sales

The Hon'ble Commission approved the following energy sales for 2020-21:

Table 32: Category-wise Energy Sales approved by the Commission for FY 2020-21 (MU)

S. No.	Category	Petitioner's Submission	Approved FY 2020-21
1	Domestic	224.50	252.00
2	Non-domestic	1070.05	804.00
3	Mixed Load	0.00	0.00
4	Small Industrial Power	0.03	0.00
5	Public Lighting	7.07	7.00
6	DMRC	40.97	33.00
7	Temporary Connection	0.00	0.00
8	Others	14.59	13.00
9	J J Cluster	0.00	0.00
	Total	1357.21	1109.00

3.2 Revenue Estimate

The Hon'ble Commission approved the following revenue estimation for 2020-21:

Table 33: Revenue estimated by the commission for FY 2020-21 at the existing Tariff

(Rs. in Cr.)

S. No.	Category	Fixed Charges	Energy Charges	Total Revenue
A	Domestic	22.79	117.35	140.14
B	Non-Domestic	166.28	711.71	879.99
C	Small Industry Power	0.01	0.00	0.01
D	Public Lighting / Utilities	2.87	25.00	27.87
E	DMRC			
F	Others	1.99	14.37	16.36
G	Total	193.94	868.42	1062.36
Revenue at 99.5% Collection Efficiency				1057.05

3.3 Distribution Loss and Collection Efficiency

The Hon'ble Commission approved the following distribution loss and collection efficiency for 2020-21:

Table 34: Distribution Loss target and collection efficiency for FY 2020-21 (%)

Particulars	Approved FY 2020-21
Distribution Loss Target	9.00%
Collection Efficiency	99.50%

3.4 Energy Requirement

The Hon'ble Commission approved the following energy requirement for 2020-21:

Table 35: Energy Requirement for FY 2020-21

S. No.	Particulars	Approved FY 2020-21
	Energy Requirement	
1	Energy Sales (MU)	1109.00
2	Distribution Loss (%)	9.00%
3	Distribution Loss (MU)	109.68
4	Energy Required at Distribution Periphery (MU)	1218.68

3.5 Energy Availability

The Hon'ble Commission approved the following energy available for 2020-21:

Table 36: Energy available to Petitioner from Central and State Generating stations and other Generating Stations approved for FY 2020-21

S. No.	Power Plant	Total Installed Capacity (MW)	Firm % Share FY 2020-21	Capacity in MW	Energy in MU
1	Dadri TPS	840	16.53%	125	305
2	PPS - I	330	30.30%	100	430
3	PPS - III	1,371	19.12%	210	401
4	DMSWSL	24	5.09%	1	6
5	Total			436	1141

3.6 Power Purchase Cost for Generating Stations

The Hon'ble Commission approved the following power purchase cost for 2020-21:

Table 37: Power Purchase Cost for various generating station for FY 2020-21

Station	Energy (MU)	Fixed Cost (Rs. Cr.)	Variable Charges RS/kWh	Variable Cost (Rs. Cr)	Total Charges (Rs. Cr.)	Avg. Rate (Rs. /kWh)
DADRI TPS	305	74	3.78	115	189	6.20
PPS - I	430	40	3.26	140	180	4.18
PPS - III	401	157	2.83	113	270	6.74
DMSWSL	6	0	7.03	4	4	7.03
Total	1141	271		372	643	5.63

3.7 Renewable Power Purchase Obligation

The Hon'ble Commission approved the following RPO for 2020-21:

Table 38: Targets for Renewable Power Purchase Obligation

S. No.	Parameter	FY 2020-21
A	Non-Solar	10.25%
B	Solar Target (Minimum)	7.25%
C	Total RPO	17.50%

Table 39: Procurement from Renewable Energy under RPO

Power Source	Approved Energy Sales (MU)	% of Total Energy Sales Approved in Regulations	Renewable energy to be procured (MU)
Solar	1109	7.25%	80
Non-Solar		10.25%	114
Total			194

3.8 Power Purchase Cost

The Hon'ble Commission approved the following power purchase cost for 2020-21:

Table 40: Power Purchase Cost for FY 2020-21

Sr. No.	Particulars	MU	Amount (Rs Cr.)	Avg. Rate (Rs/ kWh)
A	Total Energy available from Stations outside Delhi	305.00	189.17	6.20
B	Inter-State Transmission Losses & Charges Net of Special Rebate	6.00	32.19	
C	Energy available from Stations based in Delhi	836.00	453.78	5.43
D	Energy available at State Transmission Periphery	1135.00	675.14	5.95
E	Intra-State Transmission Losses & Charges	10.00	46.51	
F	Power Purchase Rebate		-13.33	
G	Power Available to DISCOM	1125.00	708.32	6.30
H	Energy Sales	1109.00		
I	Distribution Loss	110.00		
J	Net Energy Requirement	1218.00		
K	Surplus / Gap Energy	-94.00	-21.08	2.25
L	REC Purchase Cost		10.54	
M	Power Purchase Cost	1218.00	739.94	6.07
N	Special Rebate provided by MoP (GENCOs)		2.80	
O	Net Power Purchase Cost	1218.00	737.14	6.05

3.9 Operation and Maintenance Expenses

The Hon'ble Commission approved the following O & M Expenses for 2020-21:

Table 41: Gross O&M Expenses approved for FY 2020-21 (Rs. Crore)

S. No.	Particulars	Units	Approved FY 2020-21	Rate in Lakh	Amount Rs. in Cr.
1	66 kV Line	Ckt KM	225.00	3.079	6.93
2	33 kV Line	Ckt KM			
3	11kV Line	Ckt KM	1043.00	0.935	9.76
4	LT Line system	Ckt KM	2705.00	7.338	198.53
5	66/11 kV Grid S/s	MVA	1460.00	0.954	13.93
6	33/11 kV Grid S/s	MVA			
7	11/0.415 kV DT	MVA	777.00	1.489	11.58
Total			6210.00		240.73

However, the length of lines considered is less than actual lines and as mentioned in True up petition above we have considered actual length of line as on 2019-20 The revised O&M Expenses are given in table below:

Table 42: Operation and Maintenance Expenses for FY 2020-21 Revised Estimated

S. No.	Particulars	Units	Actual as on 31.03.2020	Addition during FY 20-21	As on 31.03.2021	Rate in Lakh	Amount in Lakh	Amount Rs. In Cr
1	66 kV Line	Ckt KM	53.49	0.00	53.49	3.079	164.70	1.65
2	33 kV Line	Ckt KM	181.47	22.16	203.62	3.079	626.96	6.27
3	11kV Line	Ckt KM	1075.57	8.50	1084.07	0.935	1013.61	10.14
4	LT Line system	Ckt KM	5498.88	14.92	5513.80	7.338	40460.25	404.60
5	66/11 kV Grid S/s	MVA	490.00	60.00	550.00	0.954	524.70	5.25
6	33/11 kV Grid S/s	MVA	1010.00	55.10	1065.10	0.954	1016.11	10.16
7	11/0.415 kV DT	MVA	845.21	0.00	845.21	1.489	1258.52	12.59
Total								450.65

3.10 Consumer Contribution

The Hon'ble Commission approved the following Consumer Contribution for 2020-21:

Table 43: Consumer Contribution (Rs. Crore)

S. No.	Particulars	Approved FY 2020-21
1	Opening Consumer Contribution	20.14
2	Addition of Consumer Contribution	8.34
3	Closing Consumer Contribution	28.48
4	Average Consumer Contribution	24.31

3.11 Gross Fixed Assets

The Hon'ble Commission approved the following GFA and depreciation for 2020-21:

Table 44: GFA considered for FY 2020-21 (Rs. Crore)

S. No.	Particulars	Approved FY 2020-21
1	Opening GFA	636.94
2	Capitalisation	39.50
3	Decapitalization	0.00
4	Closing GFA	676.44
5	Average GFA	656.69

3.12 Depreciation

The Hon'ble Commission approved depreciation and revised estimated for 2020-21:

Table 45: Depreciation considered for FY 2020-21 (Rs. Crore)

S. No.	Particulars	Approved FY 2020-21
A	Opening GFA	636.94
B	Net Additions to asset during the year	39.50
C	Closing GFA	676.44
D	Average GFA	656.69
E	Less: Average consumer contribution	24.31
F	Average GFA net of CC	632.38
G	Average rate of Depreciation	3.60%
H	Depreciation	22.77

3.13 Working Capital

The Hon'ble Commission approved the following working capital for 2020-21:

Table 46: Working Capital for FY 2020-21

S. No.	Particulars	Approved FY 2020-21
1	Annual Revenue	1017.16
2	Receivable equivalent to 2 months average billing	169.53
3	Power purchase expenses including transmission charges	737.14
4	Less: 1/12th of Power purchase expenses	61.43
5	Total Working capital	108.10
6	Opening working capital	115.00
7	Change in working capital	(6.90)

3.14 Non- Tariff Income

The Hon'ble Commission approved the following Non-tariff income for 2020-21:

Table 47: Non-Tariff Income for FY 2020-21

S. No.	Particulars	Approved FY 2020-21
1	Non-tariff Income	7.90

3.15 Regulated Rate Base

The Hon'ble Commission approved the following Regulated Rate base for 2020-21:

Table 48: RRB considered by the Commission for FY 2020-21 (Rs. Crore)

S. No.	Particulars	Approved FY 2020-21
1	RRB - Base Year	
A	Opening original cost of Fixed Assets (OCFA)	636.94
B	Opening accumulated depreciation (Ado)	469.21
C	Opening consumer contributions received (Cco)	20.14
D	Opening Working Capital (Wco)	115.00
E	Opening RRB (RRBo)	262.60

S. No.	Particulars	Approved FY 2020-21
2	RRB - for the Year	
F	Investment capitalized during the year (INVi)	39.50
G	Depreciation during the year (Di)	22.77
H	Depreciation on decapitalized Assets during the year	0.00
I	Consumer contribution during the year (CCi)	8.34
J	Fixed assets retired / decapitalized during the year (Reti)	0.00
K	Change in capital investment (Δ ABi)	8.39
L	Change in working capital during the year (Δ WCi)	(6.90)
M	RRB Closing	264.09
N	RRBi	259.89

3.16 Return on Capital Employed

The Hon'ble Commission approved the following RoCE for 2020-21:

Table 49: Return on Capital Employed for FY 2020-21

S. No.	Description	Approved FY 2020-21
A	RRBi	259.89
B	Opening Equity for Capitalization (Limited to 30%)	44.28
C	Closing Equity Limiting to 30% of net Capitalization	46.79
D	Average Equity for Capitalization (Limited to 30%)	45.54
E	Opening Debt at 70% of Net Capitalization	103.31
F	Closing Debt @70% of net Capitalization	109.19
G	Average Debt @70% of net Capitalization	106.25
H	Debt at 100% of Working Capital	108.11
I	Debt Balancing Figure	214.35
J	Rate of Return on Equity	16.00%
K	Rate of Debt (%) on Capitalization	8.00%
L	Rate of Debt (%) on Working Capital	8.00%
M	Rate of Interest on Debt (%)	8.00%
N	Weighted Average Cost of Capital (WACC) (%)	9.40%
O	Return on Capital Employed (ROCE)	24.43

3.17 Income Tax

No income tax is allowed for FY 2020-21 as NDMC is exempt from Income Tax.

3.18 Aggregate- Revenue Requirement

The Hon'ble Commission approved the following ARR for 2020-21:

Table 50: Aggregate-Revenue Requirement for FY 2020-21 (Rs. Crore)

S. No.	Particulars	Approved FY 2020-21
1	Cost of power purchase, including T&D Losses	737.14
2	Inter-State Transmission charges	Included in 1
3	Intra-state Transmission charges including SLDC charges	
4	Rebate on Timely Payments	
5	Net Operation & Maintenance (O&M)	240.72
6	Depreciation	22.77
8	RoCE	24.43
9	Income Tax	0.00
10	Aggregate Revenue Requirement (ARR)	1025.06
11	Less: Non-Tariff Income	7.90
12	Net Aggregate Revenue Requirement (ARR)	1017.16

3.19 The Revenue Surplus / (Gap) for FY 2020-21 is as follows:

The Hon'ble Commission has calculated the revenue Surplus / (Gap) at existing Tariff for FY 2020-21 as given in table below

Table 51: Aggregate-Revenue Requirement for FY 2020-21 (Rs. Crore)

Sr. No.	Particulars	As approved
A	Aggregate Revenue requirement for the year	1017.16
B	Revenue available for the year at Existing Tariff	1087.74
C	Less: Adjustment in Fixed Cost of Unutilized Capacity of Non-Domestic and Industrial Consumers for the months of April 2020 and May 2020	50.00
D	Total Revenue available	1037.74
E	Revenue (Gap) / Surplus for the year	20.58

The Petitioner will submit the actual expenditure in the subsequent petition at the time of truing up for FY 2020-21.

4 AGGREGATE REVENUE REQUIREMENT FOR FY 2021-22

The details of Aggregate Revenue Requirement for FY 2021-22 are worked out based on the following paras.

4.1 Energy Sales

4.1.1 The DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017 stipulates the Sales projections to be made as follows:

"5...

(7) Sales Forecast for each consumer category and sub-categories based on following factors:

- a) Category wise growth in No. of Consumers,
- b) Category wise growth in Sanctioned Load / Contract Demand (MW),
- c) Economic Cycle (boom, recession, Government policies etc.),
- d) Impact of Open Access (MU), Net Metering (MU), Demand Side Management measures (MU) etc.,
- e) Any other factor impacting the sales;"

4.1.2 The Petitioner has observed that the sales in its licensed area have remained stagnant over the last few years. Accordingly, we have given a similar projection as per existing Pre-COVID-19 period sales in the area.

4.1.3 Accordingly, for the purpose of projections of sales for FY 2021-22, have been considered to 1357.19 MUs which is at par with the sales in FY 2018-19.

4.1.4 Accordingly, the following sales projections have been considered for FY 2021-22.

Table 52: Category-wise Energy Sales for FY 2021-22 (MU)

S. No.	Category	Proposed FY2021-22
1	Domestic	224.50
2	Non-domestic	1070.05
4	Small Industrial Power	0.03
5	Public Lighting	7.07
6	DMRC	40.97
6	Others	14.57
	Total	1357.19

4.2 Revenue at existing Tariff in FY 2021-22

Revenue at per existing tariff rates is calculated as given in table below.

S. No.	Category	Energy Sale In MU	Average Billing Rate at Existing Tariff	Revenue at Existing Tariff
			Rs./kWh	Rs. Crore
1	Domestic	224.50	6.67	149.80
2	Non-domestic and Mixed Load	1070.05	10.56	1130.05
3	Small Industrial Power	0.03	17.46	0.05
4	Public Lighting	7.07	6.03	4.26
5	DMRC	40.97	6.53	26.77
6	Others	14.57	9.00	13.11
Total		1357.19		1324.06

4.3 Collection Efficiency**4.3.1 The DERC Tariff Regulations, 2017 specifies:**

"5...

(11) Collection Efficiency shall be measured as ratio of total revenue realised to the total revenue billed in the same year:

Provided that Revenue Realised or Revenue Billed on account of electricity duty, late payment surcharge, any other surcharge shall be excluded from the computation of Collection Efficiency;"

4.3.2 NDMC has considered 99.5% collection efficiency for FY 2021-22 as per DERC Business Plan Regulation, 2019 and the same has been considered for estimation of Distribution and AT&C losses also.

4.4 Distribution Loss**4.4.1 The DERC Tariff Regulations, 2017 specifies:**

"5...

(8) Distribution Loss & Collection Efficiency trajectory consisting of:

a) Total and voltage-wise distribution losses (%) along with the basis thereof,

- b) Total and category-wise revenue collection,
- c) AT&C loss level based upon past trends, sales growth and any other factors;

...
 (12) *Distribution Loss shall be measured as the difference between the Energy units input into the distribution system for sale to all its consumer(s) and the total Energy units billed in its Licensed area in the same year;*

- 4.4.2 As per DERC Business Plan Regulation, 2019 distribution loss of 8.75% is specified for the FY 2021-22. Considering that incremental loss reduction would be capex intensive and difficult to achieve, the distribution loss has been proposed as 9.50%.

Table 53: Distribution Loss for FY 2021-22

S. No.	Particulars	Proposed FY 2021-22
1	Distribution Loss	9.50%

4.5 AT&C Loss

- 4.5.1 The DERC Tariff Regulations, 2017 specifies

"5...

(9) *The AT&C Loss shall be the relationship between Distribution Loss and Collection Efficiency computed as per the following formula:*

*AT&C Loss = [1 — (1 — Distribution Loss) * Collection Efficiency]] * 100*
where,

AT&C Loss, Distribution Loss and Collection Efficiency are in (%) percentages"

- 4.5.2 NDMC submits that it has projected a constant collection efficiency of 99.50% for the FY 2021-22, as achieving 100% collection efficiency in the retail supply business is unlikely. Therefore, based on the projected distribution loss and 99.5% collection efficiency, the AT&C Loss for FY 2021-22 is tabulated in the table below:

Table 54: AT&C Loss for FY 2021-22

S. No.	Particulars	Proposed FY 2021-22
1	Distribution Loss (%)	9.50%
2	Collection Efficiency (%)	99.50%
3	AT&C losses (%)	9.95%

4.6 Energy Requirement

- 4.6.1 Based on the projected Energy Sales and Distribution Loss for FY 2021-22, the energy requirement for NDMC is projected as under:

Table 55: Energy Requirement Projections for FY 2021-22

S. No.	Particulars	Proposed FY 2021-22
	Energy Requirement	
1	Energy Sales (MU)	1357.19
2	Distribution Loss (%)	9.50%
3	Distribution Loss (MU)	142.47
4	Energy Required at Distribution Periphery (MU)	1499.66

4.7 Energy Availability

- 4.7.1 NDMC will meet the proposed energy requirement from various sources namely;

- Power Purchase from plants located in Delhi - Pragati Power Station-I and Pragati Power Station-III (Bawana), Delhi MSW Solutions Ltd. as per allocation in FY 2019-20.
- The energy projections of within the state plants have been considered based on past trends. Further, an escalation factor of 2% on year-on-year basis has been considered to project the corresponding fixed and energy charges for such plants.
- The Petitioner further submits that it has adequate power availability from other renewable sources and is actively in discussions with Ministry of Power to source clean/green energy for its licensed area. Developments in this regard have already been shared with the Hon'ble Commission. It is the humble submission of NDMC that it is inclined to buy power from renewable sources to meet its power requirement and would therefore request the Hon'ble Commission to not consider any allocation of power from any other source in the ensuing years. However, in case the Hon'ble Commission envisages additional allocation of any capacity to NDMC, the same may be considered from the hydro and solar sources available for Delhi Discoms in consultation with NDMC.
- NDMC had a power Purchase Agreement with NTPC for Purchase of Power from Dadri TPS-1, which has expired on 30th November, 2020 and NDMC is not under any liability to schedule any power from NTPC's Dadri TPS-I. NDMC submits not

to make any allocation from Dadri TPS

- e) NDMC shall procure 142 MW power from Hydro Power Stations and 250 MW Power from Solar Power Plants under bidding system in line with mandate given by Ministry of Power, Govt. of India to make NDMC a 100% Renewable Energy Consuming DISCOM.
- f) The shortfall/surplus in the energy if any shall be procured/sold through Exchange etc.

4.7.2 NDMC's allocation from various power stations from which it will sources power is in the table given below:

Table 56: Energy Availability Assumptions (NDMC Share)

S. No.	Power Plant	Firm % Share FY 2021-22	Capacity in MW	Energy in MU
1	Dadri TPS	0.00%	0	0
2	PPS – I	30.30%	100	440
3	PPS – III	9.12%	125	268
4	DMSWSL Bawana	5.09%	1	6
5	Hydro Power	100.00%	142	624
6	Solar Power	100.00%	250	433
Total			618	1771

- 4.7.3 For meeting the supply-demand gap during the peak hours, NDMC projects to rely upon Short-Term, Bilateral and Inter-Discom Power Purchase. Detailed methodology of projecting the power availability from various sources is detailed below: -
- 4.7.4 Energy availability has shown a substantial rise over the years and this has helped NDMC meet its peak power requirements comfortably.
- 4.7.5 NDMC has considered the availability of power from such sources in the past (except BTPS) and has accordingly worked out the expected availability from such stations for FY 2021-22. The overall estimated quantum of power to be purchased from each of the sources is provided in the appropriate formats and the same may kindly be approved by the Hon'ble Commission.
- 4.7.6 Presently, NDMC don't envisage any shortfall in available power. Further, NDMC has allocations from Delhi MSW Solutions Ltd, Bawana in lines with the provisions of Tariff Policy 2016, which mandates all Discoms to procure power from municipal solid waste-based power plants at a tariff determined by the appropriate Commission. NDMC also

submits that it may resort to other Banking and bilateral arrangements along with Short Term power sources to meet the energy deficits as and when required.

- 4.7.7 **Solar RPO Obligation:** NDMC envisages procurement of Solar power from various sources within its licensed area through Installed by NDMC on Ownership basis, through Developer Mode and Net-Metering / Grid Connected. It plans to procure incremental solar power in the ensuing year 2021-22 from such sources. NDMC submits that it is making efforts and exploring possibilities of purchasing 250 MW solar power through SECI/NTPC/others. The same is likely to increase the solar purchase in its power procurement portfolio and will meet the Solar RPO going forward.
- 4.7.8 NDMC has projected Non-Solar RPO from various sources including Hydro Projects and Delhi MSW Solutions Ltd. which would be sufficient to meet the existing RPO targets specified by the Hon'ble Commission and hence NDMC has not projected any REC purchase for FY 2021-22.
- 4.7.9 **Consideration for Unique Load Curve of NDMC:** NDMC submits that its licensed area comprises of VVIP areas having all the offices of Government of India viz. North Block, South Block, Nirman Bhawan, Udyog Bhawan, Rail Bhawan etc. and also Parliament House and Rashtrapati Bhawan, Supreme Court of India. Given the working hours in such offices, the power requirement is steep during the day and miniscule in the night hours. Given the unique load pattern, NDMC requests the Hon'ble Commission to consider allocation of power to NDMC in twelve hours' duration instead of existing twenty-four durations.
- 4.8 **Energy Balance**
- 4.8.1 The following table shows the projected energy balance arrived for FY 2021-22 after considering the projected sales, AT&C loss levels, transmission losses, power purchase and sale of surplus power.

Table 57: Energy Balance Projections for FY 2021-22 (in MU)

S. No.	Particulars	Proposed FY 2021-22
A	Energy Requirement	
1	Energy Sales (MU)	1357.19
2	Distribution Loss (%)	9.50%
3	Distribution Loss (MU)	142.47
4	Energy Required at Distribution Periphery (1 - 3)	1499.66
B	Energy Availability	
1	Power Purchase from Hydro & Solar outside the State	1057.00

S. No.	Particulars	Proposed FY 2021-22
2	Less: Interstate Transmission Losses @ 2%	21.14
3	Net Power Purchase from Central Stations	1035.86
4	Power Purchase from within the State	708.42
5	DMSWSL and EDWPCL	6.15
6	Power Purchase from Short Term Sources including ST Renewable	0.00
7	Gross Power Purchase Quantum	1750.43
8	Less: Intra-State Transmission Loss @ 0.92%	16.10
9	Net Power Available at NDMC Periphery (7 - 8)	1734.33
10	Sale of Surplus Power	234.67
11	Net Power available for Retail Sales	1499.66

4.9 Power Purchase Cost

Projected Power Purchase cost for 2021-22 is as under:

Table 58: Power Purchase Cost for FY 2021-22

S. No.	Particulars	MU	Amount (Rs Cr.)	Avg. Rate (Rs/ kWh)
A	Total Energy available from Stations outside Delhi	1057.00	355.35	3.36
B	Inter-State Transmission Losses & Charges Net of Special Rebate	21.14	50.00	
C	Energy available from Stations based in Delhi	708.42	504.84	7.13
D	Energy Purchased from DMSWSL	6.15	4.50	7.31
E	Energy available at State Transmission Periphery	1750.43	914.70	5.23
F	Intra-State Transmission Losses & Charges	16.10	50.00	
G	Net Power Available	1734.33	964.70	5.56
H	Less: Sale of Surplus Power	234.67	67.82	2.89
I	Less: Power Purchase Rebate		9.68	
J	Power Available to DISCOM	1499.66	887.20	5.92

S. No.	Particulars	MU	Amount (Rs Cr.)	Avg. Rate (Rs/ kWh)
K	Energy Sales	1357.19	0.00	
L	Distribution Loss	142.47	0.00	
M	Net Energy Requirement	1499.66	887.20	5.92
N	Net Power Purchase Cost		887.20	

4.10 Operations and Maintenance Expenses

4.10.1 As per DERC (Terms and Conditions for Determination of Tariff) Regulations 2017 and DERC Business Plan 2019, the O&M expenses are to be worked out in following manner:

“Normative Operation and Maintenance expenses in terms of Regulation 4(3) and Regulation 92 of the DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017 for the Distribution Licensees shall be as follows;”

Table 59: Rates approved as per DERC Business Plan 2019 (Rs in Lakh)

S. No.	Particulars	Units	FY 2020-21	FY 2021-22	FY 2022-23
1	66 kV Line	Ckt KM	3.079	3.197	3.320
2	33 kV Line	Ckt KM	3.079	3.197	3.320
3	11kV Line	Ckt KM	0.935	0.971	1.008
4	LT Line system	Ckt KM	7.338	7.620	7.912
5	66/11 kV Grid S/s	MVA	0.954	0.991	1.029
6	33/11 kV Grid S/s	MVA	0.954	0.991	1.029
7	11/0.415 kV DT	MVA	1.489	1.546	1.605

4.10.2 The O&M Expenses projected for FY 2021-22 are as follows:

Table 60: O&M Expenses Projected for FY 2021-22 (Rs. Crore)

S. No.	Particulars	Units	Actual as on 31 03 2021	Addition during 21-22	As on 31 03 2022	Rate	Amt in Lakh	Rs. Cr
1	66 kV Line	Ckt KM	53.49	0.00	53.49	3.197	171.01	1.71

S. No.	Particulars	Units	Actual as on 31 03 2021	Addition during 21-22	As on 31 03 2022	Rate	Amt in Lakh	Rs. Cr
2	33 kV Line	Ckt KM	203.62	0.00	203.62	3.197	650.98	6.51
3	11kV Line	Ckt KM	1084.07	7.55	1091.62	0.971	1059.96	10.60
4	LT Line system	Ckt KM	5513.80	0.00	5513.80	7.620	42015.14	420.15
5	66/11 kV Grid S/s	MVA	550.00	60.00	610.00	0.991	604.51	6.05
6	33/11 kV Grid S/s	MVA	1065.10	0.00	1065.10	0.991	1055.51	10.56
7	11/0.415 kV DT	MVA	845.21	0.00	845.21	1.546	1306.69	13.07
		Total						468.64

4.10.3 NDMC requests the Hon'ble Commission to approve the O&M costs for FY 2021-22 as submitted above and allow the actual costs to be considered during True-up of the respective period.

4.11 Capital Investment and Capitalization

4.11.1 The DERC (Terms and Conditions for Determination of Tariff) Regulations 2017 specifies:

"5

...

(16) Capital Investment Plan taking into account the sales / demand forecast, power procurement plan, distribution loss trajectory, targets for quality of supply etc.;

(17) The investment plan shall be scheme-wise and include:

- Purpose of investment (such as replacement of existing assets, meeting load growth, technical loss reduction, reactive energy requirements, customer service improvement, improvement in quality and reliability of supply, etc.),
- Capital Structure,
- Capitalization Schedule,
- Financing Plan,
- Cost-benefit analysis,
- Performance improvement envisaged in the Control Period,
- Any other factors influencing investment,

..."

4.11.2 An amount of Rs 39.50 Crore has been considered for Capitalization for FY 2021-22.

4.11.3 NDMC submits that it is implementing the schemes funded by the Central government. The details of actual capital expenditure on the scheme will be submitted at the time of truing up.

4.12 Consumer Contribution

The Hon'ble Commission approved the following Consumer Contribution for 2021-22

Table 61: Consumer Contribution (Rs. Crore)

S. No.	Particulars	Proposed FY2021-22
1	Opening Consumer Contribution	12.67
2	Addition of Consumer Contribution	0.00
3	Closing Consumer Contribution	12.67
4	Average Consumer Contribution	12.67

4.13 Grossed Fixed Assets (GFA)

Table 62: O&M Expenses Projected for FY 2021-22 (Rs. Crore)

S. No.	Particulars	Proposed FY2021-22
1	Opening GFA	1052.05
2	Capitalisation	39.50
3	Decapitalization	0.00
4	Closing GFA	1091.55
5	Average GFA	1071.80

4.14 Depreciation

4.14.1 NDMC submits to apply an average rate of depreciation for distribution assets @3.60% for computing depreciation for FY 2021-22.

Table 63: Projected Depreciation of Fixed Assets for FY 2021-22 (Rs. Crore)

S. No.	Particulars	Proposed FY2021-22
--------	-------------	--------------------

S. No.	Particulars	Proposed FY2021-22
A	Opening GFA	1052.05
B	Net Additions to asset during the year	39.50
C	Closing GFA	1091.55
D	Average GFA	1071.80
E	Less: Average consumer contribution	12.67
F	Average GFA net of CC	1059.13
G	Average rate of Depreciation	3.60%
H	Depreciation	38.13

4.14.2 NDMC submits that the Gross Fixed Assets has been arrived based on the Draft Report submitted by SBI Caps with regards to separation of assets and accounts for Electricity Distribution SBU of NDMC and the actual capital expenditure and capitalization for FY15, FY16, FY 17, FY 18, FY 19 and FY 20 approved capitalization for FY 21 and projected capitalisation in FY 22, which has been considered at par with FY 2021.

4.15 Working Capital

4.15.1 The DERC Tariff Regulation, 2017 specified the following for computation of Working Capital.

"84.

...

(4) Distribution Licensee as follows:

(i) Working capital for wheeling business of electricity shall consist of ARR for two months of Wheeling charges.

(ii) Working capital for Retail Supply business of electricity shall consist of

- (a) ARR for two months for retail supply business of electricity;
- (b) Less: Net Power Purchase cost for one month;
- (c) Less: Transmission charges for one month.

4.15.2 Accordingly, NDMC has computed the Working Capital as follows:

Table 64: Projected Working Capital for FY 2021-22 (Rs. in Cr.)

S. No.	Particulars	Proposed FY2021-22
1	Revenue Billing in FY 2021-22 at current Tariff	1324.06
2	Receivable equivalent to 2 months average billing	220.68
3	Power purchase expenses including transmission charges	887.20
4	Less: 1/12th of Power purchase expenses	73.93
5	Total Working capital	146.75
6	Opening Working Capital	108.10
7	Change in Working Capital	38.65

4.16 Non-Tariff Income

4.16.1 NDMC has proposed Non-Tariff Income same as the values approved for FY 2021-22 as provided below:

Table 65: Non-Tariff Income FY 2021-22 (Rs. in Cr.)

Particulars	Proposed FY2021-22
Non-Tariff income	4.0

4.17 Return on Capital Employed

For the purpose of this submission, NDMC is submitting the ROCE calculations in line with the Tariff Regulations 2017. For calculating RoCE, NDMC has adopted of normative debt – equity ratio of 70:30, and calculated WACC considering return on equity at the rate of 16% and cost of debt at 9.73%. Detailed calculation of Regulated Rate Base, Change in Working Capital, WACC leading up to estimation of RoCE is shown in table below:

Table 66: RRB for FY 2021-22 (Rs. Crore)

S. No.	Particulars	Proposed FY2021-22
1	RRB - Base Year	
A	Opening original cost of Fixed Assets (OCFA)	1052.05

S. No.	Particulars	Proposed FY2021-22
B	Opening Working Capital (Wco)	108.10
C	Opening accumulated depreciation (Ado)	668.33
D	Opening consumer contributions (Cco)	12.67
E	(A+B)-(C+D) i.e., RRB opening (RRBo)	479.15
2	RRB - for the Year	
F	Investment capitalised during the year (INVi)	39.50
G	Depreciation during the year (Di)	38.13
H	Consumer contribution during the year (CCi)	0.00
I	Fixed assets retired / decapitalized during the year (Reti)	0.00
J	Change in working capital during the year (ΔWCi)	38.65
K	Change in capital investment (ΔABi) (F-G+J)	40.02
L	RRB Closing (E+K)	519.17
N	RRBi (E+L)/2	499.16

4.18 Return on Capital Employed

4.18.1 NDMC has adopted rate of return on equity for FY 2021-22 at 16% as per DERC Tariff Regulations, 2017. Interest rate on the Debt has been taken as 8.00% for FY 2021-22 as already detailed in the true-up of 2019-20.

Table 67: Return on Capital Employed for FY 2021-22 (Rs Crore)

S. No.	Description	Proposed FY2021-22
A	RRBi	499.16
B	Opening Equity for Capitalization (Limited to 30%)	111.32
C	Closing Equity Limiting to 30% of net Capitalization	123.32
D	Average Equity for Capitalization (Limited to 30%)	117.32
E	Opening Debt at 70% of Net Capitalization	259.74

S. No.	Description	Proposed FY2021-22
F	Closing Debt @70% of net Capitalization	287.75
G	Average Debt @70% of net Capitalization	273.75
H	Debt at 100% of Average Working Capital	127.43
I	Total Debt (G+H)	401.18
J	Rate of Return on Equity	16.00%
K	Rate of Debt (%) on Capitalization	8.00%
L	Rate of Debt (%) on Working Capital	8.00%
M	Rate of Interest on Debt (%)	8.00%
N	Weighted Average Cost of Capital (WACC) (%)	9.81%
O	Return on Capital Employed (ROCE)	50.86

4.19 Income Tax

NDMC being exempted from Income tax has not proposed any tax liability for FY2020-21. However, the petitioner request Hon'ble Commission to allow tax liability in future in case required.

4.20 Aggregate Revenue Requirement

4.20.1 NDMC submits the Aggregate Revenue Requirement for FY 2021-22 as below:

Table 68: ARR for FY 2021-22 (Rs. Crore)

S. No.	Particulars	Proposed FY2021-22
1	Cost of power purchase, including T&D Losses	887.20
2	Inter-State Transmission charges	Included in 1
3	Intra-state Transmission charges including SLDC charges	
4	Rebate on Timely Payments	
5	Net Operation & Maintenance (O&M)	468.64
6	Depreciation	38.13
8	RoCE	50.86

S. No.	Particulars	Proposed FY2021-22
9	Income Tax	0.00
10	Aggregate Revenue Requirement	1444.83
11	Less: Non-Tariff Income	4.00
12	Net ARR	1440.83
13	Revenue at Existing Tariff	1324.06
14	Revenue (Gap) / Surplus for FY 2021-22	(116.77)
15	Gap for 2020-21 to be adjusted	(189.34)
16	Gap of 2019-20 to be adjusted	(135.64)
17	Gap upto FY 2018-19 to be adjusted	(167.88)
18	Total Revenue gap to be recovered from Tariff (14+15+16+17)	609.63

4.20.2 Revenue Gap for FY 2019-20 and FY 2021-22 is worked out and explained in this Petition. However, Revised Revenue Gap upto FY 2018-19 and FY 2020-21 is detailed below:

Sr. No.	Particulars	Gap upto FY 2018-19 (Rs in crore)	Gap for FY 2020-21 (Rs in crore)
1	Revenue (Gap)/Surplus as approved by the Hon'ble Commission in the Tariff Order for FY 2020-21	129.47	20.58
2	Additional O&M Expenses claimed in the Review Petition and Current Petition	297.35 (For FY 2017-18 and FY 2018-19)	209.92
3	Revised Revenue Gap (2-1)	167.88	189.34

4.21 Tariff Design and Proposal

4.21.1 There is a Total Net Revenue Gap of Rs. 609.63 Crore, including Gap for FY 2018-19 amounting to Rs. 167.88, for FY 2019-20 amounting to Rs. 135.64 Crore along with Gap for FY 2020-21 amounting to Rs. 189.34 Crore and Gap in revenue at existing tariff for FY 2021-22 amounting to Rs. 116.77 Crore.

4.21.2 The existing Tariff applicable during FY 2021-22 would generate revenue of Rs 1324.06 Crore. The recovery of gap may require appropriate hike in Tariff for which decision may be taken by the Hon'ble Commission.

5 RATIO OF ALLOCATION OF ARR INTO WHEELING & RETAIL SUPPLY

The ratio of allocation of ARR into Wheeling & Retail Supply Business in terms of the Regulation 4(9)(e) of the DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017 shall be as follows:

Table 69: Allocation of ARR into Retail Supply for FY 2021-22

Sr. No.	Particulars	Ratio	NDMC
1	Cost of Power Purchase	100%	887.20
2	Inter-State Transmission charges	100%	
3	Intra-state Transmission charges	100%	
4	SLDC fees and charges	100%	
5	Operation & Maintenance Costs	38%	178.08
6	Depreciation (including AAD)	23%	8.77
7	Return on Capital Employed	28%	14.24
8	Income Tax	28%	0.00
9	Non-Tariff Income	60%	2.40

Table 70: Allocation of ARR into Wheeling for FY 2021-22

Sr. No.	Particulars	Ratio	NDMC
1	Operation & Maintenance Costs	62%	290.56
2	Depreciation (including AAD)	77%	29.36
3	Return on Capital Employed	72%	36.62
4	Income Tax	72%	0.00
5	Non-Tariff Income	40%	1.60

ANNEXURES- Separate Volume attached

NEW DELHI MUNICIPAL COUNCIL

Annexure

FORMATS FOR ARR & TARIFF FILING BY POWER UTILITY

Summary Formats		
1	S1	Profit & Loss Account
2	S2	Balance Sheet
3	S3	Cash flow statement
4	S4	Annual Revenue Requirement
Financial Formats		
5	F1	Power Purchase Cost Statement Monthwise/Yearwise
6	F2	Form 2.1a D
7	F2 (a)	Supplement to Form F2 (Form 2.1a - D)
8	F3	Revenue Grants & subsidies
9	F4	Income from investments and Non-Tariff Income
10	F5	R&M Expenses
11	F6	Employees' Cost & Provisions
12	F7	Administration & General Expenses
13	F8	Statement of Fixed Assets and Depreciation
14	F9	Capitalization
15	F10	Interest & Finance charges
16	F11	Loan details
17	F12	Details of Expenses Capitalised
18	F13	Other Debits
19	F14	Statement of Sundry Debtors & provision for bad & doubtful debtors
20	F15	Net Prior Period Expenses/Income
21	F16	Contribution Grants & subsidies towards Capital assets
22	F17	Statements of assets not in use
23	F18	Investments in Non business related activities
24	F19	Current Assets and Liabilities
25	F20	Net Worth of Distribution Companies
26	F21	Consumer Security Deposit
26	F22	Allocation Statement - Retail Supply Business
27	F23	Allocation Statement - Wheeling Business
27	F1b	Energy Balance: Energy Input and Cost of Pool Power
28	F2b	Investment Plan - Master
28	F3b	Calculation of weighted average rate of interest on actual loans
29	P1	Distribution Losses in LT and HT System
29	P2	District-wise AT&C Loss
30	R1	Projection of Sales, Customers & Connected load for metered consumers
30	R3a	Revenue from Current Tariff & Charges
31	R4a	Revenue from Proposed Tariff & Charges
Instructions for the Utility:		
1	Electronic copy in the form of CD / Floppy Disc shall also be furnished	
2	These formats are indicative in nature and the utility may align the line items to its chart of	
	Previous Year	
	Current Year	
	Ensuing Year	

NEW DELHI MUNICIPAL COUNCIL**Profit & Loss Account**

Form No: S1

All figures in Rs Crores

Sl. No.	Particulars	Approved in Tariff Order 2019-20	Previous Year 2019-20	Variance	Remarks
		Approved	Actual		
A	Revenue				
1	Revenue from sale of power	1126.67	1336.60	209.93	
2	Non-tariff income	3.89	3.68	(0.21)	
3	Other Revenue / subsidies - Sourcewise	0	0	0	
	Total Revenue or Income	1130.56	1340.29	209.73	
B	Expenditure				
1	Purchase of Power from Own Stations	0	0	-	
2	Purchase of Power from Other Sources - Long term	710.06	724.38	14.32	
	Purchase of Power from Other Sources - Short Term	102.51	214.88	112.37	
	Solar Power Purchase	0	0	-	
3	Transmission Charges	99.54	83.40	(16.14)	
	Rebate on power purchase	16.85	14.70	(2.15)	
	Sale of Power	0	36.93	36.93	
	Cost of renewable Certificates	8.95	0	(8.95)	
	Net Power Purchase cost	904.21	971.03	66.82	
4	Operations and Maintenance Expenditure	190.98	364.05	173.08	
5	Net prior period credit/(charges)	-	-	-	
6	Other Debits, Write-offs	-	-	-	
7	Extraordinary items	-	-	-	
8	Less: Expenses Capitalized (A&G / Employee Expenses)	-	-	-	
C	Profit before depreciation, interest and taxes	35.37	5.20	(30.17)	
D	Depreciation and Related debits	23.10	35.04	11.94	
E	PBIT	12.27	(29.84)	(42.11)	
1	Interest & Finance Charges	-	-	-	
2	Less: Interest Capitalized	-	-	-	
F	Total Interest and Finance Charges	-	-	-	
G	TOTAL EXPENDITURE	1118.29	1370.13	251.84	
H	Profit / Loss beforeTax	12.27	(29.84)	(42.11)	
I	Income Tax provisions	-	-	-	
J	Profit / Loss after Tax	12.27	(29.84)	(42.11)	

NEW DELHI MUNICIPAL COUNCIL**Cash Flow Statement (Direct Method)**Yearly
Form No: S3

All figures in Rs Crores

Particulars	PY 2019-20	CY 2020-21	EY 2021-22
	Actual	Approved	Projection
Cash inflow			
Receipts			
Tariff collection	1,334.85	1,062.37	1,324.06
Equity Inflow			
Subsidy received from Govt.			
Sale of Power / Advance	36.93	-	67.82
Other Receipts including non-energy collection from consumers	3.68	7.90	4.00
Consumer Contribution for Capital works	3.15	-	-
Term Loan Received	-		
Sale of Equipment	-		
FD Matured	-		
Interest received	-		
Dividends	-		
Total Cash Inflow	1,378.61	1,070.27	1,395.88
Cash Outflow			
Equity Reduction	-		
Payment for Power Purchase Cost			
Short Term Power Purchase payments (incl. advances) (Note, if any)	214.88		
Medium Term Power Purchase payments (incl. advances) (Note, if any)			
Long Term Power Purchase payments (Note, if any)	724.38	642.95	864.70
Transmission charges	83.40	78.70	100.00
Rebate	14.70	13.33	9.68
TDS deposited on power purchase payments			
Total payment for power purchase	1,007.96	708.32	955.02
Other Payments			
Equity Reduction			
O&M Expenses	364.05	240.73	468.64
Payment to vendors for Repair and Maintenance (Note, if any)			
Payment for Capital works			
Administration and Other Payments			
Fixed Assets Purchased			
TDS & Service Tax deposited (Other than TDS deposited on power purchase payments) Dividend payment			
Income Tax Interest Payment			
(a) Loans for Capex			
(b) Other than Capex			

NEW DELHI MUNICIPAL COUNCIL**Cash Flow Statement (Direct Method)**Yearly
Form No: S3

All figures in Rs Crores

Particulars	PY 2019-20	CY 2020-21	EY 2021-22
	Actual	Approved	Projection
Electricity Tax	68.04	-	-
Fixed Deposit: Debt Service Reserve Account (DSRA)			
Refund of consumer contribution for capital works, if any (Note, if any)			
Other Finance charges Loan Repayment			
(a) For Capex Schemes			
(b) Other than Capex			
Total Outflow of Cash	1,440.05	949.05	1,423.66
Net cash generation / (Deficit)	(61.45)	121.22	(27.78)
Opening Cash and Bank Balance*			
Closing Cash and Bank Balance			
Notes to Accounts			

NEW DELHI MUNICIPAL COUNCIL**Annual Revenue Requirement****Form No: S4**

All figures in Rs Crores

Sl. No.	Particulars	PY 2019-20	CY 2020-21	EY 2021-22
		Actual	Approved	Projection
	Power Purchase (MU)	1,411.41	1,218.68	1,499.66
	Sale of Power (MU)	1,272.05	1,109.00	1,357.19
	Loss %			
	Distribution	9.87%	9.00%	9.50%
	Intra State	0.92%	0.92%	0.92%
	Inter State	1.65%	2.00%	2.00%
1	Receipts			
a	Revenue from tariffs & Miscell. Charges			
	i) Fixed Charges		1,037.74	1,324.06
	ii) Energy Charges			
	iii) PPAC			
	iv) Surcharge for Regulatory Asset (8%)			
	v) Electricity Duty			
	vi) Any Other Receipt (Misuse)			
b	Revenue subsidy from Govt.			
	Total	1,279.28	1,037.74	1,324.06
2	Expenditure			
a	Purchase of Power from Own Stations	-	-	-
b	Purchase of Power from Other Sources	971.03	737.14	887.20
c	Transmission Charges			
d	O&M Expense	364.05	240.73	468.64
g	Depreciation	35.04	22.77	38.13
h	Interest & Finance Charges	-	-	-
i	Less: Interest & other expenses capitalised	-	-	-
j	Extraordinary Items	-	-	-
k	Other (Misc.) - net prior period credit / (charges)	-	-	-
	Total	1,370.13	1,000.64	1,393.96
3	Return as approved / allowed by Commission	48.47	24.43	50.87
4	Other Income	3.68	7.90	4.00
5	Annual Revenue Requirement (2)+(3)-(4)	1,414.92	1,017.17	1,440.83
6	Surplus(+) / Shortfall (-) : (1)-(5) before tariff revision	(135.64)	20.57	(116.77)
7	Tariff Revision Impact	-	-	-
8	Surplus(+) / Shortfall(-) : (6)-(7) after tariff revision	(135.64)	20.57	(116.77)

Power Purchase Statement for FY 2019-20

Form No: F1

Interstate Loss
Intra State Loss

1.65%
0.92%

Source: Delhi SLDC Website

[illegible]

NEW DELHI MUNICIPAL COUNCIL

Power Purchase Statement for FY 2021-22

Form No: F1

Interstate Loss
Intra State Loss2.00%
0.92%

Source: Delhi SLDC Website

Sl. No.	Station Name / AgenCY 2020-21	MUs Purchased / sold	Fixed Cost (in Rs./Cr.)	Variable Cost (in Rs./Cr.)	Other Charges (in Rs./Cr.)	Arrears (in Rs./Cr.)	Interest on Arrears as approved by CERC, if any (in Rs./Cr.)	Late Payment Surcharge, if any (in Rs./Cr.)	Incentive / adjustment, if any	Total Charges (in Rs./Cr.)	Per Unit Cost Rs. / Kwh)	Transmission Losses (MUs) on the basis of last Quarter	Transmission / Open Access Charges (in Rs./Cr.)	MUs at Discoms Periphery	Total charges including transmission charges (in Rs./Cr.)	Per Unit cost at Discom Periphery (Rs./kWh)
	<u>Power Purchase Statement 2020-21</u>															
1	Pragati -I	440.47	47.81	244.76	0.00	0.00	0.00	0.00	0.00	292.57	6.64	4.05	0.00	436.42	292.57	6.70
2	Pragati-PPS III	267.95	95.62	96.98	0.07	0.00	0.00	0.00	0.00	192.67	7.19	7.77	0.00	260.18	192.67	7.41
	Total of long term PPAs (A)	708.42	143.43	341.73	0.07	0.00	0.00	0.00	0.00	485.24	6.85	11.83	0.00	696.59	485.24	6.97
1	DMSWSL	6.15	0.00	4.32	0.00	0.00	0.00	0.00	0.00	4.32	7.03	0.06	0.00	6.09	4.32	7.10
2	Hydro Power Plants	624.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	247.10	3.96	18.11	0.00	605.89	247.10	4.08
	Other than Solar but Renewable (B)	630.15	0.00	4.32	0.00	0.00	0.00	0.00	0.00	251.43	3.99	18.16	0.00	611.99	251.43	4.11
	Total of bilateral purchase (C)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total of purchase through exchange (D)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	Solar Power Plants	433.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.25	2.50	12.56	0.00	420.44	108.25	2.57
	Net Metering and Grid Connected (E)	433.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.25	2.50	12.56	0.00	420.44	108.25	2.57
	Total of banking arrangement (F)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total of intra state purchase (G)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total of UI purchase (H)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Short-Term and Renewable I = (B+C+D+E+F+G+H)	1063.15	0.00	4.32	0.00	0.00	0.00	0.00	0.00	359.68	3.38	30.73	0.00	1032.42	359.68	3.48
	Total Power Purchase Cost (J) = (A + I)	1771.57	143.43	346.06	0.07	0.00	0.00	0.00	0.00	844.92	4.77	42.55	0.00	1729.02	844.92	4.89
	<u>Bulk Power Sale Statement</u>															
	Total of Medium term sale (K)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total of short term billateral sale (L)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total of Sale through exchange (M)	234.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.82	2.89	0.00	0.00	0.00	0.00	0.00
	Total of banking arrangement (N)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total of intra state sale (O)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total of UI sale (P)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total sale (Q)=(K+L+M+N+O+P)	234.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.82	0.00	0.00	0.00	0.00	0.00	0.00
	Net Power Purchase Cost (R)=(J-Q)	1536.90	143.43	346.06	0.07	0.00	0.00	0.00	0.00	777.10	5.06	42.55	100.00	1494.35	877.10	5.87

413393/2021/Power Deptt.				NAME OF DISTRIBUTION LICENSEE : Form 2.1 a-D Licenses : New Delhi Municipal Council																			
From No. : F2 - Period FY 2019-2020																							
Consumer Category		Component of Tariff			Relevant Sales Data																	Collection during the FY 2019-20	Remarks
		Fixed Charges		Energy Charges	Average No. of days billed during the month/billing factor	Total No. of Consumers & sanctioned load (MW/MkVA)		Total bills raised during the month & contracted demand		Total Sales		Fixed Charges Billed	Energy Charges Billed	Other Charges	PPCA Amount Billed	E-Tax	Surcharge 8%	Subsidy if any	Revenue including subsidy/but excluding E-tax	Total Amount Billed (including E-tax and surcharge)	Average Tariff		
		Apr, 19 - Aug, 19	Sept, 19 - Mar, 20			(MW / MkVA)	(No)	(No)	(MW/ MkVA)	(MU)	(MKVAH)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs./kWh)	(Rs. In Cr)	
S.No	1	1 (a)	1 (b)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	20	21	22	23	24
1	Domestic																						
1.1	Domestic					152906	34295	34295		273.591		30.108	159.825		6.243	9.814		-13.614	182.562	192.376	7.032	165.015	
1.1.1	Upto 2 KW Connected Load					25528	20473	20473		90.831		3.867	42.536		1.579	2.410		-8.301	39.680	42.090	4.634	0.000	
	0-200	125	20	3.00	32.806	12122.570	9799.000	9799.000		11.919		0.965	4.561		0.196	0.287		-2.800	2.922	3.210	2.693	0.000	
	201-400	125	20	4.50	35.106	7213.610	5729.000	5729.000		16.194		0.662	6.621		0.247	0.378		-3.094	4.436	4.814	2.973	0.000	
	401-800	125	20	6.50	40.802	4242.740	3376.000	3376.000		24.447		0.663	9.901		0.362	0.549		-1.305	9.621	10.170	4.160	0.000	
	801-1200	125	20	7.00	49.837	988.000	790.000	790.000		13.882		0.378	7.839		0.262	0.426		-0.341	8.138	8.564	6.169	0.000	
	Misuse																						
	Above 1200	125	20	8.00	61.468	961.000	779.000	779.000		24.389		1.198	13.614		0.512	0.769		-0.761	14.563	15.332	6.286	0.000	
1.1.2	Between 2 KW to 5 KW Connected Load					29121	7908	7908		42.349		3.848	20.663		0.696	1.263		-2.952	22.256	23.519	5.554	0.000	
	0-200	140	50	3.00	32.833	13653.000	3710.000	3710.000		3.934		0.883	1.584		-0.045	0.122		-0.956	1.465	1.587	4.034	0.000	
	201-400	140	50	4.50	34.008	7989.020	2172.000	2172.000		6.148		0.788	2.659		0.118	0.178		-1.219	2.346	2.525	4.106	0.000	
	401-800	140	50	6.50	37.947	4811.420	1297.000	1297.000		10.665		0.873	4.542		0.188	0.281		-0.453	5.149	5.430	5.091	0.000	
	801-1200	140	50	7.00	44.504	1279.000	343.000	343.000		6.974		0.495	4.119		0.147	0.238		-0.132	4.629	4.868	6.980	0.000	
	Misuse																						
	Above 1200	140	50	8.00	54.123	1389.000	386.000	386.000		14.628		0.808	7.759		0.289	0.444		-0.191	8.666	9.110	6.227	0.000	
1.1.3	Above 5 KW Connected Load					98257	5914	5914		140.410		22.393	96.627		3.967	6.141		-2.361	120.626	126.767	9.028	0.000	
	0-200	175,200,250	100200250	3.00	30.794	30063.000	2480.000	2480.000		3.627		1.874	1.984		0.100	0.198		-0.758	3.199	3.397	9.367	0.000	
	201-400	175,200,250	100,200,250	4.50	30.631	13487.000	1241.000	1241.000		3.857		1.336	1.915		0.101	0.168		-0.585	2.768	2.935	7.610	0.000	
	401-800	175,200,250	100,200,250	6.50	31.490	12058.000	1011.000	1011.000		8.141		1.981	4.011		0.200	0.310		-0.156	6.036	6.346	7.795	0.000	
	801-1200	175,200,250	100,200,250	7.00	32.919	4658.000	367.000	367.000		7.838		2.534	10.812		0.379	0.685		-0.060	13.664	14.350	18.308	0.000	
	Misuse																						
	Above 1200	175,200,250	100,200,250	8.00	36.634	37990.800	815.000	815.000		116.947		14.667	77.906		3.187	4.779		-0.802	94.959	99.738	8.529	0.000	
1.2	Single Delivery Point on 11 KV CGHS																						
	0-200																						
	201-400																						
	401-800																						
	801-1200																						
	Misuse																						
	Above 1200																						
1.3	Hospital																						
1.4	Worship																						
1.4	DVB Staff																						
1.5	Misuse (Domestic)																						
1.6	Theft (Domestic)																						
2	Non Domestic					554270.224	17799.000	17799.000		931.511	1070.000	178.981	770.789		33.978	49.446	0.000	-0.002	983.747	1033.193	11.092	956.416	
2.1	Non Domestic (Low Tension)					156099.432	17296.000	17296.000		260.462		52.371	193.605		8.854	13.048	0.000	-0.002	254.828	267.875	10.285	281.570	
2.1.1	Single Phase (<=10KW)	250	250	6.00	55.227	39212.800	13549.000	13549.000		69.706		12.389	48.067		2.243	3.274		-0.002	62.698	65.971	9.464	75.671	
	Misuse	250	250	6.00																			
2.1.2	Three Phase (>10kw to <=100kw)	250	250	8.50	47.688	116886.632	3747.000	3747.000		190.756		39.982	145.537		6.611	9.774	0.000		192.130	201.904	10.584	205.899	
	Peak Hours (ToD)	250	250	8.50								350659896.000											
	Off-Peak Hours (ToD)	250	250	8.50																			
	Misuse	250	250	8.50																			

413393/2021/Power Deptt.

Consumer Category		Fixed Charges		Energy Charges	Average No. of days billed during the month/billing factor	Total No. of Consumers & sanctioned load (MW/MkVA)		Total bills raised during the month & contracted demand		Total Sales		Fixed Charges Billed	Energy Charges Billed	Other Charges	PPCA Amount Billed	E-Tax	Surcharge 8%	Subsidy if any	Revenue including subsidy/but excluding E-tax	Total Amount Billed (including E-tax and surcharge)	Average Tariff	Collection during the FY 2019-20	Remarks
		Apr, 19 - Aug, 19	Sept, 19 - Mar, 20			(MW / MkVA)	(No)	(No)	(MW/ MkVA)	(MU)	(MKVAH)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs./kWh)	(Rs. In Cr)	
S.No	1	1 (a)	1 (b)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	20	21	22	23	24
2.2	Mix Load (High Tension) – Sanction Load >100kw					398170.792	503.000	503.000		671.049		126.610	577.185		25.124	36.399	0.000	0.000	728.919	765.318	11.405	674.846	
2.2.1	Supply 11kv(HT)	250	250	8.50	27.848	272206.877	225.000	225.000		473.525		84.045	418.374		18.110	26.237		0.000	520.529	546.766	11.547	459.346	
	Peak Hours (ToD)	250	250	8.50																			
	Off-Peak Hours (ToD)	250	250	8.50																			
2.2.2	Supply on LT (400 Volt, where supply is given from NDMC sub-station)	250	250	8.50	30.400	1057.000	5.000	5.000		2.501		0.339	2.125		0.083	0.127		0.000	2.547	2.674	10.689	2.829	
	Peak Hours (ToD)																						
	Off-Peak Hours (ToD)																						
	Peak Hours (ToD)	250	250	8.50																			
	Peak Hours (ToD)																						
	Off-Peak Hours (ToD)																						
	Off-Peak Hours (ToD)	250	250	8.50																			
	Peak Hours (ToD)																						
	Off-Peak Hours (ToD)																						
2.2.3	where applicant provides built up space for sub-stations	250	250	8.50	30.500	124906.915	273.000	273.000		195.023		42.226	156.686		6.932	10.034		0.000	205.844	215.878	11.069	212.671	
	Peak Hours (ToD)	250	250	8.50																			
	Off-Peak Hours (ToD)	250	250	8.50																			
	Misuse	250	250	8.50																			
3	Small Industrial Power(SIP)	250	250	7.75	39.056	34.000	5.000	5.000		0.015		0.008	0.017		0.001	0.001		0.000	0.026	0.027	18.308	0.017	
4	Public Lighting	250	250	6.25	27.192	1556.000	66.000	66.000		7.101		0.419	3.649		0.157	0.211		0.057	4.282	4.494	6.328	4.867	
5	Delhi Metro Rail Corporation(DMRC)		250	6.25	30.083	8000.000	1.000	1.000		44.653		2.368	26.876		1.010	1.459		-1.075	29.179	30.638	6.861	29.567	
5.1	DMRC (66KV)	250																					
	Peak Hours (ToD)																						
	Off-Peak Hours (ToD)																						
6	Temporary Connection more or equal to 16 days	250			33.181	6637.668	1440.000	1440.000		14.890		19.749	114.745		3.548	7.105		-1.482	136.560	143.666	96.486	17.216	
	Misuse	250																					
7	Others																						
	0-200	20																					
	201-400	20																					
	401-800	20																					
	801-1200	20																					
	Above 1200	20																					
8	JJ Cluster (Flat Rate)			175.00	30.963	0.000	976.000	976.000		0.291		0.000	0.249		0.000	0.000		0.000	0.249	0.249	8.540	0.256	
	Grand Total					723404.052	54582.000	54582.000		1272.052		231.632	1076.151	0.000	44.937	68.037	0.000	-16.114	1336.605	1404.642	22.092	1173.353	

413393/2021/Power Deptt.

Consumer Category		Fixed Charges	Energy Charges	Total No. of Consumers & sanctioned load (MW/MkVA)		Total bills raised during the month & contracted demand	Total Sales	Fixed Charges Billed	Energy Charges Billed	Fixed Charges	Energy Charges	Fixed Charges Billed	Energy Charges Billed	Total Amount Billed (Excluding E-tax and surcharge)	Average Tariff	Proposed Revenue during the FY 2021-22	Collection during the FY 2021-22 @ 99.5%	Remarks
S. No				(MW / MkVA)	(No)	(No)	(MU)	(Rs. In Cr)	(Rs. In Cr)	Rs./KW/ Month or Rs./KVA/ month	(in Rs./ Unit)	(Rs. In Cr)	(Rs. In Cr)	(Rs. In Cr)	(Rs./kWh)	(Rs. In Cr)	(Rs. In Cr)	
1	2	3	4	6	7	8	10	12	13	14	15	16	17	27	28	29	30	31
1.5	Misuse (Domestic)																	
1.6	Theft (Domestic)																	
2	Non Domestic			792662.01	17799.00	17799.00	1070.05	237.80	892.25			256.82	969.42	1130.05		1226.24	1220.11	
2.1	Non Domestic (Low Tension)			228924.70	17296.00	17296.00	288.69	68.68	228.10			74.17	247.82	296.77		321.99	320.38	
2.1.1	Single Phase (<=10KW)	250	6.00	58270.22	13549.00	13549.00	69.16	17.48	41.49	270	6.52	18.88	45.08	58.97		63.96	63.64	
	Misuse	250	6.00															
2.1.2	Three Phase (>10kw to <=100kw)	250	8.50	170654.48	3747.00	3747.00	219.53	51.20	186.60	270	9.24	55.29	202.74	237.80		258.03	256.74	
2.2	Mix Load (High Tension) – Sanction Load >100kw			563737.30	503.00	503.00	781.36	169.12	664.16			182.65	721.59	833.28		904.24	899.72	
2.2.1	Supply 11kv(HT)	250	8.50	381089.63	225.00	225.00	551.58	114.33	468.85	270	9.24	123.47	509.39	583.17		632.86	629.70	
	Peak Hours (ToD)	250	8.50															
	Off-Peak Hours (ToD)	250	8.50															
2.2.2	Supply on LT (400 Volt, where supply is given from NDMC sub-station)	250	8.50	1532.65	5.00	5.00	2.91	0.46	2.47	270	9.24	0.50	2.69	2.93		3.19	3.17	
2.2.3	where applicant provides built up space for sub-stations	250	8.50	181115.03	273.00	273.00	226.87	54.33	192.84	270	9.24	58.68	209.51	247.17		268.19	266.85	
	Peak Hours (ToD)	250	8.50															
	Off-Peak Hours (ToD)	250	8.50															
	Misuse	250	8.50															
3	Small Industrial Power(SIP)	250	7.75	80.80	5.00	5.00	0.03	0.02	0.03	270	8.42	0.03	0.03	0.05		0.05	0.05	
4	Public Lighting	250	6.25	400.00	66.00	66.00	7.07	0.12	4.42	270	6.79	0.13	4.80	4.27		4.93	4.91	
5	Delhi Metro Rail Corporation(DMRC)	250	6.25	3900.00	1.00	1.00	40.97	1.17	25.61	270	6.79	1.26	27.82	26.78		29.08	28.94	
5.1	DMRC (66KV)																	
	Peak Hours (ToD)																	
	Off-Peak Hours (ToD)																	
6	Temporary Connection more or equal to 16 days	125	8.50	5570.00	1440.00	1440.00	14.16	0.84	12.03	135	9.24	0.90	13.07	12.87		13.97	13.90	
8	JJ Cluster (Flat Rate)		175.00	0.00	976.00	976.00	0.42	0.00	0.25	0	190.13	0.00	7.89	0.25		7.89	7.85	
	Grand Total			962900.97	54582.00	54582.00	1357.19	254.84	1069.49			275.23	1169.60	1324.06		1444.83	1437.60	

NEW DELHI MUNICIPAL COUNCIL**Income from investments and Non-Tariff Income**

Form No: F4

In Rs Crores

Sl. No.	Particulars	PY 2019-20	CY 2020-21	EY 2021-22
		Actual	Approved	Projection
A	Income from Investment, Fixed & Call Deposits			
1	Interest Income from Investment of Statutory Reserves			
	Sub-Total			
B	Other Income			
1	Interest on loans and Advances to staff			
2	Interest on Loans and Advances to Licensee			
3	Interest on Loans and Advances to Lessors			
4	Interest on Advances to Suppliers / Contractors			
5	Income from Trading (other than Electricity)			
6	Gain on Sale of Fixed Assets			
7	Income / Fee / Collection against staff welfare activities			
8	Miscellaneous receipts			
9	Misc. charges from consumers			
10	Surcharge on Non Payment of subsidy by Govt			
11	Others, if any			
	Sub-Total			
	Total	3.68	7.90	4.00

NEW DELHI MUNICIPAL COUNCIL

Operation & Maintenance Expenditure

Form No: F5

In Rs Crores

Sl. No.	Particulars	PY 2019-20	CY 2020-21	EY 2021-22
		Actual	Approved	Projection
1	Plant and Machinery			
2	Building			
3	Civil Works			
4	Lines, Cables Networks etc.	364.05	240.73	468.64
5	Vehicles			
6	Furniture and Fixtures			
7	Office Equipments			
8	Spare Inventory for maintaining Transformer redundancy			
9	Sub station maintenance by private agencies			
10	Any other items			
	Total	364.05	240.73	468.64

NEW DELHI MUNICIPAL COUNCIL**Fixed Assets and Provision for Depreciation**

Form No: F8

In Rs Crores

Sl. No.	Particulars	Previous Year - FY 2019-20										
		Gross Fixed Assets				Provision For Depreciation					Net Fixed Asset	
		At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	Rate of Depreciation	At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End Of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
2	Building and Civil Works											
	Others 1											
	Others 2											
	Others 3											
	Sub-Total											
3	Line Cable Networks etc.											
	Towers, poles, fixtures, overhead conductors, devices											
	Transformers											
	Switchgears, Control gear & Protection											
	Batteries											
	Others											
4	Communication equipment											
5	Meters											
6	Vehicles											
7	Furniture & fixtures											
8	Office Equipments											
9	Assets taken over & pending final valuation											
10	Any other items											
	Total (1 to 10)	956.48	60.28	4.21	1,012.55	3.60%	593.49	35.04	-	628.53	362.99	384.02

NEW DELHI MUNICIPAL COUNCIL**Fixed Assets and Provision for Depreciation**

Form No: F8

In Rs Crores

Sl. No.	Particulars	Current Year - FY 2020-21										
		Gross Fixed Assets				Provision For Depreciation					Net Fixed Asset	
		At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	Rate of Depreciation	At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End Of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
2	Building and Civil Works											
	Others 1											
	Others 2											
	Others 3											
	Sub-Total											
3	Line Cable Networks etc.											
	Towers, poles, fixtures, overhead conductors, devices											
	Transformers											
	Switchgears, Control gear & Protection											
	Batteries											
	Others											
4	Communication equipment											
5	Meters											
6	Vehicles											
7	Furniture & fixtures											
8	Office Equipments											
9	Assets taken over & pending final valuation											
10	Any other items											
	Total (1 to 10)	1,012.55	39.50	-	1,052.05	3.60%	628.53	36.71	-	665.24	384.02	386.81

NEW DELHI MUNICIPAL COUNCIL**Fixed Assets and Provision for Depreciation**

Form No: F8

In Rs Crores

Sl. No.	Particulars	Ensuing Year - FY 2021-22										
		Gross Fixed Assets				Provision For Depreciation					Net Fixed Asset	
		At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End of Year	Rate of Depreciation	At Begning of Year	Addition During Year	Adjust-ments & Deduction	At End Of Year	At The begning of Year	At the End of Year
1	Land & Land rights											
2	Building and Civil Works											
	Others 1											
	Others 2											
	Others 3											
	Sub-Total											
3	Line Cable Networks etc.											
	Towers, poles, fixtures, overhead conductors, devices											
	Transformers											
	Switchgears, Control gear & Protection											
	Batteries											
	Others											
4	Communication equipment											
5	Meters											
6	Vehicles											
7	Furniture & fixtures											
8	Office Equipments											
9	Assets taken over & pending final valuation											
10	Any other items											
	Total (1 to 10)	1,052.05	39.50	-	1,091.55	3.60%	668.33	38.13	-	706.46	383.72	385.09

NEW DELHI MUNICIPAL COUNCIL**Format for Capitalization****Form No: F9
In Rs Crores**

S. No.	Name of Division	Scheme No.	Description of Scheme	Amount Capitalized		Date of COD
				Municipal	Consumer	
1	CI - (Electric)	NA	Preliminary Estimate for electricity load of 542 kW for Assam House	2,233,818.00	4,954,275.00	8/10/2019
2	CI - (Electric)	NA	Sanction load of new electric connection of 350 kW at (L&P/AC) at Embassy of federal Democratic Republic of Ethiopia	4,233,343.50	8,135,514.50	8/14/2019
3	CII - (Electric)	021/3	Establishing Switching station near Veerawali Hospital, Chander Gupta Road, Chanakya Puri, New Delhi	5,482,260.00	-	9/11/2019
4	CII - (Electric)	4108026	Augmentation of existing HT System at Sardar Patel Marg, Railway Colony	689,790.00	1,920,120.00	8/9/2019
5	CII - (Electric)	4108026	Preliminary Estimate for Sanction of new electric connection of 1340 kW at UIDAI Head Quarter	2,764,344.00	2,812,839.00	10/11/2019
6	CII - (Electric)	4701002	Augmentation of ESS at Teaching Block AIIMS	-	9,563,015.00	6/10/2019
7	CII - (Electric)	6/1	Providing HT Connection at 25 Akbar road, Darbhanga House, New Delhi	287,235.00	287,235.00	9/26/2019
8	CII - (Electric)	4108026	Providing HT Connection at 7 Maan Singh Road, Darbhanga Place, New Delhi	1,014,363.00	1,017,738.00	8/31/2019
9	CII - (Electric)	6/1	Sanction of Permanent electric connection of 850 kW Non-Domestic at Gujarat Sadan New Delhi	2,764,344.00	2,812,839.00	8/31/2019
10	CVI - (Electric)	20/25	Augmentation of 33 kV ESS at Kidwai Nagar West (NDMC)	4,836,984.00	-	6/1/2019
11	CVI - (Electric)	20/26	Establishing of 33kV ESS at Ali Ganj, Zor Baghi	6,685,682.00	-	3/3/2020
12	CVI - (Electric)	101/24	Replacement of 33 kV Outdoor Switchgear with Indoor GIS Switchgear at 33 kV S/s Nehru Park	4,587,086.00	-	7/14/2019
13	CVI - (Electric)	101/22	Replacement of 33 kV Outdoor Switchgear with Indoor GIS Switchgear at 33 kV S/s Tilak Marg	4,305,994.00	-	10/15/2019
14	CVI - (Electric)	101/30	Replacement of panel Board at S/s Scindia House & Babu Dham	129,875,642.00	-	11/14/2019
Total				169,760,885.50	31,503,575.50	

NEW DELHI MUNICIPAL COUNCIL**Interest & Finance Charges**

Form No: F10

In Rs Crores

Sl. No.			Particulars	PY 2019-20	CY 2020-21	EY 2021-22
				Actual	Approved	Projected
A	I		Administration Expenses			
		1	PFC			
		2	Bond			
		3	Bank / FIs			
		4	APDRP			
		5	Any Other			
			Total of I	-	-	-
	II		Interest on Working Capital Loans Or Short Term Loans			
			Total of A : I + II			
B			Employee's Cost			
		1	Fee And Subscriptions Books And Periodicals			
		2	Printing And Stationery			
		3	Advertisement Expenses (Other Than Purchase Related) Exhibition & Demo.			
		4	Contributions/Donations To Outside Institute/Association			
		5	Electricity Charges To Offices			
		6	O&M Cost	364.05	240.73	468.64
			Total of B	364.05	240.73	468.64
C			Grand Total Of Interest & Finance Charges: A + B	364.05	240.73	468.64
D			Less: Interest & Finance Charges Chargeble to Capital Account	-	-	-
E			Frieght - Material Related Expenses	-	-	-
F			Net Total Of Interest & Finance Charges : For Revenue Account: C-D	364.05	240.73	468.64

NEW DELHI MUNICIPAL COUNCIL**Statement of Sundry Debtors and provision for Bad & Doubtful Debts**

Form No: F14

Annually

In Rs Crores

Sl. No.	Particulars	PY 2019-20
		Actual
1	Receivable from customers as at the beginning of the year	18.22
	a) Domestic	
	b) Non-Domestic	
	c) Industrial	
	d) Agriculture	
	e) Mushroom Cultivation	
	f) Public Lighting	
	g) Delhi Jal Board	
	h) Delhi International Airport Limited	
	i) Railway Traction	
	j) DMRC (Supply at 220 kV and 66 kV)	
	k) Advertisements and Hoardings	
	l) Temporary Supply	
2	Revenue billed for the year	1,336.60
	a) Domestic	182.56
	b) Non-Domestic	983.75
	c) Industrial	0.03
	d) Agriculture	-
	e) Mushroom Cultivation	-
	f) Public Lighting	4.28
	g) Delhi Jal Board	-
	h) Delhi International Airport Limited	-
	i) Railway Traction	-
	j) DMRC (Supply at 220 kV and 66 kV)	29.18
	k) Advertisements and Hoardings	-
	l) Other (Including Temporary Supply and J J Clusters)	136.81
3	Collection for the year	1,279.28
	Against current dues	
	Against arrears upto previous year	
	a) Domestic	
	b) Non-Domestic	
	c) Industrial	
	d) Agriculture	
	e) Mushroom Cultivation	
	f) Public Lighting	
	g) Delhi Jal Board	
	h) Delhi International Airport Limited	
	i) Railway Traction	
	j) DMRC (Supply at 220 kV and 66 kV)	
	k) Advertisements and Hoardings	
	l) Temporary Supply	

413393/2021/Power Deptt.

Sl. No.	Particulars	PY 2019-20
		Actual
4	Gross receivable from customers as at the end of the year	75.55
	a) Domestic	
	b) Non-Domestic	
	c) Industrial	
	d) Agriculture	
	e) Mushroom Cultivation	
	f) Public Lighting	
	g) Delhi Jal Board	
	h) Delhi International Airport Limited	
	i) Railway Traction	
	j) DMRC (Supply at 220 kV and 66 kV)	
	k) Advertisements and Hoardings	
	l) Temporary Supply	
5	Receivables against permanently disconnected consumers	-
	a) Domestic	
	b) Non-Domestic	
	c) Industrial	
	d) Agriculture	
	e) Mushroom Cultivation	
	f) Public Lighting	
	g) Delhi Jal Board	
	h) Delhi International Airport Limited	
	i) Railway Traction5	
	j) DMRC (Supply at 220 kV and 66 kV)	
	k) Advertisements and Hoardings	
	l) Temporary Supply	
6	Receivables (4-5)	75.55
7	% of provision	
8	Provision for bad and doubtful debts	

NEW DELHI MUNICIPAL COUNCIL**Energy Balance : Energy Input and Cost of Pool Power**

Form No: F1b

Sl. No.	Particulars	PY 2019-20		CY 2020-21		EY 2021-22	
		%	MU	%	MU	%	MU
1	Energy Sales						
	a) LT Sales						
	b) HT Sales at 11kV						
	c) HT Sales at 33kV						
	c) EHT Sales						
	Total Energy Sales		1272.052		1,109.00		1,357.19
2	Distribution Losses						
	a) Distribution losses at 33kV level above						
	b) Distribution losses in HT 11kV and LT system combined						
	Total Distribution Losses	9.87%	139.38	9.00%	109.68	9.50%	142.47
3	Energy requirement at T-D boundary						
	a) 11kV and LT energy requirement combined						
	b) HT 33kV energy requirement						
	Total energy requirement at T-D boundary		1411.43		1218.68		1499.66
4	Intra-State Transmission Losses	0.92%	14.36	0.92%	11.32	0.92%	16.10
5	Energy requirement of EHT consumers						
6	Energy Requirement of Distribution system consumers after grossing up for Intra-State Transmission losses		1425.79		1230.00		1515.76
7	Energy Requirement of Distribution Licensee		1425.79		1230.00		1515.76

413393/2021/Power Depptt.

Sl. No.	Particulars	PY 2019-20		CY 2020-21		EY 2021-22	
		%	MU	%	MU	%	MU
8	Inter-State Transmission Losses	1.65%	8.36	2.00%	6.10	2.00%	21.14
9	Total Energy Requirement		1434.14		1236.10		1536.90
10	Total Energy Available		1578.62		1141.00		1771.57
11	Surplus / (Deficit)		144.48		-95.10		234.67
			1434.14		1236.10		1536.90

NEW DELHI MUNICIPAL COUNCIL**Supplement to Form F2 (Form 2.1a - D)****Form No: F2 (a)****Break up of Consumption details under respective slabs (in Kwh)**

		0-200 Units	201-400 Units		401-800 Units			Above 800 Units			
1	Domestic	0-200	0-200	201-400	0-200	201-400	401-800	0-200	201-400	400-800	Above 800
	Energy Charges	390 paisa/Kwh	390 paisa/Kwh	580 Paisa/Kwh	390 paisa/Kwh	580 Paisa/Kwh	680 Paisa/Kwh	390 paisa/Kwh	580 Paisa/Kwh	680 Paisa/Kwh	700 Paisa/Kwh
1.1 (a)	Domestic (Up to 2KW connected load)	11.919	11.919	16.194	11.919	16.194	24.447	11.919	16.194	24.447	38.271
1.1(b)	Domestic (Between 2-5 KW connected load)	3.934	3.934	6.148	3.934	6.148	10.665	3.934	6.148	10.665	21.602
1.1 (c)	Domestic (Above 5 KW connected load)	3.627	3.627	3.857	3.627	3.857	8.141	3.627	3.857	8.141	124.785

NEW DELHI MUNICIPAL COUNCIL**Contributions, Grants and subsidies towards Cost of Capital Assets**

Form No: F16

In Rs Crores

Sl. No.	Particulars	Balance at the beginning of the year	Previous Year FY 2019-20			CY FY 2020-21		Ensuing Year FY 2021-22			Remarks
			Additions during the Year	Capitalized during the year	Balance at the end of the Year	Additions during the Year	Balance at the end of the Year	Additions during the Year	Capitalized during the year	Balance at the end of the Year	
1	Consumer Contribution Towards Cost Of Capital Assets	9.52	3.15	-	12.67	-	12.67	-	-	12.67	Reconciliation with Audited Accounts of the Year (Please mention Exact Note / Schedule for the Audited Accounts), if available
2	Sub-Total	9.52	3.15	-	12.67	-	12.67	-	-	12.67	
3	Subsidies Towards Cost Of Capital Asset	-	-	-	-	-	-	-	-	-	
4	Grant Towards Cost Of Capital Assets	-	-	-	-	-	-	-	-	-	
5	Sub-Total	-	-	-	-	-	-	-	-	-	
	Total	9.52	3.15	-	12.67	-	12.67	-	-	12.67	

NEW DELHI MUNICIPAL COUNCIL

Allocation Statement - Revenue Requirement (for the year)

In Rs Crores

Wheeling Business		PY 2019-20	CY 2020-21	EY 2021-22
		Actual	Projected	Projected
	Expenditure			
A	Power Purchase Cost			
B	O&M Expenses		149.25	290.56
D	Depreciation		17.53	29.36
E	ROCE		17.59	36.62
F	Income tax		0.00	0.00
G	Other Miscellaneous Expenses			
H	Less: Non Tatiff Income		-3.16	-1.60
I	Income from other business			
J	ARR		181.21	354.93

NEW DELHI MUNICIPAL COUNCIL

Allocation Statement - Revenue Requirement (for the year)

In Rs Crores

Retail Business		PY 2019-20	CY 2020-21	EY 2021-22
		Actual	Projected	Projected
	Expenditure			
A	Power Purchase Cost		737.14	887.20
B	O&M Expenses		91.47	178.08
D	Depreciation		5.24	8.77
E	ROCE		6.84	14.24
F	Income tax		0.00	0.00
G	Carrying Cost on Revenue Gap / Regulatory Asset		225.87	
H	Total ARR		840.69	1088.29
I	Less: Non Tatiff Income		4.74	2.40
J	Income from other business		0.00	0.00
K	ARR		835.95	1085.89