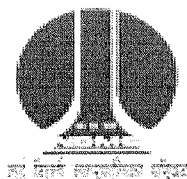


**BEFORE THE HON'BLE  
DELHI ELECTRICITY REGULATORY COMMISSION,  
NEW DELHI**

**True-up of FY 2017-18, Revised ARR for 2018-19 and  
corresponding determination of tariff for 2019-20 as  
per the DERC (Terms and Conditions for  
Determination of Wheeling and Retail Supply Tariff)  
Regulations, 2017**

Volume I

SUBMITTED BY



**NEW DELHI MUNICIPAL COUNCIL**  
PALIKA KENDRA, SANSAD MARG, NEW DELHI - 110001



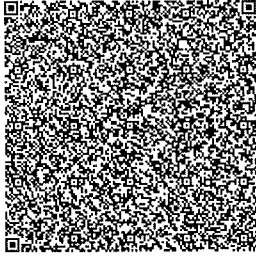
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## INDIA NON JUDICIAL

### Government of National Capital Territory of Delhi

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Before the Delhi Electricity Regulatory Commission, New Delhi

File No.: -----

Case No.: -----

**IN THE MATTER OF:**

**True-up of FY 2017-18, Revised ARR for 2018-19 and  
corresponding determination of tariff for 2019-20.**

**AND**

**IN THE MATTER OF**

**New Delhi Municipal Council, New Delhi-110001 -**

**PETITIONER**

**AFFADAVIT VERIFYING THE PETITION**

I, Amin Ahmed Tazir, 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 2017-18, review of Aggregate Revenue Requirement (ARR) for FY 2018-19 and corresponding determination of tariff for FY 2019-20 for NDMC is based on records believed by me to be true

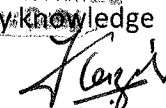
**VERIFICATION**

Verified on ----- that the contents of the affidavit are true to the best of my knowledge and belief and nothing has been cancelled thereof.



**DEPONENT**

AMIN AHMED TAZIR  
Director (Power)  
New Delhi Municipal Council  
Patika Kendra



**DEPONENT**

AMIN AHMED TAZIR  
Director (Power)  
New Delhi Municipal Council  
Patika Kendra

**Before The**  
**Delhi Electricity Regulatory Commission, Delhi**


**IN THE MATTER OF:** Approval of True Up for FY 2017-18, Revised ARR for FY 2018-19 along with ARR and Determination of Tariff for FY 2019-20

**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 New Delhi Municipal Council (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.
- 1.2 As per Section 200 of the New Delhi Municipal Council Act 1994, NDMC has the power to levy charges to its residents for the supply of electricity at such rates as may, from time to time be fixed by the Council.
- 1.3 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 E.R.C. Act, 1998.

  
New Delhi Municipal Council  
Palika Kendra  
Sansad Marg


- 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.
- 1.5 Pursuant to the enactment of the EA 03, 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 FY2008 - FY2011.
  - 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 FY2013 - FY2016.
  - 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.
- 1.6 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 3<sup>rd</sup> 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 FY 2016-17, and corresponding determination of tariff for FY 2017-18.
- 1.7 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 FY 2014-15 and FY 2015-16 and determined the tariff for FY 2017-18.
- 1.8 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 28/03/2018.

- 1.9 By means of this petition, NDMC is submitting the True-up of FY 2017-18, the revised projections for FY 2018-19 (as detailed later) and ARR and tariff for FY 2019-20 in accordance with the provisions of DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017.
- 1.10 While submitting this information, NDMC has made efforts to adhere to most of the Regulations framed by the Hon'ble Commission.
- 1.11 Formats for ARR and Tariff Filing have been enclosed as Volume II along with a soft copy in CD
- 1.12 NDMC requests the Hon'ble Commission to approve True Up for FY 2017-18, and determination of ARR and Tariff for FY 2019-20.

#### **Prayers to the Hon'ble Commission**

- 1.13 NDMC respectfully prays the Hon'ble Commission to:
- (a) Consider the submissions and approve True-up for FY 2017-18 and review and approve the projected ARR and Tariff for FY 2019-20 as proposed in the petition as per the provisions of DERC Tariff Regulations, 2017.
  - (b) The Petitioner prays that NDMC was not a party to the Transfer scheme notified for unbundling of erstwhile DVB. Being an independent licensee, no man, material and assets of erstwhile DVB were transferred to NDMC as part of the transfer scheme. Accordingly, no liability of the Employee Pension Trust should be borne by the consumers in the NDMC license area. It is therefore requested that the Hon'ble Commission may kindly consider the aforesaid submissions while deciding such matters.
  - (c) NDMC prays that its license area comprises of VVIP areas having many establishments of international and national repute viz Rashtrapati Bhawan, Parliament House, Supreme Court of India, Delhi High Court, Embassies and High Commissions of almost all the countries of the world and other government offices and residences of Prime Minister of India, Supreme Court and Delhi High Court judges, Vice-president of India, LG

  
AMIN ASHRAF TAZIR  
Director (Power)  
New Delhi Municipal Council  
B-20, Connaught Place  
New Delhi - 110028


of Delhi to name a few. The Commission may provide a considerate approach for any unavoidable overdrawal of power by NDMC in order to serve the VVIP areas in its license area.

- (d) The power requirement in NDMC area is steep during the day and miniscule in the night hours. Given this 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.
- (e) Examine the proposal submitted by NDMC for a favorable dispensation as detailed in this document.
- (f) 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.
- (g) Pass such further order, as the Hon'ble Commission may deem fit and appropriate keeping in view the facts and circumstances of the case.

#### **New Delhi Municipal Council**

New Delhi

Dated:

  
AMIN AHMED TAZIR  
Director (Power)  
New Delhi Municipal Council  
Patna Kendra  
New Delhi


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AMIR AHMED TAZIR  
Director (Power)  
New Delhi Municipal Council  
Patika Kendra  
New Delhi

## 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

*[Signature]*  
 Director  
 New Delhi Municipal Council  
 P.O. Kirti  
 New Delhi

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

  
 ANIL KUMAR TALWAR  
 Director (Finance)  
 New Delhi Municipal Council  
 Palieta Kendra  
 New Delhi


# 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 E.R.C. 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 1<sup>st</sup> 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 submitted its Aggregate Revenue Requirement (ARR) and Tariff Petition for FY 2005-06, FY 2006-07 and the Hon'ble Commission passed the

  
ANIL KUMAR TAZIR  
Director  
New Delhi Municipal Council  
Public Hearing  
New Delhi

Tariff Order on these Petitions.

- 1.2.2 Subsequently, NDMC had submitted its first Multi Year Tariff Petition for FY 2007-08 to FY 2010-11 along with True Up Petition for FY 2006-07. The Hon'ble Commission passed the Tariff Order on March 07, 2008.
- 1.2.3 NDMC submitted its provisional True Up Petition for FY 2007-08 and Annual Revenue Requirement for FY 2010-11 and the Hon'ble Commission passed the Tariff Order in June, 2009.
- 1.2.4 NDMC submitted its provisional True Up Petition for FY 2008-09 & ARR for FY 2010-11 in December 2009. Also, NDMC submitted its provisional True Up Petition for FY 2009-10 & ARR for FY 2011-12 and the Hon'ble Commission passed the Tariff Order on the same in August, 2011.
- 1.2.5 Subsequently, NDMC had submitted its second Multi Year Tariff Petition for FY 2012-13 to FY 2014-15 along with Annual Performance Review of FY 2011-12 and True Up for FY 2010-11 and the Hon'ble Commission passed the Tariff Order in July 2012.
- 1.2.6 NDMC had also submitted True-up Petition for FY 2011-12 and ARR and Tariff Petition for FY 2013-14. Subsequently, Hon'ble Commission passed the Tariff Order in July 2013.
- 1.2.7 NDMC submitted True-up Petition for FY 2012-13 and ARR and Tariff Petition for FY 2014-15 and the Hon'ble Commission passed the Tariff Order in July 2014.
- 1.2.8 The True-up Petition for FY 2013-14 and the ARR and Tariff Petition for FY 2015-16 was submitted to the Hon'ble Commission by NDMC and the Hon'ble Commission passed the Tariff Order in September 2015.
- 1.2.9 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 FY 2016-17, and corresponding determination of tariff for FY 2017-18.

1.2.10 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 FY 2014-15 and FY 2015-16 and determined the tariff for FY 2017-18.

1.2.11 NDMC filed the petition (07/2018) for approval of True-up for FY 2016-17, revised ARR for FY 2017-18 and approval of ARR and determination of tariff for FY 2018-19. The Hon'ble Commission was pleased to award an order in the said case on March 28, 2018.

### 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 2017-18 and seeks approval of ARR and Tariff approval for FY 2019-20 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 2017-18. The Petitioner is not proposing any deviation from the approved ARR for FY 2018-19 and therefore the approved parameters are being submitted without any deviation. For 2019-20, the Petitioner has submitted all requisite information to project the ARR and corresponding Tariff determination. the information



ANNEXURE  
To  
Order  
No. 11/2018  
Dated 14/03/2018  
By  
The  
Commissioner  
of  
Electricity  
New Delhi

- 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
  - Administrative & Civil Engineering Department Cost
  - Depreciation
  - Return on Capital Employed
  - Non-Tariff Income



## 2 TRUE UP FOR FY 2017-18

### 2.1 Background

2.1.1 The tariff for FY 2017-18 was approved by the Hon'ble Commission vide its order dated August 31, 2017. The tariff was determined as per Tariff Regulations 2017.

2.1.2 In this petition, the actual expenses and revenue for FY 2017-18 is given and accordingly, the true-up amount has been calculated as detailed in this section and has been carried forward to the Aggregate Revenue Requirement of FY 2019-20.

### 2.2 Energy Sales

2.2.1 NDMC provides category-wise energy sales data for FY 2017-18 in the table below. The actual energy sales for FY 2017-18 are compared against the approved energy sales of 1342.45 MU. As may be observed, the energy sales have decreased marginally in comparison to approved sales in FY 2017-18 as shown in the table below:

**Table 1: Category-wise Sales for FY 2017-18 (in MU)**

S. No.	Consumer Category	FY 2017-18	
		Approved in Tariff Order for FY 2017-18	Actual
1	Domestic	252.06	250.09
2	Non-Domestic Low Tension (up to 140 kW/150 kVA)	256.18	247.45
3	Mixed Load*	767.98	721.68
4	Small Industrial Power	0.06	0.04
5	Public Lighting	7.40	7.80
6	Others	11.55	14.44
7	DMRC	47.22	53.18
	<b>Total</b>	<b>1,342.45</b>	<b>1294.37</b>

*\*Mixed Load includes Non-Domestic LT above 140 kW/150 kVA and Non-Domestic HT*

### 2.3 Revenue from Energy Sales

The Revenue billed for the FY 2017-18 against the sales achieved by the utility is consolidated from the Form 2.1(a) and is submitted as below:

**Table 2: Revenue from Sale of Power for FY 2017-18 (in Rs. Crore)**

S. No	Particulars	Actual
1	Revenue Billed (excluding Electricity Tax)	1126.93
2	E-tax billed	52.8
3	Revenue Billed Including Electricity tax and including Surcharge	1179.73
4	Total Revenue Collected including E-tax	1168.83

NDMC humbly pleads before the Hon'ble Commission that the organization is not registered under Company Act and thus the reports are not audited by Chartered Accountants. All the reports 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.

## 2.4 AT&C Losses

2.4.1 NDMC submits its AT&C Losses achieved against the losses approved by the Hon'ble Commission vide its Tariff Order for FY 2017-18 as below:

**Table 3: AT&C Loss for FY 2017-18**

Particulars	Approved in Tariff Order for FY 2017-18	Actual
AT&C Loss	10.80%	14.60%

2.4.2 NDMC submits that the revenue collected and revenue billed (including E. tax) for FY 2017-18 as below:

**Table 4: Revenue Realized and Revenue Collected for FY 2017-18**

S. No	Particulars	Actual
1	Revenue Billed (Rs. Crore)	1179.73
2	Revenue Realized (Rs. Crore)	1168.83
3	Collection Efficiency (%)	99.08%

2.4.3 The Revenue Billed includes Fixed Charge, Energy Charges, Other Charges and PPAC Amount Billed. Additionally, NDMC also submits that the Actual Revenue Billed includes Electricity tax amount. Therefore, the total Revenue Billed as per Form 2.1(a) is submitted as Rs. 1179.73 Crore. Against the same, the revenue collected is Rs 1168.83 crore. From the above, the deductions for

*[Signature]*  
 AMIN  
 Director  
 New Delhi Municipal Council

Electricity Tax has been done to arrive at Rs. 1126.93 crore for the FY 2017-18. NDMC submits that for the purpose of truing up, it is assumed that 100% of the electricity tax amount has been collected on deemed basis and therefore the net revenue collected is considered for the purpose of truing up. The AT&C Losses are determined on revenue billed and collected inclusive of Electricity Tax.

- 2.4.4 NDMC submits the detailed calculation of its AT&C Losses as below. NDMC has achieved distribution losses of 13.81% for FY 2017-18.

**Table 5: Determination of AT&C Loss for FY 2017-18**

S. No.	Particulars	Unit	Actual
1	Energy Input at NDMC Periphery	MU	1,501.74
2	Units Billed	MU	1,294.37
3	Amount Billed	Rs. Crore	1,179.73
4	Average Billing Rate	Rs./unit	9.11
5	Distribution Loss	%	13.81%
6	Amount Collected	Rs. Crore	1,168.83
7	Collection Efficiency	%	99.08%
8	Units Realized	MU	1,282.41
9	<b>AT&amp;C Loss Level</b>	<b>%</b>	<b>14.60%</b>

## 2.5 Power Purchase Quantum

- 2.5.1 NDMC has allocations of power from Dadri TPS, Badarpur 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 6: Power Purchase Quantum for FY 2017-18 (MU)**

S. No.	Particulars	Actual
1	Power Purchase from Central Stations	413.91
2	Interstate Transmission Losses	6.89
3	Net Power Purchase from Central Stations	407.02
4	Power Purchase from State Stations	883.93
5	Power Purchase from Short Term Sources*	317.63
6	Power Purchase from Renewable Sources	267.83
7	Gross Power Purchase	1,876.42
8	Intra State Transmission Loss	12.26
9	<b>Net Power Available at NDMC Periphery</b>	<b>1,864.16</b>

S. No.	Particulars	Actual
10	Sale of Surplus Power	362.42
11	<b>Net Power available for Retail Sales</b>	<b>1,501.74</b>

\*includes Exchange, Banking and IDT and UI

- 2.5.2 In FY 2017-18 NDMC has drawn long term power from Central Stations viz. Dadri TPS and intra state generating stations viz. Badarpur, Pragati and Power Stations (Pragati I and CCGT Bawana). NDMC has also sourced power from Renewable sources (DMSWSL, EDWPCL (DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018)) and grid connected and net metering solar installations. The average inter- state transmission losses and intra-state losses has been considered at 1.65% and 0.84% respectively. The petitioner requests the Hon'ble Commission to kindly consider the actual values of such losses.
- 2.5.3 NDMC submits that currently no payments are being made toward solar power procured from the generating units/net metering units located within license 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).
- 2.5.4 It is further submitted that despite its persistent requests for not allocating any power from GT, the power from the said station was made/scheduled to NDMC during the period September, 2017 to March, 2018. The allocation from GT was made to NDMC during such period when NDMC was already in power surplus scenario. The same resulted in significant surplus capacity available with NDMC during such period. Based on the decision of the management, no payment has been made towards this power. It may be appreciated that NDMC does not have any PPA also with this generating company. Accordingly, for the purpose of true-up, no payment has been considered in the power purchase cost for FY 2017-18 towards this station. However, in case any payments are made in future to the station, the Petitioner craves leave to recover such expenses in the ARR submissions in future.
- 2.5.5 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 truing up.

*[Signature]*  
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## 2.6 Cost of Long Term Power Purchase

2.6.1 NDMC submits the cost of long term power purchase for the FY 2017-18 as below and prays to the Hon'ble Commission to approve the cost as per table below:

**Table 7: Cost of Power Purchase from Long Term Sources**

S. No.	Particulars	Power Purchase (MU)	Power Purchase Cost (Rs. Crore)	Average Rate (Rs./kWh)
	<b>Central Stations</b>			
1	Dadri TPS	413.91	216.62	5.23
	<b>State Generating Stations</b>			
2	Badarpur TPS	258.01	124.68	4.91
3	Pragati I	578.31	271.55	4.7
4	Pragati III- CCGT Bawana	202.28	130.52	6.45
	<b>Total</b>	<b>1452.51</b>	<b>745.37</b>	<b>5.12</b>
5	DMSWSL	4.15	3.46	7.03
6	EDWPCL*	0.14	*	*

\* DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018.

## 2.7 Short Term Power Purchase and Sale

2.7.1 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 8: Short Term Power Purchase and Sale for FY 2017-18**

S. No.	Particulars	Power	Amount	Average Rate (Rs./kWh)
		Quantum	(Rs. Crore)	
1	Bilateral	258.83	120.17	4.64
2	Banking	3.30	0.01	0.04
3	IDT	8.55	0.60	-
4	UI	2.72	0.71	-
5	IEX	53.22	16.53	3.11
	<b>Total Purchases</b>	<b>326.63</b>	<b>138.04</b>	
1	Bilateral	3.21	-	-
2	Banking	3.30	0.01	-
3	IDT	1.21	1.32	-
4	UI	107.76	21.52	2.00
5	IEX	246.94	64.30	2.60
	<b>Total Sales</b>	<b>362.42</b>	<b>87.15</b>	

**Consideration of Quantum of Power purchase and amount:**

- Bilateral Sales/Purchase (Magpie, Magpie-Tanmarg, Brenwar, HPSEB, Digchu, etc.), Banking (TSECL), Exchange related quantum and purchase have been accounted for the FY based on the bills paid during the Financial year.
- IDT purchases/sales- 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. As against a purchase of 8.55 MU during the year, cost has been considered towards (Rs. 0.66 crore).
- 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 realised/likely to be realised from such transactions on accrual basis for FY 2017-18.

**2.8 Rebate on Power Purchase and Transmission Charges**

- 2.8.1 With regard to rebate on Power Purchase and Transmission charges, NDMC submits the following details for the rebates received by the utility towards its power purchase cost as well as transmission charges.

**Table 9: Rebate on Power Purchase Cost for FY 2017-18 (Rs. Crore)**

S. No.	Particulars	Actual
1	Gross Power Purchase Cost	797.73
2	Rebate towards Power Purchase cost (as applicable)	16.39
3	Total Transmission Cost	96.63
4	Rebate towards Transmission charges (as applicable)	1.99

**2.9 Total Power Purchase Cost for True-up**

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

**Table 10: Total Power Purchase Cost for FY 2017-18 (Rs. Crore)**

S. No.	Particulars	Actual
1	Gross Power Purchase Cost	884.88
2	Cost of Short term and Renewable Purchase	
3	Less: Revenue from Sale of Power	87.15
4	Rebate on Power Purchase Cost	16.39

S. No.	Particulars	Actual
5	<b>Net Power Purchase Cost</b>	<b>781.34</b>
6	Interstate Transmission Charges	27.15
7	Intrastate Transmission Charges including SLDC	69.47
8	Total Transmission Charges	96.63
9	Rebate on Transmission Charges	1.99
10	<b>Net Transmission Charges</b>	<b>94.64</b>
11	<b>Total Power Purchase Cost for True-up</b>	<b>875.98</b>

2.9.2 NDMC prays to the Hon'ble Commission to allow the power purchase cost of Rs. 875.98 Crore.

## 2.10 Operation and Maintenance Expenses

2.10.1 Operation and Maintenance (O&M) Expenses of NDMC consists of the following cost elements:

- Employee Expenses
- Administrative and General Expenses
- Repairs and Maintenance Expenses

2.10.2 **Employee Expenses** comprises of Salaries, dearness allowances, Leave Travel Assistance, Earned Leave Encashment, Other allowances & Relief bonus and Honorarium/Overtime. The impact of actual pay revision has not been implemented in FY 2017-18. NDMC requests the Hon'ble Commission to kindly consider the formats and approve the actual employee expenses for FY 2017-18.

2.10.3 **Administrative and General Expenses** mainly comprises of rents, telephone and other communication expenses, professional charges, conveyance and travelling allowances, other debits.

2.10.4 **Repair and Maintenance Expenses** go towards day to day upkeep of distribution functions of NDMC and form an integral part of NDMC's efforts towards reliable and quality power supply to its consumers and reduction of losses in its system.

2.10.5 NDMC submits its O&M Expenses as detailed in the petition and prays to the Hon'ble Commission to approve the same.

Table 11: O&amp;M Expenses FY 2017-18 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order for FY 2017-18	Actual
1	Employee Expenses	-	209.66
2	A&G Expenses	-	9.01
3	R&M Expenses	-	13.45
4	Gross O&M Expenses	183.94	232.13

## 2.11 Administrative and Civil Engineering Department Expenses

2.11.1 Regarding the allocation of Civil Engineering Department expenses to electricity supply business; the Commission in its tariff order for NDMC for FY 2005-06 dated 02/11/2005 mentioned the following:

*"..... As the exact details of the cost of the works carried out by the Civil Engineering Department for Electricity Department are not available at this stage, the Commission, for the purpose of determination of ARR for FY 2005-06, has considered a Lump sum amount of Rs. 1000 Lakh on provisional basis towards this expenditure. The Commission will consider the actual cost of works carried out by Civil Engineering Department for electricity appropriately during the truing up process at the end of the year.... .."*

2.11.2 Since NDMC is yet to segregate the expenses shared by its Civil Engineering Department on account of electricity distribution business, hence NDMC requests the Commission to consider the same amount of Rs. 10 Cr against this head

2.11.3 Further to the above and in respect of allocation of the Administrative Department expenses, Commission in the same tariff order has mentioned the following:

*"... Thus, while 19% of total administrative department expenses have been considered to be allocated to electricity department, an amount ....."*

2.11.4 NDMC submits the Administrative Department expenses for FY 2017-18 as under:

Table 12: Administrative and Civil Engineering Department Expenses for FY 2017-18 (Rs. Crore)

S. No.	Particulars	Actual
1	Civil Engineering Department Expenses	10.00



S. No.	Particulars	Actual
2	Administrative Department Expenses	35.37
3	<b>Total Administrative and Civil Engineering Expense</b>	<b>45.37</b>

## 2.12 Non-Tariff Income

2.12.1 NDMC has considered the non-tariff income from the sale of electricity as per actuals of FY 2017-18. NDMC requests the Hon'ble Commission to approve Non-Tariff Income of Rs. 3.89 Crore for FY 2017-18.

**Table 13: Non-Tariff Income for FY 2017-18 (Rs. Crore)**

S. No.	Particulars	Actual
1	<b>Non-Tariff income</b>	<b>3.89</b>

## 2.13 Capital Expenditure and Capitalisation

2.13.1 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 2017-18.

**Table 14: Gross Fixed Assets for FY 2017-18 (Rs. Crore)**

S. No.	Particulars	Approved in Tariff Order FY 2017-18	Actual
1	Opening GFA	532.70	929.57
2	Capitalisation	152.08	16.44
3	Closing GFA	<b>684.78</b>	946.01
4	<b>Average GFA</b>	608.74	<b>937.79</b>

## 2.14 Financing of New Investments

2.14.1 NDMC has been financing the new assets capitalized through its internal resources and has not taken any debt for the same. Therefore, the Equity and Debt are determined at normative basis as per normative Debt-Equity ratio of 70%: 30%, as shown in the table below:

**Table 15: Financing of New Investment for FY 2017-18 (Rs. Crore)**

S. No.	Particulars	Actual	Remarks
1	Capitalisation	16.44	
2	Consumers Contribution	-	

S. No.	Particulars	Actual	Remarks
3	Balance Capitalisation	16.44	
4	Equity	4.93	30% x (3)
5	Debt	11.51	70% x (3)

## 2.15 Depreciation

2.15.1 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 16: Depreciation for FY 2017-18 (Rs. Crore)**

S. No.	Particulars	Approved in Tariff Order FY 2017-18	Actual
1	Average GFA	608.74	937.79
2	Average Consumer Contribution	7.80	-
3	Average Assets Net of Consumer Contribution	600.94	937.79
4	Average Depreciation Rate	3.60%	3.60%
5	<b>Depreciation</b>	<b>21.63</b>	<b>33.76</b>

## 2.16 Cumulative Depreciation

2.16.1 NDMC submits the accumulated depreciation till FY 2017-18 as below:

**Table 17: Cumulative Depreciation till FY 2017-18 (Rs. Crore)**

S. No.	Particulars	Actual
1	Opening Balance of Cumulative Depreciation	541.26
2	Addition during the year FY 2017-18	33.76
3	Closing Balance of Cumulative Depreciation	575.02

## 2.17 Utilization of Depreciation

2.17.1 NDMC submits to the Hon'ble Commission that no portion of the depreciation has been used to repay any actual debt in FY 2017-18.

Table 18: Utilization of Depreciation for FY 2017-18

S. No.	Particulars	Actual
1	Depreciation for FY 2017-18	33.76
2	Depreciation utilized for Debt repayment in FY 2017-18	-

## 2.18 Working Capital

2.18.1 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 19: Determination of Working Capital for FY 2017-18 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2017-18	Actual
1	Receivables from sale of Electricity	1,342.45	1,240.43
2	Receivables Equivalent to 2 months	223.74	206.74
3	Net Power Purchase Expense (Including Transmission, SLDC, RPO and normative rebate)	821.63	875.97
4	1/12th of Power Purchase Expense	68.47	73.00
5	Total Working Capital	155.27	133.74
6	Less: Opening Balance of Working Capital	114.01	133.74
7	Change in Working Capital	41.26	27.26

## 2.19 Regulated Rate Base

2.19.1 The Regulated Rate Base has been computed below for FY 2017-18 based on the DERC Tariff Regulations 2017 and submitted for the approval of the Hon'ble Commission.

Table 20: Regulated Rate Base for FY 2017-18 (Rs. Crore)

S. No.	Particulars	Approved in Tariff Order FY 2017-18	Actual
1	<b>RRB - Base Year</b>		
A	Opening Balance of GFA	532.70	929.57
B	Opening Balance of Working Capital	114.01	106.48

S. No.	Particulars	Approved in Tariff Order FY 2017-18	Actual
C	Opening Balance of Accumulated Depreciation	408.98	541.26
D	Opening balance of Accumulated Consumer Contribution (in proportion of OCFA to total OCFA + CWIP + Stores)	7.80	-
E	<b>(A+B)-(C+D) i.e., RRB opening</b>	<b>229.93</b>	<b>494.79</b>
2	<b>RRB - for the year</b>		
F	Investments in capital expenditure during the year	152.08	16.44
G	Depreciation for the year	21.63	33.76
H	Consumer Contribution, Grants, etc. for the Year	-	-
I	Fixed asset retirement/Decapitalisation Applicable		
J	<b>Change in Working Capital</b>	<b>41.26</b>	27.26
K	<b>Change in RRB During FY 2017-18 [( F-G-H ) / 2 + J]</b>	<b>106.485</b>	18.60
3	<b>RRB Opening Balance</b>		<b>494.79</b>
	RRB for the year	<b>106.485</b>	18.60
	RRB Closing (E+F+H-G)	360.38	<b>513.39</b>
4	Opening in Regulated Rate Base (RRB) (i)	229.93	494.79
	Change in RRB	<b>106.485</b>	18.60
	<b>Regulated Rate Base (RRB) (i)</b>	<b>336.415</b>	<b>513.39</b>

## 2.20 Return on Capital Employed

2.20.1 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 9.73% at the same rate as approved by the Hon'ble Commission for TPDDL. Detailed calculation of Weighted average cost of capital (WACC) leading up to estimation of RoCE is shown in the table below:

**Table 21: Return on Capital Employed for FY 2017-18 (Rs. Crore)**

S. No.	Description	Approved in Tariff Order FY 2017-18	Actual
1	RRB	336.415	513.39
2	Working Capital Loan	155.27	133.74
3	Net Regulated Rate Base (RRB)	181.14	379.65
4	Equity Rate	16%	16%
5	Debt Rate	8.10%	9.73%
6	Equity (%)	30%	30%
7	Debt (%)	70%	70%
8	WACC	9.38%	11.12%
9	Return on Capital Employed (ROCE)	31.54	57.09

## 2.21 Income Tax

2.21.1 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.

## 2.22 Aggregate Revenue Requirement for Truing up for FY 2017-18

2.22.1 NDMC submits before the Hon'ble Commission the Aggregate Revenue Requirement for FY 2017-18.

**Table 22: Trued up ARR for FY 2017-18 (Rs. Crore)**

S. No.	Description	Approved in Tariff Order	Actual
1	Cost of power purchase, including T&D Losses	821.63	797.73
2	Inter-State Transmission charges		27.15
3	Intra-state Transmission charges (Including SLDC charges)		69.47
	Rebate on Timely payments		-18.39
4	Net Operation & Maintenance (O&M)	183.95	232.13
5	Depreciation	21.63	33.76

*[Signature]*  
 ANIL KUMAR  
 Director  
 New Delhi Municipal Council  
 New Delhi

S. No.	Description	Approved in Tariff Order	Actual
6	Administrative Dept. & Civil Eng. Dept.	0.00	45.37
7	RoCE	31.54	57.09
8	Income Tax	0.00	-
9	Less: Non-Tariff Income	15.69	3.89
10	<b>Aggregate Revenue Requirement</b>	<b>1,043.06</b>	<b>1,240.43</b>

2.22.2 The Hon'ble Commission is requested to approve and allow the Aggregate Revenue Requirement of Rs. 1240.43 Crore as presented above, as against the Approved Aggregate Revenue Requirement of Rs. 1043.06 Crore.

### 2.23 Revenue (Gap)/Surplus

2.23.1 The overall gap based on the actual expenses and revenue during FY 2017-18 is Rs. 124.40 Crore. The same is provided in the table below:

**Table 23: Revenue Gap/ Surplus for FY 2017-18 (Rs. Crore)**

S. No.	Particulars	Actual
1	Aggregate Revenue Requirement, FY 2017-18	1,240.43
2	Revenue Available Towards ARR	1,116.03
3	<b>Revenue (Gap)/Surplus</b>	<b>(124.40)</b>

### 3 ARR FOR FY 2018-19

The Petitioner submits that for the FY 2018-19, it has not proposed any change from the ARR approved by the Hon'ble Commission. The energy sales in the NDMC license 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 2018-19. 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 FY 2018-19 is detailed in the following paragraphs:

#### 3.1 Energy Sales

The Hon'ble Commission approved the following energy sales for FY 2018-19:

**Table 24: Category-wise Energy Sales approved by the Commission for FY 2018-19 (MU)**

	Category	Petitioner's Submission	Approved
A	Domestic	272.66	277.20
B	Non-Domestic	1078.34	272.24
C	Mixed Load*		781.49
D	Small Industrial Power	0.05	0.05
E	Public Lighting	7.93	7.87
F	DMRC	62.11	62.09
G	Others	11.97	11.74
H	Total	1433.06	1412.67

*\*Mixed Load includes Non-Domestic LT above 140Kw/ 150 kVA and Non-Domestic HT*

#### 3.2 Revenue Estimate

The Hon'ble Commission approved the following revenue estimation for FY 2018-19:

**Table 25: Revenue estimated by the commission for FY 2018-19 at the existing Tariff (Rs. Cr.)**

S. No.	Category	Fixed Charges	Energy Charges	Total Revenue
A	Domestic	5.75	147.38	153.13
B	Non-Domestic	9.04	930.01	939.04
C	Small Industry Power	0.00	0.04	0.04
D	Public Lighting	-	5.74	5.74
E	DMRC	0.13	37.87	38.01
F	Others	0.00	14.09	14.09
G	Total	14.92	1135.13	1150.05

*[Signature]*  
 Director  
 New Delhi Municipal Council  
 New Delhi

### 3.3 Distribution Loss and Collection Efficiency

The Hon'ble Commission approved the following distribution loss and collection efficiency for FY 2018-19:

**Table 26: Distribution Loss target and collection efficiency for FY 2018-19 (%)**

Particulars	Approved
Distribution Loss Target	9.63%
Collection Efficiency	99.50%

### 3.4 Energy Requirement

The Hon'ble Commission approved the following energy requirement for FY 2018-19:

**Table 27: Energy Requirement for FY 2018-19**

S. No.	Particulars	UoM	Approved Energy Requirement
A	Energy Sales	MU	1412.67
B	Distribution Loss	MU	150.54
		%	9.63
C	Energy Requirement	MU	1563.21

### 3.5 Energy Availability

The Hon'ble Commission approved the following energy available for FY 2018-19:

**Table 28: Energy available to Petitioner from Central and State Generating stations and other Generating Stations approved for FY 2018-19**

Station	Plant capacity (MW)	Delhi's share (%)	Delhi's share (MW)	Petitioner's Share (MW)	Energy Delhi (MU)	Energy NDMC (MU)
BTPS	705	100%	705	125	808	155.00
Dadri TPS	840	90%	756	125	3462	452.00
Pragati-I	330	100%	330	99.99	1486	482.00
Pragati-III, Bawana	1371	80%	1097	100.10	168	162.00
East Delhi MCW			3.00	0.00	10.25	5.25
<b>Total</b>	<b>3246</b>		<b>2891</b>	<b>450.09</b>	<b>5934.25</b>	<b>1256.25</b>

NDMC submits that at the time of submission of ARR for FY 2018-19 it has given the following availability of power from DMSWSL and EDWPCL (DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018)

S. No.	Power Plant	Total Installed Capacity	% share
1	DMSWSL	24.00	5.09%
2	EDWPCL*	10.00	3.77%

\*(DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018)



However, at the time of approval of power purchase the Hon'ble Commission has not made any mention about DMSWSL.

Considering the fact, that power is being sourced from the said station. NDMC submits that cost of such power is allowed at the time of True-Up

### 3.6 Power Purchase Cost for Generating Stations

The Hon'ble Commission approved the following power purchase cost for 2018-19:

**Table 29: Power Purchase Cost for various generating station for FY 2018-19**

Station	Energy (MU)	Fixed Cost (Rs. Cr)	V.C/Unit (Rs.)	Variable Cost (Rs. Cr)	Total Charges (Rs. Cr.)	Avg. Rate (Rs./kWh)
BTPS	155	17.16	3.65	56.59	73.75	4.76
Dadri TPS	452	73.82	3.17	143.3	217.12	4.8
Pragati-I	482	51.18	4.31	207.89	259.07	5.37
Pragati_III, Bawana	162	43.51	3.77	61.15	104.66	6.46
East Delhi MCW	5.25	0	3.2	1.68	1.68	3.2
<b>Total</b>	<b>1256.25</b>	<b>185.67</b>		<b>470.61</b>	<b>656.28</b>	<b>5.22</b>
EDWPCL*		0.14	*	*		

\* DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018

### 3.7 Renewable Power Purchase Obligation

The Hon'ble Commission approved the following RPO for FY 2018-19:

**Table 30: Targets for Renewable Power Purchase Obligation**

S. No.	Parameter	FY 2018-19
A	Solar Target (Minimum)	4.75%
B	Total RPO	14.25%

**Table 31: 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	1412.67	4.75%	67.10
Non Solar	-	9.50%	134.20
<b>Total</b>	<b>-</b>	<b>-</b>	<b>201.31</b>

### 3.8 Power Purchase Cost

The Hon'ble Commission approved the following power purchase cost for FY 2018-19:

Table 32: Power Purchase Cost for FY 2018-19

S. No.	Particulars	Quantity (MU)	Amount (Rs. Crore)	Average Cost (Rs./kWh)
1	Power purchase from CSGS except BTPS,SGS and RE Plants	452	217.12	4.8
2	PGCIL Losses & Charges	5.47	33.36	
3	Power Purchase from SGS including BTPS excluding RE plants	799	437.47	5.48
4	Renewable Energy Plants	5.25	1.68	3.2
5	Power Available at Delhi Periphery (cost excluding RECs)	1250.78	689.63	5.51
6	DTL loss & Charges including SLDC Charges	15.47	66.18	
7	Power Purchase Rebate @2%		13.13	
8	Rebate on Transmission charges @2%		1.98	
9	Power Available to DISCOM	1235.31	740.71	6
10	Sales	1412.67		
11	Distribution loss	150.54		
12	Net Power Purchase Cost including Transmission charges and RECs	1563.21	839.08	5.37
13	Net Short Term Power Purchase	-327.9	98.37	3

### 3.9 Operations and Maintenance Expenses

The Hon'ble Commission approved the following O & M Expenses for FY 2018-19:

Table 33: Gross O&amp; M Expenses approved for FY 2018-19 (Rs. Crore)

Particulars	Petitioner's Submission	Approved
O&M Expenses	228.38	194.27

### 3.10 Administrative Department and Civil Engineering Department Expenses

The Commission has not allowed any expenses towards Administrative Department and Civil Engineering Department for FY 2018-19.

### 3.11 Capitalization

The Hon'ble Commission approved the following capital investment plan for FY 2018-19:

Table 34: Capital Investment Planned/ Capitalization for FY 2018-19 (Rs. Crore)

Particulars	FY 2018-19
Renovation and Modernization of 33/11 KV SS	11.75
UG Cables	10.79

Particulars	FY 2018-19
Installation of Distribution transformer	1.46
Capacity enhancement of LT substation	19.19
Capacitor bank	0.65
Metering	17.39
Others	39.87
Total	101.10

### 3.12 Gross Fixed Assets

The Hon'ble Commission approved the following GFA for FY 2018-19:

**Table 35: GFA and Depreciation considered for FY 2018-19 (Rs. Crore)**

S. No	Particulars	Approved
A	Opening balance of Fixed Assets	671.70
B	Addition During the year	101.10
C	Closing Balance of Fixed Assets	772.80
D	Opening Balance of Consumer Contribution	7.80
E	Addition during the year	8.34
F	Closing balance of Consumer Contribution	16.14
G	Opening Balance of Fixed Assets Net of Consumer Contribution	663.90
H	Closing balance of Fixed Assets Net of Consumer Contribution	756.66
I	Average Balance of Fixed Assets Net of Consumer Contribution	710.28
J	Depreciation Rate (%)	3.60%
K	Depreciation	25.57

### 3.13 Working Capital

The Hon'ble Commission approved the following working capital for FY 2018-19:

**Table 36: Working Capital for FY 2018-19**

S. No.	Particulars	FY 2018-19
A	Receivables from sale of electricity	1100.00
B	Receivables equivalent to 2 months	183.33
C	Net power Purchase Cost	839.08
D	Less; 1/12 <sup>th</sup> Power Purchase Cost	69.92
E	Total Working Capital	113.41
F	Less: Opening WC	155.27
G	Change in Working Capital	(41.86)

### 3.14 Non- Tariff Income

The Hon'ble Commission approved the following Non-tariff income for FY 2018-19:

Table 37: Non-Tariff Income for FY 2018-19

Non-Tariff Income	FY 2018-19
Total	2.93

### 3.15 Regulated Rate Base

The Hon'ble Commission approved the following Regulated Rate base for 2018-19:

Table 38: RRB considered by the Commission for FY 2018-19 (Rs. Crore)

Particulars	FY 2018-19
Opening balance of OCFA	671.70
Opening balance of working capital	147.74
Opening Balance of Accumulated Depreciation	429.60
Opening balance of accumulated Consumer Contribution (in proportion of OCFA to total OCFA+CWIP+Stores)	9.35
RRB opening Balance	101.10
Investment in capital expenditure during the year	25.57
Depreciation for the year	8.34
Consumer contribution, Grant, etc.	
Change in working capital	-41.86
RRB-closing	380.49
Change in RRB	-8.27
Regulated Rate Base(RRB)	372.23

### 3.15 Return on Capital Employed

The Hon'ble Commission approved the following RoCE for FY 2018-19:

Table 39: Return on Capital Employed for FY 2018-19

S. No.	Particulars	UoM	FY 2018-19
A	RRB (i)	Rs. Cr.	372.33
B	Rate of Return on Equity (Re)	%	16.00
C	Rate of return on Debt (Rd)	%	8.10
D	WACC	%	10.47%
E	RoCE	Rs. Cr.	38.97

### 3.16 Income Tax

No income tax is allowed for FY 2018-19 as NDMC is exempt from Income Tax.

### 3.17 Aggregate- Revenue Requirement

The Hon'ble Commission approved the following ARR for FY 2018-19:

**Table 40: Aggregate-Revenue Requirement for FY 2018-19 (Rs. Crore)**

S. No.	Particulars	FY 2018-19
A	Net Power Purchase Cost	839.08
B	Operation & Maintenance (O& M)	194.27
C	Depreciation	25.57
D	Administrative Dept. & Civil Engg. Dept.	-
E	RoCE	38.97
F	Income Tax	-
G	Less: Non-tariff Income	2.93
H	Aggregate Revenue Requirement	1094.96

The Petitioner submits that no change in the ARR as approved by the Hon'ble Commission has been proposed as part of this petition. However, as submitted in the section of power purchase regarding sourcing of power from DMSWSL, the petitioner craves leave to submit such actual power purchase quantum & cost at the time of final true-up. The Petitioner will submit the actual expenditure in the subsequent petition at the time of truing up for FY 2018-19.

## 4 AGGREGATE REVENUE REQUIREMENT FOR FY 2019-20

### 4.1 Energy Sales

4.1.1 The DERC (Terms and Conditions for Determination of Tariff) Regulations, 2017 (referred to from here onwards as DERC 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:

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

4.1.2 The Petitioner has observed that the sales in its license area have remained stagnant over the last few years. Accordingly, for the purpose of projection of sales for FY 2019-20, the Petitioner has not considered any change in the sales from the actual sales in FY 2017-18.

4.1.3 Accordingly, the following sales projections have been considered for FY 2019-20:

**Table 41: Category-wise Energy Sales for FY 2019-20 (MU)**

Consumer Category	FY 2019-20
Domestic	250.09
Non Domestic	969.13
Industrial	0.04
Public Lighting	7.8
DMRC	53.18
Temporary Supply	14.44
<b>Total</b>	<b>1294.37</b>

### 4.2 Collection Efficiency

4.2.1 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; "*

- 4.2.2 NDMC has considered 99% collection efficiency for FY 2019-20 and the same has been considered for estimation of AT&C Losses.

### 4.3 Distribution Loss

- 4.3.1 The DERC Tariff Regulations, 2017 specifies:

"5...

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

- Total and voltage-wise distribution losses (%) along with the basis thereof,
- Total and category-wise revenue collection,
- 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;

- 4.3.2 NDMC has envisaged a distribution loss of 10% considering that capital expenditure is being incurred towards strengthening of the distribution system. Considering that incremental loss reduction would be capex intensive and difficult to achieve, the distribution loss has been proposed as 10%.

**Table 42: Distribution Loss for FY 2019-20**

S. No.	Particulars	FY 2019-20
1	Distribution Loss	10.00%

### 4.4 AT&C Loss

- 4.4.1 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"*

4.4.2 NDMC submits that it has projected a constant collection efficiency of 99% for the FY 2019-20, as achieving 100% collection efficiency in the retail supply business is unlikely. Therefore, based on the projected distribution loss and 99% collection efficiency, the AT&C Loss for FY 2019-20 is tabulated in the table below:

**Table 43: AT&C Loss for FY 2019-20**

S. No.	Particulars	FY 2019-20
1	Distribution Loss (%)	10.00%
2	Collection Efficiency (%)	99.00%
3	AT&C losses (%)	10.90%

#### 4.5 Energy Requirement

4.5.1 Based on the projected Energy Sales and Distribution Loss for FY 2019-20, the energy requirement for NDMC is projected as under:

**Table 44: Energy Requirement Projections for FY 2019-20**

S. No.	Particulars	FY 2019-20
	<b>Energy Requirement</b>	
1	Energy Sales (MU)	1294.37
2	Distribution Loss (%)	10.00%
3	Distribution Loss (MU)	143.82
4	<b>Energy Required at Distribution Periphery (MU)</b>	<b>1438.19</b>

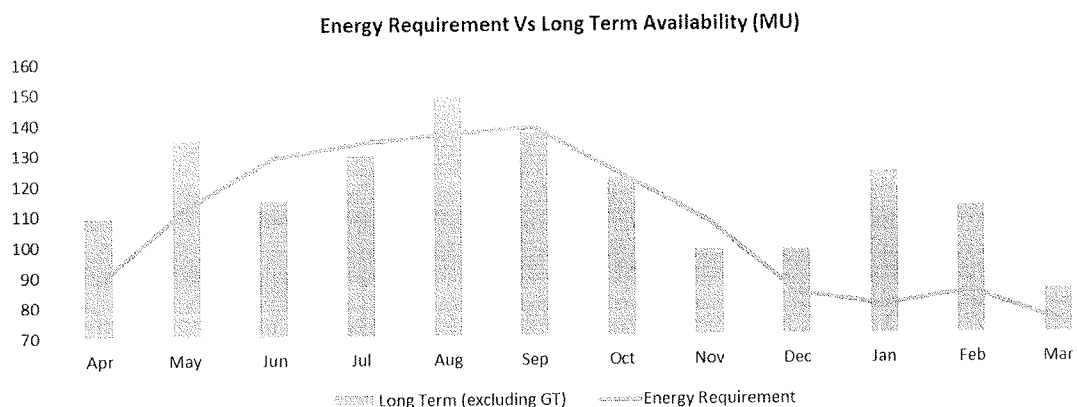
#### 4.6 Energy Availability

4.6.1 The energy requirement for NDMC is projected to be met from various sources namely;

- From NTPC- Dadri Thermal Power Station.
- From Pragati I and Pragati III (Bawana), Delhi MSW Solutions Ltd. and EDWPCL (*DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018*).



- c) The energy projections of these plants have been considered based on past trends. Further, an escalation factor of 2% on adhoc basis has been considered to project the corresponding fixed and energy charges for such plants.
- d) The Petitioner 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 license 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 GT or such other source in the ensuing years. However, in case the Hon'ble Commission envisages allocation of any capacity to NDMC, the same may be considered from the hydro sources available for Delhi discoms after deallocating the equal amount of power from existing allocation to NDMC. The above submissions are



apparently visible from the graph below which compares the availability of power from long term sources (excluding GT) and the energy sales in FY 2017-18. As is apparent from the graph, there is energy shortfall in only a few months. The shortfall can be met through short term renewable energy purchases (bilateral, banking and renewable sources). Accordingly, there is no requirement for additional allocation from GT.

- e) Besides the above, NDMC has considered Sale / Purchase from Short-Term sources viz. Bilateral and exchange to meet the short fall and meet the RPO obligations.

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

Table 45: Energy Availability Assumptions

S. No.	Power Plant	Total Installed Capacity (MW)	Firm % Share
1	Dadri TPS	840.00	14.88%
2	Pragati I	330.00	30.30%
3	Pragati III	1,371.20	7.30%
4	DMSWSL	24.00	5.09%
5	EDWPCL*	10	4.86%

\*(DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018)

- 4.6.3 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.
- 4.6.4 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 2019-20. 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.
- 4.6.5 NDMC is positive that the shortfall in individual months shall be met from the power purchase agreements with Small Hydro Plants during the FY 2019-20. Further, NDMC has allocations from Delhi MSW Solutions Ltd, Bawana, EDWPCL (DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018) 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 demand as and when required.
- 4.6.6 **Consideration for Unique Load Curve of NDMC:** The power requirement in NDMC area is steep during the day and miniscule in the night hours on the basis of existing allocation, NDMC is heavily surplus during night all through the year. Given this unique load pattern, NDMC requests the

*[Signature]*  
 Director  
 New Delhi Municipal Council  
 New Delhi

Hon'ble Commission to consider allocation of power to NDMC in twelve hours' duration instead of existing twenty-four durations.

- 4.6.7 **Solar RPO Obligation:** NDMC envisages procurement of Solar power from various sources within its license area through net metering. The Petitioner in FY 2018-19 has tied up short term solar power to the extent of ~55MW from APPCC and accordingly, it plans to procure incremental solar power in the ensuing year 2019-20 from such sources. NDMC submits that it is making incremental efforts to increase the solar purchase in its power procurement portfolio and will meet the Solar RPO going forward.
- 4.6.8 NDMC has projected Non-Solar RPO from various sources including Small Hydro Projects, Delhi MSW Solutions Ltd. and EDWPCL (DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018) 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 2019-20. For EDWCPL (DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018), the tariff has been considered as approved by the Hon'ble Commission in the tariff order for EDWPC (DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018).

## 4.7 Energy Balance

- 4.7.1 The following table shows the projected energy balance arrived for FY 2019-20 after considering the projected sales, AT&C loss levels, transmission losses, power purchase and sale of surplus power.

**Table 46: Energy Balance Projections for FY 2019-20 (in MU)**

S. No.	Particulars	FY 2019-20
A	Energy Requirement	
1	Energy Sales	1,294.37
2	Distribution Loss (%)	10.00%
3	Distribution Loss (MU)	143.82
4	Energy Required at Distribution Periphery	<b>1,438.19</b>
B	Energy Availability	

S. No.	Particulars	FY 2019-20
1	Power Purchase from CGS outside the State	413.91
2	Power Purchase from within the State	785.94
3	Renewable Energy Procurement for Non-Solar RPO (including DMSWSL, Bilateral and EDWPCL*)	179.87
4	Renewable Energy Procurement for Solar RPO	4.71
5	Purchase/ (Sale) from Short Term /Exchange	69.38
6	Gross Power Purchase Quantum	1,453.80
7	Transmission Losses	15.62
8	Energy Available	1,438.19

\*(DERC order regarding allocation and tariff for this generating station has been notified on Nov 2, 2018)

#### 4.8 Operations and Maintenance Expenses

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

4.8.2

“92. Normative Operations and Maintenance expenses of a Distribution Licensee shall consist of:

- a) *Employee Expenses,*
- b) *Administrative and General Expenses; and*
- c) *Repair and Maintenance Expenses.*

93. Normative Operation and Maintenance expenses of a Distribution Licensee for a Control Period shall be derived on the basis of audited Operation and Maintenance expenses for last five (5) completed Financial Years vis-à-vis normative Operation and Maintenance expenses allowed by the Commission during the corresponding period based on the following parameters:

- a) *Load growth,*
- b) *Consumer growth,*
- c) *Commercial loss,*
- d) *Distribution loss,*
- e) *Inflation,*
- f) *Efficiency,*

*[Signature]*  
 Director  
 New Delhi Municipal Council  
 New Delhi

- g) Capital base and,  
h) Any other factor."

- 4.8.3 NDMC submits actual employee expenses for FY 2017-18 have been escalated at 5.61% (escalation factor considered by the Hon'ble Commission in the tariff order for FY 2017-18) to arrive at the employee expenses in FY 2019-20. NDMC will submit the actual expenses at the time of truing up and also provide justification of deviations, if any at that stage.
- 4.8.4 The Petitioner submits that NDMC was not a party to the Transfer scheme notified for unbundling of erstwhile DVB. Being an independent licensee, no man, material and assets of erstwhile DVB were transferred to NDMC as part of the transfer scheme. Accordingly, no liability of the Employee Pension Trust should be borne by the consumers in the NDMC license area. It is therefore requested that the Hon'ble Commission may kindly consider the aforesaid submissions while deciding such matters.
- 4.8.5 On similar lines, the actual expenses for A & G and R & M as considered in FY 2017-18 have been escalated at 5.61% to arrive at the normative expenses for FY 2019-20. Repairs and Maintenance expenses are critical for ensuring reliable and quality power supply in the NDMC license area and therefore NDMC requests the Hon'ble Commission to consider the submissions and approve the O & M expenses as requested in this petition.
- 4.8.6 The O&M Expenses projected for FY 2019-20 are as follows:

**Table 47: O&M Expenses Projected for FY 2019-20 (Rs. Crore)**

S. No.	Particulars	FY 2019-20
1	Employee Expenses	233.84
2	A & G	10.05
3	R & M	15.00
4	<b>O&amp;M Expenses</b>	<b>258.90</b>

- 4.8.7 NDMC requests the Hon'ble Commission to approve the O&M costs for FY 2019-20 as submitted above and allow the actual costs to be considered during True-up of the respective period.

#### 4.9 Allocation of Administrative Department and Civil Engineering Department Expenses

4.9.1 NDMC submits that it has a separate administration department consisting of NDMC Board, Finance Department, General Administration, Law Department, Public Relations, Staff and Labour welfare, Vigilance department, Auto workshop, Information & Technology, Engineer-in-Chief etc. Also, there is a separate Civil Engineering Department and the services of the department are utilized for the civil works undertaken for electricity substation, lines and other electrical works. Thus, the services of the Administration & Civil Engineering Department are common to all the functions carried out by NDMC and the expenditure pertaining to these departments should be allocated to all functions of NDMC.

4.9.2 NDMC submits that it is in a process to segregate the Accounts of Electricity Division. This activity of segregation was assigned to SBI Caps, however, the completion of this activity has got delayed. The process of segregation of Accounts of Electricity Division is still under progress and expected to complete shortly. Till such time the Accounts are segregated, NDMC proposes to consider the submissions as made in the current petition and requests the Hon'ble Commission to kindly approve the same.

**Table 48: Allocation of Administrative Department and Civil Engineering Department Expenses (Rs. Crore)**

S. No.	Particulars	FY 2019-20
1	Allocation of Administrative Expenses to Power SBU	10
2	Cost of Civil Engineering Department	35.37
3	<b>Total</b>	<b>45.37</b>

#### 4.10 Capital Investment and Capitalization

4.10.1 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:

- a) 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),
- b) Capital Structure,
- c) Capitalization Schedule,
- d) Financing Plan,
- e) Cost-benefit analysis,
- f) Performance improvement envisaged in the Control Period,
- g) Any other factors influencing investment,

..."

4.10.2 NDMC submits that it is envisaging implementation of Smart Grid Infrastructure including enhancing of existing network in NDMC power distribution area. As part of this scheme the existing meters are being replaced with smart energy meters & meter reading would be recorded automatically through GPRS connectivity. About 56000 existing single & three phase, LT CT & HT CT meters are to be replaced in this scheme. NDMC has approved implementation of AMI (IT & SCADA) in NDMC and the work is assigned to M/s. Energy Efficiency Services Ltd. (EESL) (a Govt. of India Enterprise) for executing the project in OPEX model. NDMC will share the details of expenses incurred on this account as and when finalized and will include the same in the subsequent ARR/ True-Up petition. NDMC submits that it has already shared the developments in this regard with the Hon'ble Commission and NDMC endeavors to share additional details regarding implementation of such schemes going forward.

4.10.3 The following table provides a summary to the envisaged investment/capitalisation to be incurred in FY 2019-20:

**Table 49: Capital Investment Planned/ Capitalization for FY 2019-20 (Rs. Crore)**

Particulars	FY 2019-20
Renovation and Modernization of 33/11 KV SS	8.22
UG Cable	8.09
Installation of Distribution Transformer	1.1
Capacity enhancement of substation	14.39
Capacitor Bank	0.32
Metering	12.24
Others	29.85
<b>Total</b>	<b>74.22</b>

#### 4.11 Financing of New Investment

NDMC submits that, it doesn't take any debt and generate funds for capital expenditure from its internal resources only. However, in lines with the regulatory norms, NDMC requests the Hon'ble Commission to consider the normative Debt - Equity ratio of 70:30 for the purpose of allowing return on capital employed considering a normative debt rate of 9.73% and RoE of 16%.

#### 4.12 Depreciation

4.12.1 NDMC submits to apply an average rate of depreciation for distribution assets @ 3.60 % for computing depreciation for FY 2019-20.

**Table 50: Projected Depreciation of Fixed Assets for FY 2019-20 (Rs. Crore)**

S. No.	Particulars	Projections
1	Average GFA	1,084.22
2	Average Consumer Contribution	-
3	Average Assets Net of Consumer Contribution	1,084.22
4	Average Depreciation Rate	3.60%
5	<b>Depreciation</b>	<b>39.03</b>

\* considering closing GFA for FY 2017-18 i.e. Rs 946.01 crore + approved capitalisation for FY 2018-19 i.e. Rs 101.10 crore



4.12.2 NDMC submits that the Gross Fixed Assets has been arrived on the basis of 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, approved capitalization for FY 19 and projected capitalisation in FY 20.

#### 4.13 Working Capital

4.13.1 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.

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

**Table 51: Projected Working Capital for FY 2019-20**

S. No.	Particulars	FY 2019-20
1	ARR for two months for retail supply business of Electricity	200.67
2	Less: Net Power Purchase Cost for one month	66.49
3	Less: Transmission Charges for one month	
4	Working Capital	<b>134.18</b>

#### 4.14 Non-Tariff Income

4.14.1 NDMC has proposed Non-Tariff Income as per the values approved for FY 2019-20 as provided below:

Table 52: Non-Tariff Income FY 2019-20

Non-Tariff income	FY 2019-20
Total	2.93

#### 4.15 Return on Capital Employed

4.15.1 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 53: RRB for FY 2019-20 (Rs. Crore)

S. No.	Particulars	FY 2019-20
1	RRB - Base Year	
A	Opening Balance of GFA	1,047.11
B	Opening Balance of Working Capital	112.57
C	Opening Balance of Accumulated Depreciation	610.90
D	Opening balance of Accumulated Consumer Contribution (in proportion of OCFA to total OCFA + CWIP + Stores)	-
E	(A+B)-(C+D) i.e., RRB opening	548.78
2	RRB - for the year	
F	Investments in capital expenditure during the year	74.22
G	Depreciation for the year	39.03
H	Consumer Contribution, Grants, etc. for the year	-
I	Fixed asset retirement/Decapitalization applicable	
J	Change in Working Capital	21.61
K	Change in RRB During FY 2018-19 [(F-G-H)/2+J]	39.21
3	RRB Opening Balance	548.78
	RRB for the year	39.21

S. No.	Particulars	FY 2019-20
	RRB Closing (E+F+H-G)	587.99
4	<b>Opening in Regulated Rate Base (RRB) (i)</b>	548.78
	Change in RRB	39.21
	<b>Regulated Rate Base (RRB) (i)</b>	587.99

#### 4.16 Return on Capital Employed

4.16.1 NDMC has adopted rate of return on equity for FY 2019-20 at 16% as per DERC Tariff Regulations, 2017. Interest rate on the Debt has been taken as 9.73% for FY 2019-20 as already detailed in the true-up of FY 2017-18. The said rate may kindly be considered as per prevailing rates in the market at the time of truing up for FY 2019-20.

**Table 54: Return on Capital Employed for FY 2019-20 ( Rs Crore)**

S. No.	Particulars	FY 2019-20
1	Regulated Rate Base (RRB)	587.99
2	Working Capital Loan	134.18
3	Net RRB	453.81
4	Rate of return on Equity	16%
5	Rate of Return on Debt	9.73%
6	Weighted Average Cost of Capital (WACC)	11.18%
7	<b>Return on Capital Employed (RoCE)</b>	<b>65.75</b>

#### 4.17 Income Tax

NDMC being exempted from Income tax has not proposed any tax liability for FY 2019-20

#### 4.18 Aggregate Revenue Requirement

4.18.1 NDMC submits the Aggregate Revenue Requirement for FY 2019-20 as below:

Table 55: ARR for FY 2019-20 (Rs. Crore)

	Particulars	FY 2019-20
1	Cost of power purchase, including T&D Losses	738.25
2	Inter-State Transmission charges	25.61
3	Intra-state Transmission charges including SLDC charges	50.80
	Rebate on Timely Payments	(16.74)
4	Net Operation & Maintenance (O&M)	258.90
5	Depreciation	39.03
6	Administrative Dept. & Civil Engg. Dept	45.37
7	RoCE	65.75
8	Income Tax	-
9	<b>Aggregate Revenue Requirement</b>	<b>1206.97</b>
10	Less: Non-Tariff Income	2.93
11	<b>Net ARR</b>	<b>1204.04</b>
12	<b>Revenue At Existing Tariff</b>	<b>1145.02</b>
	<b>Gap for FY 2019-20 to be adjusted</b>	<b>59.02</b>
13	<b>Gap of FY 2017-18 to be adjusted</b>	<b>124.40</b>
14	<b>Total Revenue gap to be recovered from Tariff in FY 2019-20</b>	<b>183.43</b>

#### 4.19 Tariff Design

4.19.1 There is a total Net Gap of Rs. 183.43 Crore, including Gap for FY 2017-18 amounting to Rs. 124.40 Crore and gap in revenue at existing tariff for FY 2019-20 amounting to Rs. 59.02 Crore.

4.19.2 The existing Tariff applicable during FY 2019-20 would generate a revenue of Rs 1,145.02 Crore. The recovery of total gap of Rs. 124.40 Crore would require an overall tariff hike of 16.50%. Therefore, NDMC proposes an average tariff hike of 16.50% across consumer categories to meet the projected revenue gap at the end of the FY 2019-20.

#### 4.20 Tariff Proposal

4.20.1 NDMC submits that an average hike of 16.50% would be required in the


existing tariff in order to recover the ARR for the year FY 2019-20. The detailed category-wise sales, existing tariff and proposed hike in the tariff for each category is provided in the appropriate formats prescribed by the Hon'ble Commission. The Petitioner requests the Hon'ble Commission to kindly consider the same.

4.20.2 NDMC proposes to keep the remaining terms and conditions of tariff unchanged. NDMC has worked out the Revenue and Average Billing Rate as per Proposed Tariff, which is summarized in the following table.


**Table 56: Revenue and ABR for Existing Vs. Proposed Tariff for FY 2019-20**

S. No.	Category	Energy Sales	Revenue at Existing Tariff	Average Billing Rate at Existing Tariff	Hike Proposed in Existing Tariff	Revised Revenue Proposed	Average Billing Rate as per Proposed Tariff
		MU	Rs. Crore	Rs./kWh	%	Rs. Crore	Rs./kWh
1	Domestic	250.09	155.63	6.22	16.50%	181.31	7.25
2	Non-Domestic LT	443.17	242.89	5.48	16.50%	278.71	6.29
3	Non Domestic High Tension small Industrial	525.96	693.82	13.19	16.50%	808.3	15.37
4	Small Industrial Power	0.04	0.04	11.1	16.50%	0.05	12.94
5	Public Lighting	7.8	6.09	7.8	16.50%	7.09	9.09
7	Temporary Supply	14.14	12.91	9.13	16.50%	15.04	10.64
8	DMRC	53.18	33.64	6.33	16.50%	39.19	7.37
	<b>Total</b>	<b>1,294.37</b>	<b>1,145.02</b>	<b>8.85</b>		<b>1,329.69</b>	<b>10.27</b>

NAME OF DISTRIBUTION LICENSEE: NEW DELHI MUNICIPAL COUNCIL					
Profit & Loss Account					
Sr. No.	Particulars	FY (Actual) FY 2017-18	CY (Approved) FY 2018-19	EY (Projection) FY 2019-20	
<b>A</b>	<b>Revenue</b>				
1	Revenue from sale of power	1,116.03	1,094.96	1,316.39	
3	Non Tariff income	3.89	2.93	2.93	
4	Other Revenue/Subsidies-Sourcewise				
	<b>Total Revenue or Income</b>	<b>1,119.92</b>	<b>1,097.89</b>	<b>1,319.32</b>	
<b>B</b>	<b>Expenditure</b>				
1	Power Purchase from Long term Sources	659.69	752.96	738.25	
2	Power Purchase from Other than Long term Sources	138.04	1.68		
3	Transmission Charges	96.63	99.54	76.41	
	(a) Inter-State	69.47	66.18	50.80	
	(b) Intra-State Transmission Charges	27.15	33.36	25.61	
4	Rebate on Power Purchase Cost	18.39	15.11	16.74	
5	O&M Expenses	13.45	-	15.00	
a	R&M Expenses	13.45	194.27	15.00	
b	Employee costs	209.66	-	233.84	
c	Administration and General expenses	9.01	-	10.05	
d	Administrative Dept. & Civil Engg. Dept Expenses	45.37	45.37	45.37	
6	Net prior period credit/ (charges)				
7	Other Debits, Write offs				
8	Extraordinary items				
9	Less: Expenses Capitalized (A&G/ Employee Expenses)				
<b>C</b>	<b>PBDIT</b>	<b>185.13</b>	<b>213.45</b>	<b>461.03</b>	
<b>D</b>	<b>Depreciation and Related debits</b>				
1	Depreciation	33.76	25.57	39.03	
<b>E</b>	<b>Provisions</b>				
<b>F</b>	<b>PBIT</b>	<b>151.37</b>	<b>187.88</b>	<b>422.00</b>	
	Interest & Finance Charges				
	Less: Interest Capitalized				
<b>G</b>	<b>Total Interest and Finance Charges</b>				
<b>H</b>	<b>Total Expenditure</b>				
<b>I</b>	<b>Profit/Loss before Tax</b>	<b>151.37</b>	<b>187.88</b>	<b>422.00</b>	
<b>J</b>	<b>Income Tax</b>				
<b>K</b>	<b>Profit/Loss after Tax</b>	<b>151.37</b>	<b>187.88</b>	<b>422.00</b>	

  
**ANIL KUMAR**  
 Director (Finance)  
 New Delhi Municipal Council  
 Palika Kendra  
 New Delhi


Cashflow Statement				All figures in Rs Crores	
Particulars	FY (Actual) FY 2017-18	CY (Approved) FY 2018-19	EY (Projection) FY 2019-20		
Cash inflow					
Receipts					
Tariff collection	1,116.03	1,094.96	1,316.39		
Equity Inflow					
Subsidy received from Govt.					
Sale of Power/Advance	87.15	98.37	-		
Rebate on Power Purchase Cost	18.39	15.11	16.74		
Consumer Contribution for Capital works	-				
Term Loan Received					
Sale of Equipment					
FD Matured					
Interest received					
Dividends					
<b>Total Cash Inflow</b>	<b>1,221.56</b>	<b>1,208.44</b>	<b>1,333.13</b>		
Cash Outflow					
Equity Reduction					
Payment for Power Purchase Cost					
Short Term Power Purchase payments (incl. advances) (Note, if any)	138.04	1.68	105.06		
Medium Term Power Purchase payments (incl. advances) (Note, if any)					
Long Term Power Purchase payments (Note, if any)	843.46	950.87	709.60		
TDS deposited on power purchase payments					
Total payment for power purchase	981.50	952.55	814.66		
Other Payments					
Equity Reduction					
Salaries, Wages and Other Staff expenses	209.66	-	233.84		
Payment to vendors for Repair and Maintenance (Note, if any)	13.45	194.27	15.00		
Payment for Capital works					
Administration and Other Payments	9.01	-	10.05		
Administrative Dept. & Civil Engg. Dept Expenses	45.37	-	45.37		
Advances (Refer note)					
Fixed Assets Purchased	16.44	101.10	74.22		
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					
Electricity Tax	52.80				
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	1,328.24	1,247.92	1,195.15		
Net cash generation/(Deficit)	(106.68)	(39.48)	139.98		
Opening Cash and Bank Balance*					
Closing Cash and Bank Balance					
Notes to Accounts					

  
 AMNINDER SINGH  
 Director (Finance)  
 New Delhi Municipal Council  
 Patika Kondra  
 New Delhi

NAME OF DISTRIBUTION LICENSEE NEW DELHI MUNICIPAL COUNCIL				
Annual Revenue Requirement				
Form No. S3				
Particulars	PV (Actual) FY 2017-18	CV (Approved) FY 2018-19	FY (Projection) FY 2019-20	
1 Power Purchase (MU)	1,501.74	1,563.21	1,438.19	
2 Sale of Power (MU)	1,294.37	1,433.06	1,294.37	
3 Loss %		8.33%		10.00%
3.1 Distribution				
3.2 Intra State	13.81%	0.01	0.01	
3.3 Inter State	0.02	0.02	0.02	
1 Receipts	1,116.03	1,094.96	1,316.39	
a Revenue from tariffs				
b Fixed Charges	96.48		217.56	
c Energy Charges	1,018.07	1,094.96	1,112.13	
iii) PPAC	1.26			
iv) Surcharge for Regulatory Asset (6%)				
v) Electricity Duty	52.80			
vi) Any Other Receipt (Miscellaneous)	0.01			
b Revenue subsidy from Govt.	11.10			
c Collection Loss	(10.90)			(13.30)
Total	1,168.83	1,094.96	1,316.39	
2 Expenditure	1,187.22	1,058.91	1,141.22	
a Purchase of Power from Long Term Sources	746.84	851.33	633.19	
b Purchase of Power from Other than Long Term Sources	138.04	1.68	105.06	
b2 Sale of Surplus Power	(87.15)	(98.37)		
c Transmission Charges	96.63	99.54	76.41	
i) Intra State	69.47	66.18	50.80	
ii) Inter State	27.15	33.36	25.61	
d Rebate on Power Purchase Cost and Transmission Charge	(18.39)	(15.11)	(16.74)	
e O&M Expenses	232.13	194.27	258.90	
i) R&M Expense	13.45		13.00	
ii) Employee Expenses	209.66		235.84	
iii) A&C Expense	9.01	194.27	10.05	
iv) Administrative and Civil Engg Department Expenses	45.37		45.57	
f Depreciation	33.76	25.57	39.03	
g Interest				
h Finance Charges				
i Less: Interest capitalised				
j Less: Finance charges capitalised				
k Less: O&M capitalised				
l Extraordinary Items				
m Other (Miscellaneous) not prior period credit/ (charges)				
Total	1,187.22	1,058.91	1,141.22	
3 Return as approved/allowed by Commission				
Income Tax	57.09	38.97	65.75	
4 Other Income	3.89	2.93	2.93	
5 Annual Revenue Requirement (2)-(3)-(4)	1,240.43	1,094.95	1,204.04	
6 Surplus (+)/Shortfall (-) : (1)-(5) before tariff revision	(124.40)	0.01	112.35	
7 Tariff Revision Impact				
8 Surplus (+)/Shortfall (-) : (6)-(7) after tariff revision				

AT&C Losses	99.08%	100%	99%
	14.60%	8.78%	10.90%

2%

  
**ANWAR AHMED TAZIR**  
 Director (Power)  
 New Delhi Municipal Council  
 Palika Khenara  
 New Delhi



Station Name/ Agency	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 n/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)
<b>Power Purchase Statement 2017-18</b>															
RPH															
Pragati-I	575.42	50.05	221.50	-	-	-	-	-	271.55	4.72	4.83		570.59	271.55	4.76
Pragati-PS III	202.28	68.93	61.58	-	-	-	-	-	130.52	6.45	1.70		200.58	130.52	6.51
CT	98.06								-	-	0.82		97.24	-	-
NTPC-BTPS	258.01	29.26	96.42	(1.00)	-	-	-	-	124.68	4.83	2.16		255.85	124.68	4.87
NTPS-Dadri	413.91	78.96	133.39	4.27	-	-	-	-	216.62	5.23	6.89		407.02	216.62	5.32
Total Long Term PPAs (A)	1,547.68	227.21	512.89	3.27	-	-	-	-	743.37	4.80	16.40	96.63	1,531.28	840.00	5.49
Long Term - MSW (B)	4.15	1.49	-	-	1.98	-	-	-	3.46	8.35	0.03		4.12	3.46	8.42
Long Term - EDWPCL (C)	0.14	-	-	-	-	-	-	-	-	-	0.00		0.14	-	-
Total of bilateral purchase (D)	258.83	-	120.17	-	-	-	-	-	120.17	4.64	2.17		256.66	120.17	4.68
IEX	53.22	-	16.53	-	-	-	-	-	16.53	3.11	0.45		52.78	16.53	3.13
PXIL	53.22	-	16.53	-	-	-	-	-	16.53	3.11	0.45		52.78	16.53	3.13
Total of purchase through exchange (E)	106.44	-	33.06	-	-	-	-	-	33.06	6.22	0.90		103.38	33.06	6.32
Net Metering and Grid Connected	4.71	-	-	-	-	-	-	-	-	-	0.04		4.67	-	-
Total of banking arrangement (UPPCL+JKPDD)(F)	3.30	-	0.01	-	-	-	-	-	0.01	-	0.03		3.27	0.01	-
Total of intra state purchase (G)	8.55	-	0.60	-	-	-	-	-	0.60	-	-		8.55	-	-
Total of UI purchase (H)	2.72	-	0.71	-	-	-	-	-	-	2.63	0.02		2.70	0.71	2.65
Total Short term and Renewable (B+C+D+E+F)	326.63	-	138.04	-	-	-	-	-	138.04	4.23	2.74	-	323.89	138.04	4.26
Total Power Purchase Cost (I)=(A+B+C+D+E+F+G+H)	1,883.30	228.69	650.93	3.27	1.98	-	-	-	884.88	4.70	19.14	96.63	1,864.16	981.50	5.27
<b>Bulk Power Sale Statement</b>															
IEX	246.94	-	64.30	-	-	-	-	-	64.30	2.60		-	246.94	64.30	2.60
PXIL	246.94	-	64.30	-	-	-	-	-	64.30	2.60		-	246.94	64.30	2.60
Total Sale - Exchanges (A)	493.88	-	128.60	-	-	-	-	-	128.60	5.20		-	493.88	128.60	5.20
Total of short term bilateral sale (J)	3.21	-	-	-	-	-	-	-	-	-	-	-	3.21	-	-
Total of banking arrangement (UPPCL+JKPDD)(K)	3.30	-	0.01	-	-	-	-	-	0.01	-	-	-	3.30	0.01	-
Total of intra state sale (L)	1.21	-	1.32	-	-	-	-	-	1.32	-	-	-	1.21	1.32	-
Total of UI sale (M)	107.76	-	21.52	-	-	-	-	-	21.52	2.00	-	-	107.76	21.52	2.00
Total sale (N)=(A+H+J+K+L+M)	362.42	-	87.15	-	-	-	-	-	87.15	2.40	-	-	362.42	87.15	2.40
Net Power Purchase Cost (O)=(I-N)	1,520.88	228.69	563.79	3.27	1.98	-	-	-	797.73	5.25	19.14	96.63	1,501.74	894.36	5.96

362.42

*Fazir*  
 AMIN AHMAD TAZIR  
 Director (Power)  
 New Delhi Municipal Council  
 Patika Panchra  
 New Delhi

## NAME OF DISTRIBUTION LICENSEE: NEW DELHI MUNICIPAL COUNCIL

Interstate Loss  
Intra State Loss1.65%  
0.84%

Sl. No	Station Name/ Agency	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 CER, 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 (MU) on the basis of last Quarter	Transmission /Open Access Charges (in Rs/Cr.)	MUs at Discom Periphery	Total charges including transmission charges (in Rs/Cr.)	Per Unit cost at Discom Periphery (Rs/kWh)
	<b>Power Purchase Statement 2019-20</b>															
	RPH															
	Pragati - I	578.31	51.31	227.06						278.37	4.81	4.85		573.46	278.37	4.85
	Pragati-PPS III	207.62	72.17	64.47						136.64	6.58	1.74		205.88	136.64	6.64
	GT															
	NTPC- BITS															
	NTPC- Dadri	413.91	80.54	136.06						216.60	5.23	6.89		407.02	216.60	5.32
	Total Long Term PPAs (A)	1,199.85	204.02	427.60	-	-	-	-	-	631.61	5.26	13.48		1,186.36	631.61	5.32
	Long Term - MSW (B)	4.31	1.57	-						1.57	3.65	0.04		4.27	1.57	3.68
	Long Term - EDWPCL (C)	0.57	0.21	-						0.21	3.67	0.00		0.56	0.21	3.67
	Total of bilateral purchase (D)	175.00	-	82.87						82.87	4.74	1.47		173.53	82.87	4.78
	IEX															
	PXIL															
	Total of purchase through exchange (E)	69.38	-	21.98						21.98	3.17	0.58		68.79	21.98	3.20
	Net Metering and Grid Connected	4.71	-	-						-	-	0.04		4.67	-	-
	Total of banking arrangement (UPPCL+ KPDD)(F)															
	Total of intra state purchase (G)															
	Total of UI purchase (H)															
	Total Short term and Renewable (B+C+D+E+F)	264.71	-	106.87						106.87	4.04	2.22		262.49	106.87	4.07
	Total Power Purchase Cost (I)=(A+B+C+D+E+F+G+H)	1,453.80	205.80	532.46						738.25	5.08	15.61		1,438.19	814.66	5.66
	Bulk Power Sale Statement															
	IEX															
	PXIL															
	Total Sale - Exchanges (A)															
	Total of short term bilateral sale (J)															
	Total of banking arrangement (UPPCL+ KPDD)(K)															
	Total of intra state sale (L)															
	Total of UI sale (M)															
	Total sale (N)=(A+H+J+K+L+M)															
	Net Power Purchase Cost (O)=(I-N)	1,453.80	205.80	532.46	-	-	-	-	-	738.25	5.08	15.61	76.41	1,438.19	814.66	5.66

AMRINDER TAZIR  
 Director  
 New Delhi Municipal Council  
 Pura Khandra  
 New Delhi

2017-2018 (Actual)																								
S.No	Consumer Category	Component of Tariff		Relevant Sales Data																				
		Fixed Charged	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 months & contracted demand (MW/MKVA)	Total Sales (MU)	Fixed charges Billed (Rs. Cr)	Energy Charges Billed (Rs. Cr)	PPAC Amount Billed (Rs. Cr)	E-Tax (Rs. Cr)	Subsidy if any (Rs. Cr)	Adjustment (Rs. Cr)	Full year revenue including subsidy but Excluding E-Tax and (Rs. Cr)	Total Amount Billed (including E-Tax and surcharge) (Rs. Cr)	Collection During the Month (Rs. Cr)								
Rates as applicable		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1.00	Domestic																							
1.10	Domestic																							
1.1.1	Upto 2 KW Connected Load																							
	0-200																							
	201-400																							
	401-800																							
	801-1200																							
	Misuse																							
	Above 1200																							
1.1.2	Between 2 KW to 5 KW Connected Load																							
	0-200																							
	201-400																							
	401-800																							
	801-1200																							
	Misuse																							
	Above 1200																							
1.1.3	Above 5 KW Connected Load																							
	0-200																							
	201-400																							
	401-800																							
	801-1200																							
	Misuse																							
	Above 1200																							
1.20	Single Delivery Point on 11 KV CGHS																							
	0-200																							
	201-400																							
	401-800																							
	801-1200																							
	Misuse																							
	Above 1200																							
1.30	Hospital																							
1.40	Worship																							
1.40	DVB Staff																							
1.50	Misuse (Domestic)																							
1.60	Theft (Domestic)																							
2.00	Non Domestic																							
2.10	Non Domestic Low Tension																							
2.1. (A)	Upto 10 kW																							
	Misuse																							
2.1. (B)	Between 10 kW/11 kVA-140 kW/150 kVA																							
	Peak Hours (ToD)																							
	Off-Peak Hours (ToD)																							
	Misuse																							
2.1. (C)	Greater than 140 kW/150kVA (400 volts) (No supply on LT for load>200kW/215kVA)																							



Directive No.	Consumer Category	Form 2.1 a-D Licenses : New Delhi Municipal Council										99%		
		Component of Tariff		Billing Determinants		Revenue at Existing Tariff		Proposed Tariff Structure		Revenue at Proposed Tariff		Total Amount Billed (including E tax and surcharge)		Remarks
		Fixed Charges Ru/KW/ Month or KVA/ month	Energy Charges (in / Unit)	Average No. of billed during the month/billing factor	Sanctioned load (kW/kVA)	No. of Consumers	Projected Sales for FY 2018-19 (MU)	Fixed Charges (in Cr)	Energy Charges (in Cr)	Fixed Charges (in Cr)	Energy Charges (in Cr)	(Ru Cr)	(Ru Cr)	(23)
1.00	Domestic	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	(24)
1.10	Domestic						250.09	18.73	136.90			21.82	159.49	
1.1.1	Upto 2 KW Connected Load													
	0-200	125.00	3.00	-	29,681.09	2,320.44	73.74	4.45	22.12	145.63	3.50	5.19	25.77	30.65
	201-400	125.00	4.50	-	21,583.86	1,807.44	38.86	3.24	17.48	145.63	5.24	3.77	20.37	23.90
	401-800	125.00	6.50	-	17,435.72	1,447.70	32.73	2.62	21.28	145.63	7.57	3.05	24.79	27.55
	801-1200	125.00	7.00	-	4,531.22	397.49	14.47	0.68	10.13	145.63	8.16	0.79	11.80	12.46
	Misuse													
	Above 1200	125.00	7.75	-	1,425.28	123.43	3.96	0.21	3.07	145.63	9.03	0.25	3.57	3.79
1.1.2	Between 2 KW to 5 KW Connected Load													
	0-200	140.00	3.00	-	6,934.85	1,912.98	3.50	1.17	1.05	163.10	3.50	1.36	1.22	2.55
	201-400	140.00	4.50	-	7,631.53	2,160.64	2.24	1.28	1.01	163.10	5.24	1.49	1.18	2.64
	401-800	140.00	6.50	-	5,601.59	1,676.17	3.26	0.94	2.12	163.10	7.57	1.10	2.47	3.53
	801-1200	140.00	7.00	-	2,285.33	743.43	1.10	0.38	0.77	163.10	8.16	0.45	0.90	1.33
	Misuse													
	Above 1200	140.00	7.75	-	1,310.73	439.24	2.52	0.22	1.95	163.10	9.03	0.26	2.27	2.50
1.1.3	Above 5 KW Connected Load													
	0-200	175.00	3.00	-	2,088.15	2,084.64	0.83	0.44	0.25	203.88	3.50	0.51	0.29	0.79
	201-400	175.00	4.50	-	2,381.10	2,055.97	0.96	0.50	0.43	203.88	5.24	0.58	0.51	1.08
	401-800	175.00	6.50	-	3,209.22	2,804.47	2.89	0.67	1.88	203.88	7.57	0.79	2.19	2.98
	801-1200	175.00	7.00	-	2,642.12	2,510.79	1.84	0.55	1.29	203.88	8.16	0.65	1.50	2.13
	Misuse													
	Above 1200	175.00	7.75	-	10,339.37	-	67.18	1.37	52.06	203.88	9.03	1.60	60.65	61.63
1.20	Single Delivery Point on 11 KV CGHS													
	0-200	150.00	4.50	-	6,529.24	12,835.19	-	-	-	-	-	-	-	-
	201-400	150.00	4.50	-	-	-	-	-	-	-	-	-	-	-
	401-800	150.00	4.50	-	-	-	-	-	-	-	-	-	-	-
	801-1200	150.00	4.50	-	-	-	-	-	-	-	-	-	-	-
	Misuse													
	Above 1200	150.00	4.50	-	-	-	-	-	-	-	-	-	-	-
1.30	Hospital													
1.40	Worship													
1.40	DVR Staff													
1.50	Misuse (Domestic)													
1.60	Theft (Domestic)													
2.00	Non Domestic													
2.10	Non Domestic Low Tension													
2.1. (A)	Upto 10 kW	250.00	8.00	-	36,486.08	13,222.00	66.77	10.95	53.41	291.25	9.32	12.75	62.22	74.23
	Misuse	250.00	8.00	-	-	651.00	5.20	-	4.16	291.25	9.32	4.85	4.85	4.80
2.1. (B)	Between 10 kW/11 KVA-140 kW/150 KVA	250.00	8.00	-	117,499.40	3,206.00	169.33	35.25	135.47	291.25	9.32	41.07	157.82	196.90
	Peak Hours (ToD)	250.00	8.00	-	-	70.00	4.05	-	-	291.25	9.32	-	-	-
	Off-Peak Hours (ToD)	250.00	8.00	-	-	70.00	2.10	-	-	291.25	9.32	-	-	-
	Misuse	250.00	8.00	-	-	98.00	4.57	-	3.66	291.25	9.32	-	-	-
2.1. (C)	Greater than 140 kW/150KVA (400 volts) (No supply on LT for load>200kW/215KVA	250.00	8.00	-	-	-	-	-	-	291.25	9.32	-	-	-
(i)	Where supply is given from NDMC sub-station	250.00	8.00	-	1,057.00	13.00	2.81	0.32	2.25	291.25	9.32	2.62	2.99	2.96
	Peak Hours (ToD)	250.00	8.00	-	-	-	-	-	-	291.25	9.32	-	-	-
	Off-Peak Hours (ToD)	250.00	8.00	-	-	-	-	-	-	291.25	9.32	-	-	-

AMIN AHMED TAZIR  
 Director  
 New Delhi Municipal Council  
 Panchsheel Park  
 New Delhi



Energy Balance				Form-Fla	
S.No.	Particulars	PY Actual %	MU	EY Projection %	MU
1	Energy Sales				
	Total Energy Sales		1,294.37		1,294.37
2	Distribution Losses				
	Total Distribution Losses	13.81%	207.37	10.00%	143.82
3	Energy requirement at T-D boundary				
	Total energy requirement at T-D boundary		1,501.74		1,438.19
4	Intra-State Transmission Losses	0.8%	12.26	0.6%	8.72
5	Energy requirement of EHT consumers	-			
6	Energy Requirement of Distribution system consumers after grossing up for Intra-State Transmission losses		1,513.99		1,446.91
7	Energy Requirement of Distribution License		1,513.99		1,446.91
8	Inter-State Transmission Losses	1.65%	6.89	1.650%	6.89
9	Total Energy requirement		1,520.88		1,453.80
10	Total Energy available		1,883.30		1,453.80
11	Surplus / (Deficit)		362.42		0.00
		1,520.88	1,520.88	1,453.80	1,453.80


AMIN AHMED TAZIR  
Director (Power)  
New Delhi Municipal Council  
Pahala Kirti  
New Delhi

NAME OF DISTRIBUTION LICENSEE: NEW DELHI MUNICIPAL COUNCIL

Income from Investments and Non Tariff Income

Form No: F 4				
	Particulars (Rs. Crores)	FY (Actual) FY 2017-18	CY (Estimated) FY 2018-19	EY (Projection) FY 2019-20
A	Income from Investment, Fixed & Call Deposits			
	Interest Income from Investment of Statutory Reserves			-
	Sub-Total			-
B	Other Income			-
	Interest on loans and Advances to staff	0.01		0.00
	Interest on loans and Advances to Licensee			-
	Interest on Loans and Advances to Lessors			-
	Interest on Advances to Suppliers / Contractors			-
	Income from Trading (other than Electricity)			-
	Gain on sale of Fixed Assets	0.21		0.16
	Income / Fee / Collection against staff welfare activities			-
	Miscellaneous receipts	3.67		2.77
	Misc charges from consumers			-
	Surcharge on Non Payment of subsidy by Govt			-
	Sub-Total	3.89		2.93
	Total	3.89		2.93

Reconciliation with Audited Accounts of  
the Year (Please mention exact  
Note/Schedule for the Audited Accounts),  
if available

  
AMIN AHMED TAZIR  
Director (Power)  
New Delhi Municipal Council  
Palika Kendra  
New Delhi




NAME OF DISTRIBUTION LICENSEE: NEW DELHI MUNICIPAL COUNCIL

Repair & Maintenance Expenditure

Form No: F5

SL.No.	Particulars (Figure in Rs Crore)	PY (Actual) FY 2017-18	CY (Estimated) FY 2018-19	EY (Projection) FY 2019-20	
1	Sub Station	10.81		12.05	
	(i) Owned			-	
	(ii) Outsourced			-	
2	Transformer other than installed in Sub Station			-	
3	Building	1.43		1.59	
4	Civil Works			-	
5	Other Works	0.63		0.70	
6	Lines, Cables Net Works etc.			-	
7	Vehicles	0.59		0.66	
8	Furnitures and Fixtures			-	
9	Office Equipments			-	
10	Spare Inventory for maintaining Transformer redundancy			-	
11	Sub station maintenance by private agencies			-	
	<b>R&amp;M expenses</b>	<b>13.45</b>		<b>15.00</b>	

Reconciliation with Audited Accounts  
of the Year (Please mention exact  
Note/Schedule for the Audited  
Accounts), if available

  
**ARIF AHMED TAZIR**  
 Director (Power)  
 New Delhi Municipal Council  
 Police Kondra  
 New Delhi

NAME OF DISTRIBUTION LICENSEE: NEW DELHI MUNICIPAL COUNCIL

Form No. F6

Employee Cost and Provisions

Sl.No.	Particulars (Figure in Rs Crore)	PY (Actual) FY 2017-18	CY (Estimated) FY 2018-19	EY (Projection) FY 2019-20
A	Employee's Cost (Other Than Covered In 'B & C')			
1	Salaries	67.28		75.04
2	DA	36.85		41.10
3	Other Allowances & Relief	1.12		1.25
a	Allowances Details			
b	Travelling/Conveyance	5.79		6.46
c	HRA/BS/Other	85.10		94.92
d				
4	Medical Expenses Reimbursement	-		-
5	Leave Travel Assistance	0.59		0.65
6	Fee & Honorarium	0.00		0.00
7	Incentives/Awards Including That In Partnership Project (Specify Items)	-		-
8	Earned Leave Encashment	4.14		4.62
9	Tuition fee Re-Imbursement			-
10	Leave Salary Contribution			-
11	Payment Under Workman's Compensation And Gratuity			-
12	Subsidised Electricity To Employees	0.51		0.57
13	Staff Welfare Expenses	-		-
C	Apprentice And Other Training Expenses			
D	Payment/Contribution To PF Staff Pension And Gratuity			
1	Terminal Benefits			
a	Provident Fund Contribution	0.00		0.00
b	Provision for PF Fund - Invested			-
	Provision for PF Fund - Not Invested			-
c	Pension Payments			-
d	Gratuity Payment	6.93		7.73
e	Leave Encashment Payment			-
2	Any Other Items			
Total D		208.32		232.35
E	Bonus/Exgratia To Employees	1.34		1.50
F	Grand Total	209.66		233.84
G	Chargeable To Construction Works			-
	Balance Item 'F' Appropriate For (B+C)			-
	Relevant Indices or Wages Increase (As At the beginning & End of the Year)			-
	WPI			-
	CPI			-
	DA Rate			-
A	FRSR			-
	Non-FRSR			-
		209.66		233.84


Employee Expenses approved by commission  
Capitalized Employee Exp

  
AMIN AHMED TAZIR  
Director (Power)  
New Delhi Municipal Council  
Pallana Khera  
New Delhi

NAME OF DISTRIBUTION LICENSEE: NEW DELHI MUNICIPAL COUNCIL  
Administration & General Expenses Form No: F7

S.No.	Particulars (Figure in Rs Crore)	FY (Actual) FY 2017-18	CY (Estimated) FY 2018-19	EX (Projection) FY 2019-20
<b>A)</b>	<b>Administration Expenses</b>			
i)	Rent rates and taxes			
ii)	Lease / Rent			
iii)	Rates & Taxes			
iii)	other Administrative expenses	0.98		1.09
iii)	Sub - total of Rent rates and taxes			
iii)	Insurance			
iv)	Revenue Stamp Expenses Account			
v)	Telephone, Postage, Telegram & Telex Charges			
vi)	Incentive & Award To Employees/Outsiders			
vii)	Consultancy Charges	0.24		0.27
viii)	Technical Fees			
ix)	Other Professional Charges			
x)	Conveyance And Travel	0.01		0.01
xi)	DERC License fee			
xii)	Plant And Machinery			
xiii)	Security /Service Charges Paid to outside agencies	3.82		4.26
	regulatory expenses			
	ombudsman expenses			
	Sub-Total of Administrative Expenses	5.05		5.63
<b>B)</b>	<b>Other Charges</b>			
i)	Fee And Subscriptions Books And Periodicals	0.40		0.45
ii)	Printing And Stationery			
iii)	Advertisement Expenses (Other Than Purchase Related)			
iv)	Exhibition & Demo.			
v)	Contributions/Donations To Outside Institute / Association			
vi)	Electricity Charges To Offices & Establishments	3.24		3.62
vii)	Water Charges	0.29		0.32
viii)	public interaction program			
ix)	any other expenses			
	Sub-Total of other charges			
C)	Legal Charges	0.03		0.04
<b>D)</b>	<b>Auditor's Fee</b>			
<b>E)</b>	<b>Material Related Expenses</b>			
i)	Freight On Capital Equipments			
ii)	Purchase Related Advertisement Expenses			
iii)	Vehicle Running Expenses Truck / Delivery Van			
iv)	Vehicle Hiring Expenses Truck / Delivery Van			
v)	Other Freight			
vi)	Transit Insurance			
vii)	Qcrol			
viii)	Incidental Stores Expenses			
ix)	Fabrication Charges			
	Sub Total of Material related expenses			
<b>F)</b>	<b>Departmental Charges</b>			
i)	Upfront Fee			
ii)	Processing Fee			
iii)	Sub Total			
<b>G)</b>	<b>Total Charges</b>	9.01		10.05
<b>H)</b>	<b>Total Charges Chargeable To Capital Works</b>			
<b>I)</b>	<b>Total Charges Chargeable To Revenue Expenses</b>	9.01		10.05

A&G approved by commission

  
AMIN AHMED TAZIR  
Director (Power)  
New Delhi Municipal Council  
Pallika Kendra  
New Delhi