

### A. INTRODUCTION

- 1.1 New Delhi Municipal Council (NDMC), the Distribution Licensee, has filed its Petition for Approval of True up for FY 2017-18, and ARR and determination of Tariff for FY 2019-20.
- 1.2 This Executive Summary contains the summary of the Petition filed by NDMC for True up for FY 2017-18 (based on audited accounts), along with ARR and corresponding determination of Tariff of FY 2019-20 (based on projections).
- 1.3 The Commission shall true-up the ARR for FY 2017-18 as per Delhi Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2017, after prudence check.
- 1.4 ARR and Tariff for FY 2019-20 shall be based on the provisions of Delhi Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2017, which broadly has the following components:
  - a. Power Purchase Cost including transmission charges
  - b. Operation and Maintenance (O&M) expenses
  - c. Return on Capital Employed
  - d. Depreciation
  - e. Income Tax.
  - f. Non-tariff Income, etc.
- 1.5 The figures of various components in the executive summary have been extracted from the Petitions filed by NDMC.

### B. TRUE UP OF FY 2017-18

- 1.6 NDMC has submitted that Energy Sales for FY 2017-18 based on actual as follows:

**Table 1: Energy Sales for FY 2017-18 (MU)**

Sl. No	Consumer Category	Original Submission	Revised Submission
1	Domestic	250.09	250.16
2	Non Domestic	247.45	
3	Mixed Load	721.68	927.98
4	Small Industrial Power	0.04	0.05
5	Public Lighting	7.80	7.80
6	Other	14.44	14.40
7	DMRC	53.18	53.18
	<b>Total</b>	<b>1294.37</b>	<b>1253.17</b>

- 1.7 The AT&C loss along-with Distribution Loss and Collection Efficiency for FY 2017-18 sought by NDMC is as follows:

Table 2: AT&C Loss for FY 2017-18 (%)

Sl. No.	Particulars	Original Submission	Revised Submission
1	AT&C Loss	14.60	17.18
2	Distribution Loss	13.81	15.43
3	Collection Efficiency	99.08	97.93

1.8 The Power Purchase Quantum and Cost submitted by NDMC for FY 2017-18 is as follows:

Table3: Power Purchase Quantum for FY 2017-18 (MU)

Sl. No	Particulars	Original Submission	Revised Submission
1	Power Purchase from Central Stations	413.91	413.91
2	Interstate Transmission Losses	6.98	6.83
3	Net Power Purchase from Central Stations	407.02	407.08
4	Power Purchase from State Stations	883.93	1134.31
5	Power Purchase from Short Term Sources (* incl ST Renewables)	317.63	330.69*
6	Power Purchase from Renewable Sources (**DMSWSL & EDWPCL)	267.83	4.45**
7	<b>Gross Power Purchase</b>	<b>1876.42</b>	<b>1876.53</b>
8	Intra State Transmission Loss	12.26	15.74
9	<b>Net Power Available at NDMC Periphery</b>	<b>1864.16</b>	<b>1860.79</b>
1	Sale of Surplus Power	362.42	379.04
1	<b>Net Power available for Retail sales</b>	<b>1501.74</b>	<b>1481.75</b>

Table 4: Power Purchase Cost for FY 2017-18 (Rs. Crore)

Sl. No	Particulars	Original Submission	Revised Submission
1	<b>Gross Power Purchase Cost</b>	<b>884.88</b>	<b>856.25</b>
2	Cost of Short term and Renewable Purchase		
3	Less Revenue from Sale of Power	87.15	90.01
4	Rebate on Power Purchase Cost	16.39	17.04
5	<b>Net Power Purchase Cost</b>	<b>781.34</b>	<b>749.21</b>
6	Intra state Transmission Charges	27.15	27.15
7	Intra state Transmission Charges including SLDC	69.47	69.47
8	Total Transmission Charges	<b>96.63</b>	<b>96.63</b>
9	Rebate on Transmission Charges	<b>1.99</b>	<b>1.36</b>
10	<b>Net Transmission Charges</b>	94.64	95.27
	<b>Total Power Purchase Cost for True-up</b>	<b>875.98</b>	<b>844.48</b>

1.9 The O&M Expenses as considered by NDMC during FY 2017-18 is as follows:

Table5: O&M Expenses for FY 2017-18 (Rs. Crore)

Sl. No	Particulars	Original Submission	Revised Submission
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Sl. No	Particulars	Original Submission	Revised Submission
1	Employee Expenses	209.66	209.66
2	A&G Expenses	9.01	9.01
3	R&M Expenses	13.45	13.45
4	<b>Gross O&amp;M Expenses</b>	<b>232.13</b>	<b>232.13</b>
5	Efficiency Factor	-	-
6	Less: Efficiency Improvement	-	-
7	<b>Net O&amp;M Expenses</b>	<b>232.13</b>	<b>232.13</b>

1.10 NDMC has submitted that they are exempted from paying the Income Tax, therefore claim for such tax liabilities has not been proposed in the Petition.

1.11 The ARR claimed during FY 2017-18 is tabulated below:

**Table 6: ARR for FY 2017-18 as submitted by NDMC (Rs. Crore)**

Sl. No	Description	Original Submission	Revised Submission
1	Cost of Power purchase, including T&D Losses	797.73	766.24
2	Inter-state Transmission charges	27.15	27.15
3	Intra-state Transmission charges (Including SLDC charges)	69.47	69.47
	Rebate on Timely payments	-18.39	-18.39
4	Net Operation & Maintenance (O&M)	232.13	232.13
5	Depreciation	33.76	33.28
6	Administrative Dept. & Civil Eng. Dept.	45.37	45.37
7	RoCE	57.09	55.26
8	Income Tax	-	-
9	Less: Non-Tariff	3.89	3.89
10	<b>Aggregate Revenue Requirement</b>	<b>1240.43</b>	<b>1206.63</b>

1.12 The Revenue Surplus/(Gap) for FY 2017-18 is as follows:

**Table 7: Revenue (Gap) for FY 2017-18 (Rs. Crore)**

Sl. No	Particulars	Original Submission	Revised Submission
1	ARR	1240.43	1206.63
2	Revenue Available Towards ARR	1116.03	1074.97
3	<b>Revenue(Gap)/Surplus</b>	<b>-124.40</b>	<b>-131.65</b>

## C. Aggregate Revenue Requirement for FY 2019-20

**Table 8: Category-wise Energy Sales for FY 2019-20 (MU)**

Consumer Category	Original Submission		Revised Submission	
	2017-18	FY 2019-20 Projections	2017-18	FY 2019-20 Projections
Domestic	250.09	250.09	250.16	250.16
Non Domestic	969.13	969.13	927.98	927.98
Industrial	0.04	0.04	0.05	0.05
Public Lighting	7.80	7.80	7.80	7.80
DMRC supply Voltage wise	53.18	53.18	53.18	53.18
Temporary Supply	14.44	14.44	14.40	14.40
<b>Total</b>	<b>1294.37</b>	<b>1294.37</b>	<b>1253.17</b>	<b>1253.17</b>

1.13 The AT&C Loss, Distribution Loss & Collection Efficiency for FY 2019-20 are as follows:

**Table 9: AT&C Loss, Distribution Loss & Collection Efficiency for FY 2019-20**

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

1.14 The Energy Requirement for FY 2019-20 is as follows:

**Table 10: Energy Requirement Projections for FY 2019-20**

Sl. No.	Particulars	Original Submission	Revised Submission
	Energy Requirement		
1	Energy Sales (MU)	1294.37	1253.17
2	Distribution Loss (%)	10.00%	10.00%
3	Distribution Loss (MU)	143.82	139.24
4	Energy Required at Distribution Periphery (MU)	1438.19	1392.42

1.15 The Energy Balance for FY 2019-20 is as follows:

**Table 11: Energy Balance Projections for FY 2019-20 (in MU)**

Sl. No.	Particulars	Original Submission	Revised Submission
A	Energy Requirement		
1	Energy Sales	1294.37	1235.17
2	Distribution Loss (%)	10.00%	10.00%
3	Distribution	143.82	139.24
4	Energy Required at Distribution Periphery	1438.19	1392.42

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Sl. No.	Particulars	Original Submission	Revised Submission
B	Energy Availability		
1a	Power Purchase from CGS outside the State	413.91	413.91
1b	Interstate transmission Losses		6.83
1	Net Power Purchase from Central stations		407.08
2	Power Purchase from within the State	785.94	785.94
3	Renewable Energy Procurement for Non-Solar RPO (*DMSWSL & EDWPCL)	179.87	4.87*
4	Renewable Energy Procurement for Solar RPO	4.71	
5	Purchase/(Sale) from Short Term and Bilateral Sources (**incl ST Renewable)	69.38	206.31**
6	Gross Power Purchase Quantum	1453.80	1453.80
7	DTL Transmission losses	15.62	11.78
8	<b>Energy Available</b>	<b>1438.19</b>	<b>1392.42</b>

1.16 The O&M Expenses projected for FY 2019-20 is as follows:

**Table 12: O&M Expenses Projected for FY 2019-20 (Rs. Crore)**

Sl. No.	Particulars	Original Submission	Revised Submission
1	Employee Expenses	233.84	233.84
2	A&G	10.05	10.05
3	R&M	15.00	15.00
4	<b>O&amp;M Expenses</b>	<b>258.90</b>	<b>258.90</b>

1.17 The Non Tariff Income for FY 2019-20 is as follows:

**Table 13: Projected Non-Tariff Income for FY 2019-20 (Rs. Crore)**

Non-Tariff Income	Original Submission	Revised Submission
<b>Total</b>	<b>2.93</b>	<b>2.93</b>

1.18 The projected ARR & Revenue Gap for FY 2019-20 is as follows:

**Table 14: Projected ARR & Revenue Gap for FY 2019-20 (Rs. Crore)**

Sl. No.	Particulars	Original Submission	Revised Submission
1	Cost of power purchase, including T&D Losses	738.25	725.84
2	Inter-State Transmission charges	25.61	25.60
3	Intra-state Transmission charges including SLDC charges	50.80	50.78
	Rebate on Timely Payments	-16.74	-16.49
4	Net Operation & Maintenance (O&M)	258.90	258.90
5	Depreciation	39.03	38.10
6	Administrative Dept. & Civil Engg. Dept	45.37	45.37
7	RoCE	65.75	62.77
8	Income Tax	-	
9	<b>Aggregate Revenue Requirement</b>	<b>1206.97</b>	<b>1190.88</b>

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10	Less: Non-Tariff Income	2.93	2.93
11	Aggregate Revenue Requirement (9-10)	1204.04	1187.95
12	Revenue at Existing Tariff	1145.02	1117.01
13	Revenue (Gap)/Surplus for FY 2019-20 (11-12)	(59.02)	(70.94)
14	Revenue (Gap)/Surplus for FY 2017-18	(124.40)	(131.65)
15	<b>Total Revenue Gap to be recovered from Tariff in 2019-20</b>	<b>(183.43)</b>	<b>(202.59)</b>

1.19 The Tariff proposal for FY 2019-20 is as follows:

**Table 15a: Revenue and ABR for Existing Vs. Proposed Tariff for FY 2019-20  
(Original Submission)**

Sl. 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
		<b>MU</b>	<b>Rs. Crore</b>	<b>Rs./kWh</b>	<b>%</b>	<b>Rs. Crore</b>	<b>Rs./kWh</b>
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	Mixed Load	525.96	693.82	13.19	16.50%	808.30	15.37
4	Small Industrial Power	0.04	0.04	11.10	16.50%	0.05	12.94
5	Public Lighting	7.80	6.09	7.80	16.50%	7.09	9.09
6	DMRC	53.18	33.64	6.33	16.50%	39.19	7.37
	<b>Total</b>	1294.37	1145.02	8.85		1329.69	10.27

**Table 15b: Revenue and ABR for Existing Vs. Proposed Tariff for FY 2019-20  
(Revised Submission)**

Sl. 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
		<b>MU</b>	<b>Rs. Crore</b>	<b>Rs./kWh</b>	<b>%</b>	<b>Rs. Crore</b>	<b>Rs./kWh</b>
1	Domestic	250.16	155.81	6.23	18.13%	184.06	7.36
2	Non-Domestic LT	251.54	247.43	9.84	18.13%	292.29	11.62
3	Mixed Load	676.44	661.21	9.77	18.13%	781.09	11.55
4	Small Industrial Power	0.05	0.05	9.75	18.13%	0.06	11.52
5	Public Lighting	7.80	6.09	7.80	18.13%	7.19	9.22
6		14.40	12.79	8.89	18.13%	15.11	10.50
7	DMRC	53.18	33.64	6.33	18.13%	39.74	7.47
	<b>Total</b>	1253.17	1117.01	8.91	18.13%	1319.53	10.53