

STATE LOAD DESPATCH CENTRE
GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
132 KV Substation Campus, Opposite Kalpvruj Complex,
Gotri Road, Vadodara – 390-021



CASE NO. 1621 of 2016

True Up of FY 2015-16
&
Multi-Year Aggregate Revenue Requirement for FY 2016-17 to FY 2020-21
&
Determination of Final ARR for FY 2016-17
&
Determination of SLDC Fees & Charges for FY 2017-18
OF
STATE LOAD DESPATCH CENTRE

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Rs. 85/- Only

BEFORE THE GUJARAT ELECTRICITY REGULATORY COMMISSION
GANDHINAGAR

CASE NO. 1621 of 2016

**Filing of Petition for True Up of FY 2015-16
&
Multi-Year Aggregate Revenue Requirement for FY 2016-17 to FY
2020-21
&
Determination of Final ARR for FY 2016-17
&
Determination of SLDC Fees & Charges for FY 2017-18
Under
GERC MYT Regulations 2016 and
Section 62 of the Electricity Act, 2003.**

**Filed by:-
State Load Despatch Centre,
Gujarat Energy Transmission Corporation Limited,
Regd. Office: Vidyut Bhavan, Race Course Circle, Vadodara – 390 007**



BEFORE THE GUJARAT ELECTRICITY REGULATORY COMMISSION

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IN THE MATTER OF

Filing of Petition for True Up of FY 2015-16, Multi-Year Aggregate Revenue Requirement for FY 2016-17 to FY 2020-21, determination of Final ARR for FY 2016-17 and determination of SLDC Fees & Charges for FY 2017-18 for SLDC under GERC Regulations 2005, GERC MYT Regulation 2016 and Section 62 of the Electricity Act, 2003.

AND

IN THE MATTER OF

State Load Despatch Centre,
Gujarat Energy Transmission Corporation Limited,
Sardar Patel Vidyut Bhavan,
Race Course,
Vadodara 390007

PETITIONER

THE PETITIONER ABOVE NAMED RESPECTFULLY SUBMITS



TABLE OF CONTENTS

SECTION 1. INTRODUCTION	7
1.1. PREAMBLE	7
1.2. INTRODUCTION	7
1.3. MULTI-YEAR TARIFF REGULATIONS:.....	8
SECTION 2. EXECUTIVE SUMMARY	10
2.1. PREAMBLE	10
2.2. TRUE UP FOR 2015-16	10
2.3. REVENUE GAP FOR FY 2015-16.....	10
2.4. MULTI-YEAR ARR FOR FY 2016-17 TO FY 2020-21	11
2.5. SLDC CHARGES FOR FY 2017-18	11
SECTION 3. TRUE UP OF FY 2015-16	13
3.1. PREAMBLE	13
3.2. EMPLOYEE EXPENSES.....	13
3.3. REPAIRS & MAINTENANCE EXPENSES.....	13
3.4. ADMINISTRATION & GENERAL EXPENSES	13
3.5. O&M EXPENSES.....	14
3.6. INTEREST ON WORKING CAPITAL	14
3.7. RLDC FEES AND CHARGES	15
3.8. ULDC & SCADA UPGRADATION CHARGES	15
3.9. CAPITAL EXPENDITURE FOR FY 2015-16	16
3.10. DEPRECIATION	16
3.11. INTEREST & FINANCE CHARGES	17
3.12. RETURN ON EQUITY.....	17
3.13. TAX ON INCOME.....	18
3.14. OTHER BUSINESS INCOME FOR FY 2015-16.....	18
3.15. AGGREGATE REVENUE REQUIREMENT FOR FY 2015-16	18
3.16. REVENUE GAP FOR FY 2015-16.....	19
SECTION 4. MULTIYEAR TARIFF PETITION FOR THE PERIOD 2016-17 TO 2020-21	20
4.1. PREAMBLE	20
4.2. PRINCIPLES FOR DETERMINATION OF ARR	20
4.3. POWER SYSTEM PARAMETERS.....	20
4.4. IMPLEMENTATION OF INTRA-STATE ABT & DEVIATION SETTLEMENT MECHANISM	21
4.5. SHORT TERM OPEN ACCESS (STOA).....	21
4.6. CAPITAL EXPENDITURE PLAN FOR FY 2016-17 TO FY 2020-21	23
4.7. CAPITAL SPENDING DURING CONTROL PERIOD	24
4.8. FUNDING OF CAPEX.....	25
4.9. DETAILS OF FIXED COSTS	26
4.10. OPERATION & MAINTENANCE EXPENSES	26
4.11. DEPRECIATION	27
4.12. INTEREST & FINANCE CHARGES	27
4.13. RETURN ON EQUITY	28
4.14. INTEREST ON WORKING CAPITAL	29
4.15. ULDC & OTHER RELATED CHARGES.....	29
4.16. RLDC/WRPC CHARGES.....	30
4.17. PROVISION FOR TAX.....	31
4.18. NON-TARIFF INCOME	31
4.19. TOTAL AGGREGATE REVENUE REQUIREMENT	31
4.20. PRINCIPLES FOR "RECOVERY AND LEVY OF CHARGES BY SLDC	32



4.21. PROPOSED ARR FOR SLDC FOR FY 2016-17 TO FY 2020-21	33
SECTION 5. DETERMINATION OF FINAL ARR FOR FY 2016-17 AND SLDC CHARGES FOR FY 2017-18.....	34
5.1. FINAL ARR FOR FY 2016-17	34
5.2. SLDC CHARGES FOR FY 2017-18	35
SECTION 6. REVISED TRUE-UP GAP/SURPLUS FOR FY 2013-14 TO FY 2014-15	36
SECTION 7. PRAYER.....	38
SECTION 8. TARIFF FILING FORMS	40



LIST OF TABLES

TABLE 1 : TRUE UP FOR FY 2015-16.....	10
TABLE 2 : REVENUE GAP FOR FY 2015-16.....	11
TABLE 3 : MULTI-YEAR ARR FOR FY 2016-17 TO FY 2020-21	11
TABLE 4: ARR FOR FY 2017-18.....	12
TABLE 5: CHARGES FOR FY 2017-18.....	12
TABLE 6 : EMPLOYEE EXPENSES FOR FY 2015-16	13
TABLE 7 : R&M EXPENSES FOR FY 2015-16	13
TABLE 8 : ADMINISTRATION & GENERAL EXPENSES FOR FY 2015-16	14
TABLE 9 : O&M EXPENSES FOR FY 2015-16.....	14
TABLE 10 : INTEREST ON WORKING CAPITAL FOR FY 2015-16.....	14
TABLE 11 : RLDC FEES & CHARGES FOR FY 2015-16.....	15
TABLE 12 : ULDC & SCADA UPGRADATION CHARGES FOR FY 2015-16	16
TABLE 13 : CAPEX FOR FY 2015-16	16
TABLE 14 : DEPRECIATION FOR FY 2015-16.....	17
TABLE 15 : INTEREST & FINANCE CHARGES FOR FY 2015-16.....	17
TABLE 16 : RETURN ON EQUITY FOR FY 2015-16	17
TABLE 17 : TAX ON INCOME FOR FY 2015-16.....	18
TABLE 18 : OTHER BUSINESS INCOME FOR FY 2015-16.....	18
TABLE 19 : AGGREGATE REVENUE REQUIREMENT FOR FY 2015-16.....	19
TABLE 20 : REVENUE GAP FOR FY 2015-16.....	19
TABLE 21: PEAK DEMAND IN LAST 5 YEARS	20
TABLE 22: FREQUENCY PROFILE	21
TABLE 23: OPEN ACCESS APPROVED DURING FY 2011-12	22
TABLE 24: OPEN ACCESS APPROVED DURING FY 2012-13	22
TABLE 25: OPEN ACCESS APPROVED DURING FY 2013-14	22
TABLE 26: OPEN ACCESS APPROVED DURING FY 2014-15	22
TABLE 27: OPEN ACCESS APPROVED DURING FY 2015-16	22
TABLE 28: OPEN ACCESS APPROVED FROM 2011-12 TO 2015-16.....	22
TABLE 29: CAPITAL EXPENDITURE PLAN FOR THE PERIOD FY 2016-17 TO FY 2020-21...	23
TABLE 30 : FUNDING OF CAPEX FOR FY 2016-17 TO FY 2020-21	26
TABLE 31: AVERAGE OPERATION & MAINTENANCE FOR FY 2012-13 TO FY 2014-15	27
TABLE 32: OPERATION & MAINTENANCE FOR THE PERIOD 2016-17 TO 2020-21.....	27
TABLE 33: DEPRECIATION FOR THE PERIOD 2016-17 TO 2020-21	27
TABLE 34: INTEREST & FINANCE CHARGES FOR THE PERIOD FY 2016-17 TO FY 2020-21	28
TABLE 35: RETURN ON EQUITY FOR THE PERIOD 2016-17 TO 2020-21	28
TABLE 36: INTEREST ON WORKING CAPITAL FOR THE PERIOD FY 2016-17 TO FY 2020-21	29
TABLE 37: ULD&C & OTHER RELATED CHARGES PERIOD 2016-17 TO 2020-21	30
TABLE 38: RLDC/WRPC CHARGES FOR THE PERIOD 2016-17 TO 2020-21	30
TABLE 39: TAX FOR THE PERIOD 2016-17 TO 2020-21	31
TABLE 40: NON-TARIFF INCOME FOR THE PERIOD 2016-17 TO 2020-21	31
TABLE 41: AGGREGATE REVENUE REQUIREMENT FOR FY 2016-17 TO FY 2020-21	32
TABLE 42: PROPOSED ARR FOR FY 2016-17 TO FY 2020-21	33
TABLE 43: AGGREGATE REVENUE REQUIREMENT FOR 2016-17	34
TABLE 44: AGGREGATE REVENUE REQUIREMENT FOR 2016-17 AFTER CONSIDERING FY 15 SURPLUS	34
TABLE 45: ARR FOR FY 2017-18	35
TABLE 46: CHARGES FOR FY 2017-18	35
TABLE 47: REVISED TRUE UP FOR FY 2013-14	36
TABLE 48: REVISED TRUE UP FOR FY 2014-15	36
TABLE 49: REVISED REVENUE GAP/ (SURPLUS) FOR FY 2013-14 TO FY 2014-15	37



ABBREVIATIONS

1.	A&G	Administrative & General
2.	AMC	Annual Maintenance Contract
3.	ARR	Aggregate Revenue Requirement
4.	CAPEX	Capital Expenditure
5.	CEA	Central Electricity Authority
6.	CERC	Central Electricity Regulatory Commission
7.	EMS	Energy Management System
8.	FY	Financial Year
9.	GEB	Gujarat Electricity Board
10.	GERC	Gujarat Electricity Regulatory Commission
11.	GETCO	Gujarat Energy Transmission Corporation Limited
12.	GoG	Government of Gujarat
13.	GoI	Government of India
14.	LTSA	Long Term Service Agreement
15.	MYT	Multi Year Tariff
16.	O&M	Operation & Maintenance
17.	R&M	Repair & Maintenance
18.	REC	Renewable Energy Certificate
19.	SCADA	Supervisory Control and Data Acquisition System
20.	SLDC	State Load Despatch Centre
21.	UI	Unscheduled Interchange
22.	ULDC	Unified Load Despatch & Control
23.	WRLDC	Western Regional Load Despatch Centre
24.	WRPC	Western Regional Power Committee

SECTION 1. INTRODUCTION

1.1. PREAMBLE

1.1.1. This section details the background and reasons for filing this petition.

1.2. INTRODUCTION

1.2.1. In pursuant to the Gujarat Electricity Industry (Reorganization and Regulation) Act 2003 (herein after called as "Act") in May 2003 for the reorganization of the entire power sector in the State of Gujarat notified by Government of Gujarat (hereinafter referred to as GoG), erstwhile GEB was divided into seven different entities wherein all its transmission related assets (including Load Despatch Centre) were transferred to newly created entity called as Gujarat Energy Transmission Corporation Ltd, herein referred as 'GETCO'

1.2.2. The Electricity Act, 2003 provides that the State Government shall have to establish a State Load Despatch Centre (SLDC). Subsection (2) of the Section 31 provides that the said SLDC shall be operated by a Government company/authority/corporation constituted by or under any State Act and that until such company/authority/corporation is notified by the State Government, the State Transmission Utility (STU) shall operate SLDC. The Government of Gujarat has then notified SLDC vide reference GHU-2004-31-GEB-1104-2946-K dated the 29th May, 2004 under Section 31 of the Electricity Act, 2003 (36 of 2003) that the Load Despatch Centre (LDC) situated in Jambuva, Dist. Vadodara as the State Load Despatch Centre, which shall be operated by Gujarat Energy Transmission Corporation Ltd., Vadodara for the purpose of exercising the powers and discharging the functions under the said Act w.e.f. 1st June, 2004 for discharging SLDC functions of electricity in the Gujarat State. Subsequently, SLDC is shifted to Gotri from Jambuva w.e.f. 6th July'2005. Accordingly, Gujarat Energy Transmission Corporation Ltd. is presently operating SLDC business in the State.

1.2.3. SLDC-Gujarat has participated into Unified Load Despatch and Communication Scheme (herein after called as ULDC) scheme approved by Central Electricity Authority (CEA) for western region. Under this scheme, SLDC Jambuva has been shifted to SLDC Gotri from 6th July 2005 and commenced operation of three Sub-SLDCs at Gandhinagar, Jambuva and Jetpur. All those Sub-SLDCs are equipped with sufficient manpower and operated under direct control of SLDC-Gotri.

1.2.4. Section 32(3) of the Electricity Act, 2003 provides for levy and collection of fees and charges from the generating companies and licensees engaged in the intra-state transmission of electricity as may be specified by the State Commission. Subsequently after issuance of the Electricity Act, 2003, Central Government through its Order 795(E) dated 8th June 2005 has notified "The Electricity (Removal of Difficulty) Sixth Order, 2005" wherein, it has clarified that SLDC fees and charges may be levied from licensees using intra State transmission system as specified state commission. It is therefore, appropriate to recover the SLDC fees and charges as specified by Hon'ble commission vide "Levy and collection of fees and charges regulation 2005".

- 1.2.5. In exercise of the powers conferred under Section 181 of the Electricity Act, 2003, and all powers enabling it in that behalf, the Gujarat Electricity Regulatory Commission has issued a regulation for determination of SLDC fees and charges called “Levy And Collection of Fees and Charges by SLDC Regulations, 2005” dated 30th March 2005. Accordingly, SLDC-Gujarat has to submit a petition before GERC with the details of estimated expenditure after separation of accounts.
- 1.2.6. The MYT petition filed by the SLDC was approved by the Hon’ble Commission for the second control period i.e. FY 2011-12 to FY 2015-16 vide order dated 31st March, 2011. Further, the Hon’ble Commission issued order for mid-term review of Business plan dated 29th April, 2014 for modification of the ARR for the remaining year of the control period for SLDC i.e. for FY 2014-15 to FY 2015-16. SLDC filed a review petition no. 1438 of 2014 on the Mid-term review of Business plan as mentioned above and subsequently, the Commission issued order dated 07th Nov 2014 determining the Revised ARR for remaining years of the control period for SLDC i.e. for FY 2014-15 to FY 2015-16.
- 1.2.7. GERC order dated 02nd December, 2015 on the Petition No. 1534/2015 states the following:
- “We decide that the approved ARR of FY 2015-16 of the licensees / generating companies concerned be considered as provisional ARR of the licensees / generating companies for FY 2016-17.*
- We also decide that the licensees / generating companies shall file the ARR for FY 2016-17 based on the MYT Regulations for FY 2016-17 to FY 2020-21 and the true up for the same shall also be governed as per the new MYT Regulations.*
- 1.2.8. Hon’ble Commission notified the Gujarat Electricity Regulatory Commission (Multi-Year Tariff) Regulations, 2016 (“GERC MYT Regulations, 2016”) on 29th March 2016 and shall be applicable for determination of tariff in all cases covered under the regulations from 1st April, 2016 onwards.
- 1.3. MULTI-YEAR TARIFF REGULATIONS:**
- 1.3.1. The key provisions of the Multi-Year Tariff Regulations, 2016 is reproduced below:
- 1.3.2. Section 3.1 of the GERC MYT Regulations 2016:
- 3.1: The Commission shall determine tariff within the Multi-Year Tariff framework, for all matters for which the Commission has jurisdiction under the Act, including in the following cases:*
- i. Supply of electricity by a Generating Company to a Distribution Licensee*
 - ii. Intra-State transmission of electricity;*
 - iii. SLDC Fees and Charges;**
 - iv. Intra-State Wheeling of electricity;*
 - v. Retail supply of electricity*
- 1.3.3. Section 17 of the GERC MYT Regulations, 2016:

17.2 The filing for the Control Period under these Regulations shall be as under:

a) MYT Petition shall comprise of:

- i. Truing up for FY 2015-16 to be carried out under Gujarat Electricity Regulatory Commission (Multi-Year Tariff) Regulations, 2011: Provided that Truing up for FY 2015-16 for SLDC shall be carried out under Gujarat Electricity Regulatory Commission (Levy and Collection of Fees and Charges by SLDC) Regulations, 2005;*
- ii. Multi-Year Aggregate Revenue Requirement for the entire Control Period with year-wise details;*
- iii. Revenue from the sale of power at existing tariffs and charges and projected revenue gap or revenue surplus, for the second year of the Control Period under these Regulations, viz., FY 2017-18;*
- iv. Application for determination of final ARR for FY 2016-17 and determination of tariff for FY 2017-18.*

1.3.4. Under section 62 of the Electricity Act, 2003 and regulation issued by Hon'ble Commission called as "Levy and Collection of Fees and Charges by SLDC Regulations, 2005" & its amendment dated 18th Feb 2016 and GERC Multi-Year Tariff Regulations, 2016, SLDC has to file application for True up for FY 2015-16, Multi-Year Aggregate Revenue Requirement for FY 2016-17 to FY 2020-21, Determination of final ARR for FY 2016-17 and Determination of SLDC Fees & Charges for FY 2017-18.

1.3.5. All the figures have been presented in Rupees in Lakhs, as the figures are smaller in comparison of other entities. SLDC requests Hon'ble Commission to accept the same.

SECTION 2. EXECUTIVE SUMMARY

2.1. PREAMBLE

2.1.1. This section highlights the summary of Petition for True Up for FY 2015-16, Multi-Year Aggregate Revenue Requirement for FY 2016-17 to FY 2020-21, determination of Final ARR for FY 2016-17 and determination of SLDC Fees & Charges for FY 2017-18.

2.2. TRUE UP FOR 2015-16

2.2.1. SLDC has computed its Aggregate Revenue Requirement (ARR) for FY 2015-16 as a part of the True Up for FY 2015-16. SLDC has presented the actual cost components based on audited annual accounts for FY 2015-16.

2.2.2. The detailed comparison of various cost components with the values approved by the Hon'ble Commission has been presented in Chapter True-Up of FY 2015-16. A summary of the proposed ARR for Truing-up of FY 2015-16 compared with the approved ARR for FY 2015-16 is presented in the table below:

TABLE 1 : TRUE UP FOR FY 2015-16

Rs. Lakhs				
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Operation & Maintenance Expenses	1,399.91	1,644.56	(244.65)
1.1	Employee Cost	1,136.30	1,157.64	(21.34)
1.2	Repair & Maintenance	47.91	136.72	(88.81)
1.3	Administration & General Charges	215.70	350.20	(134.50)
2	Interest on Working Capital	37.94	30.64	7.30
3	RLDC Fees & charges	18.10	9.78	8.32
4	Charges for ULDC & Other related Projects	820.42	196.51	623.91
5	SCADA upgradation charges	483.00	113.57	369.43
7	Less: Other Income	108.72	1,179.26	(1,070.54)
8	Operating Cost Budget (a)	2,650.65	815.80	1,834.85
9	Depreciation	150.20	259.43	(109.23)
10	Interest & Finance Charges	123.46	118.81	4.65
11	Return on Equity	102.33	95.29	7.04
12	Total Fixed Costs	375.99	473.53	(97.54)
13	Less: Expenses Capitalized	-	-	-
14	Add: Provision for Tax	20.45	-	20.45
15	Capital Cost Budget (b)	396.44	473.53	(77.09)
16	Total Revenue Budget (a)+(b)	3,047.09	1,289.33	1,757.76

2.3. REVENUE GAP FOR FY 2015-16

2.3.1. The revenue gap/ (surplus) of SLDC for FY 2015-16 has been computed taking into account actual ARR incurred for FY 2015-16 and revenue from SLDC fees & charges as per accounts.

2.3.2. The actual ARR incurred by SLDC is Rs. 1,289.33 Lakhs and revenue gap is Rs. 211.31 Lakhs for FY 2015-16 as per the table mentioned below.

2.3.3. The revenue gap arising based on the true up for FY 2015-16 mentioned above shall be added in the ARR for the FY 2017-18. The revenue gap of SLDC for the FY 2015-16 is shown in the table below:

TABLE 2 : REVENUE GAP FOR FY 2015-16

Sr. No.	Particulars	Rs. Lakhs
		FY 2015-16 (Actual)
1	ARR for FY 2015-16 after truing up	1,289.33
2	Revenue from SLDC charges	1,078.02
3	Revenue Gap for FY 2015-16	211.31

2.4. MULTI-YEAR ARR FOR FY 2016-17 TO FY 2020-21

2.4.1. SLDC has projected its Aggregate Revenue Requirement for third control period FY 2016-17 to FY 2020-21. The basis of such projections has been dealt in subsequent sections of the Petition.

2.4.2. The Multi-Year Aggregate Revenue Requirement of SLDC for the third control period FY 2016-17 to FY 2020-21 is projected as under:

TABLE 3 : MULTI-YEAR ARR FOR FY 2016-17 TO FY 2020-21

Sr. No.	Particulars	Rs. Lacs				
		FY 2016-17	2017-18	2018-19	2019-20	2020-21
1	Operation & Maintenance Expenses	1,749.36	1,849.42	1,955.21	2,067.04	2,185.28
1.1	Employee Cost	1,443.41	1,525.97	1,613.26	1,705.53	1,803.09
1.2	Repair & Maintenance	67.83	71.71	75.81	80.15	84.73
1.3	Administration & General Charges	238.12	251.74	266.14	281.36	297.46
2	Interest on Working Capital	27.81	31.50	35.60	38.63	39.60
3	RLDC Fees & charges	10.76	11.83	13.02	14.32	15.75
4	Charges for ULDC & Other related Projects	486.05	486.05	486.05	486.05	486.05
5	Less: Other Income	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
6	Operating Cost Budget (a)	1,273.97	1,378.80	1,489.87	1,606.04	1,726.68
7	Depreciation	254.41	408.29	586.90	572.65	251.68
8	Interest & Finance Charges	132.83	167.76	192.55	191.16	188.90
9	Return on Equity	112.47	154.53	200.25	234.52	258.17
10	Total Fixed Costs	499.71	730.59	979.69	998.33	698.74
11	Less: Expenses Capitalized	-	-	-	-	-
12	Add Provision for Tax / Tax Paid	24.00	32.98	42.74	50.05	55.10
13	Capital Cost budget (b)	523.72	763.57	1,022.43	1,048.38	753.84
14	Total revenue requirement (a+b)	1,797.69	2,142.37	2,512.30	2,654.43	2,480.52

2.4.3. SLDC requests the Hon'ble Commission to approve the Final ARR for FY 2016-17 mentioned in the table and detailed in subsequent sections.

2.5. SLDC CHARGES FOR FY 2017-18

2.5.1. In accordance with provisions of the GERC MYT Regulations, 2016, SLDC Fees & Charges for FY 2017-18 is determined as follows:

TABLE 4: ARR FOR FY 2017-18

		Rs. Lacs
Sr. No.	Particulars	FY 2017-18
1	Operation & Maintenance Expenses	1,849.42
1.1	<i>Employee Cost</i>	1,525.97
1.2	<i>Repair & Maintenance</i>	71.71
1.3	<i>Administration & General Charges</i>	251.74
2	Interest on Working Capital	31.50
3	RLDC Fees & charges	11.83
4	Charges for ULDC & other related projects	486.05
5	Less: Other Income	1,000.00
6	Operating Cost Budget (a)	1,378.80
7	Depreciation	408.29
8	Interest & Finance Charges	167.76
9	Return on Equity	154.53
10	Total Fixed Costs	730.59
11	Less: Expenses Capitalized	-
12	Add: Provision for Tax	32.98
13	Capital Cost Budget (b)	763.57
14	Total Revenue Requirement (a+b)	2,142.37

2.5.2. SLDC has calculated the Charges for FY 2017-18 by ARR for FY 2017-18 as mentioned above & revenue gap for FY 2015-16. The charges of SLDC for FY 2017-18 after applying the revenue gap of FY 2015-16 is as follows;

TABLE 5: CHARGES FOR FY 2017-18

		Rs. Lacs
Sr. No.	Particulars	FY 2017-18
1	ARR proposed for 2017-18	2,142.37
2	Add Revenue Gap proposed in truing up for FY 2015-16	211.31
3	Total SLDC charges (1+2)	2,353.68
4	Grid Connection Fees (Rupees)	10,000.00

2.5.3. It is hereby requested to the Hon'ble Commission to approve the SLDC Charges and Fees for FY 2017-18 as mentioned above.

SECTION 3. TRUE UP OF FY 2015-16

3.1. PREAMBLE

- 3.1.1. This section outlines performance of SLDC for FY 2015-16. In line with the provisions of the MYT Regulations, 2011 & GERC Regulations, 2005, SLDC hereby submits the True up Petition comparing the actual performance of SLDC during FY 2015-16 with the forecast approved by the Hon'ble Commission vide order on Petition no. 1438 of 2014 dated 07th Nov 2014.
- 3.1.2. SLDC has presented the actual cost components based on audited annual accounts for FY 2015-16.

3.2. EMPLOYEE EXPENSES

- 3.2.1. Employee expenses are broadly categorized into (1) Salaries and wages (2) Contribution to provident & other funds (3) Staff welfare expenses & (4) Other terminal benefits. The actual employee expense for FY 2015-16 is shown as per the table below.

TABLE 6 : EMPLOYEE EXPENSES FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Total Employee Cost	1,136.30	1,157.64	(21.34)

3.3. REPAIRS & MAINTENANCE EXPENSES

- 3.3.1. The Repairs & Maintenance (R&M) expenses have been incurred on account of maintaining the asset quality given the ageing of equipment.
- 3.3.2. The ULDC charges which are part of R&M expenses in the P&L accounts have been negated to arrive at the R&M expenses for FY 2015-16 as the expenses related to ULDC have been considered under a separate head.
- 3.3.3. The actual R&M expenses for FY 2015-16 are shown as per table below:

TABLE 7 : R&M EXPENSES FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Total Repairs and Maintenance Expenses	47.91	136.72	(88.81)

- 3.3.4. The R&M expenses have increased due to civil works undertaken for repair works at SLDC Gotri, SLDC Jambuva, SLDC Gandhinagar.

3.4. ADMINISTRATION & GENERAL EXPENSES

- 3.4.1. Administrative & General (A&G) expenses mainly consist of conveyance & travel, legal charges, telephone charges, electricity charges etc.
- 3.4.2. The A&G expenses shown in the P&L account is inclusive of RLDC fees & charges and therefore, the same has been negated from the A&G expenses as RLDC charges have been considered under a separate head.
- 3.4.3. The actual cost incurred under A&G expenses is as below. The actual A&G expenses are marginally higher than the value approved by the Commission.

TABLE 8 : ADMINISTRATION & GENERAL EXPENSES FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Total A&G Expenses	215.70	350.20	(134.50)

3.4.4. A&G expenses have increased due to leased line expenses on account of new meter installation for automatic data transmission.

3.5. O&M EXPENSES

3.5.1. The summary of O&M expenses vis-à-vis approved values by the Commission is shown below:

TABLE 9 : O&M EXPENSES FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Employee Cost	1,136.30	1,157.64	(21.34)
2	Repair & Maintenance	47.91	136.72	(88.81)
3	Administration & General Charges	215.70	350.20	(134.50)
4	Operation & Maintenance Expenses	1,399.91	1,644.56	(244.65)

3.5.2. It is hereby requested to the Hon'ble Commission to approve the actual O&M expenses for FY 2015-16 as per the table above.

3.6. INTEREST ON WORKING CAPITAL

3.6.1. Working capital and interest on working capital are computed as per the norms specified under the regulation for the "*Levy and collection of SLDC Charges and fees*" (Regulation No.5 of 2005) issued by the Hon'ble Commission.

3.6.2. The working capital is computed by considering following components: (i) 1/12th of the O&M expense, (ii) Maintenance spares @ 1% of the opening GFA, (iii) Receivables equivalent to 15 days. The interest rate has been considered at the rate of 14.75% as per SBI PLR as on 01.04.2015 in line with the regulations.

3.6.3. The Interest on working capital expenses incurred is shown as below:

TABLE 10 : INTEREST ON WORKING CAPITAL FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	O & M expenses (1 Month)	116.66	137.05	(20.39)
2	Maintenance Spares (1% of opening GFA)	18.94	17.69	1.25
3	Receivables (15 days)	112.25	52.99	59.26
4	Total Working Capital	247.85	207.72	40.13
5	Rate of Interest on Working Capital	14.45%	14.75%	
6	Interest on Working Capital	37.94	30.64	
7	Interest on Working Capital	37.94	30.64	7.30

3.7. RLDC FEES AND CHARGES

3.7.1. RLDC fees and charges incurred for FY 2015-16 are as below

TABLE 11 : RLDC FEES & CHARGES FOR FY 2015-16

Sr. No.	Particulars	Rs. Lakhs		
		FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	RLDC Fees	18.10	9.78	8.32

3.7.2. It is hereby requested to the Hon'ble Commission to approve the RLDC fees & charges for the FY 2015-16 as per the table above.

3.8. ULDC & SCADA UPGRADATION CHARGES

3.8.1. Power Grid Corporation of India Ltd. (POWERGRID) conceptualized a Unified load despatch and Communication (ULDC) scheme for strengthening the load despatch infrastructure and augmenting communication system for efficient discharge of load despatch functions. The scheme covered investment in RLDCs at the Central level and SLDCs at the State level.

3.8.2. CERC has issued an order in this regard for Approval of charges for Unified Load Despatch & Communication Scheme in Western Region for the period from 1.2.2006. Accordingly, the Central portion charges as per the preceding para shall be shared by beneficiaries/constituents in Western Region in the ratio of central generating capacity allocation, including the allocation from unallocated capacity from the Central Generating stations. Inter-regional export/import of power, whether bilateral or multilateral, would not affect the sharing of charges for Unified Scheme. The State portion charges shall be shared by the States in proportion to respective capital cost as on 31.3.2006.

3.8.3. In the 8th meeting of WRPC held on 12th September'2008, WRLDC had intimated that ULDC project was under extended AMC period up to 31.05.2009 and stressed the need for going in for a comprehensive Long Term Service Agreement (LTSA). In this connection, it was informed to the committee that M/s. GE had submitted offer to take up AMC which broadly covered the scope of SCADA/EMS/DTS software as well as hardware of SLDC/Sub-LDCs. Subsequently, negotiation committee was formed and deliberates on various options & aspects. It was also agreed by all committee member of WR including SLDC-Gujarat in 10th meeting that WRLDC/PGCIL would go ahead with awarding of maintenance of SCADA/EMS system in Western Region to M/s GE and LTSA arrangements with them. Accordingly, the aforesaid annual maintenance contract is commenced from 14th August, 2009. Percentage sharing of GETCO is also decided as 17.36% as per agreement executed with POWERGRID.

3.8.4. Existing SCADA/EMS software has been installed and commissioned since 2004 and now it is necessary to upgrade/expansion of the existing SCADA system software with advanced technology. As the hardware are at end of life cycle and needs to be up-gradation/replacement, it was decided in 16th WRPC meeting to phased out the existing ULDC system at the end of 5 year LTSA (i.e. by date 14th Oct. 2014). Also, the new and old ULDC would operate in parallel for a year so as to evaluate the new system for its stability and reliability. A paradigm shift is expected in the SCADA/EMS system

methodology as new regulations like WIND Generation forecasting, REC mechanism, POC charges, incorporation of WIND/SOLAR generation, increase in Open Access Users are SLDC's forthcoming challenges. Hence, this may lead to expansion/up-gradation SCADA/EMS system with high standard in terms of latest technology, handling large volume of data storage, its processing for various reports, high speed data retrieval, high accuracy and elevated security, etc. Keeping the ULDC philosophy, on request of constituents of Western Region, WRLDC has proposed the up-gradation/replacement of existing SCADA/EMS system. With the increased complexity of grid and advancement of IT system it is utmost necessary to adopt the latest available software/hardware for the SCADA system.

3.8.5. As on Oct'15, the contract for old SCADA system (GE) has concluded.

3.8.6. The ULDC charges have been accounted as per the actual bills received. The charges incurred by SLDC for FY 2015-16 are as below:

TABLE 12 : ULDC & SCADA UPGRADATION CHARGES FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Central Portion - Recovery of ULDC charges		56.62	
2	State Portion - Recovery of Capital Charges		139.90	
3	Annual Maintenance Charges		-	
4	Maintenance for Wideband Communication		-	
5	Total ULDC charges	820.42	196.51	623.91
6	SCADA Upgradation charges	483.00	113.57	369.43
7	ULDC & SCADA Upgradation Charges	1,303.42	310.08	993.34

3.9. CAPITAL EXPENDITURE FOR FY 2015-16

3.9.1. Capital expenditure incurred for SLDC during the FY 2015-16 is Rs. 36.35 Lakhs as against the approved cost of Rs. 931.00 Lakhs by the Commission in its mid-term business plan dated 29th April 2014.

3.9.2. The scheme wise CAPEX incurred by the petitioner is as shown below:

TABLE 13 : CAPEX FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	
1	Land Acquisition cost	0.00	-	
2	Augmentation/ Upgradation of existing systems	0.00	4.41	
3	Strengthening of communication channels	870.00	7.99	
4	Additional system / Software planning	31.00	-	
5	IT Infrastructure	0.00	9.71	
6	SLDC Building development	10.00	-	
7	Office Equipment	10.00	14.25	
8	Staff recreation facilities	5.00	-	
9	Additional Expenditure	5.00	-	
10	Total	931.00	36.35	

3.10. DEPRECIATION

3.10.1. The actual depreciation incurred for the FY 2015-16 is Rs. 259.43 Lakhs as per accounts. The higher depreciation claimed is due to calculation of depreciation as per the new Companies Act 2013 and as a result,

depreciation for software has gone up to Rs.119.11 Lacs. The petitioner hereby requests the Hon'ble Commission to approve the same.

3.10.2. The depreciation for the FY 2015-16 is as follows:

TABLE 14 : DEPRECIATION FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Gross Block in Beginning of the year	1,894.11	1,768.83	
2	Additions during the Year (Net)	949.80	36.35	
3	Depreciation for the Year	150.20	259.43	
4	Depreciation for the Year	150.20	259.43	(109.23)

3.11. INTEREST & FINANCE CHARGES

3.11.1. The addition in loans for the FY 2015-16 is derived based on opening and closing loans as per accounts. The interest rate for SLDC has been considered as 10.22% in line with GETCO.

3.11.2. The interest & finance charges incurred by SLDC for the FY 2015-16 is as follows;

TABLE 15 : INTEREST & FINANCE CHARGES FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Opening Loans	887.96	1,075.50	(187.54)
2	Loan Additions during the Year	664.86	61.76	753.30
3	Repayment during the Year	150.20	-	
4	Closing Loans	1,402.62	1,137.26	265.36
5	Average Loans	1,145.29	1,106.38	38.91
6	Interest on Loan	123.46	113.07	10.39
7	Other Finance Charges	-	5.74	(5.74)
8	Total Interest & Financial Charges	123.46	118.81	
9	Total Interest & Financial Charges	123.46	118.81	4.65
10	Weighted Average Rate of Interest on Loan	10.78%	10.22%	

3.12. RETURN ON EQUITY

3.12.1. The actual equity addition as per accounts has been considered for FY 2015-16 for calculation of return on equity. The rate of return on equity is considered as 14% as per the regulations.

3.12.2. SLDC doesn't have its own equity and computation of Debt & Equity is done on yearly basis to prepare SLDC books of Accounts as directed by the Hon'ble Commission as per the Case no. 1063 of 2011 dated 31st Mar'11. Further, debt & equity of SLDC are considered in proportion of the GETCO debt: equity ratio and in the FY 2015-16, ratio of debt has increased and ratio of equity has gone down resulting into lesser equity for the FY 2015-16.

3.12.3. The return on equity for the FY 2015-16 is as follows;

TABLE 16 : RETURN ON EQUITY FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Opening Equity Capital	588.51	693.33	(104.82)

Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
2	Equity Additions during the Year	284.94	(25.41)	310.35
3	Closing Equity	873.45	667.92	205.53
4	Average Equity	730.98	680.63	50.36
5	Rate of Return on the Equity	0.14	0.14	-
6	Return on Equity	102.33	95.29	-
7	Return on Equity	102.33	95.29	7.04

3.13. TAX ON INCOME

3.13.1. Tax on the income streams is computed as an expense and is to be recovered from the beneficiaries. GETCO makes a consolidated tax payment including SLDC. The income tax worked out for SLDC as per accounts for FY 2015-16 is shown below:

TABLE 17 : TAX ON INCOME FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Provision for Taxation	20.45	-	20.45

3.14. OTHER BUSINESS INCOME FOR FY 2015-16

3.14.1. SLDC is earning revenue from sources other than the core business activities and hence, income from "other Business income" is deducted from the ARR to arrive at the net ARR of the SLDC.

3.14.2. As per the GERC (Levy & collection of fees & charges by SLDC) (First Amendment) Regulations, 2016, the scheduling & system operation charges are required to be considered as part of the true-up of each financial year and hence, the same is included as part of non-tariff income of SLDC. The relevant extracts of the Regulation is reproduced as under:

"Scheduling and system operation Charges recovered by SLDC from users of the Grid shall be considered at the time of determination of tariff and trueing up for each financial year."

3.14.3. Accordingly, the other income earned by the SLDC for the FY 2015-16 is as follows:

TABLE 18 : OTHER BUSINESS INCOME FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Interest on advances to suppliers & contractors	-	2.01	
2	Scheduling & System operation charges		991.61	
3	Miscellaneous Receipts		172.71	
4	Interest on staff loans & advances	108.72	1,179.26	(1,070.54)

3.15. AGGREGATE REVENUE REQUIREMENT FOR FY 2015-16

3.15.1. The aggregate revenue requirement for the FY 2015-16 vis-à-vis approved by the Commission is shown as below:

TABLE 19 : AGGREGATE REVENUE REQUIREMENT FOR FY 2015-16

				Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Approved)	FY 2015-16 (Actual)	Deviation
1	Operation & Maintenance Expenses	1,399.91	1,644.56	(244.65)
1.1	Employee Cost	1,136.30	1,157.64	(21.34)
1.2	Repair & Maintenance	47.91	136.72	(88.81)
1.3	Administration & General Charges	215.70	350.20	(134.50)
2	Interest on Working Capital	37.94	30.64	7.30
3	RLDC Fees & charges	18.10	9.78	8.32
4	Charges for ULDC & Other related Projects	820.42	196.51	623.91
5	SCADA upgradation charges	483.00	113.57	369.43
7	Less: Other Income	108.72	1,179.26	(1,070.54)
8	Operating Cost Budget (a)	2,650.65	815.80	1,834.85
9	Depreciation	150.20	259.43	(109.23)
10	Interest & Finance Charges	123.46	118.81	4.65
11	Return on Equity	102.33	95.29	7.04
12	Total Fixed Costs	375.99	473.53	(97.54)
13	Less: Expenses Capitalized	-	-	-
14	Add: Provision for Tax	20.45	-	20.45
15	Capital Cost Budget (b)	396.44	473.53	(77.09)
16	Total Revenue Requirement (a)+(b)	3,047.09	1,289.33	1,757.76

3.16. REVENUE GAP FOR FY 2015-16

3.16.1. The revenue gap for FY 2015-16 after considering the actual FY 2015-16

TABLE 20 : REVENUE GAP FOR FY 2015-16

		Rs. Lakhs
Sr. No.	Particulars	FY 2015-16 (Actual)
1	ARR for FY 2015-16 after truing up	1,289.33
2	Revenue from SLDC charges	1,078.02
3	Revenue gap for FY 2015-16	211.31

3.16.2. It is hereby requested to the Hon'ble Commission to pass on the Gap so determined in the approved revenue for the FY 2017-18.

SECTION 4. MULTIYEAR TARIFF PETITION FOR THE PERIOD 2016-17 TO 2020-21

4.1. PREAMBLE

4.1.1. This section outlines details of Aggregate Revenue Requirement of SLDC for third control period FY 2016-17 to FY 2020-21. The Projections are based on provisions of GERC Multi-Year Tariff Regulations, 2016 and the methodology followed has been dealt in subsequent sections.

4.2. PRINCIPLES FOR DETERMINATION OF ARR

4.2.1. The Electricity Act, 2003 provides the function of State Load Dispatch Centre to ensure integrated operation of State Power System as per Section 32. Accordingly, SLDC is endeavoring to maintain reliability of State Power System with optimization of available resources. Benefit of reliable grid operation extended to all grid users of State Power System, including generating station and distribution licensees, open access users and ultimately to the end consumers of State.

4.2.2. SLDC runs round-the-clock operations and invests in State of the Art equipment like SCADA, Communication system, other IT & Software etc. for smooth functioning for grid. Consequentially, SLDC would incur various costs on account of above activities. Therefore, annual revenue requirement of SLDC shall need to be recovered from the existing grid users or new grid users.

4.2.3. Section 32(3) of the Electricity Act, 2003 and Section 81.1 of GERC MYT Regulations, 2016 provides for levy and collection of fees and charges from grid users. It is therefore necessary to charge SLDC fees and charges to all grid users as per prevailing regulations.

4.3. POWER SYSTEM PARAMETERS

4.3.1. Maximum Demand Handled

4.3.2. SLDC is responsible for grid operations and market operations in Gujarat control area. SLDC has been successfully managing the power system of Gujarat and handled a maximum demand of 14982 MW in FY 2015-16. The maximum demand has increased at a CAGR of 7.52% from FY 2011-12 to FY 2015-16 as per the table below:

TABLE 21: PEAK DEMAND IN LAST 5 YEARS

Year	Maximum Demand in MW
2011-12	11209
2012-13	12348
2013-14	12577
2014-15	14005
2015-16	14982

4.3.3. Frequency Profile

- 4.3.4. Maintaining frequency is a combine effort of grid users including the effectiveness of balancing function to be carried out by each Load Dispatch Centre. The frequency profile has improved over the last few years as under:

TABLE 22: FREQUENCY PROFILE

Sr. No	Particulars	2014-15	2015-16
1	Average Frequency (in Hz)	49.97	49.99
2	% of time above 50.05 Hz	20.92	19.34
3	% of time below 49.90Hz	25.54	13.48
4	% of time between 49.9 to 50.05 Hz (Freq. Band)	53.54	67.19

4.4. IMPLEMENTATION OF INTRA-STATE ABT & DEVIATION SETTLEMENT MECHANISM

- 4.4.1. Amendment to Order No.3 of 2006 dated 11th August, 2006 in the matter of “Bringing Generating Stations of Gujarat State, Distribution Licensees and other persons under the purview of Intra-State Availability Based Tariff (Intra-State-ABT)” is in force as per Order No. 3 of 2010 of GERC.
- 4.4.2. Intrastate ABT mechanism has been fully implemented with all its commercial aspects in the State w.e.f. 5th April’2010 as per GERC order 3 of 2010. The objective of this regulation is to maintain grid discipline by Intra State entities as envisaged under the Grid Code through the commercial mechanism of Unscheduled Interchange Charges by controlling the users of the grid in scheduling, dispatch and drawl of electricity
- 4.4.3. In accordance with the clause 8 & 10 of Amendment Regulation 3 of 2010 issued by Hon’ble GERC, basic UI rate for the Intra State entities in Gujarat shall be in line with CERC notifications on the matter as amended from time to time. Additional UI charges shall also be applicable at the rate stipulated by CERC from time to time for over drawl or under injection of electricity for each time block.
- 4.4.4. Hon’ble CERC has issued the Deviation settlement mechanism and Related Matters Regulations 2014 dated 07th January 2014. Wherein, corresponding frequency band and step, Deviation charges and additional charges are amended with effect from 17th February 2014.
- 4.4.5. Hon’ble GERC has also issued letter for Implementation of Deviation settlement mechanism and related matters at intra state level dtd 05.03.2015 and SLDC follow the same from 17th February 2014.
- 4.4.6. Gujarat SLDC-GETCO has adopted EASS (Energy Accounting and Scheduling software) designed, commissioned and supplied by M/S Infosys Limited. At present All DSM/UI account is being prepared and issued in EASS software since 01.04.2015.

4.5. SHORT TERM OPEN ACCESS (STOA)

- 4.5.1. According to the Open Access Regulation 2005 for Intra State, SLDC is the Nodal agency for providing short term open access within Gujarat and play a key role for operationalization of long term open access. The procedure for reservation of transmission capacity under short term open access is formulated. SLDC-Gujarat is Nodal agency for implementation of open

access transaction under short term category and has undertaken following activities:

- A. Approval of short term open access within intra state
- B. Issuing No objection/Standing clearance for Inter State collective transaction through power exchange approved by appropriate commission.
- C. Issuing concurrence for Inter State bilateral transaction through inter State open access.

4.5.2. State Load Dispatch Centre has granted short term open access within intra State level in different category from the date of issue of open access regulation. The number of short term open access transactions is increasing every year. Below tables show details of open access application processed/granted for the last 5 years (2011-12 to 2015-16) & summary of open access granted in the control period 2011-12 to 2015-16.

TABLE 23: OPEN ACCESS APPROVED DURING FY 2011-12

SI.No:	Category	Granted in MW	Total Mus
1	Intra State Short Term Open Access	617.50	2177.99
2	Intra State Collective Transactions (PX)	3391.92	4046.38
3	Inter State Bilateral Transaction	999.90	6405.16

TABLE 24: OPEN ACCESS APPROVED DURING FY 2012-13

SI.No:	Category	Granted in MW	Total MUs
1	Intra State Short Term Open Access	345.20	2455.52
2	Intra State Collective Transactions (PX)	6298.69	18043.55
3	Inter State Bilateral Transaction	1747.18	7700.95

TABLE 25: OPEN ACCESS APPROVED DURING FY 2013-14

SI.No:	Category	Granted in MW	Total MUs
1	Intra State Short Term Open Access	533.20	2895.60
2	Intra State Collective Transactions (PX)	6470.76	12150.52
3	Inter State Bilateral Transaction	1667.00	7778.31

TABLE 26: OPEN ACCESS APPROVED DURING FY 2014-15

SI.No:	Category	Granted in MW	Total MUs
1	Intra State Short Term Open Access	1001.40	4495.32
2	Intra State Collective Transactions (PX)	5112.90	5271.38
3	Inter State Bilateral Transaction	1291.00	3079.00

TABLE 27: OPEN ACCESS APPROVED DURING FY 2015-16

SI.No:	Category	Granted in MW	Total MUs
1	Intra State Short Term Open Access	1113.00	1420.67
2	Intra State Collective Transactions (PX)	4151.10	5356.40
3	Inter State Bilateral Transaction	1632.80	5505.50

TABLE 28: OPEN ACCESS APPROVED FROM 2011-12 TO 2015-16

SI.No:	Category	Granted in MW	Total MUs
1	Intra State Short Term Open Access	3610.30	13445.09
2	Intra State Collective Transactions (PX)	25425.37	44868.23
3	Inter State Bilateral Transaction	7337.88	30468.92

4.6. CAPITAL EXPENDITURE PLAN FOR FY 2016-17 TO FY 2020-21

4.6.1. SLDCs play a vital role as grid operator for the States and are involved round-the-clock operations. With the increasing scale of operation on year to year basis and also to support various new challenges envisaged in the forthcoming years, it is required to strengthen & upgrade the existing system to cater to the system demands. Hence, it is imperative for SLDCs to use State of the Art equipment with adequate redundancy provided to safeguard against failures.

4.6.2. The capital expenditure of SLDC for the control period is mentioned as below:

TABLE 29: CAPITAL EXPENDITURE PLAN FOR THE PERIOD FY 2016-17 TO FY 2020-21

Particulars	Rs. Lacs				
	2016-17	2017-18	2018-19	2019-20	2020-21
Augmentation/ Upgradation of existing customers (systems)	372.00	360.00	376.00	376.00	392.00
Strengthening of communication channels	45.00	-	72.00	-	-
Additional system / Software planning	237.50	487.50	400.00	-	-
IT Infrastructure	54.00	54.00	54.00	54.00	54.00
Office Equipment	69.60	73.30	50.00	-	-
Additional Expenditure	125.00	125.00	125.00	125.00	125.00
Total	903.10	1,099.80	1,077.00	555.00	571.00

4.6.3. The current ongoing change of independent SLDC, ring fencing and separation of SLDC will increase the capital expenditure in initial years as assets is to be transfer from GETCO to SLDC through appropriate transfer scheme. According to recommendation of GOI report, as endorsed by all States, new governance and institutional arrangement for the SLDC is to be established. The institutionalized arrangement comprises corporate offices, infrastructure for meetings/conferences, creation of Boards and their roles. SLDC has planned for creating infrastructure related with formation of separate company and submitted to Hon'ble commission. However, due to delay in forming separate company, SLDC has revised the capital expenditure plan for ensuing year and estimated planned capital expenditure accordingly.

4.6.4. The other aspect is the expansion and development of State electricity market. The accelerated development of electricity markets are underway calls for requirement of SLDC infrastructure. The SLDC capacity is largely depends upon the number of participants, capacity handled, size of electricity network and number of generating station and substation modelled for monitoring and control covers off line service cost. The present government has launched a series of attracting policies for new generation, transmission companies and other small captive/hydro generations/renewable energy generation. A number of forthcoming projects are going to be added in state for which SLDC has to strengthen towards its commitment.

4.6.5. The other activities outlined in the CAPEX plan address the responsibilities and commitment of SLDC towards new industry structure including needed evolution of State electricity market. This covers a huge amount of

investment because SLDC has to make a transition from existing dependencies and redefine existing services to revised electricity market.

- 4.6.6. While redefining the existing services and development of SLDC, it brings uncertainties over current and potential future regarding new capacity initiatives because the planning capacity and schedules is changing over a period of time. The additional resources needed to identify specifically while formulating CAPEX plan to address these uncertainties. The SLDC anticipate that significant support is required for successful transition for SLDC to new structure.

Uncertainties in projecting Capex Plan

- 4.6.7. The change in existing network and addition of generating plant in the State Grid has an impact on operational changes of grid. Sometimes such changes may create operational constraints to SLDC/Sub-LDCs/other grid users which may not anticipated by SLDC. Such impacts are to be addressed by SLDC, which calls for effective consultation process with stakeholders for their input and change in rules, which are to be facilitated by SLDC as an independent power system operator. Therefore, the change in procedure requires huge involvement and initiatives of SLDC and managed through formulation of Review Panel (Grid Code Review Panel) as mandated by GERC. Such unanticipated changes bring uncertainties over a planning of CAPEX for future years.
- 4.6.8. Policy changes/development in electricity market is continuing such as introduction of spot price market, power exchange operation, change in grid code etc. The changes in policy over a control period will reinforce the need of SLDC for efficient operation and reliable power system. The such unanticipated changes creates a need to evolve CAPEX plan to meet requirement arise for efficient grid operation. It brings further uncertainties over a CAPEX plan based on existing policy framework and calls for continuous evaluation.
- 4.6.9. Whenever disturbance occurs in the system triggered by number of failures at various level from within Gujarat power system or outside Gujarat Power System, it enlighten issues related with what is needed to improve procedures and practices as a remedial measures across industry. It may result into suggestion for strengthening of SLDC/RLDC like upgrading standards for electricity system reliability, communication infrastructures, tools/facilities/training and technology requirement to prevent all such failures in future. The SLDC has to comply all such requirement and cost associated with such compliance may change cost equation of budgeted plan because of unpredictable needs which brings uncertainties over CAPEX planning process.

4.7. CAPITAL SPENDING DURING CONTROL PERIOD

Expenditure related with separation of SLDC

- 4.7.1. The transition to independent SLDC, requires separation of assets and liability from PGCIL (for ULD&C project) and from GETCO (existing infrastructure and communication equipments). The payment or fund required for funding such assets by making one-time payment to parent organization covered into capital plan and such payment is planned for next

years as separation is to be done by SLDC as per time line set by GOI. The expenditure related with separation of assets will be determined as per transfer scheme determined. Task Force is created by Ministry of Power to look into the capital expenditure separation and financial aspects of SLDC. Capital expenditure related with past CAPEX will be determined based on report of Task Force.

System Improvement

- 4.7.2. System improvements represent both functional improvement to existing systems (e.g. Energy Management System) and upgrades to systems/software. Large portions of the existing systems are planned for upgrade or replacement over the planning period. Current applications require up-gradation or replacement to allow for continued functioning with new hardware and to allow for continued support from vendors. The section mainly includes up-gradation of Energy Reporting System, Outage Management System, Data Pooling System, Commercial & Accounting System, Energy Accounting Software, Strengthening of Commerce and Billing Centre and Website Improvement & Up-gradation.

Additional System / Software Planning

- 4.7.3. Additional System/Software Planning represents requirement of softwares for existing system running with old version of software. The large portion of existing software is planned to be upgraded with additional procurement for evolving need of SLDC. The main areas for system / software additions are Centralized database storage system, Simulator for offline study system tools, Remote access system, e-Bidding & electronic Cash Transfer system, Reporting tools, procurement of new application softwares.

IT Applications & Infrastructure

- 4.7.4. IT Infrastructure represents capital initiatives directed at maintaining and, as necessary, enhancing the overall technology backbone of SLDC. The most systems within the SLDC, most of the IT infrastructure has been in service for a number of years, in many instances dating back to 2003 or earlier which was shifted from LD Jambuva to SLDC Gotri. Therefore, investment in the SLDCs infrastructure in the area of IT applications & infrastructure is necessary to reasonably ensure the information backbone of SLDC remains effective, reliable, and efficient. In this regard SLDC is looking forward to strengthen its IT Security System, upgrading the current Network System and establishing a Video Conferencing System between SLDC and RLDC.

Other Capital Projects

- 4.7.5. Other capital projects represent physical infrastructure activities, such as corporate office, staff quarters and infrastructure and facilities to be developed for SLDC staff. It also covers new additions in the office equipments to keep SLDC updated and efficient.

4.8. FUNDING OF CAPEX

- 4.8.1. The Capitalization has been considered to be same as capital expenditure as all the capital expenditure is projected to be capitalized in the same year. The Capitalization is assumed to be funded on normative basis through the means of debt and equity with the debt equity ratio of 70:30 on normative

basis as per as per GERC Multi-Year Tariff Regulations, 2016. Accordingly, the funding for Capex for the given control period is shown as follows:

TABLE 30 : FUNDING OF CAPEX FOR FY 2016-17 TO FY 2020-21

Sr. No.	Particulars	Rs. Crores				
		FY 2016-17	2017-18	2018-19	2019-20	2020-21
1	CAPEX for the Year	903.10	1,099.80	1,077.00	555.00	571.00
2	Capitalization	903.10	1,099.80	1,077.00	555.00	571.00
3	Debt	632.17	769.86	753.90	388.50	399.70
4	Equity	270.93	329.94	323.10	166.50	171.30

4.8.2. The Hon'ble Commission is requested to consider above depicted capital expenditure for the third control period for approval along with the proposed funding mechanism as mentioned above.

4.9. DETAILS OF FIXED COSTS

4.9.1. This section covers the approach followed to compute the fixed cost for the SLDC business for FY 2016-17 to FY 2020-21.

4.9.2. The total Annual Revenue Requirement for FY 2016-17 to FY 2020-21 is projected based on methodologies discussed in detail in subsequent paragraphs. Total fixed cost has been bifurcated into following elements:

- Operation & Maintenance expenses
- Depreciation
- Interest and Financing Charges
- Return on Equity
- Interest on working capital
- ULD&C charges
- RLDC charges

4.9.3. Net Annual Revenue Requirement has been computed with addition of Provision for tax and after deduction of non-tariff income of SLDC.

4.10. OPERATION & MAINTENANCE EXPENSES

4.10.1. Operation & Maintenance expenses have been calculated in line with provisions mentioned in the GERC Multi-year tariff Regulations, 2016. The relevant extracts of the regulations is mentioned as below:

Clause 79.4: a) The Operation and Maintenance expenses including insurance shall be derived on the basis of the average of the actual Operation and Maintenance expenses for the three (3) years ending March 31, 2015, subject to prudence check by the Commission.

b) The average of such operation and maintenance expenses including insurance shall be considered as operation and maintenance expenses for the financial year ended March 31, 2014 and shall be escalated year on year at the escalation factor of 5.72% to arrive at operation and maintenance expenses for subsequent years up to FY 2020-21.

4.10.2. The Employee cost, Repair & Maintenance, Administration & General Charges under the overall head of O&M Expenses have been derived on the

basis of the average of the actual of O&M expenses for three years ending March 31st 2015.

TABLE 31: AVERAGE OPERATION & MAINTENANCE FOR FY 2012-13 TO FY 2014-15

Rs. Lacs					
Sr. No.	Particulars	2012-13	2013-14	2014-15	Average
1	Employee Cost	961.66	992.12	1,051.11	1,001.63
2	Repair & Maintenance	40.55	52.39	79.27	57.40
3	Administration & General Charges	182.55	207.35	214.67	201.52
4	Operation & Maintenance Expenses	1,184.76	1,251.86	1,345.05	1,260.56

4.10.3. For employee expenses projections, the 7th Pay commissions' impact has also been considered. As per SLDC estimates, additional expense to the tune of Rs 259.88 Lacs in FY 2016-17 would be needed to address the 7th pay commission impact. This additional cost to SLDC on account of 7th pay Commission has been included in the employee cost for FY 2016-17.

TABLE 32: OPERATION & MAINTENANCE FOR THE PERIOD 2016-17 TO 2020-21

Rs. Lacs						
Sr. No.	Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
1	Employee Cost	1,443.41	1,525.97	1,613.26	1,705.53	1,803.09
2	Repair & Maintenance	67.83	71.71	75.81	80.15	84.73
3	Administration & General Charges	238.12	251.74	266.14	281.36	297.46
4	Operation & Maintenance Expenses	1,749.36	1,849.42	1,955.21	2,067.04	2,185.28

4.10.4. Commission is hereby requested to approve the O&M expenses for the control period FY 2016-17 to FY 2020-21.

4.11. DEPRECIATION

4.11.1. The Gross Fixed Assets & Depreciation for the control period has been computed on basis of accounts of FY 2015-16. Depreciation for the year has been calculated considering the GERC norms for various blocks of assets.

TABLE 33: DEPRECIATION FOR THE PERIOD 2016-17 TO 2020-21

Rs. Lacs						
Sr. No.	Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
1	Gross Block in Beginning of the year	1805.18	2708.28	3808.08	4885.08	5440.08
2	Additions during the Year (Net)	903.10	1099.80	1077.00	555.00	571.00
3	Closing GFA	2708.28	3808.08	4885.08	5440.08	6011.08
4	Average Asset	2256.73	3258.18	4346.58	5162.58	5725.58
5	Depreciation	254.41	408.29	586.90	572.65	251.68
6	Wt. avg. rate of depreciation	11.27%	12.53%	13.50%	11.09%	4.40%

4.11.2. Depreciation has been computed asset category wise based on additions under various heads such as P&M, Communication, IT, Software etc. using the rates as per the depreciation schedule, Annexure-1 of GERC MYT Regulations, 2016.

4.12. INTEREST & FINANCE CHARGES

4.12.1. The funding for new capital expenditure in the control period has been assumed to be undertaken at a normative debt: equity ratio of 70:30 in

accordance with the GERC Multi-Year Tariff Regulations, 2016 and accordingly the new loan additions during the year has been estimated.

4.12.2. Weighted average rate of interest has been considered for the computation of Interest on Loans. For existing loans, the Interest rate is assumed on the basis of estimates of FY 2015-16 and for new loan additions, interest rate of 9.65% has been considered in line with the present market scenario.

4.12.3. As stated in the GERC Multi-Year Tariff Regulations, 2016, repayment shall be considered as equivalent to depreciation for the year. The relevant extracts of the regulations is produced as under:

“The repayment for the year during the Control Period from FY 2016-17 to FY 2020-21 shall be deemed to be equal to the depreciation allowed for that year.”

“Notwithstanding any moratorium period availed by the Generating Company or the Transmission Licensee or SLDC or the Distribution Licensee, as the case may be, the repayment of loan shall be considered from the first year of commercial operation of the project and shall be equal to the annual depreciation allowed.”

4.12.4. The Interest and Finance Charges for third control period FY 2016-17 to FY 2020-21 under MYT has been tabulated below.

TABLE 34: INTEREST & FINANCE CHARGES FOR THE PERIOD FY 2016-17 TO FY 2020-21

Rs. Lacs						
Sr. No.	Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
1	Opening Loans	1,137.26	1,515.02	1,876.59	2,043.59	1,859.44
2	Loan Additions	632.17	769.86	753.90	388.50	399.70
3	Repayment during the Year	254.41	408.29	586.90	572.65	251.68
4	Closing Loans	1,515.02	1,876.59	2,043.59	1,859.44	2,007.46
5	Average Loans	1,326.14	1,695.81	1,960.09	1,951.52	1,933.45
6	Interest on Loan	132.83	167.76	192.55	191.16	188.90
7	Other Financial Charges	-	-	-	-	-
8	Total Interest & Financial Charges	132.83	167.76	192.55	191.16	188.90
	Weighted Average Rate of Loan	10.02%	9.89%	9.82%	9.80%	9.77%

4.12.5. It is hereby requested to the Hon'ble Commission to approve the Interest & Finance charges for the control period FY 2016-17 to 2020-21

4.13. RETURN ON EQUITY

4.13.1. The funding for new capital expenditure in the control period has been assumed to be undertaken at a normative debt: equity ratio of 70:30 in accordance with the GERC Multi-Year Tariff Regulations, 2016 and accordingly the new equity additions during the year has been estimated.

TABLE 35: RETURN ON EQUITY FOR THE PERIOD 2016-17 TO 2020-21

Sr. No.	Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
1	Opening Equity Capital	667.92	938.85	1268.79	1591.89	1758.39
2	Equity Additions during the Year	270.93	329.94	323.10	166.50	171.30
3	Closing Equity	938.85	1268.79	1591.89	1758.39	1929.69
4	Average Equity	803.39	1103.82	1430.34	1675.14	1844.04

Sr. No.	Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
5	Rate of Return on the Equity	14%	14%	14%	14%	14%
6	Return on Equity	112.47	154.53	200.25	234.52	258.17

4.14. INTEREST ON WORKING CAPITAL

4.14.1. The interest on working capital is worked out on normative basis and is based on norms specified under the GERC Multi-year tariff Regulations, 2016 issued by the Hon. Commission. The relevant provision for Interest on working capital is provided as under:

*Clause 40.3: (i) Operation and maintenance expenses for one month; plus
(ii) Maintenance spares at one (1) per cent of the historical cost; plus
(iii) Receivables equivalent to 15 days of the expected revenue from SLDC Charges;*

4.14.2. Interest rate for computation of working capital has been considered in line with the Draft GERC (Multi-year tariff) (First amendment) regulation, 2016 dated 31st Aug'16. The relevant provision for consideration of interest rates is provided as under:

“40.1 (d)

Interest on working capital shall be allowed at a rate equal to the State Bank Base Rate (SBBR) / 1 year State Bank of India (SBI) Marginal Cost of Funds Based Lending Rate (MCLR) / any replacement thereof by SBI for the time being in effect applicable for 1 year period, as may be applicable as on 1st April of the financial year in which the Petition is filed plus 250 basis points “

4.14.3. Therefore, the interest rate for MYT period has been determined as 11.70% as per the above mentioned provisions.

TABLE 36: INTEREST ON WORKING CAPITAL FOR THE PERIOD FY 2016-17 TO FY 2020-21

Sr. No.	Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
1	O & M expenses	145.78	154.12	162.93	172.25	182.11
2	Maintenance Spares	18.05	27.08	38.08	48.85	54.40
3	Receivables	73.88	88.04	103.25	109.09	101.94
4	Total Working Capital	237.71	269.24	304.26	330.19	338.45
5	Rate of Interest on Working Capital	11.70%	11.70%	11.70%	11.70%	11.70%
6	Interest on Working Capital	27.81	31.50	35.60	38.63	39.60

4.15. ULDC & OTHER RELATED CHARGES

4.15.1. Existing SCADA/EMS software has been installed and commissioned since 2004 and now it is necessary to upgrade/expansion of the existing SCADA system software with advanced technology. As the hardware are at end of life cycle and needs to be up-gradation/replacement, it was decided in 16th WRPC meeting to phased out the existing ULDC system at the end of 5 year LTSA (i.e. by date 14th Oct. 2014). Also the new and old ULDC would operate in parallel for a year so as to evaluate the new system for its stability and reliability. A paradigm shift is expected in the SCADA/EMS system methodology as new regulations like WIND Generation forecasting, REC mechanism, POC charges, incorporation of WIND/SOLAR generation, increase in Open Access Users are SLDC's forthcoming challenges. Hence, this may lead to expansion/up-gradation SCADA/EMS system with high

standard in terms of latest technology, handling large volume of data storage, its processing for various reports, high speed data retrieval, high accuracy and elevated security, etc. Keeping the ULDC philosophy, on request of constituents of Western Region, WRLDC has proposed the up-gradation/replacement of existing SCADA/EMS system. With the increased complexity of grid and advancement of IT system it is utmost necessary to adopt the latest available software/hardware for the SCADA system.

4.15.2. As on Oct'15, the contract for old SCADA system (GE) has concluded & SLDC is proposing to replace with new SCADA system.

TABLE 37: ULD&C & OTHER RELATED CHARGES PERIOD 2016-17 TO 2020-21

Particulars	Rs. Lacs				
	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
New SCADA					
Supply of New SCADA	144.91	144.91	144.91	144.91	144.91
Service Charges for Supply of New SCADA	7.95	7.95	7.95	7.95	7.95
Annual Maintenance					
Proposed Maintenance charges	41.61	41.61	41.61	41.61	41.61
Communication					
Proposed Communication Charges	291.58	291.58	291.58	291.58	291.58
Charges for ULD & C & Other related Projects	486.05	486.05	486.05	486.05	486.05

4.16. RLDC/WRPC CHARGES

4.16.1. As per Section 32(2) of EA 2003, SLDC is required to exercise supervision and control of intra-State transmission system, to co-ordinate with RLDC. SLDC has to ensure compliance of the directions issued by RLDC as per Section 29 (3) of EA 2003. Hence, fees and charges pertaining to RLDC related activities would be considered in the SLDC Budget. This would be recovered by WRPC/RLDC fees and charges as may be specified by the Commission or Secretariat of Western Region Power Committee from time to time.

4.16.2. As decided in 7th WRPC meeting dated 15th May'2008, WRPC gave their approval for total annual expenditure of WRPC secretariat. It was agreed that the same will be equally shared by each WRPC member and reimburse expenditure of WRPC secretariat. SLDC-Gujarat is member of WRPC participating from Gujarat. Hence expenditure of WRPC secretariat charges is to paid by SLDC-Gujarat.

4.16.3. Accordingly, SLDC-Gujarat has to share charges of WRLDC/WRPC for the specified control period. The RLDC charges for the control period 2016-17 to 2020-21 have been computed by taking an escalation of 10% on the RLDC Charges for FY 15-16 based on the audited accounts.

TABLE 38: RLDC/WRPC CHARGES FOR THE PERIOD 2016-17 TO 2020-21

Particulars	Rs. Lacs				
	2016-17	2017-18	2018-19	2019-20	2020-21
RLDC Fees / WRPC Charges	10.76	11.83	13.02	14.32	15.75

4.16.4. It is requested to the Hon'ble Commission to approve the RLDC charges for the control period FY 2016-17 to FY 2020-21.

4.17. PROVISION FOR TAX

4.17.1. Tax on income has to be considered as per the latest audited figures in line with the provisions of GERC Multi-Year Tariff Regulations, 2016. The relevant extracts of the regulation is provided as under:

“The Commission in its MYT Order shall provisionally approve Income Tax payable for each year of the Control Period, if any, based on the actual income tax paid, including cess and surcharge on the same, if any, as per latest Audited Accounts available for the Applicant, subject to prudence check”

4.17.2. However, as per the Annual Accounts, the tax expense incurred by SLDC in the FY 2015-16 is nil. Therefore, SLDC has projected the tax for the third control period FY 2016-17 to FY 2020-21 by considering the RoE and existing MAT rate of 21.342%.

4.17.3. SLDC humbly request the Hon'ble Commission to allow above taxes to be recovered from the beneficiaries as mentioned below:

TABLE 39: TAX FOR THE PERIOD 2016-17 TO 2020-21

Sr. No.	Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
1	Return on Equity	112.47	154.53	200.25	234.52	258.17
2	MAT	21.34%	21.34%	21.34%	21.34%	21.34%
3	Provision for Tax	24.00	32.98	42.74	50.05	55.10

4.18. NON-TARIFF INCOME

4.18.1. SLDC is collecting scheduling charges, application charges from various short term open access users. Such revenue collection by SLDC-Gujarat is to be accounted as revenue from other sources. Hence, it is appropriate to consider scheduling charges, application charges collected from short term open access users as revenue from other sources.

4.18.2. SLDC has projected non-tariff income for the third control period FY 2016-17 to 2020-21 of Rs 1,000 Lacs taking into account the non-tariff income earned during the FY 2015-16. The non-tariff income projections are as below:

TABLE 40: NON-TARIFF INCOME FOR THE PERIOD 2016-17 TO 2020-21

Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
Non-tariff income	1,000	1,000	1,000	1,000	1,000

Rs. Lacs

4.18.3. It is requested to the Hon'ble Commission to approve the Non-tariff income for the control period FY 2016-17 to FY 2020-21.

4.19. TOTAL AGGREGATE REVENUE REQUIREMENT

4.19.1. Based on the above methodology, the annual revenue requirement for the control period for FY 2016-17 to FY 2020-21 is calculated as below.

4.19.2. SLDC requests Honourable Commission to approve the Net SLDC operating and capital charges for the control period as proposed in table below. These

charges shall then be recovered from the existing grid users as per the recovery mechanism mentioned hereunder this application.

TABLE 41: AGGREGATE REVENUE REQUIREMENT FOR FY 2016-17 TO FY 2020-21

						Rs. Lacs
Sr. No.	Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
1	Operation & Maintenance Expenses	1,749.36	1,849.42	1,955.21	2,067.04	2,185.28
1.1	Employee Cost	1,443.41	1,525.97	1,613.26	1,705.53	1,803.09
1.2	Repair & Maintenance	67.83	71.71	75.81	80.15	84.73
1.3	Administration & General Charges	238.12	251.74	266.14	281.36	297.46
2	Interest on Working Capital	27.81	31.50	35.60	38.63	39.60
3	RLDC Fees & charges	10.76	11.83	13.02	14.32	15.75
4	Charges for ULDC & Other related Projects	486.05	486.05	486.05	486.05	486.05
5	Less: Other Income	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
6	Operating Cost Budget (a)	1,273.97	1,378.80	1,489.87	1,606.04	1,726.68
7	Depreciation	254.41	408.29	586.90	572.65	251.68
8	Interest & Finance Charges	132.83	167.76	192.55	191.16	188.90
9	Return on Equity	112.47	154.53	200.25	234.52	258.17
10	Total Fixed Costs	499.71	730.59	979.69	998.33	698.74
11	Less: Expenses Capitalized	-	-	-	-	-
12	Add Provision for Tax / Tax Paid	24.00	32.98	42.74	50.05	55.10
13	Capital Cost budget (b)	523.72	763.57	1,022.43	1,048.38	753.84
14	Total revenue Requirement (a+b)	1,797.69	2,142.37	2,512.30	2,654.43	2,480.52

4.19.3. In addition, SLDC shall continue to collect scheduling & system operating charges from Open Access users and any other charges as per prevailing regulations which are not proposed to be changed are not specifically brought out in the present petition. Further, any additional/new taxes, levies, duties, cess, filing fees or any other kind of imposition(s) charged by any Government(s) shall be recovered from beneficiaries.

4.19.4. Post formation of SLDC as a separate Company, there are enabling provisions to create LDC development fund as stated in the GERC Multi-Year Tariff Regulations, 2016. The relevant extracts of the regulation is produced as under:

“The Commission may permit SLDC to create and maintain a separate development fund for such purposes and from such sources of income, as the Commission may consider appropriate, on a Petition filed by SLDC, once SLDC is formed as a separate independent Company”

4.20. PRINCIPLES FOR “RECOVERY AND LEVY OF CHARGES BY SLDC

4.20.1. Section 32(3) of the Electricity Act, 2003 provides for levy and collection of such fees and charges from the generating companies and licensees engaged in the intra-state transmission of electricity as may be specified by the State Commission reproduced as under:

“(3) The State Load Dispatch Centre may levy and collect such fee and charges from the generating companies and licensees engaged in intra-State transmission of electricity as may be specified by the State Commission.”

As per clause 81 of Chapter 6 of GERC MYT regulations 2016, expenses incurred by the SLDC related with the discharge of its functions as specified in Section 32 of the Electricity Act shall be recovered from the Generating Companies, the Licensees and MTOA beneficiaries through Charges.

4.20.2. In accordance with the aforesaid regulation, SLDC proposes ‘principles’ for levy and recovery of ‘SLDC Fees and Charges’ to meet with the revenue requirements of SLDC as under :

- A. Registration or Connection Fees: Corresponding to clause 83 of Chapter 6 of GERC MYT regulations, 2016 and as per Grid Connection procedure proposed by SLDC.
- B. Annual SLDC Fees & Charges – Corresponding to proposed annual revenue budget to be incurred during ‘specified control period’ to be payable by generating companies and distribution licensees.

4.20.3. The billing and collection of SLDC Charges shall be carried out as per the Clause 82 of GERC Multi-Year Tariff Regulations, 2016.

4.21. PROPOSED ARR FOR SLDC FOR FY 2016-17 TO FY 2020-21

4.21.1. The Applicant proposes the ARR during the control period as follows:

TABLE 42: PROPOSED ARR FOR FY 2016-17 TO FY 2020-21

						Rs. Lacs
Sr. No.	Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
1	Operation & Maintenance Expenses	1,749.36	1,849.42	1,955.21	2,067.04	2,185.28
1.1	Employee Cost	1,443.41	1,525.97	1,613.26	1,705.53	1,803.09
1.2	Repair & Maintenance	67.83	71.71	75.81	80.15	84.73
1.3	A&G Charges	238.12	251.74	266.14	281.36	297.46
2	Interest on Working Capital	27.81	31.50	35.60	38.63	39.60
3	RLDC Fees & charges	10.76	11.83	13.02	14.32	15.75
4	ULDC charges & Other Projects	486.05	486.05	486.05	486.05	486.05
5	Less: Other Income	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
6	Operating Cost Budget (a)	1,273.97	1,378.80	1,489.87	1,606.04	1,726.68
7	Depreciation	254.41	408.29	586.90	572.65	251.68
8	Interest & Finance Charges	132.83	167.76	192.55	191.16	188.90
9	Return on Equity	112.47	154.53	200.25	234.52	258.17
10	Total Fixed Costs	499.71	730.59	979.69	998.33	698.74
11	Less: Expenses Capitalized	-	-	-	-	-
12	Add Provision for Tax	24.00	32.98	42.74	50.05	55.10
13	Capital Cost budget (b)	523.72	763.57	1,022.43	1,048.38	753.84
14	Total revenue Budget (a+b)	1,797.69	2,142.37	2,512.30	2,654.43	2,480.52

4.21.2. It is hereby requested to the Hon'ble commission to approve the above mentioned ARR of SLDC for the control period FY 2016-17 to FY 2020-21.

SECTION 5. DETERMINATION OF FINAL ARR FOR FY 2016-17 AND SLDC CHARGES FOR FY 2017-18

5.1. FINAL ARR FOR FY 2016-17

5.1.1. As per GERC MYT Regulations, 2016, SLDC shall determine final ARR for FY 2016-17 & determination of tariff for FY 2017-18. The relevant provision in the Regulations is reproduced as below:

17.2: The filing for the Control Period under these Regulations shall be as under:

a) MYT Petition shall comprise of:

(iv) Application for determination of final ARR for FY 2016-17 and determination of tariff for FY 2017-18

5.1.2. In accordance with the aforesaid clause, the final ARR for FY 2016-17 is determined as below:

TABLE 43: AGGREGATE REVENUE REQUIREMENT FOR 2016-17

Sr. No.	Particulars	Rs. Lacs
		FY 2016-17
1	Operation & Maintenance Expenses	1,749.36
1.1	Employee Cost	1,443.41
1.2	Repair & Maintenance	67.83
1.3	Administration & General Charges	238.12
2	Interest on Working Capital	27.81
3	RLDC Fees & charges	10.76
4	Charges for ULDC & Other related Projects	486.05
5	Less: Other Income	1,000.00
6	Operating Cost Budget (a)	1,273.97
7	Depreciation	254.41
8	Interest & Finance Charges	132.83
9	Return on Equity	112.47
10	Total Fixed Costs	499.71
11	Less: Expenses Capitalized	-
12	Add Provision for Tax	24.00
13	Capital Cost budget (b)	523.72
14	Total revenue requirement (a+b)	1,797.69

5.1.3. The SLDC fees & charges after applying revenue surplus of SLDC for FY 2014-15 is as shown below:

TABLE 44: AGGREGATE REVENUE REQUIREMENT FOR 2016-17 AFTER CONSIDERING FY 15 SURPLUS

Sr. No.	Particulars	Rs. Lacs
		FY 2016-17
1	ARR proposed as mentioned above	1,797.69
2	Less Revenue Surplus approved in truing up for FY 2014-15	868.96
3	Total SLDC charges (1-2)	928.73

5.2. SLDC CHARGES FOR FY 2017-18

5.2.1. In accordance with provisions of the GERC MYT Regulations, 2016 as mentioned above, SLDC charges for FY 2017-18 is determined as follows:

TABLE 45: ARR FOR FY 2017-18

		Rs. Lacs
Sr. No.	Particulars	FY 2017-18
1	Operation & Maintenance Expenses	1,849.42
1.1	<i>Employee Cost</i>	1,525.97
1.2	<i>Repair & Maintenance</i>	71.71
1.3	<i>Administration & General Charges</i>	251.74
2	Interest on Working Capital	31.50
3	RLDC Fees & charges	11.83
4	Charges for ULDC & other related projects	486.05
5	Less: Other Income	1,000.00
6	Operating Cost Budget (a)	1,378.80
7	Depreciation	408.29
8	Interest & Finance Charges	167.76
9	Return on Equity	154.53
10	Total Fixed Costs	730.59
11	Less: Expenses Capitalized	-
12	Add: Provision for Tax	32.98
13	Capital Cost Budget (b)	763.57
14	Total Revenue Requirement (a+b)	2,142.37

5.2.2. SLDC has calculated the Charges for FY 2017-18 by ARR for FY 2017-18 as mentioned above & revenue gap for FY 2015-16. The charges of SLDC for FY 2017-18 after applying the revenue gap of FY 2015-16 is as follows;

TABLE 46: CHARGES FOR FY 2017-18

		Rs. Lacs
Sr. No.	Particulars	FY 2017-18
1	ARR approved for 2017-18	2,142.37
2	Add Revenue Gap approved in truing up for FY 2015-16	211.31
3	Total SLDC charges (1+2)	2,353.68
4	Grid Connection Fees (Rupees)	10,000.00

5.2.3. It is hereby requested to the Hon'ble Commission to approve the SLDC Charges and Fees for FY 2017-18 as mentioned above.

SECTION 6. REVISED TRUE-UP GAP/SURPLUS FOR FY 2013-14 TO FY 2014-15

6.1.1. As per Appellate Tribunal of Electricity Order dated 30th Nov 2015 on Appeal no. 33 of 2015 & Order dated 14th March 2016 on Appeal No. 146 of 2015, SLDC has recomputed the revenue gap/(surplus) for the true-up of FY 2013-14 to FY 2014-15 as mentioned in the table below:

TABLE 47: REVISED TRUE UP FOR FY 2013-14

			Rs. Lacs
Sr. No.	Particulars	Approved by GERC in FY 2013-14	Recalculated as per APTEL order
1	Operation & Maintenance Expenses	1,251.86	1,251.86
1.1	Employee Cost	992.12	992.12
1.2	Repair & Maintenance	52.39	52.39
1.3	Administration & General Charges	207.35	207.35
2	Interest on Working Capital	20.50	33.00
3	RLDC Fees & charges	15.84	15.84
4	Charges for ULDC & Other related Projects	1,011.91	1,011.91
5	SCADA upgradation charges	-	-
7	Less: Other Income	2,144.17	80.48*
8	Operating Cost Budget (a)	155.94	2,232.13
9	Depreciation	44.28	44.28
10	Interest & Finance Charges	43.99	43.99
11	Return on Equity	36.12	36.12
12	Total Fixed Costs	124.39	124.39
13	Less: Expenses Capitalized	-	-
14	Add: Provision for Tax	435.77	435.77
15	Capital Cost Budget (b)	560.16	560.16
16	Total Revenue Requirement (a)+(b)	716.10	2,792.29

*Prior period expense of Rs. 10.22 Lacs has been deducted from non-tariff income.

Revised revenue gap/ (surplus) for FY 2013-14

			Rs. Lacs
Sr. No.	Particulars	Approved by GERC in FY 2013-14	Recalculated as per APTEL order
1	ARR for FY 2013-14 after truing up	716.10	2,792.29
2	Revenue from SLDC charges	2332.18	2332.18
3	Revenue Gap / (Surplus) for FY 2013-14	(1,616.08)	460.11

TABLE 48: REVISED TRUE UP FOR FY 2014-15

			Rs. Lacs
Sr. No.	Particulars	Approved by GERC in FY 2014-15	Recalculated as per APTEL order
1	Operation & Maintenance Expenses	1,345.05	1,345.05
1.1	Employee Cost	1,051.11	1,051.11
1.2	Repair & Maintenance	79.27	79.27
1.3	Administration & General Charges	214.67	214.67
2	Interest on Working Capital	24.17	30.89
3	RLDC Fees & charges	10.00	10.00
4	Charges for ULDC & Other related Projects	563.39	563.39
5	SCADA upgradation charges	-	-
7	Less: Other Income	1,524.19	437.69
8	Operating Cost Budget (a)	418.42	1,511.64



Sr. No.	Particulars	Approved by GERC in FY 2014-15	Recalculated as per APTEL order
9	Depreciation	192.56	192.56
10	Interest & Finance Charges	57.66	57.66
11	Return on Equity	57.07	57.07
12	Total Fixed Costs	307.29	307.29
13	Less: Expenses Capitalized	-	-
14	Add: Provision for Tax	321.88	321.88
15	Capital Cost Budget (b)	629.17	629.17
16	Total Revenue Requirement (a)+(b)	1,047.59	2,140.81

Revised revenue gap/ (surplus) for FY 2014-15

Rs. Lacs

Sr. No.	Particulars	Approved by GERC in FY 2014-15	Recalculated as per APTEL order
1	ARR for FY 2014-15 after truing up	1047.59	2,140.81
2	Revenue gap as per APTEL order	306.82	306.82
3	Total ARR for FY 2014-15	1354.41	2,447.63
4	Revenue from SLDC charges	2223.37	2223.37
5	Revenue Gap / (Surplus) for FY 2014-15	(868.96)	224.26

TABLE 49: REVISED REVENUE GAP/ (SURPLUS) FOR FY 2013-14 TO FY 2014-15

Rs. Lacs

Sr. No.	Matter	True-up (Surplus) / Gap or ARR Approved by GERC	Revised (Surplus) / Gap or ARR considering APTEL Order	Difference in Lacs
1	True Up of FY 2013-14 & Tariff Determination of FY 2015-16	(1,616.08)	460.11	2076.19
2	True Up of FY 2014-15 & Tariff Determination of FY 2016-17	(868.96)	224.26	1093.22
3	Revised ARR for FY 2015-16 as per order dated 07.11.2014	2694.10	3,047.09	352.99
Total				3522.04

6.1.1. It is hereby requested to the Hon'ble Commission to approve & pass through the difference of Rs. 3522.04 Lacs to SLDC in the Tariff of FY 2017-18 calculated as per APTEL order dated 30th Nov 2015 on Appeal no. 33 of 2015 and order dated 14th March 2016 on Appeal No. 146 of 2015.

Note:

The difference amount of Rs. 3522.04 Lacs as mentioned above is as estimated by SLDC. However, the Commission shall review & pass appropriate relief in line with the APTEL order dated 30th Nov 2015 on Appeal no. 33 of 2015 and order dated 14th March 2016 on Appeal No. 146 of 2015.



SECTION 7. PRAYER

SLDC respectfully prays to the Hon'ble Commission;

1. To admit this petition for True Up of FY 2015-16, Multi-Year Aggregate Revenue Requirement for FY 2016-17 to FY 2020-21, Determination of Final ARR for FY 2016-17 and Determination of SLDC Fees & Charges for FY 2017-18.
2. To approve True Up for FY 2015-16 per GERC (Levy and Collection of Fees and Charges by SLDC) Regulations, 2005.
3. To approve Multi-Year Aggregate Revenue Requirement for FY 2016-17 to FY 2020-21
4. To approve Final ARR for FY 2016-17
5. To approve SLDC Fees and charges for FY 2017-18.
6. To implement the Appellate Tribunal of Electricity Order dated 14th March 2016 on Appeal No. 146 of 2015 and allow consequential recovery of additional cost in FY 2017-18.
7. To approve the additional amount of Rs. 3522.04 Lacs estimated by SLDC as per APTEL order dated 30th Nov 2015 on Appeal no. 33 of 2015 & order dated 14th March 2016 on Appeal No. 146 of 2015 in the FY 2017-18.
8. To accept the figures in Rupees Lakhs, as the figures of SLDC are comparatively smaller than other entities
9. To grant any other relief as the Hon'ble Commission may consider appropriate.
10. The Petitioner craves leave of the Hon'ble Commission to allow further submissions, addition and alteration to this Petition as may be necessary from time to time.
11. Pass any other Order as the Hon'ble Commission may deem fit and appropriate under the circumstances of the case and in the interest of justice.

Declaration that the subject matter of the application has not been raised by the applicants before any other competent forum, and that no other competent forum is currently seized of the matter or has passed any Orders in relation thereto.

Applicant

GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED

Vadodara

DATED: 29th November, 2016



AFFIDAVIT VERIFYING THE PETITION

I, Bhadresh Bachubhai Mehta son of Shri Bachubhai Mehta aged 54 residing at A-9, Gajanan Park Society, near Sai Chokwadi, GIDC Road, Manjalpur, Vadodara – 390011 do solemnly affirm and say as follows:

I am the Chief Engineer of State Load Despatch Centre, the applicant in the above matter and am duly authorized by the said application to make this affidavit.

The statement made in the petition here in above, true to my knowledge and belief, which I believe them to be true.

Solemnly affirmed at Vadodara on this 29th day of November 2016, that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.

Identified before me

(B. B. Mehta)

Date: 29th November, 2016

Place: Vadodara



SECTION 8. TARIFF FILING FORMS

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 1: SLDC Charges - Summary Sheet

(Rs. Lakh)

Sr. No.	Particulars	Reference	True-Up Year (FY 2015-16)			MYT Control Period					Remarks
			Approved	April-March (Audited)	Deviation	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	
			(a)	(b)	(c) = (b) - (a)	Projected	Projected	Projected	Projected	Projected	
1	Operation & Maintenance Expenses	Form 2	1,399.91	1,644.56		1,749.36	1,849.42	1,955.21	2,067.04	2,185.28	
2	Interest on Working Capital	Form 6	37.94	30.64		27.81	31.50	35.60	38.63	39.60	
3	WRPC/RLDC Fees and charges		18.10	9.78		10.76	11.83	13.02	14.32	15.75	
4	ULDC Charges		820.42	196.51		486.05	486.05	486.05	486.05	486.05	
5	WAM charges		-	-		-	-	-	-	-	
6	SCADA Upgradation		483.00	113.57		-	-	-	-	-	
7	Less: Non Tariff Income	Form 8	108.72	1,179.26		1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	
8	Operating Cost Budget (a)		2,650.65	815.80		1,273.97	1,378.80	1,489.87	1,606.04	1,726.68	
9	Depreciation	Form 4	150.20	259.43		254.41	408.29	586.90	572.65	251.68	
10	Interest & Finance Charges	Form 5	123.46	118.81		132.83	167.76	192.55	191.16	188.90	
11	Return on Equity Capital	Form 7	102.33	95.29		112.47	154.53	200.25	234.52	258.17	
12	Less: Expenses Capitalised		-	-		-	-	-	-	-	
13	Add: Provision for tax		20.45	-		24.00	32.98	42.74	50.05	55.10	
14	Capital Cost Budget (b)		396.44	473.53		523.72	763.57	1,022.43	1,048.38	753.84	
15	Total ARR (a+b)		3,047.09	1,289.33	(1,757.76)	1,797.69	2,142.37	2,512.30	2,654.43	2,480.52	
16	SLDC Charges										

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 2: O&M Expenses- Summary Sheet

(Rs. Lakh)

Sr. No.	Particulars	Reference	True-Up Year (FY 2015-16)			MYT Control Period					Remarks
			Approved	April-March (Audited)	Claimed in True-Up Petition	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	
						Projected	Projected	Projected	Projected	Projected	
1	O&M Expenses	Form 2.1									
1.1	Employee Expenses	Form 2.2	1,136.30	1,157.64	1,157.64	1,443.41	1,525.97	1,613.26	1,705.53	1,803.09	
1.2	R&M Expenses	Form 2.3	47.91	446.80	136.72	67.83	71.71	75.81	80.15	84.73	
1.3	A&G Expenses	Form 2.4	215.70	359.98	350.20	238.12	251.74	266.14	281.36	297.46	
2	Total Operation & Maintenance Expenses		1,399.91	1,964.42	1,644.56	1,749.36	1,849.42	1,955.21	2,067.04	2,185.28	

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 2.1: O&M Expenses for Control Period

(Rs. Lakh)

Sr. No.	Particulars	Approved O&M Expenses			3-Year Average	Normative* FY 2015-16	MYT Control Period									
		FY 2012-13	FY 2013-14	FY 2014-15			FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20		FY 2019-20	
		(a)	(b)	(c)	(d) = [(a)+(b)+(c)]/3	(e)	Normative\$	Projected\$\$	Normative\$	Projected\$\$	Normative\$	Projected\$\$	Normative\$	Projected\$\$	Normative\$	Projected\$\$
1	Employee Expenses#	961.66	992.12	1,051.11	1,001.63	1119.49	1183.53	1,443.41	1251.23	1,525.97	1322.80	1,613.26	1398.46	1,705.53	1478.45	1,803.09
2	A&G Expenses	40.55	52.39	79.27	57.40	64.16	67.83	67.83	71.71	71.71	75.81	75.81	80.15	80.15	84.73	84.73
3	R & M Expenses	182.55	207.35	214.67	201.52	225.24	238.12	238.12	251.74	251.74	266.14	266.14	281.36	281.36	297.46	297.46
4	Total O&M Expenses	1,184.76	1,251.86	1,345.05	1,260.56	1,408.89	1,489.48	1,749.36	1,574.68	1,849.42	1,664.75	1,955.21	1,759.97	2,067.04	1,860.64	2,185.28

7th pay commission impact of Rs. 259.88 Lacs taken additionally in FY 2016-17

Notes:

* Normative O&M expenses for FY 2015-16 to be computed by escalating (d) by 5.72% twice

\$ Normative O&M expenses for each Year of the Control Period to be computed by escalating (e) by 5.72% year on year

\$\$ In case Projected O&M expenses for Control Period are different from Normative O&M expenses, then detailed justification should be provided

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 2.2: Employee Expenses

Expenditure details

(Rs. Lakh)

Sr. No.	Particulars	True-Up Year (FY 2015-16)
		April-March (Audited)
1	Salaries	384.12
2	Dearness allowance & Dearness Pay	383.26
3	Overtime	0.71
4	Other allowances	147.18
5	Medical Expenses Reimbursement	29.88
6	Leave Encashment Expense	80.72
7	Earned leave encashment	4.55
8	Death & accident compensation	0.00
9	Provident Fund Contribution	59.69
10	Gratuity Expense	47.57
11	Staff Welfare Expenses	5.69
12	Other Terminal Benefits	14.27
21	Gross Employee Expenses	1,157.64
22	Less: Expenses Capitalised	0.00
23	Net Employee Expenses	1,157.64

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 2.3: Administration & General Expenses

(Rs. Lakh)

Sr. No.	Particulars	True-Up Year (FY 2015-16)
		April-March (Audited)
1	Rates and Taxes.	0.08
2	Telephone, Postage, Telegram, Telex, Mobile Charges	196.99
3	Legal Charges	21.06
4	Audit Fees	2.67
5	Technical Fees	0.03
6	Other Professional fees and expenses	0.05
7	Conveyance & Travel	44.05
8	Fees & Subscription, Books & Periodicals	0.04
9	Printing & Stationery, Xerox copy Charges	3.04
10	Expenses on Computer Billing & EDP Charges	14.51
11	Advertisements (Other than purchase related)	0.20
12	Electricity Charges	37.03
13	Water Charges	1.17
14	Maintenance to Tree Plantations	0.00
15	Miscellaneous Expenses	37.32
16	Other Purchase Related Expenses	1.08
17	Revenue Stamps on Receipts issued by the Board	0.04
18	Expenditure on Training to Staff	0.62
30	Gross A & G Expenses*	350.20
31	Less: Expenses Capitalised	0.00
32	Net A & G Expenses	350.20

Note

Page 45

* RLDC Charges Negated of Rs. 9.78 Lacs & shown under separate head "RLDC charges"

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 2.4: Repair & Maintenance Expenses

(Rs. Lakh)

Sr. No.	Particulars	True-Up Year (FY 2015-16)
		April-March (Audited)
1	Plant & Machinery	92.30
2	Buildings	5.81
3	Civil Works	32.01
4	Hydraulic Works	
5	Lines & Cable Networks	0.31
6	Vehicles	
7	Furniture & Fixtures	0.54
8	Office Equipment	5.75
9	Others (Pls. specify)	
10	Gross R&M Expenses*	136.72
11	Less: Expenses Capitalised	0.00
12	Net R&M Expenses	136.72

Note:

Page 46

* ULDC charges negated

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 3: Summary of Capital Expenditure and Capitalisation

(Rs. Lakh)

Sr. No.	Particulars	True-Up Year (FY 2015-16)			MYT Control Period					Remarks
		Approved	April-March (Audited)	Difference	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	
		(a)	(b)	(c) = (b) - (a)	Projected	Projected	Projected	Projected	Projected	
1	Capital Expenditure	931.00	36.35	(894.65)	903.10	1,099.80	1,077.00	555.00	571.00	
2	Capitalisation	949.80	36.35	(913.45)	903.10	1,099.80	1,077.00	555.00	571.00	
3	IDC									
4	Capitalisation + IDC									

Note: Detail Justification shall be provided for variation in approved capital expenditure and capitalisation vis-a-vis actual capital expenditure and capitalisation

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 3.1: Capital Expenditure Plan (1 of 2)

Project Details

(Rs. Lakh)

Project Code	Project Title	Project Purpose	Project Start Date			Project Completion date			Cost of the Project		
			Original	Revised	Actual	Original	Revised	Actual	Original	Approved	Difference = Actual - Approved
FY 2016-17											
a) Scheme 1											
b) Scheme 2											
...											
FY 2017-18											
...											
...											
FY 2018-19											
...											
...											
FY 2019-20											
...											
...											
FY 2020-21											
...											
...											
TOTAL											

Form 3.1: Capital Expenditure Plan (2 of 2)

(Rs. Lakh)

Project Details

Particulars	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
	Projected	Projected	Projected	Projected	Projected
Capitalisation	903.10	1,099.80	1,077.00	555.00	571.00
Funding through Debt	632.17	769.86	753.90	388.50	399.70
Funding through Equity	270.93	329.94	323.10	166.50	171.30

		CAPITAL EXPENDITURE				
Project Number	Project Title	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
		Projected	Projected	Projected	Projected	Projected
a) Scheme 1						
b) Scheme 2						
...						
TOTAL						

Financing Plan

(Rs. Crore)

Project Number	SOURCE OF FINANCING FOR CAPITAL EXPENDITURE						
	Internal Accruals	Equity	Debt				Loan Source
			Loan Amount	Interest Rate (% p.a.)	Tenure of Loan (years)	Moratorium Period (years)	
FY 2016-17							
a) Scheme 1							
b) Scheme 2							
...							
FY 2017-18							
...							
...							
FY 2018-19							
...							
...							
FY 2019-20							
...							
...							
FY 2020-21							
...							
...							
TOTAL							

Note : Separate Forms shall be submitted for each Renovation and Modernisation Scheme

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 4: Assets & Depreciation

Fixed Assets and Depreciation For True Up year and each Year of MYT Control Period

(Rs. Lakh)

Particulars *	Gross Block				Depreciation				Applicable rate of Depreciation (%) *	Net Block	
	As at the beginning of the Financial Year	Additions	Deductions	As at the end of the Financial Year	As at the beginning of the Financial Year	Additions	Deductions	As at the end of the Financial Year		As at the beginning of the Financial Year	As at the end of the Financial Year
Land	-	-	-	-	-	-	-	-		-	-
Buildings	212.20	-	-	212.20	55.34	3.08	-	58.42		153.78	156.86
Hydraulic works	3.67	-	-	3.67	1.86	0.31	-	2.17		1.50	1.81
Other Civil Works	29.24	0.63	-	29.87	22.72	0.26	-	22.98		6.89	6.52
Plant & Machinery	422.61	10.11	-	432.72	276.56	28.17	-	304.73		127.99	146.05
Lines & Cables	13.46	-	-	13.46	11.08	1.54	-	12.62		0.85	2.38
Vehicles	-	-	-	-	-	-	-	-		-	-
Furniture & Fixtures	42.71	0.52	-	43.23	27.15	3.33	-	30.48		12.74	15.56
Office Equipments	986.21	25.09	334.47	676.83	170.87	103.68	45.21	229.34		447.48	815.34
Capital Expenditure on Assets not belonging to utility	-	-	-	-	-	-	-	-		-	-
Spare Units											
Capital Spares											
Intangible Assets	58.73	-	(334.47)	393.20	43.48	119.11	(45.21)	207.80		185.40	15.25
TOTAL	1,768.83	36.35	0.00	1,805.18	609.06	259.48	-	868.54		936.63	1,159.76
Total as per Audited Account (for True up year only)	1,768.83	36.35	-	1,805.18		259.43			14.52%		

* The particular of asset and rate of depreciation should match with those provided in the applicable Tariff Regulations

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 5: Interest & Finance Charges / Interest Expenses (1 of 2)

A. Normative Loan

(Rs. Lakh)

Sr. No.	Source of Loan	True-Up Year (FY 2015-16)			MYT Control Period					Remarks
		Tariff Order	April-March (Audited)	Deviation	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	
		(a)	(b)	(c) = (b) - (a)	Projected	Projected	Projected	Projected	Projected	
1	Opening Balance of Normative Loan	887.96	1,075.50		1,137.26	1,515.02	1,876.59	2,043.59	1,859.44	
2	Less: Reduction of Normative Loan due to retirement or replacement of assets									
3	Addition of Normative Loan due to capitalisation during the year	664.86			632.17	769.86	753.90	388.50	399.70	
4	Repayment of Normative loan during the year	150.20	61.76		254.41	408.29	586.90	572.65	251.68	
5	Closing Balance of Normative Loan	1,402.62	1,137.26		1,515.02	1,876.59	2,043.59	1,859.44	2,007.46	
6	Average Balance of Normative Loan	1,145.29	1,106.38		1,326.14	1,695.81	1,960.09	1,951.52	1,933.45	
7	Weighted average Rate of Interest on actual Loans (%)	10.78%	10.22%		10.02%	9.89%	9.82%	9.80%	9.77%	
8	Interest Expenses	123.46	113.07		132.83	167.76	192.55	191.16	188.90	
9	Finance Charges	-	5.74		-	-	-	-	-	
10	Total Interest & Finance Charges	123.46	118.81	(4.65)	132.83	167.76	192.55	191.16	188.90	

Form 5: Interest & Finance Charges / Interest Expenses (2 of 2)

B. Existing Actual Long-term Loans

(Rs. Lakh)

Sr. No.	Source of Loan	Legend	True-Up Year (FY)	MYT Control Period					Remarks	
				April-March (Audited)	FY 2016-17 Projected	FY 2017-18 Projected	FY 2018-19 Projected	FY 2019-20 Projected		FY 2020-21 Projected
				1	Source 1					
1.1	Opening Balance of Loan	A1								
1.2	Addition of Loan during the year	B1								
1.3	Loan Repayment during the year	C1								
1.4	Closing Balance of Loan	D1=A1+B1-C1								
1.5	Average Loan Balance	E1=(A1+D1)/2								
1.6	Applicable Rate of Interest as on 1st April of the Financial Year	F1								
1.7	Interest Amount Paid in Rs. Crore	G1								
2	Source 2									
2.1	Opening Balance of Loan	A2								
2.2	Addition of Loan during the year	B2								
2.3	Loan Repayment during the year	C2								
2.4	Closing Balance of Loan	D2=A2+B2-C2								
2.5	Average Loan Balance	E2=(A2+D2)/2								
2.6	Applicable Rate of Interest as on 1st April of the Financial Year	F2								
2.7	Interest Amount Paid in Rs. Crore	G2								
3	Source 3									
...										
...										
...										
10	Total									
10.1	Opening Balance of Loan = A1+A2+.....	A								
10.2	Addition of Loan during the year = B1+B2+.....	B								
10.3	Loan Repayment during the year = C1+C2+.....	C								
10.4	Closing Balance of Loan	D=A+B-C								
10.5	Average Loan Balance	E=(A+D)/2								
10.6	Total Interest Amount Paid in Rs. Crore (for all the sources) = G1+G2+....	G								
10.7	Effective Wt. Avg. Rate of Interest	H=G/E * 100		Not Applicable						
10.8	Effective Wt. Avg. Rate of Interest	$H = \frac{\sum(A_n * F_n)}{\sum A_n} * 100$	Not Applicable							
9	Gross Interest Expenses									
10	Less: Expenses Capitalised									
11	Net Interest Expenses									

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 6: Interest on Working Capital

A. True up Year (FY 2015-16)

(Rs. Lakh)

Sr. No.	Particulars	Norm	True-Up Year (FY 2015-16)		
			Tariff Order	Audited	True-Up Petition
1	O&M expenses		116.66		137.05
2	Maintenance Spares		18.94		17.69
3	Receivables		112.25		52.99
4	Total Working Capital requirement		247.85		207.72
5	Computation of working capital interest				
6	Interest Rate (%)		14.45%		14.75%
7	Interest on Working Capital		37.94		30.64
8	Actual Working Capital Interest	Not Applicable			

B) MYT Control Period FY 2016-17 to FY 2020-21

(Rs. Lakh)

Sr. No.	Particulars	Norms	MYT Control Period				
			FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
1	O&M expenses		145.78	154.12	162.93	172.25	182.11
2	Maintenance Spares		18.05	27.08	38.08	48.85	54.40
3	Receivables		73.88	88.04	103.25	109.09	101.94
4	Total Working Capital requirement		237.71	269.24	304.26	330.19	338.45
5	Computation of working capital interest						
6	Interest Rate (%)		11.70%	11.70%	11.70%	11.70%	11.70%
7	Interest on Working Capital		27.81	31.50	35.60	38.63	39.60

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 7: Return on Regulatory Equity

(Rs. Lakh)

Sr. No.	Particulars	Legend	True-Up Year (FY 2015-16)			MYT Control Period				
			Norm	Tariff Order	Claimed in Petition	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
						Projected	Projected	Projected	Projected	Projected
1	Regulatory Equity at the beginning of the year	A		588.51	693.33	667.92	938.85	1,268.79	1,591.89	1,758.39
2	Capitalisation during the year	B		949.80	36.35	903.10	1,099.80	1,077.00	555.00	571.00
3	Equity portion of capitalisation during the year	C		284.94	(25.41)	270.93	329.94	323.10	166.50	171.30
4	Reduction in Equity Capital on account of retirement / replacement of assets	D		-	-	-	-	-	-	-
5	Regulatory Equity at the end of the year	E=A+C-D		873.45	667.92	938.85	1,268.79	1,591.89	1,758.39	1,929.69
	Return on Equity Computation									
6	Return on Regulatory Equity at the beginning of the year	F		82.39	97.07	93.51	131.44	177.63	222.86	246.17
7	Return on Regulatory Equity addition during the year	G=(C-D)/2		19.95	(1.78)	18.97	23.10	22.62	11.66	11.99
8	Total Return on Equity			102.33	95.29	112.47	154.53	200.25	234.52	258.17

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 8: Non-tariff Income

(Rs. Lakh)

Sr. No.	Particulars	True-Up Year (FY 2015-16)			MYT Control Period					Remarks
		Norm	Tariff Order	Claimed in Petition	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	
					Projected	Projected	Projected	Projected	Projected	
1	Income from Sale of Scrap									
2	Income from Investments									
3	Interest income on advances to suppliers/contractors			2.01						
4	Income from rental from staff quarters									
5	Income from rental from contractors									
6	System Operation & Scheduling Charges			991.61						
7	Others (Pls. specify)									
	Miscellaneous Receipts			172.71						
	Interest on staff loans & advances			12.93						
	Total			1,179.26	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	

Gujarat State Load Despatch Centre
MYT Petition, True-up Petition Formats - Fees and Charges for SLDC
Form 9: Revenue from Generating Company/TSUs

(Rs. Lakh)

Sr. No.	Particulars	True-Up Year (FY 2015-16)			MYT Control Period*					Remarks		
		Approved	April-March (Audited)	Deviation	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21			
		(a)	(b)	(c) = (b) - (a)	Projected	Projected	Projected	Projected	Projected			
1	Revenue from Annual Fixed Charges	Not Applicable										
1.1	Transmission System User 1											
1.2	Transmission System User 2											
											
2	Income from Short Term Customers											
2.1	Transmission System User 1											
2.2	Transmission System User 2											
											
3	Any other revenue/ Income											
4	Total Revenue				1078.02	1078.02	0.00	1797.69	2142.37	2512.30	2654.43	2480.52

* Total revenue mentioned are standalone revenue for the respective years. Hon'ble Commission shall pass on the appropriate gap/surplus while determining the charges for the respective year.