

**Administration of
Dadra & Nagar Haveli, UT
Electricity Department (Transmission)
Silvassa.**

No. DNH/ELE/Trans/ 2016/19/266

Dtd. 1/12/2016

To,

The Secretary

Joint Electricity Regulatory Commission
(for the state of Goa and Union Territories)
'VanijyaNikunj', 2nd Floor
UdyogVihar, Phase V
Gurgaon, (122016) Haryana...
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Sub: Approval of Annual Revenue Requirement (ARR) Petition and Tariff Proposal of Electricity Department (Transmission Division) UT of Dadra and Nagar Haveli for FY 2017-18 under section 61, 62 and 64 of The Electricity Act 2003

Respected Ma'am,

With reference to the above cited subject please find enclosed herewith the Annual Revenue Requirement (ARR) Petition and Tariff Proposal of Electricity Department (Transmission Division) UT of Dadra and Nagar Haveli for FY 2017-18 under section 61, 62 and 64 of The Electricity Act 2003.

The fees for the said petition for an amount of Rs. 20,00,000/- is being enclosed along with this letter (DD No.).

The Electricity Department (Transmission Division) UT of Dadra and Nagar Haveli most respectfully submits the above petition to the Hon'ble Joint Electricity Regulatory Commission.

Yours faithfully,


(H.M.Patel)

Executive Engineer (Trans),
Electricity Department,
Transmission Division,
Silvassa

Encl: As above

Aggregate Revenue Requirement and
Tariff Proposal for FY 2017-18

Main Text & Formats (Volume I)

Submitted to:

Joint Electricity Regulatory Commission
Gurgaon

By

Electricity Department, Transmission Division,
UT of Dadra and Nagar Haveli

December 2016

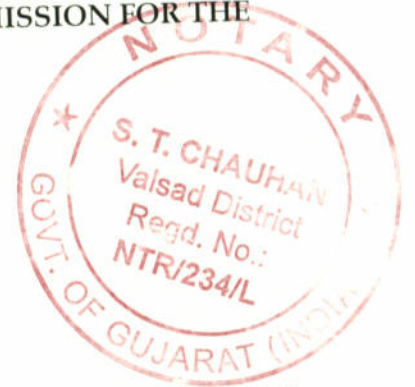
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AFFIDAVIT

BEFORE HON'BLE JOINT ELECTRICITY REGULATORY COMMISSION FOR THE
STATE OF GOA & UNION TERRITORIES

File No. _____

Case No. _____



IN THE MATTER OF:

Filing of Aggregate Revenue Requirement (ARR) and Tariff Petition for the FY 2017-18 for Electricity Department, (Transmission) Division, Union Territory of Dadra and Nagar Haveli under Section 61, 62 and 64 of the Electricity Act, 2003

AND

IN THE MATTER OF

Electricity Department, Transmission Division, Union Territory of Dadra and Nagar Haveli (hereinafter referred to as "ED-DNH" or "The Petitioner" or "The Department")

..... Petitioner

I, Shri Harshadbhai Mohanbhai Patel, son of Shri Mohanbhai Premabhai Patel (aged 53 years), (occupation) Government Service residing at Samarvarni, Silvassa the deponent named above do hereby solemnly affirm and state on oath as under:

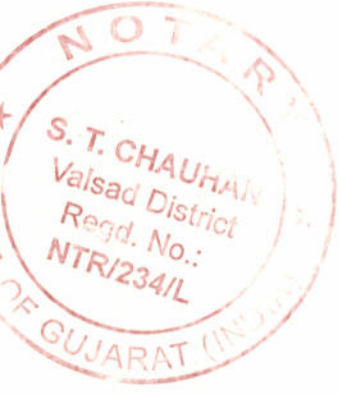
1. That the deponent is the Executive Engineer (Transmission), Electricity Department, Dadra and Nagar Haveli who is authorized as per the order of the Administration of Dadra & Nagar Haveli and is acquainted with the facts deposed as below.
2. I, the deponent name above do hereby verify that the contents of the accompanying petition are based on the records of the Electricity Department, Transmission Division, Union Territory of Dadra and Nagar Haveli maintained in the ordinary course of business and believed them to be true and I believe that no part of it is false and no material facts have been concealed therefrom.

Details of enclosures:

Proposal for Aggregate Revenue Requirement ("ARR") for the FY 2017-18 for determination of tariff.

As per The Joint Electricity Regulatory Commission for Goa & Union Territories (Conduct of Business) (Fourth Amendment) Regulations, 2015

Petition fee - Rs. 20,00,000/- vide cheque no. _____ dated _____



For the Electricity Department, Transmission Division, Union Territory of Dadra and Nagar Haveli



[Signature] Petitioner
कार्यपालक अभियंता (प्रसारण)
Executive Engineer (Trans.)
Place: Dadra & Nagar Haveli, Silvassa
विद्युत विभाग
Electricity Department
दादरा एवं नगर हवेली
Dadra & Nagar Haveli
सिलवासा/Silvassa

I, _____, Advocate, _____, do hereby declare that the person making this affidavit is known to me through the perusal of records and I am satisfied that he is the same person alleging to be deponent himself.

Advocate

Solemnly affirmed before me on this _____ day of December 2016 at _____ p.m/a.m by the deponent who has been identified by the aforesaid Advocate. I have satisfied myself by examining the deponent that he understood the contents of the affidavit which has been read over and explained to him. He has also been explained about section 193 of Indian Penal Code that whoever intentionally gives false evidence in any of the proceedings of the Commission or fabricates evidence for purpose of being used in any of the proceedings shall be liable for punishment as per law.

Solemnly affirmed before me
by: H. N. Patel
who has been identified by Shri _____
whom I know Personally

Book No.: 2
Page No.: 10
Serial No.: 2.1.1
Date: 1-12-16
Certificate of Practice
Valid till: 25/7/2017

[Signature]
S. T. Chauhan
Notary Valsad District,
Yogi Smruti, Mullawadi,
Valsad-396 001.
Gujarat - INDIA.

**BEFORE THE JOINT ELECTRICITY REGULATORY COMMISSION
FOR THE STATE OF GOA & UNION TERRITORIES**

Filing No.....

Case No.....

IN THE MATTER OF: Filing of Aggregate Revenue Requirement (ARR) for the
FY 17-18 for Electricity Department, Transmission
Division, Union Territory of Dadra and Nagar Haveli
under Section 61, 62 and 64 of the Electricity Act, 2003

AND

IN THE MATTER OF Electricity Department, Transmission Division, UT of
Dadra and Nagar Haveli
(hereinafter referred to as "ED-DNH" or "The Petitioner"
or "The Department")
..... Petitioner

The Applicant respectfully submits as under: -

1. Electricity Department, Transmission Division is a statutory body engaged in the transmission of electricity in the Union Territory of Dadra & Nagar Haveli. Consequent to the enactment of the Electricity Act, 2003 (hereinafter referred to as the "Act"), the process of approval of proposed tariffs is vested with the State Commission. Based on the provisions of Section 61, 62 and 64 of the Act, Electricity Department, Transmission Division is filing the current Petition, in order to meet its financial requirements.
2. This is a Petition indicating the Aggregate Revenue Requirement (ARR) of Electricity Department, Transmission Division and Tariff Proposal of Electricity Department, Transmission Division for the FY 17-18 (Financial Year 2017-18).

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ACRONYM	DEFINITION
A&G Expenses	Administrative & General Expenses
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CPP	Captive Power Plant
Ckt. Km / ckm	Circuit Kilometres
Discom	Distribution Company
EA 2003	Electricity Act 2003
G,T and D	Generation, Transmission and Distribution
IPPs	Independent Power Producers
IDC	Interest During Construction
MU	Million Units
MYT	Multi-Year Tariff
ND	Normal Development
PE	Power Evacuation
O&M	Operations and Maintenance
R&M Expenses	Repair & Maintenance Expenses
RoE	Return on equity
T&D	Transmission and Distribution
GFA	Gross Fixed Assets
R&M	Renovation & Modernisation
S/S	Sub Station
O&M	Operation & Maintenance
PGCIL	Power Grid Corporation of India Limited

Notes:

In this Petition:

All currency figures used in this Petition, unless specifically stated otherwise, are in Rs Crore and Million Units.

This petition contains the Main Text of the Petition, Formats and Annexure (Volume II)

Chapter 1: Introduction

1 Electricity Department, Transmission Division Profile

The power sector has grown significantly since 1950s, in terms of capacity of its generation and transmission & distribution (T&D) assets. Presently the sector and its business arrangements are in transition from a monopolistic government control system to market driven competition. Electricity Act 2003 (EA 2003) provides for consolidation of laws relating to generation, transmission, distribution, trading & use of electricity and for taking measures to restructuring the power sector, promoting competition, protecting customer interests and ensuring viability of the sector. Amongst other steps like open access etc, EA 2003 mandated unbundling of State Electricity Boards (SEB) into generation, transmission and distribution businesses.

The share of power generated by Central Sector Stations is transmitted to load centers in the UT of Dadra and Nagar Haveli through an extensive network of 400KV, 220KV, and 132KV, transmission lines and substations. The major functions of ED-DNH are:

1. Ensure reliable supply energy to DNHPDCL which in turn supplies power to the end consumers across the state.
2. Development of transmission network to meet the growing needs of the DNHPDCL.
3. Provide short term open access depending upon the margins in the existing facilities.

2 Tariffs Regulations

ED-DNH's tariffs are governed by JERC (Terms and Conditions for Determination of Tariff) Regulations, 2009. The regulations provide a framework for calculating tariffs on a cost-plus basis and allow the licensee to recover operational expenses including depreciation, interest on working capital and debt, and return on equity amongst others.

3 Contents of this Petition

The present Tariff Petition is being submitted in compliance with the provisions of JERC (Terms and Conditions for Determination of Tariff) Regulations, 2009. This Petition covers the basis, assumptions and projections of individual elements constituting the determination of Aggregate Revenue Requirement of the ED-DNH for the FY 2017-18.

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Chapter 2: About the Electricity Department, Transmission Division

1 Existing Transmission System of Electricity Department, Transmission Division

Key assets of ED-DNH include the transmission lines and sub-stations. The total length of the transmission assets as on March 31, 2015 was 36.88 DC Kilo meters (DC Kms). The EHV lines in DC km existing at end of FY 2015-16 and their growth are shown in the table below:

Table 1: Status of Transmission Assets - DC kms

ASSETS	UNITS	FY 2015-16
EHT		
220 KV lines	DC kms	36.88

The details of existing substations of the ED-DNH are as given below:

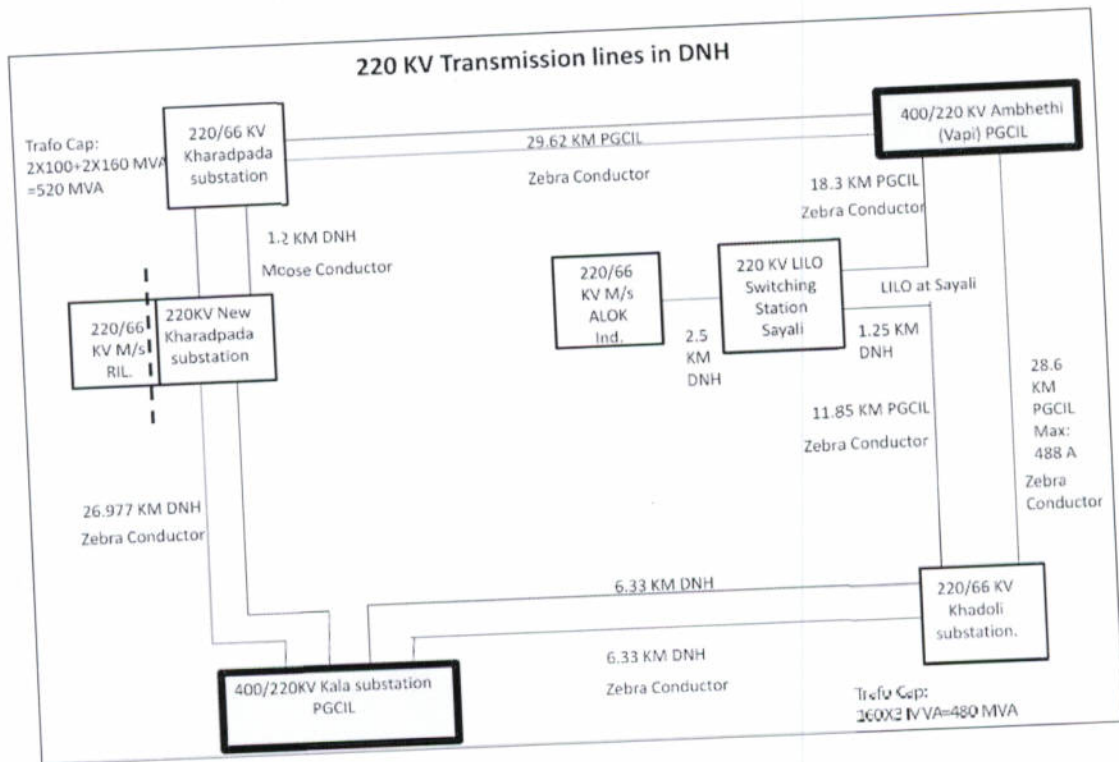
Table 2: Details of existing Substations

SR. NO.	SUB-STATION	CAPACITY	TOTAL
1	400 KV Ambheti-Vapi Sub-Station (CTU-PowerGrid)	3 x 315 MVA	945 MVA
2	400 KV Kala Sub-Station (CTU-Power Grid)	2 x 315 MVA	630 MVA
3	220 KV Kharadpada Sub-Station	2 x 100 + 2 x 160 MVA	520 MVA
4	220 KV Khadoli Sub-Station	3 x 160 MVA	480 MVA
5	220KV Switching Stations at Sayli and New Kharadpada	02 Nos	
	<u>TOTAL Capacity (220KV Level)</u>		1000 MVA

The present the transmission system of ED-DNH consists of 36.88 DC km of 220 kV double circuit (D/C) lines.

At present, the UT of Dadra & Nagar Haveli gets power from 400/220 kV PGCIL Vapi and 400/220 kV Kala substation of PGCIL.

Figure 1: 220kV Transmission Lines in DNH



2 Loading Projections ED-DNH during FY 2017-18

The objective of this section is to project the availability of power to transmit through ED-DNH transmission system. Based on the energy availability and transmission through the ED-DNH system to DNHPDCL, transmission charges are to be arrived at.

2.1 Power & Energy availability from Central Sector Generation

Present and future power availability from Central sector against allocated quota during the FY 2017-18 are given below-

Table 3: CGS - Central Generation Capacity during FY 2017-18

Name of the plant	Weighted average Infirm allocation	Weighted Average Firm allocation	Weighted average total allocation
KSTPP	53.95	-	53.95
KSTPS -3	20.76	2.20	22.96
VSTPP-I	39.22	5.00	44.22
VSTPP-II	29.64	4.00	33.64
VSTPP- III	29.64	6.00	35.64
VSTPP- IV	41.51	5.55	47.06
KAWAS	56.24	25.00	81.24
GGPP	56.75	2.00	58.75
Sipat - I	82.19	9.00	91.19
Sipat - II	28.17	4.00	32.17
KHSTPP - II	3.50	0.00	3.50
Mauda I (MSTPS)	41.51	5.55	47.06
VSTPP-V	20.76	5.55	26.31
NPCIL - KAPS	14.90	2.00	16.90
NPCIL - TAPP 3&4	36.52	7.00	43.52
Total	555.25	82.85	638.10
NSPCL Bhilai		100.00	100.00
RGPPL		38.00	38.00
EMCO Energy Ltd. (GMR Group)		200.00	200.00

On the basis of above power availability , projection of energy availability from central sector plants during the FY 2017-18 has been worked out and given below:-

Table 4: CGS - Projected Capacity and Energy Availability

S. No.	Particulars	2017-18
1	Total Capacity in MW	976.10
2	Energy Availability in MU	6767.96

Chapter 3: Annual Revenue Requirement for FY 2017-18

Electricity Department, Transmission Division is submitting its ARR and Tariff petition for the determination of tariff for FY 17-18 broadly on the basis of the principles outlined in Tariff Regulations notified by JERC. Electricity Department, Transmission Division has considered the past trends and taken cognizance of other internal and external developments to estimate the likely performance for FY 17-18.

The following sections explain in detail the basis and forecasts of the following elements for FY 17-18:

- a. Determination of Aggregate Revenue Requirement (ARR) by forecasting the following costs, other income & returns:
 - i. Employee Cost
 - ii. Repairs & Maintenance Cost
 - iii. Admin & General Cost
 - iv. Capital Investment Plan
 - v. Interest Cost
 - vi. Interest on Working Capital
 - vii. Depreciation
 - viii. Return on Equity
 - ix. Non-Tariff Income

- b. Tariff proposal for FY 17-18 to meet the Aggregate Revenue Requirement.

1 Operation & Maintenance Costs

Operation and Maintenance expenses comprise of the following heads:

- **Employees Expenses** which includes the salaries, dearness allowances, dearness pay, other allowances and retirement benefits paid to the staff;

- **Repair and Maintenance (R&M) Expenses**, which include all expenditure incurred on the maintenance and upkeep of transmission and distribution assets; and
- **Administrative and General Expenses**, which include all expenditure incurred in operating a business such as telephone charges, regulatory and consultancy fees such as energy auditing and chartered accountant fees, conveyance and travel expenses, water charges etc.

The total O&M expense for FY 15-16 was Rs. 3.47 Crores. The methodology adopted by Electricity Department, Transmission Division for projecting the values of each component of the O&M expense for FY 17-18 has been explained in following section.

1.1 Employee Expense

The Employee expense estimated by the Petitioner comprise of all costs related to employees like basic salary, dearness allowances, medical cost, leave travel allowances, honorarium, etc. But the Petitioner does not maintain cost related to leave salary contribution and pension of the employee in the employee cost. Therefore, the Petitioner will claim these expenses relating to the employee cost at an appropriate time when the respective cost items become payable.

Electricity Department, Transmission Division has considered the actual six monthly employee expenses for FY 16-17 for forecasting the employee expenses for FY 16-17 and the FY 17-18.

Based on the various expense head related to employee booked during six months of FY 16-17, Electricity Department, Transmission Division has estimated the total employee cost for full year of FY 16-17. Employee expenses for FY 17-18 is estimated based on the variation in the rate of WPI Index per annum published by the Office of Economic Adviser, Government of India.

For projecting the employee cost for FY 17-18, the Petitioner has considered an 5.11% escalation over the estimated employee cost for FY 16-17. The employee cost for FY 17-18 is summarized in table below:

Table 5: Projected Employee Expense for FY 17-18

(Rs. Crore)

Particular	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
Employee Expenses	1.28	1.34	1.41

Electricity Department, Transmission Division would like to pray to the Hon'ble Commission that salaries/employee cost increase should be considered as uncontrollable factor specially factors like DA/Basic hike through Government. Therefore, Electricity Department, Transmission Division requests the Hon'ble Commission to approve the employee costs as projected in the foregoing table by the Petitioner.

1.2 Repairs & Maintenance Expense

Repairs and maintenance expense comprise of expenses incurred by the Petitioner with regard to maintenance and upkeep of the transmission and distribution system. Adequate R&M activities help in reduction of transmission and distribution losses and breakdowns in the system.

The actual R&M expense for FY 15-16 for Electricity Department, Transmission Division was Rs. 2.09 Crore. The revised estimate of R&M expense for FY 16-17 has been estimated at Rs. 3.63 Crore.

Based on WPI index and CPI index, the R&M expense for FY17-18 has been estimated at Rs. 4.58 Crore.

The R&M cost for FY 17-18 is summarized in the Table below:

Table 6: Projected Repairs & Maintenance Expense for FY 17-18

(Rs. Crore)

Particular	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
R&M Expenses	2.09	3.63	4.58

Electricity Department, Transmission Division requests the Commission to approve the R&M expense without any disallowances as the same is necessary for proper maintenance and strengthening of the system and quality of supply in the region in order to ensure consumer satisfaction.

1.3 Administration & General Expense

Administrative and General (A&G) expense comprise of various sub-heads including the following:

- Telephone, postage & telegrams charges;
- Travel and conveyance expenses;
- Consultancy and regulatory fees; and
- Consumer indexing fee

The actual A&G expense for FY 15-16 was Rs. 0.103 Crore. Further, Electricity Department, Transmission Division has estimated the A&G expense of Rs. 0.109 Crore for FY 16-17.

For FY 17-18 the A&G expenses has been projected at Rs. 0.114 Crore in consideration of the above expenses.

The A&G cost for FY 17-18 is summarized in the Table below:

Table 7: Projected A&G Expenses for FY 17-18

(Rs. Crore)

Particular	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
A&G Expenses	0.103	0.109	0.114

Electricity Department, Transmission Division, therefore, requests the Hon'ble Commission to approve the A&G expenses projected for the FY 2017-18.

1.4 Total Operation and Maintenance Expense

Based on the employee, R&M and A&G expenses projected above, the total O&M expenditure for FY 17-18 is summarized in table below. The Hon'ble Commission is requested to approve the total O&M expense as projected by Electricity Department, Transmission Division.

Table 8: Total O&M Expense for FY 17-18

(Rs. Crore)

Particular	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
Employee Expenses	1.28	1.34	1.41
R&M Expenses	2.09	3.63	4.58
A&G Expenses	0.103	0.109	0.114
Total O&M Expenses	3.47	5.08	6.10

2 Capital Expenditure Plan

ED-DNH has undertaken the capital expenditure for the following purpose:

- I. Laying of new transmission lines
- II. Strengthening of the existing transmission network to cope up with the growing demand and connectivity to the new areas under development.

Further, considering the increasing demand from HT & LT consumers, ED-DNH would be required to undertake significant capital expenditure for system augmentation and strengthening. System augmentation would not only help ED-DNH in handling increased load but would also ensure better quality of supply and network reliability to the consumers.

ED-DNH each year drafts an Annual Plan for the capital investment for new schemes and continuing schemes which it plans to incur in the ensuing year. The details of the same has been given below:

A. Ongoing Schemes

The ongoing schemes have been given in the table below:

Table 9: Ongoing Schemes

Sr.No.	Name of Scheme	Total Estimated amount (Lakh)	Proposed Expenditure in Lakh.		
			2015-16	2016-17	2017-18
1	Interconnectivity 220KV Transmission line from 400/220 KV Kala substation to 220/66KV Khadoli substation.	3296.00	1469.00	0.00	0.00
2	Interconnectivity 220KV Transmission line from proposed 400/220 KV Kala substation to 220/66KV Kharadpada substation.	4974.00	1922.00	1104.00	0.00
3	Augmentation of 220/66kV Khadoli Sub-station from 2x160 MVA to 3x160 MVA capacities.	1872.00	100.00	624.00	0.00
4	Establishment of 220/66 KV, 2x160 MVA Sub-Station at Waghchipa with associated transmission line.	6745.00	1055.00	500	2000.00
	Total	16887.00	4546.00	2228.00	2000.00

B. New Schemes

The new schemes have been given in the table below:

Table 10: New Schemes

Sr.No.	Name of Scheme	Total Estimated amount (Lakh)	Proposed Expenditure in Lakh.	
			2017-18	
1	Establishment of 220/66 KV, 2x100 MVA Sub-Station at Sayali with associated 66 KV transmission line.	4497.00	1325.00	
Total		4497.00	1325.00	

The total capital expenditure estimated for the FY 2016-17 is Rs. 22.28 Crore and the total capital expenditure proposed for the FY 2017-18 is Rs. 33.25 Crore. The ED-DNH incurred Rs. 45.46 Crore towards capital expenditure during the FY 2015-16 out of which Rs. 51.68 Crore was capitalized during the year towards the scheme "Interconnectivity 220KV Transmission line from 400/220 KV Kala substation to 220/66KV Khadoli substation" and "Augmentation of 220/66kV Khadoli Sub-station from 2x160 MVA to 3x160 MVA capacities". Further, it is proposed that during the FY 2016-17 the scheme, "Interconnectivity 220KV Transmission line from proposed 400/220 KV Kala substation to 220/66KV Kharadpada substation" amounting to Rs. 49.74 Crores shall be capitalised. A summary of the capital expenditure and capitalization for FY 15-16, FY 2016-17 and FY 2017-18 is summarized in Table below:

Table 11: Capital Expenditure & Capitalization for FY 17-18

Capital Expenditure & Capitalization	(Rs. Crore)		
	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
Capital Expenditure	45.46	22.28	33.25
Asset Capitalization	51.68	49.74	6.34

3 Gross Fixed Assets

The Opening Gross Fixed Assets (GFA) for FY 15-16 was Rs. 140.26 Crore and the asset addition during the FY 2015-16 was Rs. 51.68 Crore. Thus the closing GFA of FY 2015-16 was Rs. 191.94 Crore. ED-DNH has further proposed an addition of Rs. 49.74 Crore during FY 16-17 and Rs. 6.34 during FY 2017-18.

A summary of the Opening and Closing GFA and capitalization has been summarized in table below:

Table 12: Opening and Closing GFA in FY 17-18

(Rs. Crore)

Particulars	Opening GFA	Additions during the Year	Closing GFA
FY 2015-16 (Actual)	140.26	51.68	191.94
FY 2016-17 (Revised Estimate)	191.94	49.74	241.68
FY 2017-18 (Projected)	241.68	6.34	248.02

4 Depreciation

Depreciation is charged on the basis of straight-line method, on the Gross Fixed Assets in use at the beginning of the year and addition in assets during the financial year. The depreciation is based on the original cost of the Gross Fixed Assets.

Depreciation for the for FY 17-18 is determined by applying category-wise assets depreciation rates notified in the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014 on the opening balance of Gross Fixed assets and average of the addition during the year projected for FY 17-18. The Table below summarizes the asset-wise depreciation considered computed by ED-DNH:

Table 13: Depreciation

(Rs. Crore)

Particulars	FY 15-16	FY 16-17	FY 17-18
-------------	----------	----------	----------

Rs. Crore	Actual	Revised Estimate	Projected
Opening GFA	140.26	191.94	241.68
Additions	51.68	49.74	6.34
Closing GFA	191.94	241.68	248.02
Average GFA	166.10	216.81	244.85
Depreciation Amount	8.45	11.13	12.61
Average Depreciation Rate	4.40%	4.60%	5.08%

5 Interest & Financial Costs

5.1 Interest on Long-term / Capital Loans

Assets capitalized during FY 17-18 have been considered based on normative debt-equity ratio of 70:30 as per the JERC (Terms and Conditions for Determination of Tariff) Regulations, 2009. As per the regulations, "For the purpose of determination of tariff, debt-equity ratio in case of existing, ongoing as well as new projects commencing after the date of notification of these Regulations shall be 70:30."

Hence, the ED-DNH has considered normative debt on the assets created after FY 2013-14. The Interest rate of 14.45% has been considered for computation of interest cost for long-term loans which is similar to the prevailing SBI Prime Lending Rate. Details of the loan amounts and interest cost computed for FY 17-18 is summarized in Table below:

Table 14: Total Interest on Long-term Loans

Interest on Long-term Loans	(Rs. Crore)		
	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
Opening Loan	8.24	35.97	59.66
Addition in Loan (70% of Asset Capitalization)	36.18	34.82	4.44
Repayment of Loan (equal to depreciation)	8.45	11.13	12.61

Interest on Long-term Loans	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
Closing Loan Amount	35.97	59.66	51.49
Average Loan	22.10	47.81	55.57
<i>Interest Rate on Loan</i>	14.45%	14.45%	14.45%
Total Interest Cost on Long-term Loans	3.19	6.91	8.03

Therefore, ED-DNH requests the Hon'ble Commission to approve the interest cost on long-term loans as projected above.

5.2 Interest on Working Capital Borrowings

ED-DNH has computed the Interest on Working Capital for FY 17-18 based on normative basis as per the JERC (Terms and Conditions for Determination of Tariff) Regulations, 2009.

The working capital requirement for FY 16-17 has been computed considering the following parameters:

- Receivables equivalent to two months of fixed cost;
- Maintenance spares @ 15% of operation and maintenance expenses; and
- Operation and maintenance expenses for one month.

A rate of interest of 14.45% has been considered for FY 17-18 on the working capital requirement, being the SBI Prime Lending Rate.

The normative interest on working capital for FY 17-18 considering the above methodology is summarized in the Table below:

Table 15: Interest on Working Capital for FY 17-18

Interest on Working Capital	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected

(Rs. Crore)

Interest on Working Capital	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
Receivables equivalent to two months of fixed cost	2.96	4.74	5.59
Maintenance spares @15% of operation and maintenance expenses	0.52	0.76	0.91
Operation and maintenance expenses for one month	0.29	0.42	0.51
Total Working Capital requirement	3.77	5.93	7.01
Rate of Interest on Working Capital	14.45%	14.45%	14.45%
Total Interest on Working Capital	0.55	0.86	1.01

Therefore, ED-DNH requests the Hon'ble Commission to approve the interest cost on working capital as projected above.

6 Return on Equity

As per the JERC (Terms and Conditions for Determination of Tariff) Regulations, 2009, ED-DNH is entitled for a Return on Equity (RoE). However, the Rate of return has not been specified in the Regulations issued by JERC.

As per the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014, Generation and Transmission utilities are entitled for a pre-tax Return on Equity of 15.50% with an additional return of 0.50% for projects completing before a specified timeline.

Assets capitalized during FY 17-18 have been considered based on normative debt-equity ratio of 70:30 as per the JERC (Terms and Conditions for Determination of Tariff) Regulations, 2009. As per the regulations, "For the purpose of determination of tariff, debt-equity ratio in case of existing, ongoing as well as new projects commencing after the date of notification of these Regulations shall be 70:30."

Hence, the ED-DNH has considered normative equity on the assets created after FY 2013-14. ED-DNH has claimed RoE of 15.50% for FY 17-18 in this Petition.

The details of the same have been given in the Table below:

Table 16: Return on Equity for FY 17-18

(Rs. Crore)

Return	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
Opening Equity	6.18	21.69	36.61
Addition in Equity	15.50	14.92	1.90
Closing Equity Amount	21.69	36.61	38.51
Average Equity Amount	13.94	29.15	37.56
<i>Rate of Return on Equity</i>	15.50%	15.50%	15.50%
Return on Equity	2.16	4.52	5.82

7 Non-Tariff & Other Income

The ED-DNH is doing the O&M work of the 220 kV bays of PGCIL. The revenue earned by the ED-DNH for doing the O&M work has been included in the non tariff income.

The actual non tariff income earned by the ED-DNH for the FY 2015-16 was Rs. 0.04 Crore. For estimating the non-tariff income for FY 17-18, an increase of 5% p.a. has been considered over the estimated non-tariff income of FY 16-17 (revised estimate).

Details of the year wise non-tariff income is provided in the Table below:

Table 17: Non-tariff Income for FY 17-18

(Rs. Crore)

Particulars	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
Non-tariff Income	0.04	0.05	0.05

8 Aggregate Revenue Requirement

The following Table summarizes ED-DNH's Aggregate Revenue Requirement for FY 17-18.

Aggregate Revenue Requirement for FY 17-18 is estimated to be Rs 33.52 Crore.

Table 18: Aggregate Revenue Requirement for FY 17-18

(Rs. Crore)

Annual Revenue Requirement	FY 15-16	FY 16-17	FY 17-18
	Actual	Revised Estimate	Projected
O&M Expense	3.47	5.08	6.10
Depreciation	8.45	11.13	12.61
Interest Cost on Long-term Capital Loans	3.19	6.91	8.03
Interest on Working Capital Loans	0.55	0.86	1.01
Return on Equity	2.16	4.52	5.82
Gross Annual Revenue Requirement	17.82	28.49	33.57
Less:			
Non-Tariff Income	0.04	0.05	0.05
Net Annual Revenue Requirement	17.78	28.45	33.52

Aggregate Revenue Requirement (ARR) is the amount required by ED-DNH to discharge its functions efficiently. It also allows the utility to earn a reasonable amount of return. It consists of a number of cost elements as elaborated in the table below. The justification for each of these expenses has duly been elaborated in the relevant chapters of this report.

ED-DNH proposes to meet with the revenue requirements through the following modes of recoveries;

- Appropriate transmission cost to be recovered through Transmission Charges from Long Term Open Access consumers in terms of charges per unit or monthly fixed charges.
- Usage based charges for short term open access consumers.

Chapter 4: Tariff Determination

ED-DNH considers power tariff as a sensitive subject having substantial impact on social, economic and financial well being of the State as well as the viability and growth of power sector. The transmission tariff has been determined based upon the energy transmitted through the system, aggregate revenue requirement.

1 Determination of the transmission capacity of the system

The transmission system capacity is the contracted capacity made available to the beneficiary during the given period. The present capacity of Kharadpada substation is 509.60 MW and the present capacity of Khadoli substation is 470.40 MW. The contracted transmission capacity of the system is as under:

Table 19: Transmission Capacity of the Transmission system

Tariff Determination	FY 16-17	FY 17-18
Transmission Capacity (MW)	980	980

2 Tariff Determination

Based upon the projected capacity of the transmission capacity, the tariff in terms of Rs per MW per Day is determined as follows:

Table 20: Determination of Transmission Tariff (Rs. /MW/Month)

Tariff Determination	FY 16-17	FY 17-18
Aggregate revenue requirement (Rs. cr.)	28.45	33.52
Transmission Capacity (MW)	980	980
Energy Required at periphery	6466.60	6767.96
Long/Medium Term Open Access Transmission charges	24,188.07	28,504.01

Tariff Determination	FY 16-17	FY 17-18
(Rs./MW/Month)		
Short Term Open Access Transmission charges (Rs./MWh)	33.59	39.59

The tariff in terms of Rs. per unit has been computed by considering the energy estimated to be received by the DNHPDCL during the FY 2017-18 from various generating stations. The computation of the same has been given in the table below:

Table 21: Determination of Transmission Tariff (Rs./unit)

Tariff Determination	FY 16-17	FY 17-18
Aggregate revenue requirement (Rs. cr.)	28.45	33.52
Energy required at periphery (MUs)	6466.60	6767.96
Transmission charges (Rs./unit)	0.04	0.05

Chapter 5: Directives

The Hon'ble Commission vide Tariff Order dated 31st March, 2016 had issued a set of directives to be followed by DNHPDCL to comply with the JERC (Terms and Conditions of Determination of Tariff) Regulations, 2009.

In line with the directives, DNHPDCL has been taken several steps to comply with the directives. The purpose of this section is to appraise the Hon'ble Commission on progress made by DNHPDCL on this matter since the issuance of the aforesaid tariff order.

Directive 1: Submission of audited annual accounts along with true up of FY 13-14 & FY 14-15.

The Petitioner is directed to submit the Transmission True up petition along with annual audited accounts of FY 13-14 & FY 14-15 with the ARR Tariff Petition of FY 17-18.

Petitioner's Submission:

The ED-DNH would like to submit to the Hon'ble Commission that the accounts of the transmission business are being maintained separately and the accounts are audited by the Comptroller and Auditor General (CAG), Rajkot.

Directive 2: Functioning of SLDC.

The Petitioner has submitted that the SLDC is already operational and an Assistant Engineer of the DNHPDCL has been appointed as the nodal officer of the SLDC. The scheduling of power is being done on a day to day basis. However, as per the provisions of Grid Code Regulations 2010:

“(3) (a) Establishment of SLDC: The State Government of Goa and the Appropriate Governments in respect of Union Territories of Andaman & Nicobar Islands, Chandigarh, Dadra & Nagar Haveli, Daman & Diu, Lakshadweep and Puducherry shall establish a centre to be known as the State Load Despatch Centre (SLDC) in the State of Goa and in the Union Territories. The State Load Despatch Centre shall be operated by a Government company or any Authority or Corporation established or

constituted by or under any State Act, as may be notified by Appropriate Government. Until a Government company or any authority or corporation is notified by the Appropriate Government, **the State Transmission Utility shall operate the State Load Despatch Centre.**

b) Functions of SLDC: State Load Despatch Centre shall discharge the functions as stipulated under Sections 32 (2) and 33 of the Act.

(c) Manning of SLDC:

i) SLDC shall be manned by qualified and experienced Engineers who are well acquainted with State Transmission System and grid operation.

ii) Periodical Training shall be imparted to the personnel of the State Load Despatch Centre to update their skills in order to enable them to discharge their functions stipulated under Section 32 (2) & 33 of the Act".

In presence of provisions of Electricity Act 2003 and already laid down sector specific guidelines, the operations of SLDC should not be entrusted with the distribution company (DNHPDCL).

So, the Commission observes that the compliance of relevant directive, issued in Transmission Tariff Order FY 15-16 is still pending. Hence, the Commission has taken a serious view of the matter and again directs to the Petitioner to comply with following points:

- ✓ To establish an independent SLDC for D&NH.
- ✓ To segregate the accounts of SLDC business and transmission business.
- ✓ Filing separate ARR petitions for SLDC and transmission business compulsorily from FY 17-18 onwards.

The compliance status report of above directive should be submitted to Commission within next six month of issuance of this order.

Petitioner's Submission:

The ED-DNH would like to submit to the Hon'ble Commission that an independent SLDC has been established and an Assistant Engineer of the DNHPDCL has been appointed as the nodal officer of the SLDC. The scheduling of power is being done on a day to day basis.

Presently the accounts of the SLDC have not been segregated and the SLDC is operational under the DNHPDCL. Once the accounts of the SLDC are segregated the ARR and Tariff Petition of the SLDC shall be filed separately.

Directive 3: Submission of feasibility study of transmission ring main system.

The Petitioner is directed to submit a feasibility study report for installation of ring main system along with other reliability improvement provisions in order to increase transmission network reliability.

Petitioner's Submission:

The ED-DNH would like to submit to the Hon'ble Commission that the work of preparing feasibility study report for installation of ring main system along with other reliability improvement provisions in order to increase transmission network reliability has been given to PGCIL and the report shall be completed by March 2017.

Directive 4: Submission of O&M allocation methodology.

The Petitioner is directed to submit basis of O&M allocation between transmission & distribution function (if any). The submission of organization structure and designation hierarchy is also desired, in order to reconcile the O&M expense allocation.

Petitioner's Submission:

The organization structure and designation hierarchy of the ED-DNH is being enclosed as **Annexure I**.

Directive 5: D N & H Transmission Infrastructure data.

The Petitioner is directed to submit the number of transformers with ratings, transmission bays, transformation capacity (MVA) and transmission circuit-Km details with the ARR Tariff Petition of FY 17-18.

Petitioner's Submission:

Key assets of ED-DNH include the transmission lines and sub-stations. There are 29 numbers of total bays. The total length of the transmission lines as on March 31, 2016 was 36.88 DC Kilo meters (DC Kms). The transformation

capacity of the ED-DNH transmission system is 2X100 MVA and 5X160 MVA transformers totalling 1000 MVA.

Directive 6: D N & H Transmission Availability data.

The Petitioner is directed to submit the transmission line and system availability data of FY 14-15 and FY 15-16 with the ARR Tariff Petition of FY 17-18.

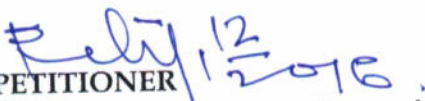
Petitioner's Submission:

The ED-DNH would like to submit that the availability of the transmission line and system of the ED-DNH (transmission) was more than 98% during FY 14-15 and FY 15-16.

Prayer

1. ED-DNH requests the Honorable Commission to:
 - Admit and approve the Aggregate Revenue Requirement of FY 17-18 as submitted herewith.
 - Make the proposed Transmission Tariffs applicable from April 1, 2017.
 - Condone any inadvertent omissions/ errors/ shortcomings and permit the Petitioner to add/ change/ modify/ alter this filing and make further submissions as may be required at a future date.
 - Submit necessary additional information required by the Commission during the processing of this petition.
 - And pass such other and further orders as are deemed fit and proper in the facts and circumstances of the case.

BY THE APPLICANT THROUGH


PETITIONER
Electricity Department, Transmission Division
UT of Dadra and Nagar Haveli

Silvassa

Dated: 1-12-2016.

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Capital Base and Return

(all figures in Crore)

Sr.No.	Category of Consumer	Energy Sale (MUs)		
		Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	5
1	Gross block at beginning of the year	140.26	191.94	241.68
2	Less accumulated depreciation	51.68	49.74	6.34
3	Net block at beginning of the year	88.58	142.20	235.34
4	Less accumulated consumer contribution	0.00	0.00	0.00
5	Net fixed assets at beginning of the year	88.58	142.20	235.34
6	Reasonable return @3% of NFA	2.66	4.27	7.06

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Original Cost of Fixed Assets

(Rs. Crores)

Sr.No.	Particulars Name of the Assets	Value of assets at the beginning of previous year	Addition during the FY 2015-16	Closing balance at the end of FY 2015-16	Addition during FY 2016-17	Closing balance at the end of FY 2016-17	Addition during FY 2017-18	Closing balance at the end of FY 2017-18
1	2	3	4	5	6	7	8	9
1	Plant & Machinery	132.63	51.68	184.31	49.74	234.05	6.34	240.39
2	Buildings	2.42	0.00	2.42	0.00	2.42	0.00	2.42
3	Vehicles	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Furniture & Fixtures	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Computers & Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Land	5.21	0.00	5.21	0.00	5.21	0.00	5.21
7	Total	140.26	51.68	191.94	49.74	241.68	6.34	248.02

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Works-in-Progress

(Rs. in crores)

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	5
1	Opening balance	44.24	38.02	10.56
2	Add: New investments	45.46	22.28	33.25
3	Total	89.70	60.30	43.81
4	Less investment capitalized	51.68	49.74	6.34
5	Closing balance	38.02	10.56	37.47

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Interest Capitalized

(Rs. in crores)

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	5
1	WIP*			
2	GFA* at the end of the year			
3	WIP+GFA at the end of the year		NA	
4	Interest(excluding interest on WCL*)			
5	Interest Capitalized			

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Details of loans for the year

Sr.No.	Particulars (Source)	Opening Balance	Rate of Interest	Addition during the year	Repayment during the year	Amount of interest paid		
						Closing Balance	Current year	Ensuing year
1	SLR Bonds							
2	Non SLR Bonds							
3	LIC							
4	REC							
5	Commercial Banks							
6	Bills discounting							
7	Lease rental							
8	PFC							
9	GPF							
10	CSS							
11	Working capital loan							
12	Others							
13	Total							
	Add Govt. loan							
	-State Govt.							
	-Central Govt.							
14	Total							
15	Total (13+14)							
16	Less capitalization							
17	Net interest							
18	Add prior period							
19	Total interest							
20	Finance charges							
21	Total interest and finance charges							

N/A



Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
 Information regarding restructuring of outstanding loans during the year

(Rs. Crores)

Sr.No.	Source of Loan	Amount of original loan (Rs. in crores)	Old rate of interest	Amount already restructured (Rs. in crores)	Revised rate of interest	Amount now being restructured (Rs. in crores)	New rate of interest
	2	3	6	7	8	9	10
1							

N/A

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Value of Assets and Depreciation Charges

(Rs. Crore)

Sr.No.	Particulars Name of the Assets	Rate of depreciati on*	Previous Year		Current Year		Ensuing Year	
			Assets value at the beginning of FY2015-16	Depreciation charges	Assets value at the beginning of FY2016-17	Depreciation charges	Assets value at the beginning of FY2017-18	Depreciation charges
1	Plant & Machinery	5.28%	132.63	8.37	184.31	11.04	234.05	12.53
2	Buildings	3.34%	2.42	0.08	2.42	0.08	2.42	0.08
3	Vehicles	9.50%	0.00	0.00	0.00	0.00	0.00	0.00
4	Furniture & Fixtures	6.33%	0.00	0.00	0.00	0.00	0.00	0.00
5	Computers & Others	6.33%	0.00	0.00	0.00	0.00	0.00	0.00
6	Land	0.00%	5.21	0.00	5.21	0.00	5.21	0.00
7	Total		140.26	8.45	191.94	11.13	241.68	12.61

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Calculation of Advance Against Depreciation

(Rs. in crores)

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	5
1	1/10th of the Loan(s)			
2	Repayment of the Loan(s) as considered for working out Interest on Loan		NA	
3	Minimum of the Above			
4	Less: Depreciation during the year			
	A			
5	Cumulative Repayment of the Loan(s) as considered for working out Interest on Loan			
6	Less: Cumulative Depreciation			
	B			
7	Advance Against Depreciation (minimum of A or B)			

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Repair and Maintenance Expenses

(Rs. in crores)

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	5
1	Plant & machinery			
	-Plant & Apparatus			
	-EHV substations			
	- 33kV substation			
	- 11kV substation			
	- Switchgear and cable connections			
	- Others			
	Total			
2	Building			
3	Hydraulic works & civil works			
4	Line cable & network			
	-EHV Lines			
	- 33kV lines			
	- 11kV lines			
	- LT Lines			
	- Meters and metering equipment			
	- Others			
	Total			
5	Vehicles			
6	Furniture & fixtures			
7	Office equipments			
8	Operating expenses			
9	Total			
10	Add/Deduct share of others (To be specified)			
11	Total expenses			
12	Less capitalized			
13	Net expenses			
14	Add prior period *			
15	Total expenses charged to revenue as R&M expenses	2.09	3.63	4.58

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Total Number of Employees

(Rs. in crores)

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	5
1	Number of employees as on 1st April	29	29	29
2	Employees on deputation/ foreign service as on 1st April	0	0	0
3	Total number of employees (1+2)	29	29	29
4	Number of employees retired/retiring during the year	0	0	0
5	Number of employees added	0	0	0
6	Number of employees at the end of the year (4-5)	29	29	29

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Employee Cost

(Rs. in crores)

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
		Total		Total
1	2	3	4	5
1	Basic Pay	0.658	0.692	0.727
2	Bonus	0.008	0.008	0.009
3	Children Education Allowances	0.010	0.010	0.011
4	Dearness Allowances	0.401	0.422	0.443
5	Grade Pay	0.114	0.120	0.126
6	HELPER ALLOWANCE	0.000	0.000	0.000
7	House Rent Allowances	0.024	0.025	0.027
8	Leave Encashment	0.012	0.013	0.014
9	Medical Expenses	0.001	0.001	0.001
10	Retirement Benefits	0.007	0.007	0.008
11	Transport Allowance	0.036	0.038	0.040
12	Travelling Exp (Employees)	0.003	0.003	0.003
13	Tution Fees	0.000	0.000	0.000
14	Washing Allowances	0.000	0.000	0.000
15	Total	1.28	1.34	1.41

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Administration and General Expenses

(Rs. in crores)

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	5
1	Advertisement Expenses	0.00	0.01	0.01
2	Annual License fee	0.04	0.04	0.04
3	Books & Periodicals	0.00	0.00	0.00
4	BSNL Lease Lines	0.00	0.01	0.01
5	Car Hire Charges	0.01	0.01	0.01
6	Collection & Meter Reading Expenses	0.00	0.00	0.00
7	Digital Signature & Online Tendering Expenses	0.00	0.00	0.00
8	Inspection Expenses	0.00	0.00	0.00
9	Lighting Decoration	0.00	0.00	0.00
10	Membership Fees	0.00	0.00	0.00
11	Miscellaneous Expenses	0.00	0.00	0.00
12	News Paper Expenses	0.00	0.00	0.00
13	Postage Expenses	0.00	0.00	0.00
14	Professional Charges	0.04	0.04	0.04
15	Stationery & Printing	0.00	0.00	0.00
16	Telephone Expenses	0.00	0.00	0.00
17	Tonner Refilling & Repair	0.00	0.00	0.00
18	Transporation & Loading	0.00	0.00	0.00
19	Wearing Apparells	0.00	0.00	0.00
20	Xerox Charges	0.00	0.00	0.00
21	Grand Total	0.10	0.11	0.11

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Information regarding Bad and Doubtful Debts

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17- 18 (Projections)
	2		3	4
1		0.00	0.00	0.00
1	Provision made for debts in ARR			



Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
 Information regarding Working Capital for the current and ensuing year

Sr.No.	Particulars	Amount (in Crores Rs.)		
		Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2		3	4
1	Receivables equivalent to two months of fixed cost	2.96	4.74	5.59
2	Maintenance spares @15% of operation and maintenance expenses	0.52	0.76	0.91
3	Operation and maintenance expenses for one month	0.29	0.42	0.51
4	Total working Capital requirement	3.77	5.93	7.01

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Information regarding Foreign Exchange Rate Variation (FERV)

(Rs. in crores)

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	5
1	Amount of liability provided		N/A	
2	Amount recovered			
3	Amount adjusted			

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Non Tariff Income

(Rs. in crores)

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	5
1	House Rent Recovery	0.00	0.00	0.00
2	Interest Income	0.00	0.00	0.00
3	Discount received	0.00	0.00	0.00
4	Tender Fees	0.00	0.00	0.00
5	O&M of PGCIL assets	0.04	0.05	0.05
6	Total non tariff income	0.04	0.05	0.05

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Information regarding Revenue from Other Business

(Rs. in crores)

Sr.No.	Particulars	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	5
1	Total revenue from other business			
2	Income from other business to be considered for licensed business as per regulations		Not Applicable	

only

Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Lease Details

Sr.No.	Name of Lesser	Gross Assets (Rs.in crores)	Lease entered on	Lease Rentals	Primary period ended/ ending by	Secondary period ending by
1	2	3	4	5	6	7
Not Applicable						

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
Information regarding amount of equity and loan

(Rs. in crores)

Sr.No.	Period	Amount of equity (Rs. In crore)	Amount of loan (Rs. in crore)	Ratio of equity & loan
1	2	3	4	5
1	As on March 31 of FY 2015 (Actual)	6.18	8.24	0.75
2	As on March 31 of FY 2016 (RE)	21.69	35.97	0.60
3	As on March 31 of FY 2017 (Proj)	36.61	59.66	0.61

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Electricity Department of Dadra & Nagar Haveli
 ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 17-18
 Cash flow statement for the ensuing year (projections)

(Rs. in crores)

Sr.No.	Month	Sources of receipt	Amount	Particulars of payment	Amount
1	2	3	4	5	6
1	Apr				
2	May				
3	Jun				
4	Jul				
5	Aug				
6	Sep				
7	Oct				
8	Nov				
9	Dec				
10	Jan				
11	Feb				
12	Mar				
13	Total				

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Electricity Department of Dadra & Nagar Haveli
ANNUAL REVENUE REQUIREMENT FOR THE YEAR FY 2017-18

(Rs. in crores)

Sr.No.	Particular	Current year FY 15-16 (Actual)	Ensuing year FY 16-17 (RE)	Ensuing Year FY 17-18 (Projections)
1	2	3	4	
1	Cost of fuel	0.00	0.00	0.00
2	Cost of power purchase	0.00	0.00	0.00
3	Employee costs	1.28	1.34	1.41
4	R&M expenses	2.09	3.63	4.58
5	Administration and General expenses	0.10	0.11	0.11
6	Depreciation	8.45	11.13	12.61
7	Interest charges	3.19	6.91	8.03
8	Interest on Working Capital Loans	0.55	0.86	1.01
9	Return on NFA / Equity	2.16	4.52	5.82
9	Total revenue requirement	17.82	28.49	33.57
10	Less: non tariff income	0.04	0.05	0.05
11	Net revenue requirement (10-11)	17.78	28.45	33.52

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ORGANIZATION STRUCTURE

