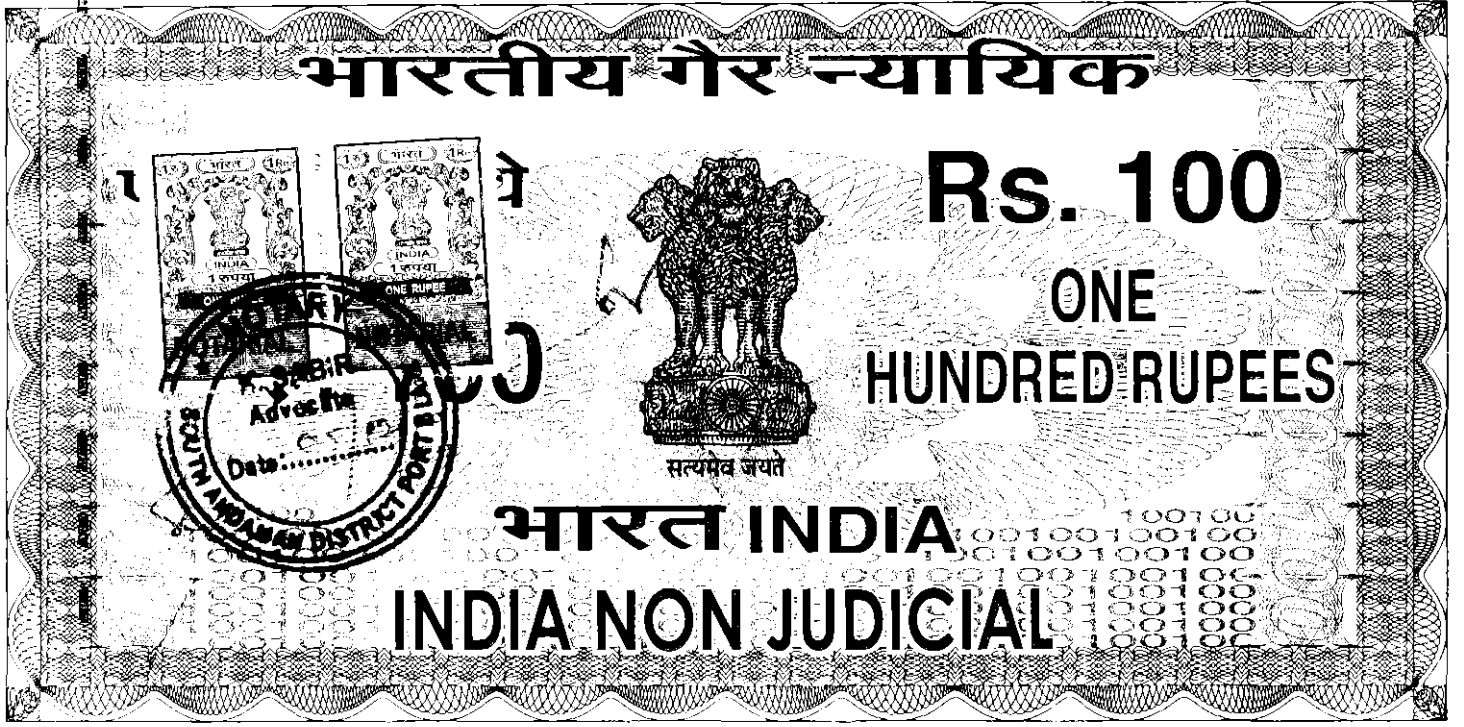


Petition for True-up for the FY 2016-17, APR for the FY 2019-20 and ARR & Tariff Proposal for the FY 2020-21

**Submitted by:
Electricity Department
Andaman & Nicobar Administration
December-2019**



अंडमान और निकोबार (केंद्रशासित प्रदेश)
ANDAMAN & NICOBAR (U.T.)

123036

BEFORE HON'BLE JOINT ELECTRICITY REGULATORY COMMISSION

FOR THE STATE OF GOA & UNION TERRITORIES

FILE No: _____

CASE No: _____

K. Sabir
Advocate & Notary Public
Port Blair

IN THE MATTER OF


Petition for Approval of True-up for the FY 2016-17, APR
for the FY 2019-20 & ARR & Tariff Proposal for the FY
2020-21

AND

IN THE MATTER OF THE
PETITIONER

The Electricity Department, Vidyut Bhawan, Port Blair-
744001, U.T. of Andaman & Nicobar

.....Petitioner


K. Sabir / Superintending Engineer
Electricity Department
Port Blair

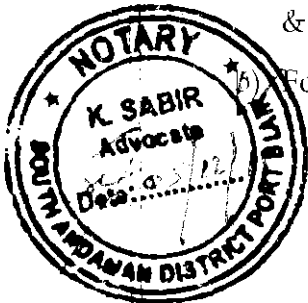
L. B. Ajit Kumar, S/o Late Kenneth Bride, (aged 58 years),(occupation) Government Service residing at Babu Lane, Port Blair, Andaman & Nicobar Islands, the deponent named above do hereby solemnly affirm and state on oath as under:-

1. That the deponent is the Superintending Engineer of Electricity Department of Andaman & Nicobar Administration and is acquainted with the facts deposed to below.
2. I, the deponent named above do hereby verify that the contents of the accompanying petition are based on the records of the Electricity Department, Andaman & Nicobar Administration maintained in the ordinary course of business and believed by them to be true and I believe that no part of it is false and no material has been concealed there from.

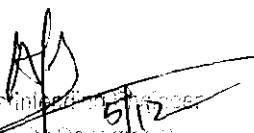
Details of enclosures:

- a) Petition for Approval of True-up for the FY 2016-17, APR for the FY 2019-20 & ARR & Tariff Proposal for the FY 2020-21

Fee for Tariff Petition is being transferred through RTGS.



For The Electricity Department of A&N


Superintendent Engineer
Electricity Department
Port Blair
Petitioner

Place: Port Blair, Andaman & Nicobar,

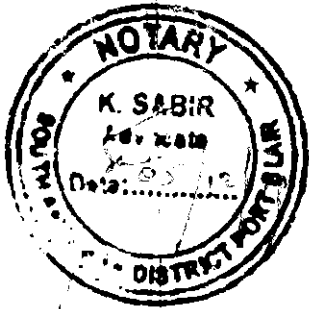
Dated:

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

M. A. Khan
Advocate

M. A. Khan
Advocate

Solemnly affirmed before me on this 05th day of December 2019 at 10 a.m. /p.m. by the deponent who has been identified by the aforesaid Advocate. I have satisfied myself by examining the deponent that he understood the contents of the affidavit which has been read over and explained to him. He has also been explained about section 193 of Indian Penal Code that whoever intentionally gives false evidence in any of the proceedings of the Commission or fabricates evidence for purpose of being used in any of the proceedings shall be liable for punishment as per law.



Affirmed before me after contents were read over & explained in simple

[Signature]

K. Sabir
Advocate & Notary Public
Port Blair

GENERAL HEADINGS OF PROCEEDINGS

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

FILE No: _____

CASE No: _____


IN THE MATTER OF : **Petition for Approval of True-up for the FY 2016-17,
APR for the FY 2019-20 & ARR & Tariff Proposal for
the FY 2020-21.**

AND

IN THE MATTER OF : **The Electricity Department, Vidyut Bhawan, Port
THE PETITIONER Blair-744101, U.T. of Andaman & Nicobar**

.....Petitioner

Electricity Department of Union Territory of Andaman & Nicobar Administration (hereinafter referred to as 'EDA&N'), files Petition for Approval of True-up for the FY 2016-17, APR for the FY 2019-20 & ARR & Tariff Proposal for the FY 2020-21.


सुपरीन्डेंट इंजिनियर / Superintending Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair

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

FILE No: _____

CASE No: _____

IN THE MATTER OF : Petition for Approval of True-up for the FY 2016-17,
APR for the FY 2019-20 & ARR & Tariff Proposal for
the FY 2020-21

AND

IN THE MATTER OF THE : The Electricity Department, Vidyut Bhawan, Port
PETITIONER : Blair-744101, U.T. of Andaman & Nicobar.

.....Petitioner

PETITIONER, UNDER JOINT ELECTRICITY REGULATORY COMMISSION FOR THE STATE OF GOA AND UNION TERRITORIES (MULTI YEAR TARIFF) REGULATIONS, 2018 READ WITH JERC (CONDUCT OF BUSINESS), REGULATIONS, 2009 FILES FOR INITIATION OF PROCEEDINGS BY THE HON'BLE COMMISSION FOR APPROVAL OF PETITION FOR APPROVAL OF TRUE-UP FOR THE FY 2016-17, APR FOR THE FY 2019-20 & ARR & TARIFF PROPOSAL FOR THE FY 2020-21 OF ELECTRICITY DEPARTMENT OF ANDAMAN & NICOBAR ADMINISTRATION (HEREIN AFTER REFERRED TO AS "EDA&N").

THE ELECTRICITY DEPARTMENT OF ANDAMAN & NICOBAR ADMINISTRATION RESPECTFULLY SUBMITS:

1. The Petitioner, The Electricity Department of Andaman & Nicobar Administration has been allowed to function as Distribution Utility for UT of Andaman & Nicobar.
2. Pursuant to the enactment of the Electricity Act, 2003, EDA&N is required to submit its Aggregate Revenue Requirement (ARR) and Tariff Petitions as per procedures outlined in section 61, 62 and 64, of EA 2003, and the governing regulations thereof.
3. The Joint Electricity Regulatory Commission For Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Multi Year Tariff) Regulations, 2018 requires the EDA&N to file True-up for previous year, APR for current year i.e FY 2019-20 & ARR & tariff proposal, for FY 2020-21, which shall comprise but not be limited to detailed category-wise sales and demand, power procurement, capital investment, financing, physical targets, cost components etc..

अध्यापक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair

4. Further, the regulation requires that, based on the approved Business Plan and MYT Petition for Control period FY 2019-20 to FY 2021-22, the forecast of revised Aggregate Revenue Requirement, expected revenue from tariff & proposed tariff is to be submitted
5. EDA&N is submitting its Petition for Approval of True-up for the FY 2016-17, APR for the FY 2019-20 & ARR & Tariff Proposal for the FY 2020-21 to Hon'ble Commission on the basis of the principles outlined in tariff regulations notified by the Joint Electricity Regulatory Commission.
6. EDA&N prays to the Hon'ble Commission to admit the attached Petition for Approval of True-up for the FY 2016-17, APR for the FY 2019-20 & ARR & Tariff Proposal for the FY 2020-21 and would like to submit that:

PRAYERS TO THE HON'BLE COMMISSION:

1. The petition provides, inter-alia, EDA&N's approach for formulating the present petition, the broad basis for projections used, summary of the proposals being made to the Hon'ble Commission, performance of EDA&N in the recent past, and certain issues impacting the performance of EDA&N in the Licensed Area.
2. Broadly, in formulating the Petition for Approval of True-up for the FY 2016-17, APR for the FY 2019-20 & ARR & Tariff Proposal for the FY 2020-21, the principles specified by the Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Multi Year Tariff) Regulations, 2018 ("MYT Regulations") have been considered as the basis.
3. In order to align the thoughts and principles behind the MYT petition and Tariff Proposal, EDA&N respectfully seeks an opportunity to present their case prior to the approval of the business plan. EDA&N believes that such an approach would go a long way towards providing a fair treatment to all the stakeholders and may eliminate the need for a review or clarification.
4. EDA&N may also be permitted to propose suitable changes to the petition and the mechanism of meeting the revenue on further analysis, prior to the final approval by the Hon'ble Commission.

अधीनस्थ अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair

In view of the above, the petitioner respectfully prays that Hon'ble Commission may:

- Approve the True-up for the FY 2016-17, APR for the FY 2019-20 & ARR & Tariff Proposal for the FY 2020-21 for EDA&N formulated in accordance with the guidelines outlined as per the regulation of Joint Electricity Regulatory Commission relating to Distribution Licensee and the principles contained in Tariff Regulations;
- Condone any inadvertent delay/ omissions/ errors/ rounding off differences/shortcomings and EDA&N may please be permitted to add/ change/ modify/ alter the petition;
- Permit EDA&N to file additional data/ information as may be necessary;
- Pass such further and other orders, as the Hon'ble Commission may deem fit and proper, keeping in view the facts and circumstances of the case.

The Electricity Department of Andaman & Nicobar administration

अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair

Petitioner

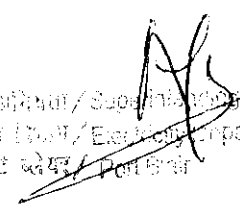
Place: Port Blair, Andaman & Nicobar Islands

Dated:

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Sr. Asst. Engineer / Sr. Asst. Engineer
Electricity Department
P.O. Box / P.O. Box

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 अधीनस्थ अभियंता / Superintending Engineer
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 पोर्ट ब्लेयर / Port Blair


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अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair


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Superintending Engineer
Electricity Department
Port Blair

LIST OF ABBREVIATIONS

Abbreviation	Description
A&G	Administration & General
ARR	Annual Revenue Requirement
CAGR	Compound Annual Growth Rate
CD	Contract Demand
CoS	Cost of Supply
Crs	Crore
D/E	Debt Equity
EDA&N	Electricity Department of Andaman & Nicobar
FY	Financial Year
GFA	Gross Fixed Assets
HT	High Tension
JERC	Joint Electricity Regulatory Commission
KV	Kilovolt
KVA	Kilovolt Amps
kWh	kilo Watt hour
LT	Low Tension
LTC	Leave Travel Concession
MU	Million Units
MVA	Million Volt Amps
MW	Mega Watt
O&M	Operation & Maintenance
PLF	Plant Load Factor
MCLR	Marginal Cost Lending Rate
R&M	Repairs and Maintenance
RoE	Rate of Return
Rs.	Rupees
S/s	Sub Station
SBI	State Bank of India
T&D	Transmission & Distribution
UT	Union Territory
MYT	Multi Year Tariff


 अधीराम अभियंता / Superintending Engineer
 विद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

1. INTRODUCTION

1.1. Historical Perspective

The Department of Electricity of Andaman & Nicobar Administration (“EDA&N”) is responsible for power supply in the union territory. Power requirement of EDA&N is met by own generation station as well as power purchase.

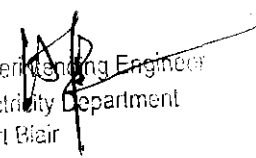
Andaman & Nicobar Islands is cluster of islands scattered in the Bay of Bengal. These islands are truncated from rest of India by more than 1000 kms. The total area of the territory is 8249 sq. kms having population of 3,79,944 as per 2011 Census provisional records & average growth rate is 6.68%. The tempo of economic development has tremendously accelerated along with all-round expansion in the areas/sectors viz. (i) Shipping Services, (ii) Civil Supplies, (iii) Education, (iv) Fisheries, (v) Tourism & Information Technology, (vi) Health, (vii) Industries, (viii) Rural Development, (ix) Social Welfare, (x) Transport, (xi) Increase in District Headquarters (xii) Central Government Department, (xiii) Public Undertaking & other offices, (xiv) Services & Utilities, (xv) Defence Establishment (xvi) Commercial Organizations/Business Centre’s etc. Thus, these islands have reached at the take-off stage of total economic transformation. All these economic and infrastructure developments require power as a vital input & to play a key role for achieving overall transformations.

1.2. Power Scenario

1.2.1. The table below gives an overview of present transmission and distribution infrastructure of EDA&N as of 31.03.19

ELECTRICITY DEPARTMENT AT A GLANCE (2018-19)

Particulars	Length (Kms)
33KV Lines	496.64Km.
11KV Lines	910.00Km.
LT Lines (415 V)	3333.00Km.
Distribution Transformers	980 Nos.
Capacity of Distribution Transformers 33 KV S/S	163.23 MVA
Total Number of Power House (in Nos)	51 Nos.
Peak Demand	60 MW
Present Installed Capacity	118.77 MW
Diesel Capacity	107.47 MW
Hydro Capacity	5.25 MW
Solar Capacity	6.15MW
Departmental Power House	27 Nos
Power House -others	13 Nos
Community Power House	11 Nos
Consumers	133990 Nos



सुपरिन्टेंडिंग इंजीनियर / Superintending Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair

*Petition for Approval of Annual Revenue
Requirement & Tariff Proposal for FY 2020-21*

1.2.2. The key duties being discharged by EDA&N are:

- ❖ Laying and operating of such electric line, sub-station and electrical plant that is primarily maintained for the purpose of distributing electricity in the area of Andaman & Nicobar Islands, notwithstanding that such line, sub-station or electrical plant are high pressure cables or overhead lines or associated with such high-pressure cables or overhead lines; or used incidentally for the purpose of transmitting electricity for others, in accordance with Electricity Act. 2003 or the Rules framed there under.
- ❖ Operating and maintaining sub-stations and dedicated transmission lines connected there with as per the provisions of the Act and the Rules framed there under.
- ❖ Generation of electricity for the supply of electricity required within the boundary of the UT and for the distribution of the same in the most economical and efficient manner;
- ❖ Supplying electricity, as soon as practicable to any person requiring such supply, within its competency to do so under the said Act;
- ❖ Preparing and carrying out schemes for distribution and generally for promoting the use of electricity within the UT.

1.2.3. The present power availability of Andaman & Nicobar Administration is approximately 118.77 MW from various generating stations. The current demand is primarily dependent on the domestic and commercial which contributed approx. 75% to the total sales of EDA&N in FY 18-19.


Superintending Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair

1.3. JERC Formation


In exercise of the powers conferred by the Electricity Act 2003, the Central Government constituted a Joint Electricity Regulatory Commission for all Union Territories to be known as "Joint Electricity Regulatory Commission for Union Territories" as notified on 2nd May 2005. Later with the joining of the State of Goa, the Commission came to be known as "Joint Electricity Regulatory Commission for the State of Goa and Union Territories" as notified on 30th May 2008.

The Hon'ble Commission is a two-member body designated to function as an autonomous authority responsible for regulation of the power sector in the State of Goa and Union Territories of Andaman & Nicobar, Lakshadweep, Chandigarh, Daman & Diu, Dadra Nagar & Haveli and Puducherry. The powers and the functions of the Hon'ble Commission are as prescribed in the Electricity Act 2003. The Head Office of the Commission presently is located in the district town of Gurgaon, Haryana and falls in the National Capital Region.

The Joint Electricity Regulatory Commission for the State of Goa and Union Territories started to function with effect from August 2008 with the objectives and purposes for which the Commission has been established. Presently the Hon'ble Commission is framing various regulations as mandated in the Electricity Act 2003 to facilitate its functioning. Some of the Regulations notified by the Hon'ble Commission include the following:

- JERC Conduct of Business Regulations 2009;
- JERC Establishment of Forum for Redressal of Grievances of Consumers Regulations 2009;
- JERC Appointment and Functioning of Ombudsman Regulations 2009;
- JERC Recruitment, Control and Service Conditions of Officers and Staff Regulations 2009;
- JERC Treatment of other businesses of Transmission Licensees and Distribution Licensees Regulations, 2009.
- JERC State Advisory Committee Regulations, 2009.
- JERC Appointment of Consultants Regulation, 2009.
- JERC Open Access in Transmission and Distribution Regulations, 2009.
- JERC Electricity Supply Code Regulations 2010
 - (a) 1st Amendments
 - (b) 2nd Amendments
 - (c) Corrigendum dt. 6th Jan. 2014
- JERC State Grid Code Regulations 2010
- JERC Electricity Trading Regulations 2010
- JERC Procurement of Renewal Energy Regulations 2010 along with amendments.
- JERC (Distribution Code) Regulations 2010
- JERC (Procedure for filling Appeal before the Appellate Authority) Regulations 2013
- JERC for the State of Goa & UTs (Standard of Performance for Distribution Licensees) Regulation, 2015
- JERC (Solar Power -Grid Connected Ground Mounted and Solar Rooftop and Metering) Regulations, 2015

3/1/2020


In-charge Engineer
Electricity Department

- JERC (Connectivity and Open Access in Intra-State Transmission and Distribution) Regulations, 2017
- JERC for the State of Goa and Union Territories (Multi Year Tariff) Regulations, 2018.


1.4. Multi Year Tariff Regulations, 2018

EDA&N's tariff determination is now governed by "Joint Electricity Regulatory Commission for the State of Goa and Union Territories (Multi Year Tariff) Regulations, 2018" (referred to as "MYT Regulations, 2018") which is applicable from FY 2019-20. The MYT Regulations, 2018 provide a framework for calculating tariffs on a cost-plus basis initially for a period of three years and allow the licensee to recover operational expenses including depreciation, interest on working capital and debt, and return on equity amongst others. The MYT Regulations, 2018 segregate the items impacting tariffs into controllable and uncontrollable factors. Items that are uncontrollable are passed through to the consumers. Further, the MYT Regulations, 2018 identifies the uncontrollable and controllable parameters as follows:

1.4.1. Uncontrollable factors

The "uncontrollable factors" comprises of the following factors:

- a) Force Majeure events;
- b) Change in law, judicial pronouncements and Orders of the Central Government, State Government or Commission;
- c) Variation in the number or mix of Consumers or quantities of electricity supplied to Consumers;
- d) Transmission loss;
- e) Variation in the cost of power purchase due to variation in the rate of power purchase from approved sources, subject to clauses in the power purchase agreement or arrangement approved by the Commission;
- f) Variation in fuel cost;
- g) Change in power purchase mix;
- h) Inflation;
- i) Transmission Charges for a Distribution Licensee;
- j) Variation in market interest rates for long-term loans;
- k) Employee expenses limited to one-time payment owing requirements of a pay commission and terminal liability of employees;
- l) Taxes and Statutory levies;
- m) Taxes on income;
- n) Income from realisation of bad debts written off


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1.4.2. Controllable factors

Controllable factors include, but are not limited to the following:

- a) Variations in capitalisation on account of time and/or cost overruns/ efficiencies in the implementation of a capital expenditure project not attributable to an approved change in scope of such project, change in statutory levies or force majeure events;
- b) Variation in Interest and Finance Charges, Return on Equity, and Depreciation on account of variation in capitalisation, as specified in clause (a) above;
- c) Variations in technical and commercial losses of Distribution Licensee;
- d) Availability of transmission system;
- e) Variations in performance parameters;
- f) Failure to meet the standards specified in the Joint Electricity Regulatory Commission for the State of Goa & UTs (Standard of Performance for Distribution Licensees) Regulation, 2015, as amended from time to time;
- g) Variations in labour productivity;
- h) Variation in Operation & Maintenance expenses, except to the extent of inflation;

1.5. Filing of Petition for Approval of True-up for the FY 2016-17, APR for the FY 2019-20 & ARR & Tariff Proposal for the FY 2020-21

EDA&N is hereby filing the instant petition for approval of True-up for the FY 2016-17 in accordance with the MYT Regulations, 2014 and APR for the FY 2019-20 and ARR & Tariff Proposal for the FY 2020-21 in accordance with the provisions of MYT Regulations, 2018 and based on the parameters approved by the Hon'ble JERC in the Business Plan Order & MYT order for the control period. The petitioner has attempted to comply with the various guidelines in the Act and regulations within the limitations of availability of data.

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विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair

2. True up of FY 2016-17

2.1. Preamble

EDA&N submits that the audit of the accounts has been completed by AG and the audit certificate also issued.


This chapter summarizes each of the components of ARR for FY 2016-17 and thereby working out the revenue gap for the said year.

2.2. Energy Sales

2.2.1. EDA&N submits before the Hon'ble Commission the category wise actual and approved sales for FY 2016-17 in the table below:

Table - 2.1 Category wise sales for the FY 2016-17			
Category	As approved by Commission	As per Audited Accounts	Deviation
Domestic	131.90	129.90	2.00
Commercial	63.69	58.93	4.76
Industrial	15.91	17.98	-2.07
Bulk Supply	30.86	35.63	-4.77
Public Lighting	9.37	8.65	0.72
Irrigation Pumps & Agriculture	0.87	1.04	-0.17
Total	252.60	252.13	0.47

2.2.2. It is requested to the Hon'ble Commission to approve the actual sales as submitted in the above table for FY 2016-17.


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2.3. Number of consumers

2.3.1. EDA&N submits before the Hon'ble Commission, the actual consumer numbers for FY 2016-17 in comparison to the approved numbers as highlighted below:

Table - 2.2 Category wise No. of Consumers for the FY 2016-17			
Category	As approved by Commission	As per Audited Accounts	Deviation
Domestic	106553	107599	-1046
Commercial	18881	18974	-93
Industrial	560	550	10
Bulk Supply	64	64	0
Public Lighting	669	676	-7
Irrigation Pumps & Agriculture	263	321	-58
Total	126990	128183	-1193

It is requested to the Hon'ble Commission to approve the number of consumers as submitted in the above table for FY 2016-17.

2.4. Connected Load

2.4.1. EDA&N submits before the Hon'ble Commission the actual connected Load for FY 2016-17 in comparison to the approved numbers as highlighted below:

Table - 2.3 Category wise connected load approved for the FY 2016-17			
Category	As approved by Commission	As per Audited Accounts	Deviation
Domestic	127783	124671	3112
Commercial	48466	49807	-1341
Industrial	16625	15790	835
Bulk Supply	10785	11605	-820
Public Lighting	2648	2706	-58
Irrigation Pumps & Agriculture	764	891	-127
Total	207071	205470	1601

(Signature)
Asst. Engineer / Superintending Engineer
Electricity Department
Port Blair

Petition for Approval of Annual Revenue Requirement & Tariff Proposal for FY 2020-21

2.4.2. It is requested to the Hon'ble Commission to approve the connected Load as submitted in the above table for FY 2016-17.

2.5. Energy Balance

2.5.1. The Hon'ble Commission approved the T&D loss for the FY 2016-17 as 17.11%. The comparison of energy balance statement and the loss levels based on audited accounts and approved figures are shown in the table below:

Table - 2.4 Energy Requirement for the FY 2016-17			
Energy Balance	As approved by Commission	As per Audited Accounts	Deviation
ENERGY REQUIREMENT			
Energy Sales			
LT Supply	252.60	252.13	0.47
HT Supply			
Total Energy Sales	252.60	252.13	0.47
Overall T & D Losses %	17.11%	17.40%	0.00
Overall T & D Losses (MUs)	52.14	53.11	-0.97
Total Energy Requirement	304.74	305.24	-0.50
Power Purchase	186.62	160.86	25.76
Own Generation	118.46	144.38	-25.92
Total Energy Availability	305.08	305.24	-0.16
ENERGY SURPLUS/(GAP)	-0.34	0.00	-0.34

2.5.2. EDA&N requests the Hon'ble Commission to approve the Distribution Loss as submitted above for FY 2016-17.

Table- 2.5 T&D Loss for the FY 2016-17			
Particulars	As approved by Commission	As per Actual Data	Deviation
T&D Losses	17.11%	17.40%	-0.29%

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2.6. Cost of fuel

2.6.1. The energy requirement of EDA&N is met from own generation & power purchase from the IPPs. There is no availability of power from Central Generating Stations or from other sources/ open market/ power exchanges etc.

2.6.2. EDA&N submits before the Hon'ble Commission, the actual cost of fuel and the approved figures for FY 2016-17 in the table below:

Table - 2.6 Own Generation Fuel Cost for the FY 2016-17				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	As per Audited Accounts	Deviation
1	2	3	4	5
1	Own Generation Cost	122.29	215.76	-93.47
	Total	122.29	215.76	


2.6.3. The Hon'ble Commission is requested to approve the fuel cost as submitted above for FY 2016-17.

2.7. Cost of Power Purchase

2.7.1. EDA&N has also procured power from various IPPs and other generators. The actual power purchase cost for the FY 2016-17 and approved figure is provided below. It is requested that the Hon'ble Commission may kindly consider & approve the same.

Table - 2.7 Power Purchase Expenses for the FY 2016-17				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	As per Audited Accounts	Deviation
1	2	3	4	5
1	Power Purchase Cost	216.72	195.62	21.10
	Total	216.72	195.62	

Asstt. Engineer / Superintendent Engineer
Civil Works / Electricity Department
Old Blair / Port Blair



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2.8. GFA, Capitalisation & Depreciation

2.8.1. GFA: The Opening Balance of GFA, additions and closing balance of GFA for FY 2016-17 as per annual accounts is submitted in the table below:

Table - 2.8 Gross Fixed Asset for FY 2016-17				
SL. No.	Particulars	Opening Assets	Additions	Assets at End
1	2	3	4	5
1	Plant & Machinery	75.11	-	75.11
2	Buildings	28.66	-	28.66
3	Vehicles	0.87	-	0.87
4	Furniture & Fixture	0.27	-	0.27
5	Office Equipment	1.86	-	1.86
6	Land & Land Rights	0.86	-	0.86
	Total	107.64	0.00	107.64

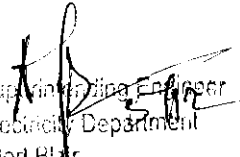
2.8.2. Depreciation: "As per Regulation 23 of JERC Tariff Regulations, depreciation for the assets shall be calculated annually at the rates specified by CERC from time to time. The same have been applied on different asset categories.

2.8.3. EDA&N would like to submit that the depreciation arrived in annual accounts for FY 2016-17 is based on the rates specified by Hon'ble Commission in its Tariff Regulations.

2.8.4. The following table shows the depreciation arrived by EDA&N for FY 2016-17 based on the approved depreciation rates specified by the Hon'ble Commission for different asset class. The same is reflecting in the annual audited accounts for respective years.

Table - 2.8.1 Depreciation for the FY 2016-17				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	As per Audited Accounts	Deviation
1	2	3	4	5
1	Depreciation	9.69	6.16	3.53
	Total	9.69	6.16	

2.8.5. The Hon'ble Commission is requested to approve the actual depreciation for FY 2016-17 as submitted in the table above.


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 बिजली विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

2.9. Operation & Maintenance expenses

2.9.1. Operation & Maintenance Expenses consists of three elements viz. Employee Expenses, A&G Expense and R&M Expense:

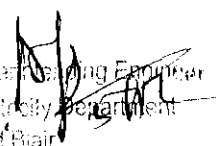
- Employee expenses comprise of salaries, dearness allowance, bonus, terminal benefits in the form of pension & gratuity, leave encashment and staff welfare expenses.
- Administrative expenses mainly comprise of rents, telephone and other communication expenses, professional charges, conveyance and travelling allowances and other debits.
- Repairs and Maintenance Expenses go towards the day to day upkeep of the distribution network of the Company and form an integral part of the Company's efforts towards reliable and quality power supply as well as in the reduction of losses in the system.

2.9.2. Regulation 21 of JERC MYT Regulations, 2014 provides for trajectory of norms for each of the component of O&M Expense viz., Employee Expenses, A&G Expense and R&M Expense. The Hon'ble Commission has approved the O&M expenses for the FY 2016-17 in the MYT order for the control period FY 2016-17 to FY 2018-19. EDA&N has provided the component wise details of approved & actual figures for the FY 2016-17 in the subsequent section.

2.9.3. Employee Expenses

2.9.3.1. EDA&N has computed the O&M (Employee) expense for FY 2016-17 based on the actual employee expenses incurred during the entire year. The actual employee cost along with the approved figure for the FY 2016-17 is given below:

Table - 2.9 Employee Expenses for the FY 2016-17				
				(Rs. In crores)
Sr. No	Particulars	As approved by Commission	As per Audited Accounts	Deviation
1	2	3	4	5
1	Employee Cost	55.46	108.07	-52.61
	Total	55.46	108.07	


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2.9.3.2. EDA&N requests the Hon'ble Commission to kindly approve the actual cost during the year for FY 2016-17 as reflecting in audited annual accounts.

2.9.4. Repair & Maintenance Expenses

2.9.4.1. The actual repairs and maintenance cost as compared with the approved figures for the FY 2016-17 are provided in the table below:

Table-2.10 R&M Expenses for the FY 2016-17				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	As per Audited Accounts	Deviation
1	2	3	4	5
1	Repair & Maintenance Cost	41.31	55.79	-14.48
	Total	41.31	55.79	

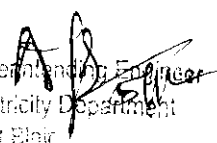
2.9.4.2. EDA&N submit that R&M expenses are necessary for maintenance of infrastructure and for ensuring proper Standards of Performance of the utility. There is a need for R&M expenses to be growing in line with the increase in GFA also. EDA&N therefore requests the Hon'ble Commission to approve the R&M expenses as submitted in the table above for the FY 2016-17.

2.9.5. Administrative & General Expenses

2.9.5.1. The administrative expense mainly comprises of rents, professional charges, office expenses, etc. The expenses incurred by the petitioner for FY 2016-17 are shown in the table below.

Table - 2.11 A&G Expenses for the FY 2016-17				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	As per Audited Accounts	Deviation
1	2	3	4	5
1	Administration & General Expenses	1.75	15.53	-13.78
	Total	1.75	15.53	

2.9.5.2. EDA&N request the Hon'ble Commission to approve the A&G expenses as submitted in the table above for the FY 2016-17.


 अधिकांक अधिकांक / Superintendent Engineer
 अधिकांक अधिकांक / Electricity Department
 अधिकांक अधिकांक / Port Blair

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2.10. Interest & Finance charges

2.10.1. The Regulation 24 of JERC MYT Regulations, 2014 provides for Interest and Finance Charges on Loan. EDA&N has submitted that all the capital assets are created out of the budgetary allocation from the Government of India.

2.10.2. It is submitted that the EDA&N has finalized the Fixed Asset Register up-to FY 2016-17 & the GFA figures have been considered in the audited accounts for the FY 2016-17 as per the Fixed Asset Register. The closing GFA as per the FAR of FY 2016-17 is Rs. 222.07 crores. In the True-up order for the FY 2015-16 Dt. 20th May 2019, Hon'ble Commission has considered GFA of Rs. 130.81 crores & corresponding closing normative loan of Rs. 14.40 crores. There is addition in GFA of Rs. 91.26 crores (Rs.222.07 crores - Rs.130.81 crores) as per the FAR & audited Accounts for the FY 2016-17 as compared to the approved GFA for the FY 2015-16. EDA&N has considered closing normative loan of Rs. 14.40 crores as per True-up for the FY 2015-16 & 70% of GFA addition as above to arrive at the normative loan for the FY 2016-17.

2.10.3. Interest on loan for the FY 2016-17 has been arrived at based on the above normative loan & in-accordance with the MYT Regulations. The table below shows the Interest and Finance Charges vis-a-vis approved by the Hon'ble Commission for FY 2016-17.

Table - 2.12 Interest and Finance Charges for the FY 2016-17				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	As per Audited Accounts	Deviation
1	2	3	4	5
1	Opening Normative Loan/WIP	18.13	78.28	7.04
2	Add: Normative Loan during the year/GFA during the year		0.00	
3	Less: Normative Repayment		9.69	
4	Less: Normative Repayment for the year		6.16	
5	Closing Normative Loan/ GFA		72.12	
6	Average Normative Loan		75.20	
7	Rate of Interest (@ SBI SBAR rate)		0.15	
8	Interest on Normative Loan		11.09	

2.10.4. It is submitted that EDA&N has considered an addition in the Gross Fixed Assets to the extent of assets capitalized for FY 2016-17, which are considered funded through normative debt to the tune of 70% in line with the Tariff Regulations.

2.10.5. The rate of interest considered is prevailing Prime Lending Rate of the State Bank of India as on 1st April of FY 2016-17 i.e 14.75% as approved by the Hon'ble Commission in the Tariff Order Dt. 6th April,2016.

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2.10.6. The Hon'ble Commission is requested to approve the Interest & Finance Charges at as submitted above for FY 2016-17.

2.11. Interest on Working Capital

2.11.1. The Regulation 25 of JERC MYT Regulations, 2014 stipulates the procedure for calculation of Working Capital and Interest on Working Capital as applicable. This is as shown below:

Working capital for retail supply activity of the licensee shall consist of:

- i. Receivables of two months of billing*
- ii. Less power purchase cost of one month*
- iii. Less consumer security deposit but excluding Bank Guarantee/Fixed Deposit Receipt*
- iv. Inventory for two months based on annual requirement for previous year.*

The rate of interest on working capital shall be equal to the base rate for the State Bank of India on the 1st April of the relevant financial year. The interest on working capital shall be payable on normative basis notwithstanding that the licensee has not taken working capital loan from any outside agency or has exceeded the working capital loan worked out on the normative figures.

2.11.2. The rate of interest of 14.75% (SBI PLR) as on 01.04.2016 and as approved by the Hon'ble Commission in the Tariff Order Dt. 6th April, 2016 has been considered for computation of interest on working capital.

2.11.3. The table below shows the Interest on working capital vis-a-vis approved by the Hon'ble Commission for FY 2016-17.

Table - 2.13 Interest on Working Capital for the FY 2016-17				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	FY 2016-17	Deviation
1	2	3	3	
1	Fuel Cost for one months	4.76	17.98	-2.50
2	Power Purchase Cost for one month		16.30	
3	Employee Cost for one month		9.01	
4	A&G Expenses for one month		1.29	
5	R&M Expenses for one month		4.65	
6	Total Working Capital for one month		49.23	
7	Security Deposit of Consumers		0.00	
8	Net Working Capital for one month after deducting security deposit considered by the Commission		49.23	
9	SBI Base Rate		14.75%	
10	Interest on Working Capital		7.26	

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2.11.4. The Hon'ble Commission is requested to approve the Interest on working capital as submitted above for FY 2016-17.

2.12. Interest on Security deposits

2.12.1. The Regulation 25 of JERC (for the State of Goa and Union Territories (Terms and Conditions for Determination of Tariff) Regulations, 2009 provides for Interest on Security Deposit, if any, made by the consumer with the licensee. The provision of interest on security deposits is to be made at the bank rate.

2.12.2. As per the regulation 6.10 (8) of Electricity Supply Code Regulations, 2010

The distribution licensee shall pay interest, at the bank rate notified by the Reserve Bank of India from time to time on such security deposits taken from the consumer. In this regard it shall be the responsibility of the licensee to keep a watch on the bank rate from time to time. The interest amount of previous financial year shall be adjusted in the energy bill issued in May / June of each financial year depending on billing cycle.

2.12.3. EDA&N does not collect security deposit from consumers in cash. The consumers are required to create a Term Deposit in scheduled bank equivalent to the security amount and a lien is created in favour of the EDA&N towards security deposit. Hence, Interest on Security deposits is not payable to the consumers. Therefore, EDA&N has not claimed Interest on Security deposit in the ARR.

2.13. Return on Capital base/Net Fixed Assets

2.13.1. EDA&N has calculated the Return on Equity in accordance with the regulation 27 of JERC MYT Regulations, 2014. Debt: Equity norm of 70:30 and RoE of 16% for FY 2016-17 has been considered and accordingly, the return on equity is calculated as given below.

2.13.2. The summary of the Return on Equity as approved by the Hon'ble Commission and as calculated for FY 2016-17 is tabulated below:

Table - 2.14 Return on Equity for the FY 2016-17				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	As per Audited Accounts	Deviation
1	2	3	4	5
1	Opening Equity Amount		66.62	
2	Equity Addition during year (30% of Capitalisation)		0.00	
3	Closing Equity Amount	9.30	66.62	-1.36
4	Average Equity Amount		66.62	
5	Rate of Return on Equity		0.16	
6	Return on Equity		10.66	

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2.13.3. The Hon'ble Commission is requested to kindly allow the above Return on Equity for FY 2016-17.

2.14. Provision for Bad & Doubtful Debts

Regulation As per regulation 32. Bad and Doubtful Debt of the MYT Regulations

"Bad and doubtful debt shall be limited to 1% of the receivables in the true-up, subject to the condition that amount of bad and doubtful debt is actually written-off in the licensee's books of accounts."

2.1.1 The EDA&N has not written off any Bad and Doubtful debts in Accounts for the FY 2016-17. Accordingly, no claim towards Provision for Bad & Doubtful Debts has been made by the EDA&N in the petition for the FY 2016-17

2.15. Non-Tariff Income

2.15.1. The Non-Tariff Income comprises metering, late payment charges, interest on staff loans, and income from trading, reconnection fee, and miscellaneous income among others. The actual Non-Tariff Income and that approved by the Hon'ble Commission for FY 2016-17 is provided in the table below:

Table - 2.15 Non-Tariff Income for the FY 2016-17				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	As per Audited Accounts	Deviation
1	2	3	4	5
1	Non-Tariff Income	2.62	2.46	0.16
	Total	2.62	2.46	

2.15.2. The Hon'ble Commission is requested to kindly allow Non-Tariff Income for FY 2016-17 as submitted above.

2.16. Revenue from sale of Power at Existing Tariff

2.16.1. The actual Revenue from Tariff for FY 2016-17 at existing tariff is shown in the table below:

Petition for Approval of Annual Revenue Requirement & Tariff Proposal for FY 2020-21

Table - 2.16 Revenue from Existing Tariff		
2016-17		
Sr. No	Particular	At Existing Tariff (Rs. Crores)
1	2	3
1	Total Revenue	135.76

2.16.2. The Hon'ble Commission is requested to kindly allow Revenue from Tariff for FY 2016-17 at existing tariff as submitted above.

2.17. Aggregate Revenue Requirement

2.17.1 The Aggregate Revenue Requirement for FY 2016-17 as approved by the Hon'ble Commission and the calculation for Aggregate Revenue Requirement on the basis of actual for FY 2016-17 is shown below:

Table - 2.17 True Up of ARR for FY 2016-17				
(in Rs. Crores)				
Sr. No	Particulars	As approved by Commission	As per Audited Accounts	Deviation
1	2	3	4	5
1	Cost of fuel	122.29	215.76	-93.47
2	Cost of power purchase	216.72	195.62	21.10
3	Employee costs	55.46	108.07	-52.61
4	R&M expenses	41.31	55.79	-14.48
5	Administration and general expenses	1.75	15.53	-13.78
6	Depreciation	9.69	6.16	3.53
7	Interest & Finance Charges	18.13	11.09	7.04
8	Interest on working Capital	4.76	7.26	-2.50
9	Return on NFA /Equity	9.30	10.66	-1.36
10	Provision for Bad Debit	0.00	0.00	0.00
11	Total revenue requirement	479.41	625.94	-146.53
12	Less: non-tariff income	2.62	2.46	0.16
13	Net revenue requirement (11-12)	476.80	623.48	-146.68
14	Revenue from tariff	138.41	135.76	2.65
15	Total gap (13-14)	338.39	487.72	-149.33

Petition for Approval of Annual Revenue Requirement & Tariff Proposal for FY 2020-21

2.17.1 The Petitioner requests the Commission to approve the ARR for FY 2016-17 as submitted above.

2.18. Revenue Gap for FY 2016-17

2.18.1 The Revenue Gap as approved by the Hon'ble Commission and as calculated on the basis of true up of FY 2016-17 is shown in the table below:

Table - 2.18 Revenue Gap at Existing Tariff FY 2016-17				
Sr. No.	Particulars	As Approved by Commission	As per Audited Accounts	Deviation
I	Net Annual Revenue Requirement	476.80	623.48	-146.68
II	Revenue from Sale of Power	138.41	135.76	2.65
III	(Gap)/ Surplus (III)	338.39	487.72	-149.33

2.18.1 Hon'ble Commission is requested to approve the revenue gap for FY 2016-17 as shown in the table above.

Director / Superintending Engineer
Dy. Commr / Electricity Department
Old QART / Port Blair

3. Annual Performance Review for the FY 2019-20.

3.1 Background to FY 2019-20 Tariff Petition

3.1.1 EDA&N filed the 2nd MYT Petition for the control period FY 2019-20 to FY 2021-22. FY 2019-20 is the first year of the control period. The ARR for the control period was approved by the Hon`ble Commission vide MYT order Dt. 20th May, 2019 along with the tariff for the FY 2019-20. Regulation 11(3) of the JERC MYT Regulations, 2018 provides as follows:


“Annual Review: a comparison of the revised performance targets of the applicant for the current financial year with the approved forecast in the Tariff Order corresponding to the Control period for the current financial year subject to prudence check”

In accordance with the above Regulation, EDA&N is filing for Annual Performance Review for the FY 2019-20.

3.1.2 This chapter summarizes each of the components of ARR for FY 2019-20 and requests the Hon`ble Commission to review the performance for FY 2019-20. The Annual Performance Review for FY 2019-20 is based on actual data/ information for first 6 months (First Half – H1) and as per the performance of EDA&N and estimation/projections for remaining 6 months (Second Half – H2), wherever applicable. The projections for the second 6 months are arrived at based on the performance over the first half data/ information.

3.2 Approved ARR for the FY 2019-20

3.2.1 The summary of the charges for FY 2019-20 as approved by the Hon`ble Commission in the MYT Order is tabulated below:


Officer-in-Charge / Superintendent Engineer
Gen. Inv. / Electricity Department
10/11/2019 / 2019-20

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Table - 3.1 Approved ARR for FY 2019-20		
(in Rs. Crores)		
Sr. No	Particulars	As approved by Commission
1	2	3
1	Cost of fuel	191.74
2	Cost of power purchase	349.71
3	Employee costs	102.52
4	R&M expenses	48.25
5	Administration and general expenses	36.05
6	Depreciation	5.68
7	Interest & Finance Charges	2.27
8	Interest on working Capital	5.18
9	Return on Equity	9.39
10	Provision for Bad Debit	0.00
11	Total revenue requirement	750.79
12	Less: Non-tariff income	2.94
13	Net revenue requirement (10-11)	747.85
14	Revenue from tariff	203.33
15	Gap	544.52

3.3 Number of consumers

3.3.1 Hon'ble Commission has approved the number of consumers for the FY 2019-20 in the MYT order Dt. 20.05.2019. However, on the basis of the number of consumers added during the first half of FY 2019-20, EDA&N submits the revised estimates for FY 2019-20. A comparison of the revised estimates with earlier approved numbers is shown below:

Table - 3.2 Category wise No. of Consumers for the FY 2019-20			
Category	As approved by Commission	Review as per Accounts	Deviation
Domestic	118077	115766	2311
Commercial	21282	20871	411
Industrial	614	598	16
Bulk Supply	68	66	2
Public Lighting	704	697	7
Irrigation Pumps & Agriculture	464	424	40
Total	141208	138423	2785

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3.3.2 It is requested to the Hon'ble Commission to approve the number of consumers as submitted in the above table for FY 2019-20.

3.4 Energy Sales

3.4.1 Hon'ble Commission has approved the Energy Sales for the FY 2019-20 in the MYT order Dt. 20.05.2019. However, on the basis of the sales during the first half of FY 2019-20, EDA&N submits the revised estimates for FY 2019-20. A comparison of the revised estimates with earlier approved numbers is shown below:


(In MUs)

Table - 3.3 Category wise sales for the FY 2019-20			
Category	As approved by Commission	Review as per Accounts	Deviation
Domestic	156.46	142.21	14.25
Commercial	63.26	62.56	0.70
Industrial	23.93	23.13	0.80
Bulk Supply	41.60	31.41	10.19
Public Lighting	8.65	6.72	1.93
Irrigation Pumps & Agriculture	1.15	1.06	0.09
Total	295.05	267.08	27.98

3.4.2 It is requested to the Hon'ble Commission to approve the sales as submitted in the above table for FY 2019-20.

3.5 Energy Balance

3.5.1 Hon'ble Commission has approved the Energy Balance and T&D loss for the FY 2019-20 in the MYT order Dt. 20.05.2019. However, on the basis of the actual figures during the first half of FY 2019-20, EDA&N submits the revised estimates for FY 2019-20. A comparison of the revised estimates with earlier approved numbers is shown below:


Deputy Engineer / Superintending Engineer
Electricity Department
Port Blair

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3.6.3 The Hon'ble Commission is requested to approve the fuel cost as submitted above for FY 2019-20.

3.7 Power Purchase Cost

3.7.1 The EDA&N is procuring power from IPPs & Other generators during the current financial year. Hon'ble Commission has approved the Power Purchase Cost for the FY 2019-20 in the MYT order Dt. 20.05.2019. However, on the basis of the cost figures during the first half of FY 2019-20, EDA&N submits the revised estimates for FY 2019-20. A comparison of the revised estimates with earlier approved numbers is shown below:

Table - 3.6 Power Purchase Expenses for the FY 2019-20				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Power Purchase Cost	349.71	414.92	-65.21
	Total	349.71	414.92	

3.8 GFA, Capitalisation & Depreciation

3.8.1 Hon'ble Commission has approved the GFA for the FY 2019-20 in the MYT order Dt. 20.05.2019. EDA&N has considered the actual GFA as on 31.03.2019 and additions during the FY 2019-20 as approved by the Hon'ble Commission in the MYT order to arrive at the closing GFA for the year.

3.8.2 In view of the revision of the GFA as above, the depreciation for the FY 2019-20 is also recalculated in accordance with the MYT Regulations, 2018. The approved and the revised projections of depreciation for the FY 2019-20 is provided below.

(Rs. in crore)

Table - 3.7 Gross Fixed Asset for FY 2019-20				
SL. No.	Particulars	Opening Assets	Additions	Assets at End
1	2	3	4	5
1	Plant & Machinery	87.13	6.32	93.45
2	Buildings	38.13	0.00	38.13
3	Vehicles	0.19	0.00	0.19
4	Furniture & Fixture	0.21	0.00	0.21
5	Office Equipment	2.23	0.00	2.23
6	Land & Land Rights	0.86	0.00	0.86
	Total	128.74	6.32	135.06

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Table - 3.8 Depreciation for the FY 2019-20				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Depreciation	5.68	7.19	-1.51
	Total	5.68	7.19	

3.8.2.1 EDA&N requests the Hon`ble Commission to kindly approve the same for APR for FY 2019-20.

3.9 Operation & Maintenance expenses

3.9.1 Operation & Maintenance Expenses consists of three elements viz Employee Expenses, A&G Expense and R&M Expense:

- Employee expenses comprise of salaries, dearness allowance, bonus, terminal benefits in the form of pension & gratuity, leave encashment and staff welfare expenses
- Administrative expenses mainly comprise of rents, telephone and other communication expenses, professional charges, conveyance and travelling allowances and other debits.
- Repairs and Maintenance Expenses go towards the day to day upkeep of the distribution network of the Company and form an integral part of the Company's efforts towards reliable and quality power supply as well as in the reduction of losses in the system.

3.9.2 Employee Expenses

3.9.2.1 The Hon`ble Commission has approved the Employee cost for the FY 2019-20 based on the approved norms in accordance with Regulation 41 of the MYT Regulations, 2018.

3.9.2.2 EDA&N is proposing the revised estimates of the employee cost based on the actual expenses for the FY 2018-19 & 1st Half (April, 19 to September, 19) of the FY 2019-20 The cost as approved by the Hon`ble Commission for the FY 2019-20 and the revised proposal for the year is given below:

Assistant Engineer / Superintendent Engineer
Reg. 1904 / Electricity Department
Andaman & Nicobar Islands

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Table - 3.9 Employee Expenses for the FY 2019-20				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Employee Cost	102.52	129.95	-27.43
	Total	102.52	129.95	

3.9.2.3 EDA&N requests the Hon`ble Commission to kindly approve the same for APR for FY 2019-20.

3.9.3 Repair & Maintenance Expenses

3.9.3.1 The Hon`ble Commission has approved the Repair & Maintenance Expenses for the FY 2019-20 based on the approved norms in accordance with Regulation 41 of the MYT Regulations, 2018

3.9.3.2 EDA&N is proposing the revised estimates of the Repair & Maintenance Expenses based on the actual expenses for the FY 2018-19 & 1st Half (April,19 to September,19) of the FY 2019-20 The cost as approved by the Hon`ble Commission for the FY 2019-20 and the revised proposal for the year is given below:

Table - 3.10 R&M Expenses for the FY 2019-20				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Repair & Maintenance Cost	48.25	59.21	-10.96
	Total	48.25	59.21	

3.9.3.3 EDA&N requests the Hon`ble Commission to kindly approve the same for APR for FY 2019-20.

3.9.4 Administrative & General Expenses

3.9.4.1 The Hon`ble Commission has approved the Administrative & General Expenses for the FY 2019-20 based on the approved norms in accordance with Regulation 41 of the MYT Regulations, 2018.

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3.9.4.2 EDA&N is proposing the revised estimates of the Administrative & General Expenses based on the actual expenses for the FY 2018-19 & 1st Half (April.19 to September.19) of the FY 2019-20 The cost as approved by the Hon'ble Commission for the FY 2019-20 and the revised proposal for the year is given below:

Table - 3.11 A&G Expenses for the FY 2019-20				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Administration & General Expenses	36.05	17.23	18.82
	Total	36.05	17.23	

3.9.4.3 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2019-20.

3.10 Interest & Finance charges

3.10.1 The EDA&N being a Government Department, the entire capital employed till date has been funded through equity infusion by the Central Government through budgetary support without any external borrowings. EDA&N has considered the GFA as on 31.03.2019 and additions during the FY 2019-20 as approved by the Hon'ble Commission in the MYT order to arrive at the closing GFA for the year.

3.10.2 It is submitted that the EDA&N has finalized the Fixed Asset Register up-to FY 2016-17 & the GFA figures have been considered in the audited accounts for the FY 2016-17 as per the Fixed Asset Register. The closing GFA as per the FAR of FY 2016-17 is Rs. 222.07 crores. In the True-up order for the FY 2015-16 Dt. 20th May 2019, Hon'ble Commission has considered GFA of Rs. 130.81 crores & corresponding closing normative loan of Rs. 14.40 crores. There is addition in GFA of Rs. 91.26 crores (Rs.222.07 crores - Rs.130.81 crores) as per the FAR & audited Accounts for the FY 2016-17 as compared to the approved GFA for the

FY 2015-16. EDA&N has considered closing normative loan of Rs. 14.40 crores as per True-up for the FY 2015-16 & 70% of GFA addition as above to arrive at the normative loan for the FY 2016-17. Thereafter, YoY additions in assets for the FY 2017-18 & FY 2018-19 and approved addition during FY 2019-20 has been considered for calculation of normative loan for the FY 2019-20.

3.10.3 Interest on loan for the FY 2019-20 has been arrived at based on the above normative loan & in-accordance with the MYT Regulations.

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Capital for the Distribution Wires Business for the financial Year, computed as follows:

a) Operation and maintenance expenses for one (1) month; plus

b) Maintenance spares at 40% of R&M expenses for one (1) month; plus

c) Receivables equivalent to two (2) months of the expected revenue from Consumers at the prevailing tariffs;

Less

d) Amount, if any, held as security deposits

3.11.2 In view of the above Regulations, EDA&N has recalculated the working capital requirement for the FY 2019-20.

3.11.3 Regulation 31.4 of MYT Regulations provides as follows:

“The rate of interest on Working Capital shall be equal 1 Year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI 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 200 basis points.”

3.11.4 In view of the above Regulation, EDA&N proposes to revise the interest charges based on the State Bank of India (SBI) MCLR – 1 year tenor as on 01.04.2019. The State Bank of India (SBI) MCLR – 1 year tenor as on 01.04.2019 was 8.55%. Accordingly, interest rate of 10.55% (8.55%+2%) has been considered for projecting the interest charges for the FY 2019-20.

3.11.5 EDA&N has calculated the revised interest on working capital for the FY 2019-20 in accordance with the above submission. The same is provided below along with the approved figures for the year:

Table - 3.13 Interest on Working Capital for the FY 2019-20				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	O&M Expenses for one month		17.20	
2	Maintenance for spares @40% of R&M		23.68	
3	Receivables for 2 months		29.71	
4	Less; Adjustment for security Deposit	5.18	0.00	-2.27
5	Net Working Capital		70.59	
6	Rate of Interest for Working Capital		10.55%	
7	Interest on Working Capital		7.45	

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3.11.6 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2019-20.

3.12 Interest on Security deposits

3.12.1 EDA&N does not collect security deposit from consumers in cash. The consumers are required to create a Term Deposit in scheduled bank equivalent to the security amount and a lien is created in favour of the EDA&N towards security deposit. Hence, Interest on Security deposits is not payable to the consumers. Therefore, EDA&N has not claimed Interest on Security deposit in the ARR.

3.13 Return on Equity

3.13.1 The EDA&N being a Government Department, the entire capital employed till date has been funded through equity infusion by the Central Government through budgetary support. EDA&N has considered the GFA as on 31.03.2019 and additions during the FY 2019-20 as approved by the Hon'ble Commission in the MYT order to arrive at the closing GFA for the year. The normative Equity for the FY 2019-20 has been considered at 30% of the above GFA in accordance with the Regulation 26 of the MYT Regulations, 2018.

3.13.2 Further, Regulation 27 of MYT Regulations, 2018 provides as follows:

"The return on equity for the Retail Supply Business shall be allowed on the equity capital determined in accordance with Regulation 26 for the assets put to use, at the rate of 16 per cent per annum....."

3.13.3 In view of the above, the revised Return on Equity for the FY 2019-20 is calculated as below:

Table - 3.14 Return on Equity for the FY 2019-20				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Opening Equity Amount	9.39	73.44	-2.51
2	Equity Addition during year (30% of Capitalisation)		1.90	
3	Closing Equity Amount		75.34	
4	Average Equity Amount		74.39	
5	Rate of Return on Equity		16.00%	
6	Return on Equity		11.90	

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3.13.4 EDA&N requests the Hon`ble Commission to kindly approve the same for APR for FY 2019-20.

3.14 Provision for Bad & Doubtful Debts

3.14.1 Regulation 62 of MYT Regulations provides that the Bad debt shall be allowed based on actual write off. The same is reproduced below:

“Provided that the Commission shall true up the bad debts written off in the Aggregate Revenue Requirement, based on the actual write off of bad debts excluding delayed payment charges waived off, if any, during the year, subject to prudence check...”

3.14.2 In view of the above EDA&N is not proposing any provision for Bad Debt. EDA&N shall submit the claim towards bad and doubtful debts when audited figures are available for the consideration of the Hon`ble Commission at the time of true-up. Hon`ble Commission may kindly allow the same.

3.15 Non-Tariff Income

3.15.1 Hon`ble Commission has approved the Non-Tariff Income for the FY 2019-20 in the MYT order Dt. 20.05.2019.

3.15.2 It is submitted that EDA&N is not proposing revision in the Non-Tariff Income as approved by the Hon`ble Commission in the MYT order. EDA&N shall submit the actual NTI at the time of True-up for the year. The proposed NTI for the FY 2019-20 is given below:

Table- 3.15 Non-Tariff Income for the FY 2019-20				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Non-Tariff Income	2.94	2.94	0.00
	Total	2.94	2.94	

3.15.3 EDA&N requests the Hon`ble Commission to kindly approve the same for APR for FY 2019-20.

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3.16 Aggregate Revenue Requirement

3.16.1 The Aggregate Revenue Requirement for FY 2019-20 as approved by the Hon'ble Commission and the calculation for Aggregate Revenue Requirement on the basis of revised estimates as submitted in the above sections for FY 2019-20 is shown below:

Table - 3.16 Review of ARR for FY 2019-20				
(in Rs. Crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Cost of fuel	191.74	107.71	84.03
2	Cost of power purchase	349.71	414.92	-65.21
3	Employee costs	102.52	129.95	-27.43
4	R&M expenses	48.25	59.21	-10.96
5	Administration and general expenses	36.05	17.23	18.82
6	Depreciation	5.68	7.19	-1.51
7	Interest & Finance Charges	2.27	8.21	-5.94
8	Interest on working Capital	5.18	7.45	-2.27
9	Return on Equity	9.39	11.90	-2.51
10	Provision for Bad Debit	0.00	0.00	0.00
11	Total revenue requirement	750.79	763.77	-12.98
12	Less: Non-tariff income	2.94	2.94	0.00
13	Net revenue requirement (10-11)	747.85	760.83	-12.98
14	Revenue from tariff	203.33	182.79	20.54
15	Total gap (13-14)	544.52	578.04	-33.52

3.16.2 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2019-20.

3.17 Revenue from sale of Power at Existing Tariff

3.17.1 The revised estimate of Revenue from Tariff for FY 2019-20 as compared with the figures approved by the Hon'ble Commission in the MYT order Dt. 20.05.2019 is shown in the table below:

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Table - 3.17 Revenue from Existing Tariff		
2019-20		
Sr. No	Particular	At Existing Tariff (Rs. Crores)
1	2	3
1	Energy Charges	174.82
2	Fixed Charges	7.97
3	Total Revenue	182.79

3.17.2 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2019-20.

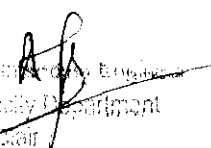
3.18 Revenue Gap for FY 2019-20

3.18.1 The Revenue Gap as approved by the Hon'ble Commission and as calculated on the basis of the APR for the FY 2019-20 is shown in the table below:

(Rs. In Crores)

Table - 3.18 Revenue Gap at Existing Tariff FY 2019-20		
Sr. No.	Particulars	Revised Estimate
I	Net Annual Revenue Requirement	760.83
II	Revenue from Sale of Power	182.79
III	(Gap)/ Surplus (III)	578.04

3.18.2 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2019-20.


 Director, Electricity Department
 Union Territory of Andaman & Nicobar Islands

4. Tariff Proposal for the FY 2020-21

4.1 Background to FY 2020-21 Tariff Petition

4.1.1 EDA&N filed the 2nd MYT Petition for the control period FY 2019-20 to FY 2021-22. FY 2019-20 is the first year of the control period. The ARR for the control period was approved by the Hon'ble Commission vide MYT order Dt. 20th May, 2019 along with the tariff for the FY 2019-20. Regulation 11(3) of the JERC MYT Regulations, 2018 provides as follows:

“The scope of the annual review, true up and tariff determination shall be a comparison of the performance of the Transmission Licensee or Distribution Licensee with the approved forecast of Aggregate Revenue Requirement and expected revenue from tariff and charges and shall comprise of the following:

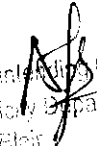
- a) True-up: a comparison of the audited performance of the Applicant for the financial Year for which the true up is being carried out with the approved forecast for such previous financial Year, subject to the prudence check;*
- b) Annual Review: a comparison of the revised performance targets of the applicant for the current financial year with the approved forecast in the Tariff Order corresponding to the Control period for the current financial year subject to prudence check;*
- c) Tariff determination for the ensuing Year of the Control Period based on revised forecast of the Aggregate Revenue Requirement for the Year:”*

In accordance with the above Regulation, EDA&N is filing for approval of revised ARR & Tariff for the FY 2020-21.

4.1.2 This chapter summarizes each of the components of ARR for FY 2020-21 and requests the Hon'ble Commission to review the ARR for FY 2020-21. The proposal for revised ARR for FY 2020-21 is based on actual data/ information for the FY 2018-19 & first 6 months (First Half – H1) and estimation/projections for remaining 6 months (Second Half – H2) of the FY 2019-20, wherever applicable.

4.2 Approved ARR for the FY 2020-21

4.2.1 The summary of the charges for FY 2020-21 as approved by the Hon'ble Commission in the MYT Order is tabulated below:


Superintending Engineer
Dept. Power / Electricity Department
Port Blair

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Table - 4.1 Approved ARR for FY 2020-21		
(in Rs. Crores)		
Sr. No	Particulars	As approved by Commission
1	2	3
1	Cost of fuel	219.62
2	Cost of power purchase	350.65
3	Employee costs	111.85
4	R&M expenses	49.83
5	Administration and general expenses	37.62
6	Depreciation	6.21
7	Interest & Finance Charges	2.89
8	Interest on working Capital	5.55
9	Return on Equity	10.27
10	Provision for Bad Debit	0.00
11	Total revenue requirement	794.49
12	Less: Non tariff income	3.09
13	Net revenue requirement (11-12)	791.40

4.3 Number of consumers

4.3.1 Hon'ble Commission has approved the number of consumers for the FY 2020-21 in the MYT order Dt. 20.05.2019. However, on the basis of the number of during FY 2018-19 & first half of FY 2019-20, EDA&N submits the revised estimates for FY 2020-21. A comparison of the revised estimates with earlier approved numbers is shown below:

Table - 4.2 Category wise No. of Consumers for the FY 2020-21			
Category	As approved by Commission	Review as per Accounts	Deviation
Domestic	122032	119645	2387
Commercial	21923	21499	424
Industrial	632	616	16
Bulk Supply	69	68	1
Public Lighting	713	705	8
Irrigation Pumps & Agriculture	517	473	44
Total	145885	143005	2880

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4.3.2 It is requested to the Hon'ble Commission to approve the number of consumers as submitted in the above table for FY 2020-21.

4.4 Energy Sales

4.4.1 Hon'ble Commission has approved the Energy Sales for the FY 2020-21 in the MYT order Dt. 20.05.2019. However, on the basis of the sales during the first half of FY 2020-21, EDA&N submits the revised estimates for FY 2020-21. A comparison of the revised estimates with earlier approved numbers is shown below:


(Mus)

Table - 4.3 Category wise sales for the FY 2020-21			
Category	As approved by Commission	Claimed by Petitioner	Deviation
Domestic	166.48	151.31	15.17
Commercial	64.50	63.79	0.71
Industrial	26.32	25.44	0.88
Bulk Supply	43.81	33.07	10.74
Public Lighting	8.65	6.72	1.93
Irrigation Pumps & Agriculture	1.19	1.09	0.10
Total	310.95	281.42	29.54

4.4.2 It is requested to the Hon'ble Commission to approve the sales as submitted in the above table for FY 2020-21.

4.5 Energy Balance

4.5.1 Hon'ble Commission has approved the Energy Balance and T&D loss for the FY 2020-21 in the MYT order Dt. 20.05.2019. However, on the basis of the actual figures during the first half of FY 2020-21, EDA&N submits the revised estimates for FY 2020-21. A comparison of the revised estimates with earlier approved numbers is shown below:


सुपरिऑर इंजीनियर / Superintending Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair

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(Mus)

Table - 4.4 Energy Requirement for the FY 2020-21			
Energy Balance	As approved by Commission	Review as per Accounts	Deviation
ENERGY REQUIREMENT			
Energy Sales			
LT Supply	310.95	281.42	29.53
HT Supply			
Total Energy Sales	310.95	281.42	29.53
Overall T & D Losses %	13.84	13.84	0.00
Overall T & D Losses (MUs)	49.95	45.21	4.74
Total Energy Requirement	360.90	326.63	34.27
Power Purchase	221.61	249.02	-27.41
Own Generation	139.28	77.60	61.68
Total Energy Availability	360.90	326.63	34.27
ENERGY SURPLUS/(GAP)	0.00	0.00	0.00

4.5.2 EDA&N requests the Hon`ble Commission to approve the Energy Balance and T&D Loss as submitted above for FY 2020-21.

4.6 Cost of fuel

4.6.1 The energy requirement of EDA&N is met from own generation & power purchase from IPPs & other generators. There is no availability of power from Central Generating Stations or open market/ power exchanges etc.

4.6.2 Hon`ble Commission has approved the Fuel Cost for the FY 2020-21 in the MYT order Dt. 20.05.2019. However, on the basis of the cost figures during the first half of FY 2020-21, EDA&N submits the revised estimates for FY 2020-21. A comparison of the revised estimates with earlier approved numbers is shown below:

Table - 4.5 Fuel Cost for the FY 2020-21				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Cost of Fuel	219.62	122.62	97.00
	Total	219.62	122.62	

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4.6.3 The Hon'ble Commission is requested to approve the fuel cost as submitted above for FY 2020-21.

4.7 Power Purchase Cost

4.7.1 The EDA&N is procuring power from IPPs & Other generators during the current financial year. Hon'ble Commission has approved the Power Purchase Cost for the FY 2020-21 in the MYT order Dt. 20.05.2019. However, on the basis of the cost figures during the first half of FY 2019-20, EDA&N submits the revised estimates for FY 2019-20. A comparison of the revised estimates with earlier approved numbers is shown below:

Table - 4.6 Power Purchase Expenses for the FY 2020-21				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Power Purchase Cost	350.65	427.09	-76.44
	Total	350.65	427.09	

4.8 GFA, Capitalisation & Depreciation

4.8.1 Hon'ble Commission has approved the GFA for the FY 2020-21 in the MYT order Dt. 20.05.2019. EDA&N has considered the actual GFA as on 31.03.2019 and additions during the FY 2019-20 & FY 2020-21 as approved by the Hon'ble Commission in the MYT order to arrive at the closing GFA for the year.

4.8.2 In view of the revision of the GFA as above, the depreciation for the FY 2020-21 is also recalculated in accordance with the MYT Regulations, 2018. The approved and the revised projections of depreciation for the FY 2020-21 is provided below.

Table - 4.7 Gross Fixed Asset for FY 2020-21				
Sl. No.	Particulars	Opening Assets	Additions	Assets at End
1	2	3	4	5
1	Plant & Machinery	87.22	30.30	117.52
2	Buildings	37.28	0.00	37.28
3	Vehicles	0.19	0.00	0.19
4	Furniture & Fixture	0.19	0.00	0.19
5	Office Equipment	2.14	0.00	2.14
6	Land & Land Rights	0.86	0.00	0.86
	Total	127.87	30.30	158.17

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Table - 4.8 Depreciation for the FY 2020-21				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Depreciation	6.21	7.42	-1.21
	Total	6.21	7.42	

4.8.2.1 EDA&N requests the Hon`ble Commission to kindly approve the same for APR for FY 2020-21.

4.9 Operation & Maintenance expenses

4.9.1 Operation & Maintenance Expenses consists of three elements viz Employee Expenses, A&G Expense and R&M Expense:

- Employee expenses comprise of salaries, dearness allowance, bonus, terminal benefits in the form of pension & gratuity, leave encashment and staff welfare expenses
- Administrative expenses mainly comprise of rents, telephone and other communication expenses, professional charges, conveyance and travelling allowances and other debits.
- Repairs and Maintenance Expenses go towards the day to day upkeep of the distribution network of the Company and form an integral part of the Company's efforts towards reliable and quality power supply as well as in the reduction of losses in the system.

4.9.2 Employee Expenses

4.9.2.1 The Hon`ble Commission has approved the Employee cost for the FY 2020-21 based on the approved norms in accordance with Regulation 41 of the MYT Regulations, 2018.

4.9.2.2 EDA&N is proposing the revised estimates of the employee cost for the FY 2020-21 based on the actual expenses for the FY 2018-19 & 1st Half (April,19 to September,19) of the FY 2019-20. The cost as approved by the Hon`ble Commission for the FY 2020-21 and the revised proposal for the year is given below:

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Table - 4.9 Employee Expenses for the FY 2020-21				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Employee Cost	111.85	132.55	-20.70
	Total	111.85	132.55	

4.9.2.3 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2020-21.

4.9.3 Repair & Maintenance Expenses

4.9.3.1 The Hon'ble Commission has approved the Repair & Maintenance Expenses for the FY 2020-21 based on the approved norms in accordance with Regulation 41 of the MYT Regulations, 2018

4.9.3.2 EDA&N is proposing the revised estimates of the Repair & Maintenance Expenses for the FY 2020-21 based on the actual expenses for the FY 2018-19 & 1st Half (April.19 to September.19) of the FY 2019-20 The cost as approved by the Hon'ble Commission for the FY 2020-21 and the revised proposal for the year is given below:

Table - 4.10 R&M Expenses for the FY 2020-21				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Repair & Maintenance Cost	49.83	60.39	-10.56
	Total	49.83	60.39	

4.9.3.3 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2020-21.

4.9.4 Administrative & General Expenses

4.9.4.1 The Hon'ble Commission has approved the Administrative & General Expenses for the FY 2020-21 based on the approved norms in accordance with Regulation 41 of the MYT Regulations, 2018

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4.9.4.2 EDA&N is proposing the revised estimates of the Administrative & General Expenses for the FY 2020-21 based on the actual expenses for the FY 2018-19 & 1st Half (April,19 to September,19) of the FY 2019-20. The cost as approved by the Hon`ble Commission for the FY 2020-21 and the revised proposal for the year is given below:

Table - 4.11 A&G Expenses for the FY 2020-21				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Administration & General Expenses	37.62	18.64	18.98
	Total	37.62	18.64	

4.9.4.3 EDA&N requests the Hon`ble Commission to kindly approve the same for APR for FY 2020-21.

4.10 Interest & Finance charges

4.10.1 The EDA&N being a Government Department, the entire capital employed till date has been funded through equity infusion by the Central Government through budgetary support without any external borrowings. EDA&N has considered the GFA as on 31.03.2019 and additions during the FY 2019-20 & FY 2020-21 as approved by the Hon`ble Commission in the MYT order to arrive at the closing GFA for the year. The normative loan for the FY 2020-21 has been arrived in accordance with the Regulation 26 of the MYT Regulations, 2018.

4.10.2 It is submitted that Regulation 28.4 of MYT Regulations,2018 provides as below:

“ Provided further that if the Transmission Licensee or the Distribution Licensee does not have actual loan, then 1 Year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI for the time being in effect applicable for 1 Year period, as may be applicable as on 1st April of the relevant Year plus 100 basis points shall be considered as the rate of interest for the purpose of allowing the interest on the normative loan. ”

In view of the above Regulation, EDA&N proposes to revise the interest charges based on the State Bank of India (SBI) MCLR – 1 year tenor as on 01.04.2019. The State Bank of India (SBI) MCLR – 1 year tenor as on 01.04.2019 was 8.55%. Accordingly, interest rate of 9.55% (8.55%+1%) has been considered for projecting the interest charges for the FY 2020-21.

Petition for Approval of Annual Revenue Requirement & Tariff Proposal for FY 2020-21

Table - 4.12 Interest and Finance Charges for the FY 2020-21				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Opening Normative Loan/WIP	2.89	84.54	-5.84
2	Add: Normative Loan during the year/GFA during the year		21.21	
3	Less: Normative Repayment		6.21	
4	Less: Normative Repayment for the year		7.42	
5	Closing Normative Loan/ GFA		98.33	
6	Average Normative Loan		91.43	
7	Rate of Interest (@ SBI SBAR rate)		0.10	
8	Interest on Normative Loan		8.73	

4.10.3 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2020-21.

4.11 Interest on Working Capital

4.11.1 The Hon'ble Commission has approved the Interest on Working Capital for the FY 2020-21 based on the cost parameters approved for MYT Control Period in accordance with the Regulation 63 of the MYT Regulations, 2018. The Regulation provides as follows:

The Distribution Licensee shall be allowed interest on the estimated level of Working Capital for the Distribution Wires Business for the financial Year, computed as follows:

- a) *Operation and maintenance expenses for one (1) month; plus*
 - b) *Maintenance spares at 40% of R&M expenses for one (1) month; plus*
 - e) *Receivables equivalent to two (2) months of the expected revenue from Consumers at the prevailing tariffs;*
- Less*
- f) *Amount, if any, held as security deposits.*

4.11.2 In view of the above Regulations, EDA&N has recalculated the working capital requirement for the FY 2020-21.

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4.11.3 Regulation 31.4 of MYT Regulations provides as follows:

“The rate of interest on Working Capital shall be equal 1 Year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI 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 200 basis points.”

4.11.4 In view of the above Regulation, EDA&N proposes to revise the interest charges based on the State Bank of India (SBI) MCLR – 1 year tenor as on 01.04.2019. The State Bank of India (SBI) MCLR – 1 year tenor as on 01.04.2019 was 8.55%. Accordingly, interest rate of 10.55% (8.55%+2%) has been considered for projecting the interest charges for the FY 2020-21.

4.11.5 EDA&N has calculated the revised interest on working capital for the FY 2020-21 in accordance with the above submission. The same is provided below along with the approved figures for the year:

Table - 4.13 Interest on Working Capital for the FY 2020-21				
{Rs. in crores}				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	O&M Expenses for one month	5.55	17.63	-2.23
2	Maintenance for spares @40% of R&M		24.16	
3	Receivables for 2 months		31.93	
4	Less; Adjustment for security Deposit		0.00	
5	Net Working Capital		73.72	
6	Rate of Interest for Working Capital		10.55%	
7	Interest on Working Capital		7.78	

4.11.6 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2020-21.

4.12 Interest on Security deposits

4.12.1 EDA&N does not collect security deposit from consumers in cash. The consumers are required to create a Term Deposit in scheduled bank equivalent to the security amount and a lien is created in favour of the EDA&N towards security deposit. Hence, Interest on Security deposits is not payable to the consumers. Therefore, EDA&N has not claimed Interest on Security deposit in the ARR.

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4.13 Return on Equity

4.13.1 The EDA&N being a Government Department, the entire capital employed till date has been funded through equity infusion by the Central Government through budgetary support. EDA&N has considered the GFA as on 31.03.2019 and additions during the FY 2019-20 & FY 2020-21 as approved by the Hon'ble Commission in the MYT order to arrive at the closing GFA for the year. The normative Equity for the FY 2020-21 has been considered at 30% of the above GFA in accordance with the Regulation 26 of the MYT Regulations, 2018.

4.13.2 Further, Regulation 27 of MYT Regulations, 2018 provides as follows:

"The return on equity for the Retail Supply Business shall be allowed on the equity capital determined in accordance with Regulation 26 for the assets put to use, at the rate of 16 per cent per annum....."

4.13.3 In view of the above, the revised Return on Equity for the FY 2020-21 is calculated as below:

Table - 4.14 Return on Equity for the FY 2020-21				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Opening Equity Amount	10.27	75.34	-2.51
2	Equity Addition during year (30% of Capitalisation)		9.09	
3	Closing Equity Amount		84.43	
4	Average Equity Amount		79.88	
5	Rate of Return on Equity		0.16	
6	Return on Equity		12.78	

4.13.4 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2020-21.

4.14 Provision for Bad & Doubtful Debts

4.14.1 Regulation 62 of MYT Regulations provides that the Bad debt shall be allowed based on actual write off. The same is reproduced below:

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“Provided that the Commission shall true up the bad debts written off in the Aggregate Revenue Requirement, based on the actual write off of bad debts excluding delayed payment charges waived off, if any, during the year, subject to prudence check....”

4.14.2 In view of the above EDA&N is not proposing any provision for Bad Debt. EDA&N shall submit the claim towards bad and doubtful debts when audited figures are available for the consideration of the Hon'ble Commission at the time of true-up. Hon'ble Commission may kindly allow the same.


4.15 Non-Tariff Income

4.15.1 Hon'ble Commission has approved the Non-Tariff Income for the FY 2020-21 in the MYT order Dt. 20.05.2019.

4.15.2 It is submitted that EDA&N is not proposing revision in the Non-Tariff Income as approved by the Hon'ble Commission in the MYT order. EDA&N shall submit the actual NTI at the time of True-up for the year. The proposed NTI for the FY 2020-21 is given below:

Table - 4.15 Non-Tariff Income for the FY 2020-21				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Non-Tariff Income	3.09	3.09	0.00
	Total	3.09	3.09	

4.15.3 EDA&N requests the Hon'ble Commission to kindly approve the same for ARR for FY 2020-21.


Secretary / Superintendent
Electricity Department
Union Territory of Andaman & Nicobar Islands

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4.16 Aggregate Revenue Requirement

4.16.1 The Aggregate Revenue Requirement for FY 2020-21 as approved by the Hon'ble Commission and the calculation for revised Aggregate Revenue Requirement on the basis of revised estimates as submitted in the above sections for FY 2020-21 is shown below:

Table - 4.16 Review of ARR for FY 2020-21				
(in Rs. Crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Cost of fuel	219.62	122.62	97.00
2	Cost of power purchase	350.65	427.09	-76.44
3	Employee costs	111.85	132.55	-20.70
4	R&M expenses	49.83	60.39	-10.56
5	Administration and general expenses	37.62	18.64	18.98
6	Depreciation	6.21	7.42	-1.21
7	Interest & Finance Charges	2.89	8.73	-5.84
8	Interest on working Capital	5.55	7.78	-2.23
9	Return on Equity	10.27	12.78	-2.51
10	Provision for Bad Debit	0.00	0.00	0.00
11	Total revenue requirement	794.49	797.99	-3.50
12	Less: Non-tariff income	3.09	3.09	0.00
13	Net revenue requirement (11-12)	791.40	794.90	-3.50

4.16.2 EDA&N requests the Hon'ble Commission to kindly approve the same for the FY 2020-21.

4.17 Revenue from sale of Power at Existing Tariff

4.17.1 The estimate of Revenue from Tariff for FY 2020-21 at existing tariff, based on the revised projections as detailed in the above sections is shown in the table below:

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Table 6.18: Revenue from sale of Power at Existing Tariff for the FY 2020-21

(Rs. in crore)

Table - 4.17 Revenue from Existing Tariff		
2020-21		
Sr. No.	Particular	At Existing Tariff (Rs. Crores)
1	2	3
1	Energy Charges	183.69
2	Fixed Charges	8.35
3	Total Revenue	192.05

4.17.2 EDA&N requests the Hon'ble Commission to kindly approve the same for FY 2020-21.


4.18 Revenue Gap for FY 2020-21

4.18.1 The Revenue Gap at existing tariff, based on the revised projections as detailed in the above sections is shown in the table below:

Table - 4.18 Revenue Gap at Existing Tariff FY 2020-21		
Sr. No.	Particulars	Revised Estimate
I	Net Annual Revenue Requirement	794.91
II	Revenue from Sale of Power	192.05
III	(Gap)/ Surplus (III)	602.86

4.18.2 Average cost of supply

Average cost of supply based on the Revised ARR & sales at existing tariff for the FY 2020-21 is provided in the table below:


Secretary, Electricity Department
Union Territory of Andaman & Nicobar Islands

Petition for Approval of Annual Revenue Requirement & Tariff Proposal for FY 2020-21

Table - 4.19 Average cost of supply for FY 2020-21		
(in Rs. Crores)		
Sr. No.	Particulars	FY 2020-21
1	2	3
1	Net revenue requirement	794.91
2	Energy sales (MU)	281.42
3	Average cost of supply/unit	28.25

4.18.3 EDA&N requests the Hon'ble Commission to kindly approve the same for FY 2020-21.

5. Tariff Proposal for the FY 2020-21

Background of the Tariff Proposal

The Hon'ble Commission has already approved the ARR for the FY 2020-21 along with other parameters in the MYT order dated 20.05.2019. EDA&N is filing the instant petition for approval of the Tariff for the FY 2020-21 based on the revised projections of ARR & other parameters as detailed in para 6 above.

This section summarizes the proposed tariff & Revenue Gap at proposed tariff.

5.1 Recovery of Revenue Gap

The estimated gap in the FY 2020-21 has been computed by deducting the Revenue at Existing Tariff from the net ARR. EDA&N has projected gap for the FY 2020-21 at Rs. 602.86 Crores as detailed in the table above.

5.2 Proposed Tariff

Tariff is a sensitive subject having substantial impact on social, economic and financial wellbeing of the public at large as well as the viability and growth of power sector. EDA&N proposes to recover a part of the gap through hike in tariff as recovery of the total gap would result in huge burden on the consumers. The proposed tariff for recovery of the gap is detailed in the subsequent section.


The basic requirement of any Tariff proposal is that it has to be transparent and justifiable against various policy guidelines and the framework evolved by the JERC and various SERCs. The Cost of supply computes to Rs. 28.25 per unit. Average revenue per unit at existing tariff is Rs. 6.82 Thus, there is gap of Rs.21.42 per unit.

It is submitted that over 90% of power is generated from Diesel based generating stations. There is no other source of energy. Major component of cost of supply is cost of HSD and Lubricants. Further, there has been a reduction in budgetary support from the government. The above factors, apart from general rise in prices have necessitated the increase in tariff. However, in this Tariff proposal only partial recovery of cost is proposed.

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Considering the above, the tariff proposal for FY 2020-21 for individual categories is given below along with the comparison of existing and proposed energy charges.

Table - 5.20 Energy Charge Existing v/s Proposed Tariff		
Category	Energy Charge (Rs./Kwh)	
	Existing	Proposed
Life Line Connection		
0 to 50 units	2.05	2.05
Domestic Connection		
Upto 100	2.25	2.25
101 to 200	5.00	5.00
201 & 500	7.20	7.20
501 & above	7.50	7.50
Commercial		
Upto 200	7.50	7.50
201 to 500	9.50	9.50
500 and above	12.00	12.00
Government Connections		
Upto -500	9.20	9.20
501 & Above	10.60	10.60
Industrial		
0 to 500 units	6.00	6.00
500 and above	8.00	8.00
Bulk		
	12.50	12.50
Public Lighting		
	6.10	6.10
Irrigation, Pumps & Agriculture		
	1.60	1.60
Electric Vehicle Charging Station		
	6.89	6.89


 Superintendent Engineer
 Electricity Department
 Port Blair 48

5.3 Introduction of new Tariff for Rooftop Solar.

- The Administration is very keen to have consumer(s) participation in harnessing of Solar potential by installing Grid connected Rooftop Solar or Ground mounted Solar. In this regard, the department is in the process of empanelment of firms for installation of Rooftop Solar for the consumers under Domestic, Commercial and Industrial category. Hence, for effective implementation of the above scheme for Rooftop Solar, it is proposed to incentivize the consumers under Domestic, Commercial and Industrial category so that people come forward for installing Rooftop Solar in their premises.
 - However, to ensure consumer participation in greening of the islands it has been proposed that a separate Tariff proposal to be submitted to JERC incentivizing such consumers who have installed SPV equivalent to 15% of the total connected load/ contract demand in their premises/ rooftop and having net metering agreement with Electricity Department. Necessary feed-in tariff is proposed to be Rs. 7.16 per unit as per the " Generic Tariff Order for FY 2019-20" dated 2nd September 2019.
 - A&N Administration is working towards de-dieselization of electricity production and has been taking several measures for greening of these islands by promoting solar generation being the eco-friendly and economical alternate renewable energy resource in these islands.
 - Hence, EDA&N proposes to promote and incentivize the consumers to become prosumers (Producing consumers) by installation solar power plants on their roof top / other available areas in their premises.
 - In view of the above, following is proposed for the consideration & approval of the Hon'ble Commission.
- (i) **The Domestic, Commercial and Industrial consumers who have installed Rooftop Solar in their premises shall be incentivized by introducing new Solar Tariff . The proposed rates are provided below.**

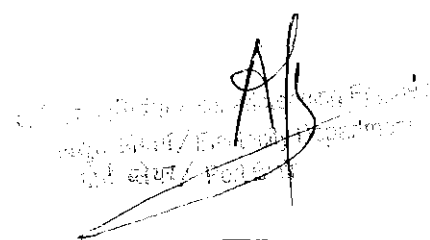

Director/ Electricity Department
Union Territory of Andaman & Nicobar Islands

Petition for Approval of Annual Revenue Requirement & Tariff Proposal for FY 2020-21

Sl. No.	Category	Fixed Charges	Proposed tariff (w.e.f. 1 st April '2020).
			(Rs / Unit)
1	Domestic (Solar) *		
	0 – 200 Units	INR 20/- per connection per month or part thereof for single phase.	2.05
	201 – 500 Units		7.20
	501 Units & above	INR 70/- per connection per month or part thereof for three phase.	7.50
2	Commercial (Solar) *		
	0 – 200 Units	INR 30/- per connection per month or part thereof for single phase.	7.00
	201 – 500 Units		9.50
	501 and above	INR 125/- per connection per month or part thereof for three phase.	12.00
3	Industrial (Solar) *		
	0 – 200 Units	INR 50/- per KVA per month or part thereof	5.50
	201-500 Units		6.00
	501Units and above		8.00
* Consumers shall be considered under Domestic (Solar), Commercial (Solar) and Industrial (Solar) category after having installed Rooftop / Ground Mounted Solar Power Plant in their premises equivalent to 15% of the connected load/contract demand or 25% of the roof area whichever is less.			

It is submitted that the above proposal if approved shall facilitate in harnessing the Solar potential.

Based on the tariff proposed above, following is the summary of the revenue from various consumer categories at the proposed tariff, which is being compared with the consumer category-wise revenue at existing tariff:




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Table - 5.21 Comparison of Existing Tariff with proposed Tariff					
Consumer Category	Energy Billed MU's	At Existing Tariff		At Proposed Tariff	
		Revenue Rs. Crores	Revenue Billed Rs. per unit	Revenue Rs. Crores	Revenue Billed Rs. per unit
Domestic	151.31	63.64	4.04	63.64	4.04
Commercial	37.24	60.75	9.40	60.75	9.40
Government Connection	26.55				
Industry	25.44	19.06	6.70	19.06	6.70
Bulk	33.07	43.42	12.50	43.42	12.50
Public Lighting	6.72	4.74	6.10	4.74	6.10
Irrigation, Pumps & Agriculture	1.09	0.43	1.60	0.43	1.60
Revenue from Sale of Power	281.41	192.05	6.82	192.05	6.82

6.1 Impact of Tariff on Consumers

The revenue gap and the average tariff hike proposed are presented in the table below:



 Director / Superintendent
 Electricity Department
 Port Blair / Port Blair

Petition for Approval of Annual Revenue Requirement & Tariff Proposal for FY 2020-21

Table - 6.1 Impact of Tariff				
Sr. No.	Particulars	Units	FY 2020-21	
			Existing	Proposed
1	ARR for FY 2020-21	Rs. Crores	794.91	794.91
2	Revenue for FY 2020-21	Rs. Crores	192.05	192.05
3	Gap (1-2)	Rs. Crores	602.86	602.86
4	Total Sales	MU's	281.42	281.42
5	Average Cost of Supply (1 / 4 x 10)	Rs. per kWh	28.25	28.25
6	Average Revenue (2 / 4 x 10)	Rs. per kWh	6.82	6.82
7	Pure Gap (5-6)	Rs. per kWh	21.42	21.42
8	Average Hike in Tariff			0.00
9	Hike in %			0.00%

Hence, it is submitted that the average tariff required to recover the gap attributable to FY 2020-21 is Rs.21.42, but keeping in view the resultant burden on the consumers, the proposed average hike has not been considered in the prescribe tariff .

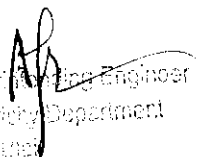
In view of the above, it is prayed to the Hon'ble Commission that considering the submissions in previous sections and price index for the period, the tariff be allowed.


 Director / Secretary
 PUN / Economic Affairs
 DE / PUN

7. Directives


It is submitted that the status of compliance of Directives issued by the Hon'ble Commission is being submitted separately.

सुधीश्वर चिन्तित / Superintending Engineer
विद्युत विभाग / Electricity Department
पुणे जिल्हा / Pune District



ANNEXURS

अधीक्षक अभियंता / Deputy Electrical Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair





INDIAN AUDIT & ACCOUNTS DEPARTMENT
Office of The Director General of Audit (Central), Kolkata
Branch Office: UT of A&N Islands
SP/1 South Point, Port Blair-744106



AUDIT CERTIFICATE

I have examined the Proforma Accounts of O/o the Superintending Engineer, Electricity Department, Port Blair for the Year 2016-17 and Balance Sheet as on 31.03.2017

I have obtained all the information and explanation that I have required and subject to the observation made in the appended Inspection Report, I certify that these accounts are properly drawn up so as to exhibit a true and fair view of the state of the affairs of the, office of the SE, Electricity Department, Port Blair, according to the best of the information and explanation given to me and as shown by the books of the Department.

[Handwritten Signature]
02-08-17

Dy. Director/ANI

A/c

[Handwritten Signature]
अधीन अधिका/दिग्दर्शन/अधीन अधिका
Digit. Dir. / Director / Digit. Dir.
अधीन अधिका/दिग्दर्शन



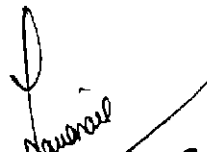
**ANDAMAN AND NICOBAR
ADMINISTRATION
ELECTRICITY DEPARTMENT**


**PROFORMA ACCOUNTS
FOR THE YEAR 2016-17**


Secretary of the Department of Engineering
HQ, ANA, Electricity Department


INCOME AND EXPENDITURE STATEMENT OF ELECTRICITY DEPARTMENT				
2015-16	Item no.	Particulars of expenditure	2016-17 subtotal	2016-17 grand total
	A	OIL POWER GENERATION		
	I	RUNNING OPERATION		
1,81,55,55,439	a	H.S.D oil consumed	2,12,71,63,294	
1,80,45,386	b	Lub oil consumed	3,03,87,955	
	c	Fresh water consumed		
1,97,63,58,842	d	Purchase of power	1,95,61,72,849	
3,80,99,59,667		Total of AI (a to d)	4,11,37,24,098	
54,59,42,129	e	Station supplies & Misc. Exp.	40,95,62,353	
34,79,34,750	f	Proportionate salaries, allowances, pension & house rent of PH staff	48,17,49,000	
	g	Wages & Gratuity of labours		
89,38,76,879		Total of AI (e to g)	89,13,31,353	
4,70,38,36,546		Total of AI (a to g)		5,00,50,55,451
	II	REPAIR AND MAINTENANCE		
11,59,78,250	a	Proportionate salaries, allowances, pension & house rent of PH staff	16,05,83,000	
	b	Wages & Gratuity of labours		
18,19,80,710	c	Station supplies & Misc. Exp. For R&M	13,65,27,451	
29,79,58,960		Total of AII		29,71,10,451
	III	DEPRECIATION		
2,30,13,164	a	Steam & oil generation	2,07,41,736	
65,45,501	b	Building	77,93,855	
2,95,58,665		Total of AIII		2,85,35,591
15,41,16,272	IV	PROPORTIONATE GENERAL & ADMINISTRATIVE EXP.		15,52,96,772
5,18,54,70,443		TOTAL C/F		5,48,59,98,264




 Anurag / Anurag Officer
 विद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

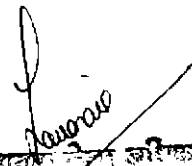

 वरिष्ठ लेखा अधिकारी
 Sr. Accounts Officer
 विद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

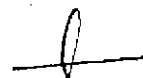

 अधीक्षक अभियंता / Superintending Engineer
 विद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair



 उप-अधीक्षक अभियंता / Sub Engineer
 विद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

INCOME AND EXPENDITURE STATEMENT OF ELECTRICITY DEPARTMENT				
2015-16	Item no.	Particulars of expenditure	2016-17 subtotal	2016-17 grand total
5,18,54,70,443		B/F		5,48,59,98,264
	B	TRANSMISSION & DISTRIBUTION		
26,02,43,100	a	Proportionate salaries, allowances, pension & house rent of T & D staff	25,47,79,200	
	b	Wages & Gratuity of labours		
3,07,98,783	c	Misc. Expenditure for R&M	1,06,19,714	
15,41,16,272	d	Proportionate Salary	15,52,96,772	
	e	Depreciation	43,50,941	
44,93,53,107		Total of B (a to e)		42,50,46,626
	C	CONSUMER SERVICE		
2,89,15,900	a	Proportionate salaries, allowances, pension & house rent of staff	2,83,08,800	
	b	Wages & Gratuity of labours		
34,22,087	c	Misc. Store for R&M	11,79,968	
3,23,37,987		Total of C		2,94,88,768
53,49,71,832	D	INTEREST ON MEAN CAPITAL		54,23,62,383
4,725	E	AUDIT FEES		4,725
2,61,060	F	DEPRECIATION ON T&P		47,12,136
	G	DEPRECIATION ON FURNITURE & FIXTURES		5,15,516
4,77,527		VEHICLES		56,43,385
35,07,244	H	PRIOR PERIOD ADJUSTMENT		
6,20,63,83,925				6,49,37,71,803





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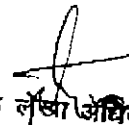

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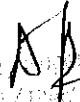
FOR THE YEAR ENDED 31st MARCH 2017				
2015-16	Item no.	Particulars of Income	2016-17	2016-17
			Sub-Total	Grand Total
	A I	NET REVENUE BY SALE OF ENERGY		
1,15,06,51,125	i	Actual Realised	1270156184	
9,19,24,553	ii	Less Previous Dues Realised	47351635	
8,89,28,096	iii	Add Outstanding for the Year	89745391	
1,14,76,54,668		Total of A I	1312549940	
	II	PUBLIC LIGHT		
4,26,25,499	i	Actual Realised	55672390	
50,03,810	ii	Less Previous Dues Realised	17469441	
1,50,21,390	iii	Add Outstanding for the Year	6808394	
5,26,43,079		Total II	45011343	
1,20,02,97,747		Total by Sale of Energy A (I + II)		1357561283
	B	MISC. REVENUE FROM CONSUMER METER RENT		
50,79,626	i	Actual Realised	6429311	
2,62,354	ii	Less Previous Dues Realised	749774	
2,17,838	iii	Add Outstanding for the Year	126590	
50,35,110		Total		5806127
	C	NEW SERVICE CONNECTION		
12,620	i	Actual Realised	8308	
-	ii	Less Previous Dues Realised	-	
-	iii	Add Outstanding for the Year	-	
12,620		Total		8,308
	D	ESTIMATES, RC FEES etc.		
1,06,65,253	i	Actual Realised	78,18,157	
5,23,631	ii	Less Previous Dues Realised	53,154	
-	iii	Add Outstanding for the Year	5,464	
10141622		Total		77,70,467
1,21,54,87,099		TOTAL C/F		1,37,11,46,185


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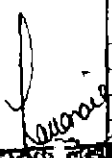

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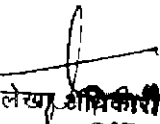

 प्रमुख अभियंता / Superintending Engineer
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 विद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

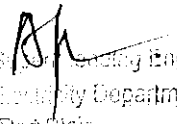
FOR THE YEAR ENDED 31st MARCH 2017			B/F
1,21,54,87,099			1,37,11,46,185
	E	Miscellaneous & others	
1,34,53,013	i	Actual Realised	1,09,95,709
46,707	ii	Less Previous Dues Realised	10,193
854	iii	Add Outstanding for the Year	
1,34,07,160		Total	1,09,85,516
87,864	F	SALE OF WASTE OIL	37,941
11,345	G	NRSE	16,000
	H	PRIOR PERIOD ADJUSTMENT	9,43,19,601
	I	PRIOR PERIOD SALE	
	J	SALE OF SOLAR LANTERN	
	K	SALE OF UNSERVICEABLE ITEMS	
	L	ESTIMATE FOR SHIFTING OF LINES	
	M	HIRE CHARGES OF VEHICLES	
	N	SALE OF TENDER FORMS	
4,97,73,90,457		Net Loss (i.e Expenditure over Income)	5,01,72,66,560
6,20,63,83,925			6,49,37,71,803


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 वरिष्ठ अभियंता / Sr. Engineering Officer
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 पोर्ट ब्लेयर / Port Blair

Balance Sheet as on 31st March, 2017				
2015-16	Item no.	LIABILITIES	2016-17 sub total	2016-17 grand total
	I	CAPITAL ACCOUNT		
	A	GOVT. CAPITAL ACCOUNT		
6,48,49,10,060	i	Opening Balance	6,64,32,33,060	
15,83,23,000	ii	Add Drawal	12,17,51,000	
6,64,32,33,060		Total of A	6,76,49,84,060	
	B	CURRENT ACCOUNT		
27,63,76,28,693	i	Opening Balance	32,40,56,32,180	
5,45,56,18,000	ii	Add Drawal	10,99,13,86,000	
53,49,71,832	iii	Add Interest on Capital	54,23,62,383	
33,62,82,18,525		Total	43,93,93,80,563	
1,22,25,86,345		Less Remittance	1,35,11,34,000	
		Add: Prior period adjustment	16,62,92,877	
32,40,66,32,180		Total of B	42,42,19,63,686	
	C	Losses		
	i	Up to Previous Year		
	ii	Add During the Year		
		Total of C		
39,04,88,66,240		TOTAL A+B-C		49,18,69,37,746
	D	DEPRECIATION FUND		
		Depreciation upto previous year		0
8,61,77,755	II A	SUSPENSE ACCOUNT		7,94,95,685
	B	CURRENT LIABILITY & PROVISION		
	a	Security Deposit		
	i	Staff Security Deposit		
1,98,95,827	ii	Consumer Security Deposit	1,97,73,552	
1,98,95,827		Total		1,97,73,552
	b	Undisbursed Salaries		
	III	SUNDRY CREDITORS TO OPEN ACCOUNT		
	i	Bulk Power Purchased		
4,97,80,26,724	ii	DGS & D Purchased		
	iii	Other Sundry Creditors		
4,97,80,26,724		Total		
	IV	ACCOUNT PAYABLE		
	i	Salaries & Wages Payable		
6,41,28,435	ii	Pension	6,87,97,978	
6,41,28,435		Total		6,87,97,978
	V	OTHER CURRENT ACCOUNT LIABILITY		
		Audit Fees		2,61,440
2,56,715				
44,19,73,50,696		GRAND TOTAL		49,36,62,66,401



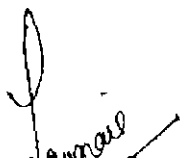
Signature
 बिद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

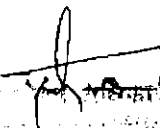
Signature
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 Sr. Accounts Officer
 बिद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair


Signature
 प्रमुख अभियंता / Superintending Engineer
 बिद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

Balance Sheet as on 31st March, 2017

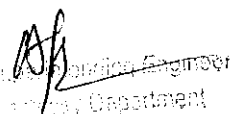
2015-16	Item no.	ASSETS	2016-17 sub total	2016-17 grand total
	I	FIXED ASSETS		
	A	LAND & BUILDING		
32,48,76,059	i	Opening Balance	31,83,30,558	
	ii	Addition		
65,45,501	iii	Less Depreciation	77,93,855	
31,83,30,558		Total of I A		31,05,36,703
	B	WASTING ASSETS		
30,23,37,837	i	Opening Balance	27,93,24,673	
	ii	Addition	88,82,11,616	
2,30,13,164	iii	Less Depreciation	2,07,41,736	
27,93,24,673		Total of I B		1,14,67,94,553
	C	OTHER EQUIPMENTS		
6,89,51,160	i	Opening Balance	6,47,56,208	
	ii	Addition	1,03,730	
41,94,952	iii	Less Depreciation	43,50,941	
6,47,56,208		Total of I C		6,05,08,997
	D	LOOSE TOOLS & PLANTS		
52,21,204	i	Opening Balance	49,60,144	
	ii	Addition		
2,61,060	iii	Less Depreciation	2,48,007	
49,60,144		Total of I D		47,12,136
	E	FURNITURE & FIXTURES		
75,44,188	i	Opening Balance	70,66,661	
	ii	Addition		
4,77,527	iii	Less Depreciation	5,15,516	
70,66,661		Total of I E		65,51,146
	F	VEHICLE		
4,84,26,204	i	Opening Balance	4,49,18,960	
	ii	Addition		
35,07,244	iii	Less Depreciation	56,43,385	
4,49,18,960		Total of I F		3,92,75,575
	G	CAPITAL WORK IN PROGRESS		
88,82,11,616	i	Payment of work executed		9,14,64,237
	H	STORES CAPITAL IN HAND		
8,61,77,755	i	Suspense Stores	7,94,95,685	
10,46,12,597	ii	Capital Stores 4801(P)	11,51,01,630	
19,07,90,352		Total of I G		19,45,97,315
	I	OPERATIVE STORE IN HAND		
18,25,37,671	i	Material in Store	17,68,35,028	
5,57,58,938	ii	Cost of Fuel Balance	11,50,99,667	
23,82,96,609		Total		29,19,34,695
	II	SUNDRY DEBTORS		
10,91,71,838	i	By Sale of Energy	74,02,23,480	
	ii	Due to Deposit Work		
1,42,71,884	iii	Due from other Departments	1,42,71,884	
12,34,43,722		Total		15,44,96,364


 सहायक लेखा अधिकारी
 Assistant Accountant
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 पोर्ट ब्लेयर / Port Blair


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 Assistant Engineer
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 सुपरिन्टेंडिंग इंजीनियर
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 Assistant Engineer
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ANDAMAN & NICOBAR ISLAND

**ENERGY DEMAND
YEAR 2018-19**

Sr. No.	Category of Consumer***	No. of Consumers at the end of the year (Nos.)	Connected Load at the end of the Year (KW)	Demand (in MW)		Energy Sale/Demand (MUs)
				Unrestricted	Restricted	
1	2	3	4	5	6	7
1	Domestic	112014	155414	35.93	0.00	133.66
2	Commercial (NRS)	19538	60925	14.08	0.00	61.36
3	Industrial					
(a)	HT Supply	0	0	0.00	0.00	0.00
(b)	LT Supply	581	22990	5.31		21.03
(c)	Total	581	22990	5.31	0.00	21.03
4	Public Lighting	689	2870	0.66		6.72
5	Railway Traction	0	0	0.00	0.00	0.00
6	Total Metered Sales (except Agriculture) within State/UT (total: 1 to 5)	132822	242199	55.99	0.00	222.76
7	Agricultural Consumption					
(a)	Metered	381	2977	0.69	0.00	1.02
(b)	Un-metered	0	0	0.00	0.00	0
(c)	Total	381	2977	0.69	0.00	1.02
8	Temporary	723	1986	0.46		0.78
9	LIG (Unmetered)	0	0	0.00	0.00	
10	Bulk supply	64	12388	2.86		29.83
10	Total Demand/ Sale Within State/UT (6 to 9)	133990	259550	60.00	0.00	254.38


 Director, Electricity Department
 Andaman & Nicobar Islands

Information regarding AT&C LOSS OF licensee**Name of State/UT Andaman & Nicobar Island****Name of licensee Electricity Department, Andaman & Nicobar Administration.**

SL. No.	Particulars	Calculati on	Unit	Previous Years (Actuals)	Current Year (R.E)	Ensuing Year (Projection)
				2018-19	2019-20	2020-21
1	Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of DISCOM.	A	MU	80.40	70.05	77.61
2	Input energy (metered Import) received at interface points of DISCOM network.	B	MU	218.87	241.74	249.02
3	Input energy (metered Export) by the DISCOM at interface points of DISCOM network.	C	MU	0	0	0.00
4	Total energy available for sale within the licensed area to the consumers of the DISCOM.	D=A+B-C	MU	299.26	311.79	326.63
5	Energy billed to metered consumers within the licensed area of the DISCOM.	E	MU	254.37	267.08	281.42
6	Energy billed to un-metered consumers within the licensed area of the DISCOM.	F	MU	0.00	0.00	0.00
7	Total energy billed	G=E+F	MU	254.37	267.08	281.42
12	Distribution loss (%)	$H = \{(D-G)/D\} \times 10$	%	15.00	14.34	13.84

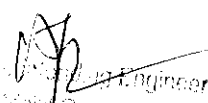

 Director, Electricity Department
 Port Blair

Electricity Department, Andaman & Nicobar Island

ENERGY BALANCE

(All figures in MU)


Sr. No.	Item	Previous Year (Actuals) 2018-19	Current Year (R.E) 2019-20	Ensuing Year (Projection) 2020-21
1	2	3	4	5
A)	ENERGY REQUIREMENT			
1	Energy sales to metered category within the State/UT	253.35	266.02	280.33
2	Energy sales to Agriculture consumers	1.02	1.06	1.09
3	Total sales within the State/UT	254.37	267.08	281.42
4	Sales to common pool consumers/ UI	0.00	0.00	0.00
5	Sales outside state/UT	0.00	0.00	0.00
6	Sales	0.00	0.00	0.00
	a) To electricity traders	0.00	0.00	0.00
	b) Through PX	0.00	0.00	0.00
7	Sales to other distribution licensees	0.00	0.00	0.00
	a) Bilateral Trade	0.00	0.00	0.00
	b) Banking Arrangement	0.00	0.00	0.00
8	Total sales	254.37	267.08	281.42
9	T&D losses			
	i) %	15.00	14.34	13.84
	ii) MU	44.89	44.71	45.21
10	Total energy requirement	299.26	311.79	326.63
B)	ENERGY AVAILABILITY			
1	Net thermal & Solar generation (Own+ IPP+ HPP)	282.70	295.23	310.07
2	Net hydel generation (own)	16.56	16.56	16.56
	Power Purchased from	0.00	0.00	0.00
	a) Common Pool/UI	0.00	0.00	0.00
	b) Traders	0.00	0.00	0.00
	c) PX	0.00	0.00	0.00
	d) Others			
4	Net power purchase (1 +2 +3)	299.26	311.79	326.63
5	Total energy availability	299.26	311.79	326.63


 Chief Engineer
 Dept. of Electricity Department
 Port Blair

Electricity Department, Andaman & Nicobar Island
POWER PURCHASE COST


YEAR 2018-19

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		Gen. (MU)	Availability / PLF (in %)	AFC (Rs. Crore)	Licensee share (%)	Purchase (MU)	External losses (%)	Energy recd. by Licensee	VC (Ps/ Unit)	FC (Rs. crores)	VC (Rs. crore)	Others (Rs. crore)	Total (Rs. crore)
			%	MW												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Power Purchase															
i.	HPP-I	5.00	100.00	5.00	41.61	94.99	100.00	41.61	0.00	41.54	0.00	3.60	69.11	0.00		
ii.	HPP-II	10.00	100.00	10.00	79.12	90.32	100.00	79.12	0.00	79.03	0.00	9.39	124.19	0.00		
iii.	NTPC DG 5MW Aggreko	5.00	100.00	5.00	43.07	98.34	100.00	43.07	0.00	43.07	0.00	6.02	70.69	0.00		
iv.	NTPC DG 10MW NVVN	10.00	100.00	10.00	31.21	35.63	100.00	31.21	0.00	31.21	0.00	3.90	49.72	0.00		
v.	DG P/Plant Niel	0.50	100.00	0.50	3.50	79.84	100.00	3.50	0.00	3.50	0.00	0.35	6.27	0.00		373.04
vi.	DG P/Plant Havelock	2.40	100.00	2.40	12.66	60.24	100.00	12.66	0.00	12.66	0.00	1.46	20.06	0.00		
vii.	SECI Solar	4.00	100.00	4.00	1.11	6.31	100.00	1.11	0.00	1.11	0.00	0.54	0.00	0.00		
viii.	M/s. MUNDRA	2.50	100.00	2.50	0.54	4.95	100.00	0.54	0.00	0.54	0.00	0.12	0.00	0.00		
ix.	G/Charama (SPV) NTPC	5.00	100.00	5.00	5.80	13.23	100.00	5.80	0.00	5.80	0.00	0.00	5.33	0.00		
x.	HPP - others	0.23	100.00	0.23	0.40	21.07	100.00	0.40	0.00	0.40	0.00	1.69	0.63	0.00		
2	Own-generation.															
i.	Diesel	68.89	100.00	68.89	71.51	0.00	100.00	71.51	0.00	64.58	0.00	0.00	0.00	0.00		133.59
ii.	Renewable	5.25	100.00	5.25	16.56	24.26	100.00	16.56	0.00	15.81	0.00	0.00	0.00	0.00		
3	PTC/Traders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
4	Others (may be specified)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
5	UI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
III	Other Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Total	118.77		118.77	307.09			307.09		299.26		0.00	0.00	0.00	0.00	506.63


 Assistant Engineer / Supervising Engineer
 Fuel, Heat / Electricity Department
 Andaman & Nicobar Islands

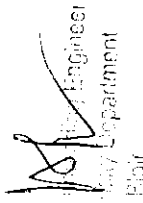
Electricity Department, Andaman & Nicobar Island
POWER PURCHASE COST
YEAR 2019-20

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		Gen. (MU)	Availability / PLF (In %)	AFC (Rs. Crore)	Licensee share (%)	Purchase (MU)	External losses (%)	Energy recd. by Licensee	VC (Ps/ Unit)	FC (Rs. crores)	VC (Rs. crore)	Others (Rs. crore)	Total (Rs. crore)
			%	MW												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Power Purchase															
i.	HPP-I	5.00	100.00	5.00	41.61	94.99	100.00	41.61	0.00	41.54	0.00	3.60	69.11	0.00		
ii.	HPP-II	10.00	100.00	10.00	79.12	90.32	100.00	79.12	0.00	79.03	0.00	9.39	124.19	0.00		
iii.	NTPC DG 5MW Aggreko	5.00	100.00	5.00	43.07	98.34	100.00	43.07	0.00	43.07	0.00	6.02	70.69	0.00		
iv.	NTPC DG 10MW NYVN	10.00	100.00	10.00	53.51	35.63	100.00	53.51	0.00	52.51	0.00	6.68	85.23	0.00		
v.	DG P/Plant Niel	0.50	100.00	0.50	3.50	79.84	100.00	3.50	0.00	2.99	0.00	0.35	6.27	0.00		
vi.	DG P/Plant Havelock	2.40	100.00	2.40	12.66	60.24	100.00	12.66	0.00	12.66	0.00	1.46	20.06	0.00	414.92	
vii.	SECT Solar	4.00	100.00	4.00	1.11	6.31	100.00	1.11	0.00	1.11	0.00	0.54	0.00	0.00		
viii.	M/s. MUNDRA	2.50	100.00	2.50	0.54	4.95	100.00	0.54	0.00	0.54	0.00	0.12	0.00	0.00		
ix.	Mona Gen.(Mayabandar)	1.60	100.00	1.60	2.08	29.68	100.00	2.08	0.00	2.08	0.00	0.26	3.23	0.00		
x.	G/Charama (SPV) NTPC	5.00	100.00	5.00	5.80	13.23	100.00	5.80	0.00	5.80	0.00	0.00	5.42	0.00		
xi.	HPP - others	0.23	100.00	0.23	0.40	21.07	100.00	0.40	0.00	0.40	0.00	1.69	0.63	0.00		
2	Own-generation.															
i.	Diesel	68.89	100.00	68.89	57.69	0.00	100.00	57.69	0.00	51.93	0.00	0.00	0.00	0.00	107.71	
ii.	Renewable	5.25	100.00	5.25	16.56	36.01	100.00	16.56	0.00	15.81	0.00	0.00	0.00	0.00		
3	PTC/Traders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	Others (may be specified)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	UI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
III	Other Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total	120.37		120.37	317.64			317.64		309.49		0.00	0.00	0.00	522.64	


 Director
 Power Purchase Department
 Andaman & Nicobar Island

Electricity Department, Andaman & Nicobar Island

Sl. No.	Name of scheme	Proposed Capital Expenditure (Rs. Crores)	
		FY 2019-20	FY 2020-21
1	Erection & Commissioning of New 4 MW DG Power Plant at PBPH Complex, Andaman for High-efficient and reliability supply of electricity and expected to complete before November 2020.	10	10
2	New Installation and Repairment & augmentation on the existing distribution transformers (Total 60 no's of Distribution Transformer) at 33/11 KV existing sub-station including HT/LT Panels.	1.45	2.02
3	Laying of HT/LT new cable line and also replacement of old and defective cables in all the Island.	4.87	8.28
	TOTAL	16.32	20.30


 District Engineer
 Public Utility/ Electricity Department
 Old Bldg/ Port Blair

Electricity Department, Andaman & Nicobar IslandCapital Base and Return


Sr. No.	Particulars	(Rs. in crores)		
		Previous Year (Actuals)	Current Year (R.E)	Ensuing Year (Projection)
1	2	3	4	5
1	Gross block at beginning of the year	243.65	262.35	268.67
2	Less accumulated depreciation	126.76	133.60	140.79
3	Net block at beginning of the year	116.89	128.74	127.87
4	Less accumulated consumer contribution	0.00	0.00	0.00
5	Net fixed assets at beginning of the year	116.89	128.74	127.87
6	Reasonable return @3% of NFA	3.51	3.86	3.84

अधीक्षक विद्युत विभाग,
विद्युत विभाग, अण्डमान और निकोबार प्रदेश
पोर्ट ब्लेयर / Port Blair

Electricity Department, Andaman & Nicobar Island.

Original Cost of Fixed Assets
(Rs. in crores)

Sr. No.	Assets group	Value of assets at the beginning of previous year	Addition during previous year	Closing balance at the end of previous year	Addition during current year *	Closing balance at the end of current year	Addition during current year *	Closing balance at the end of current year		
		2017-18 3	2017-18 4	2017-18 5	2018-19 6	2018-19 7	2019-20 8	2019-20 9	2020-21 10	2020-21 11
1	Thermal	222.07	21.58	243.65	18.70	262.35	6.32	268.67	30.30	298.97
2	Hydro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Internal combustion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Transmission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Distribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Total	222.07	21.58	243.65	18.70	262.35	6.32	268.67	30.30	298.97


 Engineer
 Electricity Department
 Old shed / Port Blair

Format-8

Electricity Department, Andaman & Nicobar Island
Works-in-Progress

Sr. No.	Particulars	2018-19 (actual)	2019-20 (RE)	(Rs. in crores)	
				2020-21 (Projection)	2020-21 (Projection)
1	2	3	4	5	
1	Opening balance	11.17	11.17	21.17	21.17
2	Add: New investments	5.61	16.32	20.30	20.30
3	Total	16.78	27.49	41.47	41.47
4	Less investment capitalized	5.61	6.32	30.30	30.30
5	Closing balance	11.17	21.17	11.17	11.17

Format-9

Electricity Department, Andaman & Nicobar Island
Interest Capitalized

Sr. No.	Particulars	2018-19 (actual)	2019-20 (RE)	(Rs. in crores)	
				2020-21 (Projection)	2020-21 (Projection)
1	2	3	4	5	
1	WIP*	11.17	21.17	11.17	11.17
2	GFA* at the end of the year	262.35	268.67	298.97	298.97
3	WIP+GFA at the end of the year	273.51	289.83	310.13	310.13
4	Interest(excluding interest on WCL*)	25.57	27.68	29.62	29.62
5	Interest Capitalized	0.00	0.00	0.00	0.00

Chief Engineer
New Delhi/ Andaman & Nicobar Department
010 261447 / 261448

Electricity Department, Andaman & Nicobar Island

Details of loans for the year.

[Information to be supplied for the previous year (actuals), current year (RE) and all the three MYT control period years (projections)]
(Rs. in Crores)

Sl. No.	Particulars (source)	Opening balance	Rate of interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid		
							Current Year 2015-16 (RE)	Ensuing year 2016-17 (projections)	Ensuing year 2017-18 (projections)
		3	4	5	6	7	8	9	10
1	SLR Bonds	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Non SLR Bonds	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	LIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	REC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Commercial Banks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Bills discounting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Lease rental	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	PFC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	GPF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	CSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Working capital loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Others	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Add Govt. loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	- State Govt.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	- Central Govt.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Total (13+14)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Less capitalization	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	Net interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Add prior period	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Total interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Total interest and finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Engineer
In-charge/Assistant Engineer
and
Joint Engineer

Electricity Department, Andaman & Nicobar Island

Information regarding restructuring of outstanding loans during the year

Sr. No.	Source of loan	Amount of original loan (Rs. in crores)	Old rate of interest	Amount already restructured (Rs. in crores)		Revised rate of interest	Amount now being restructured (Rs. in crores)	New rate of interest
				5	6			
1	2	3	4	5	6	7	8	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00


 Engineer
 Electricity Department
 Union Territory of Andaman & Nicobar Islands

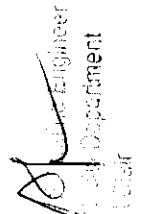
Electricity Department Andaman & Nicobar Island
Value of Assets and Depreciation Charges

Sr. No.	Particulars Name of the Assets	Rate of depreciation*	Previous Year 2017-18		Previous Year 2018-19		Current Year 2019-20		Ensuing Year 2020-21	
			Net Assets value at the beginning of the year	Depreciation charges	Net Assets value at the beginning of the year	Depreciation charges	Net Assets value at the beginning of the year	Depreciation charges	Net Assets value at the beginning of the year	Depreciation charges
			4	5	6	7	8	9	10	11
1	2	3	4	5	6	7	8	9	10	11
	(i) Thermal									
1	Land and land rights		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Buildings		28.02	0.64	32.87	0.74	38.13	0.85	37.28	0.85
3	Hydraulic works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Other civil works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Plant and machinery		69.89	5.21	80.51	5.78	87.13	6.23	87.22	6.46
6	Lines and cable network		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vehicles		0.65	0.23	0.42	0.23	0.19	0.00	0.19	0.00
8	Furniture and fixtures		0.25	0.02	0.23	0.02	0.21	0.02	0.19	0.02
9	Computer		1.81	0.06	2.00	0.07	2.23	0.09	2.14	0.09
10	Total		100.61	6.16	116.03	6.85	127.88	7.19	127.01	7.42
	(ii) Hydel									
1	Land and land rights		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Buildings		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hydraulic works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Other civil works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Plant and machinery		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Lines and cable network		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vehicles		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Furniture and fixtures		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Office equipment		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Sr. No.	Particulars Name of the Assets	Rate of depreciation*	Previous Year 2017-18		Previous Year 2018-19		Current Year 2019-20		Ensuing Year 2020-21	
			Net Assets value at the beginning of the year	Depreciation charges	Net Assets value at the beginning of the year	Depreciation charges	Net Assets value at the beginning of the year	Depreciation charges	Net Assets value at the beginning of the year	Depreciation charges
1	2	3	4	5	6	7	8	9	10	11
	(iii) Internal combustion									
1	Land and land rights		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Buildings		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hydraulic works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Other civil works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Plant and machinery		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Lines and cable network		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vehicles		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Furniture and fixtures		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Office equipment		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(iv) Transmission									
1	Land and land rights		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Buildings		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hydraulic works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Other civil works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Plant and machinery		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Lines and cable network		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vehicles		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Furniture and fixtures		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Office equipment		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(v) Distribution									
1	Land and land rights		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Buildings		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Hydraulic works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Other civil works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Plant and machinery		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Lines and cable network		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Vehicles		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Furniture and fixtures		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Office equipment		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(vi) Others									
	Grand Total (i to vi)		100.61	6.16	116.03	6.85	127.88	7.19	127.01	7.42

Electricity Department, Union Territory of Andaman & Nicobar Islands

Nil


 Engineer
 High Voltage Electrical Department
 HVC/HRV/PS/1/2018

Electricity Department, Andaman & Nicobar Island

Repair and Maintenance Expenses

(Rs. in crores)

Sr. No	Particulars	Previous year (actual)	Current year (RE)	Ensuing Year (Projection)
		2018-19	2019-20	2020-21
1	2	3	4	5
1	Plant & machinery	58.04	59.21	60.39
	-Plant & Apparatus	0.00	0.00	0.00
	-EHV substations	0.00	0.00	0.00
	- 33kV substation	0.00	0.00	0.00
	- 11kV substation	0.00	0.00	0.00
	- Switchgear and cable connections	0.00	0.00	0.00
	- Others	0.00	0.00	0.00
	Total	58.04	59.21	60.39
2.	Building	0.00	0.00	0.00
3.	Hydraulic works & civil works			
4.	Line cable & network	0.00	0.00	0.00
	-EHV Lines	0.00	0.00	0.00
	- 33kV lines	0.00	0.00	0.00
	- 11kV lines	0.00	0.00	0.00
	- LT lines	0.00	0.00	0.00
	- Meters and metering equipment	0.00	0.00	0.00
	- Others	0.00	0.00	0.00
	Total	0.00	0.00	0.00
5.	Vehicles	0.00	0.00	0.00
6.	Furniture & fixtures	0.00	0.00	0.00
7.	Office equipments	0.00	0.00	0.00
8.	Operating expenses	0.00	0.00	0.00
9.	Total	58.04	59.21	60.39
10.	Add/Deduct share of others (To be specified)	0.00	0.00	0.00
11.	Total expenses	58.04	59.21	60.39
12.	Less capitalized	0.00	0.00	0.00
13.	Net expenses	58.04	59.21	60.39
14.	Add prior period *	0.00	0.00	0.00
15.	Total expenses charged to revenue as R&M expenses	58.04	59.21	60.39

Electricity Department, Andaman & Nicobar IslandTotal Number of Employees

Sr. No.	Particulars	Previous Year (actuals) 2018- 19	Current year (RE) 2019-20	Ensuing Year (Projection) 2020-21
1	2	3	4	5
1	Number of employees as on 1st April	2272	2378	2455
2	Employees on deputation/ foreign service as on 1st April	0	0	0
3	Total number of employees (1+2)	2272	2378	2455
4	Number of employees retired/retiring during the year	116	120	105
5	Number of employees Recruited during the year	222	197	217
6	Number of employees at the end of the year (3-4+5)	2378	2455	2567

Secretary (General) / Supply & Trading Engineer
 (RE) (Ops) / Electricity Department
 4th Floor / Post-Box

Electricity Department, Andaman & Nicobar Island**Employee Cost for the year****[Information to be supplied for the previous year (actual), current year
(Rs. in crores)]**

Sr. No	Particulars	Previous Year (actual) 2018-19	Current year (revised) 2019-20	Ensuing Year (Projection) 2020-21
1	2	3	4	5
	Salaries & Allowances			
1	Basic pay			
2	Dearness pay			
3	Dearness allowance			
4	House rent allowance			
5	Fixed medical allowance			
6	Medical reimbursement charges			
7	Over time payment			
8	Other allowances (detailed list to be attached)			
9	Generation incentive			
10	Bonus			
11	Total			
	Terminal Benefits			
12	Leave encashment			
13	Gratuity	127.41	129.95	132.55
14	Commutation of pension			
15	Workmen compensation			
16	Ex-gratia			
17	Total			
	Pension Payments			
18	Basic pension			
19	Dearness pension			
20	Dearness allowance			
21	Any other expenses			
22	Total			
23	Total (11+17+22)			
24	Amount capitalized			
25	Net amount			
26	Add prior period expenses			
27	Grand total	127.41	129.95	132.55



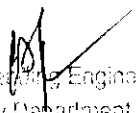
अधीनस्थ अभियंता / Superintending Engineer
 बिहार विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

Electricity Department, Andaman & Nicobar Island

Administration and General Expenses

(Rs. in crores)

Sr. No.	Sub-head	Previous year (actual) 2018-19	Current year (RE) 2019-20	Ensuing Year (Projection) 2020-21
1	2	3	4	5
1	Rent, rates & taxes			
2	Insurance			
3	Telephone, postage & telegrams			
4	Consultancy fees			
5	Technical fees			
6	Other professional charges			
7	Conveyance & travel expenses			
8	Electricity & water charges			
9	Others			
10	Freight	15.93	17.23	18.64
11	Other material related expenses			
12	Total			
13	Add/Deduct share of others (io be specified)			
14	Total expenses			
15	Less capitalized			
16	Net expenses			
17	Add prior period*			
18	Total expenses charged to revenue	15.93	17.23	18.64


 अधीक्षक अभियंता / Superintendent Engineer
 विद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

Format-17

Electricity Department, Andaman & Nicobar Island
Information regarding Bad and Doubtful Debts

Sr. No.	Particulars	Amount (Rs. in crores)
1	2	3
1	Amount of receivable bad and doubtful debts (audited)	0.00
2	Bad and doubtful debts actually written-off in the books of accounts	
3	Provision made for debts in ARR	0.00

Format-18

Electricity Department, Andaman & Nicobar Island
Information regarding Working Capital for the current and ensuing year

Sr. No.	Particulars	Amount (in Crores Rs.)		
		Previous year (Actual) 2018-19	Current year (RE) 2019-20	Ensuing Year (Projection) 2020-21
1	2	3	4	5
1	O&M Expenses for one month	16.78	17.20	17.63
2	Maintenance for spares @40% of R&M	23.22	23.68	24.16
3	Receivables for 2 months	26.29	29.71	32.70
4	Less; Adjustment for security Deposit	0.00	0.00	0.00
5	Net Working Capital	66.29	70.59	74.49
6	Rate of Interest for Working Capital	14.75%	10.55%	10.55%
7	Interest on Working Capital	9.78	7.45	7.86

अधीक्षक अभियंता / Superintendent Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair

Format-19

**Electricity Department, Andaman & Nicobar Island
Information regarding Foreign Exchange Rate Variation (FERV)**

Sr. No.	Particulars	Amount (Rs. in crores)
1	2	3
1	Amount of liability provided	
2	Amount recovered	Nil
3	Amount adjusted	

Format-20

**Electricity Department, Andaman & Nicobar Island
Non Tariff Income**

Sr. No.	Particulars	(Rs. in crores)		
		Previous year (actuals) 2018- 19	Current year (RE) 2019-20	Ensuing Year (Projection) 2020- 21
1	2	3	4	5
1	Meter/service rent	2.80	2.94	3.09
2	Late payment surcharge	0.00	0.00	0.00
3	Theft/pilferage of energy	0.00	0.00	0.00
4	Wheeling charges under open access	0.00	0.00	0.00
5	Income from trading	0.00	0.00	0.00
6	Income staff welfare activities	0.00	0.00	0.00
7	Misc. Receipts/income	0.00	0.00	0.00
8	Total income	2.80	2.94	3.09
9	Add prior period income*	0.00	0.00	0.00
10	Total non tariff income	2.80	2.94	3.09

Format-21

Electricity Department, Andaman & Nicobar Island
Information regarding Revenue from Other Business.

		Previous year (actual) 2018-19	Current year (RE) 2019-20	Ensuing Year (Projection) 2020-21
1	2	3	4	5
1	Total revenue from other business	0.00	0.00	0.00
2	Income from other business to be considered for licensed business as per regulations	0.00	0.00	0.00

Format-22

Electricity Department, Andaman & Nicobar Island
Lease Details.

Sr. No.	Name of Lesser	Lease entered on	Secondary period ending by
1	2	3	4
		0.00	0.00
		0.00	0.00
	NIL	0.00	0.00
		0.00	0.00
		0.00	0.00

सहायक अधिकारी/सुपरवाइजिंग इंजीनियर
विद्युत विभाग/एलेक्ट्रिसिटी विभाग
नई दिल्ली/ पॉस्ट डिपार्टमेंट

Format-23**Electricity Department, Andaman & Nicobar Island****Information regarding Wholesale Price Index (All Commodities)
(To be supported with documentary evidence)**

Sr. No.	Period	WPI/CPI*	Increase over previous year
1	2	3	4
1	As on April 1 of Previous Year	Nil	
2	As on April 1 of Current Year		
3	As on April 1 of ensuring Year		

*CPI is not necessary in case the same is deleted in draft Regulations 28.3(b).

Format-24**Electricity Department, Andaman & Nicobar Island****Information regarding amount of equity and loan**

Sr. No.	Period	Amount of equity (Rs. in crore)	Amount of loan (Rs. in crore)	Ratio of equity & loan
1	2	3	4	5
1	As on March 31 of previous Year 2018-19	73.44	87.30	30:70
2	As on March 31 of ensuring Year 2019-20	75.34	84.54	30:70
3	As on March 31 of ensuring Year 2020-21	79.88	98.33	30:70

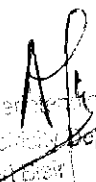
सुपरिन्टेन्डिंग इंजीनियर / Superintendent Engineer
विद्युत विभाग / Electricity Department
पोर्ट ब्लेयर / Port Blair

Format-25

Electricity Department, Andaman & Nicobar Island
Annual Revenue Requirement

(Rs. in crores)

Sr. No.	Item of expense	FY 2018-19	FY 2019-20	FY 2020-21
1	2	3	4	5
1	Cost of fuel	133.59	107.71	122.62
2	Cost of power purchase	373.04	414.92	427.09
3	Employee costs	127.41	129.95	132.55
4	R&M expenses	58.04	59.21	60.39
5	Administration and general expenses	15.93	17.23	18.64
6	Depreciation	6.85	7.19	7.42
7	Interest & Finance Charges	12.42	8.21	8.73
8	Interest on working capital	9.78	7.45	7.79
9	Return on NFA /Equity	12.14	11.90	12.78
10	Provision for Bad Debit	0.00	0.00	0.00
11	Total revenue requirement	749.20	763.77	798.00
12	Less: non tariff income	2.80	2.94	3.09
13	Net revenue requirement (11-12)	746.39	760.83	794.91
14	Revenue from tariff	157.73	182.79	192.05
15	Gap	588.66	578.04	602.86
16	Gap for -----	0.00	0.00	0.00
17	Total gap (14+15)	588.66	578.04	602.86
18	Revenue surplus carried over	0.00	0.00	0.00
19	Additional revenue from proposed tariff	0.00	0.00	0.00
20	Regulatory asset	0.00	0.00	0.00
21	Energy sales (MU)	254.37	267.08	281.42



 Director / Superintendent Engineer
 Andaman & Nicobar Islands
 Electricity Department
 Port Blair

Electricity Department, Andaman & Nicobar Island

Revenue from Existing Tariff

(Information to be supplied for previous year (actuals), current year (RE), ensuing year (projections))

							2019-20
Sr. No.	Category of consumers	No. of Consumers	Energy sales (MU)	Contacted Max. Demand KVA	Demand Charges (Rs/KVA)	Tariff rates (p/unit)	Revenue (Rs. in crores)
1	2	3	4	5	6	7	8
1	Domestic						
a)	Up to 100 units	0.00	0.00	0.00	0.00	0.00	0.00
b)	101-200 units	0.00	0.00	0.00	0.00	0.00	0.00
c)	201 & above	0.00	0.00	0.00	0.00	0.00	0.00
d)	Other charges	0.00	0.00	0.00	0.00	0.00	0.00
	Total	115766	142.21	0.00	0.00	4.04	59.88
2	Commercial						
	0-200 units	0.00	0.00	0.00	0.00	0.00	0.00
	201 - to 500 units	0.00	0.00	0.00	0.00	0.00	0.00
	501 units & above	0.00	0.00	0.00	0.00	0.00	0.00
	Total	20871	62.56	0.00	0.00	9.40	59.58
3	Public lighting	697	6.72	0.00	0.00	6.10	4.74
	Temporary	0.00	0.00	0.00	0.00	0.00	0.00
4	Industrial						
a)	HT						
i)	HT (A) Motive						
	0-50000	0.00	0.00	0.00	0.00	0.00	0.00
	Above 50000	0.00	0.00	0.00	0.00	0.00	0.00
ii)	HT (B) Furnace						
	0-300	0.00	0.00	0.00	0.00	0.00	0.00
	301-500	0.00	0.00	0.00	0.00	0.00	0.00
	Above 500	0.00	0.00	0.00	0.00	0.00	0.00
iii)	HT (C) Rolling Mill						
	0-200	0.00	0.00	0.00	0.00	0.00	0.00
	201-300	0.00	0.00	0.00	0.00	0.00	0.00
	Above 300	0.00	0.00	0.00	0.00	0.00	0.00
iv)	Panel charges	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0	0.00	0.00	0.00	0.00	0.00
b)	LT	598	23.13	0.00	0.00	0.00	0.00
	Total (a+b)	598	23.13	0.00	0.00	6.52	16.95
5	Bulk supply	66	31.41	0.00	0.00	0.00	0.00
6	Railway traction	0.00	0.00	0.00	0.00	0.00	0.00
7	Common pool/ UI	0.00	0.00	0.00	0.00	0.00	0.00
8	Outside state	0.00	0.00	0.00	0.00	0.00	0.00
9	Total	66	31.41	0.00	0.00	12.50	41.22
10	Agriculture consumption	424	1.06	0.00	0.00	0.00	0.00
11	Total	424	1.06	0.00	0.00	1.60	0.41
12	Add MMC and Other charges	0.00	0.00	0.00	0.00	0.00	0.00
	Surcharge (HT)	0.00	0.00	0.00	0.00	0.00	0.00
	PF Charges (HT)	0.00	0.00	0.00	0.00	0.00	0.00
	Diff. of Arrears & Credit)	0.00	0.00	0.00	0.00	0.00	0.00
13	Grand Total	138423	267.08	0.00	0.00	6.84	182.79
14	Grand Total	182.79					


 Superintendent Engineer
 Electricity Department
 Port Blair

Electricity Department, Andaman & Nicobar Island

Revenue from Existing Tariff

(Information to be supplied for previous year (actuals), current year (RE), ensuing year (projections))

2020-21 (As per existing Tariff)

Sr. No.	Category of consumers	No. of Consumers	Energy sales (MU)	Contacted Max. Demand KVA	Demand Charges (Rs/KVA)	Tariff rates (p/unit)	Revenue (Rs. in crores)
1	2	3	4	5	6	7	8
1	Domestic						
a)	Up to 100 units	0.00	0.00	0.00	0.00	0.00	0.00
b)	101-200 units	0.00	0.00	0.00	0.00	0.00	0.00
c)	201 & above	0.00	0.00	0.00	0.00	0.00	0.00
d)	Other charges	0.00	0.00	0.00	0.00	0.00	0.00
							0.00
	Total	119645	161.00	0.00	0.00	4.04	63.64
2	Commercial						
	0-200 units	0.00	0.00	0.00	0.00	0.00	0.00
	201 - to 500 units	0.00	0.00	0.00	0.00	0.00	0.00
	501 units & above	0.00	0.00	0.00	0.00	0.00	0.00
	Total	21499	65.04	0.00	0.00	9.40	60.75
3	Public lighting	705	6.72	0.00	0.00	6.10	4.74
	Temporary	0.00	0.00	0.00	0.00	0.00	0.00
4	Industrial						
a)	HT						
i)	HT (A) Motive						
	0-50000	0.00	0.00	0.00	0.00	0.00	0.00
	Above 50000	0.00	0.00	0.00	0.00	0.00	0.00
ii)	HT (B) Furnace						
	0-300	0.00	0.00	0.00	0.00	0.00	0.00
	301-500	0.00	0.00	0.00	0.00	0.00	0.00
	Above 500	0.00	0.00	0.00	0.00	0.00	0.00
iii)	HT (C) Rolling Mill						
	0-200	0.00	0.00	0.00	0.00	0.00	0.00
	201-300	0.00	0.00	0.00	0.00	0.00	0.00
	Above 300	0.00	0.00	0.00	0.00	0.00	0.00
iv)	Panel charges	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0	0.00	0.00	0.00	0.00	0.00
b)	LT	616	27.99	0.00	0.00	0.00	0.00
	Total (a+b)	616	27.99	0.00	0.00	6.70	19.06
5	Bulk supply	68	34.82	0.00	0.00	0.00	0.00
6	Railway traction	0.00	0.00	0.00	0.00	0.00	0.00
7	Common pool/ UI	0.00	0.00	0.00	0.00	0.00	0.00
8	Outside state	0.00	0.00	0.00	0.00	0.00	0.00
9	Total	68	34.82	0.00	0.00	12.50	43.42
10	Agriculture consumption	473	1.13	0.00	0.00	0.00	0.00
11	Total	473	1.13	0.00	0.00	1.60	0.43
12	Add MMC and Other charges	0.00	0.00	0.00	0.00	0.00	0.00
	Surcharge (HT)	0.00	0.00	0.00	0.00	0.00	0.00
	PF Charges (HT)	0.00	0.00	0.00	0.00	0.00	0.00
	Diff. of Arrears & Credit)	0.00	0.00	0.00	0.00	0.00	0.00
13	Grand Total	143005	296.69	0.00	0.00	6.47	192.05
14	Grand Total	192.05					

ॐ श्री गणेशाय नमः / Superintendent Engineer
 ॐ श्री गणेशाय नमः / Electricity Department
 ॐ श्री गणेशाय नमः / Port Blair

Electricity Department, Andaman & Nicobar Island

Revenue from Proposed Tariff

(Information to be supplied for previous year (actuals), current year (RE), ensuing year (projections))

2020-21 (As per proposed Tariff)

Sr. No.	Category of consumers	No. of Consumers	Energy sales (MU)	Contacted Max. Demand KVA	Demand Charges (Rs/KVA)	Tariff rates (p/unit)	Revenue (Rs. in crores)
1	2	3	4	5	6	7	8
1	Domestic						
a)	Up to 100 units	0.00	0.00	0.00	0.00	0.00	0.00
b)	101-200 units	0.00	0.00	0.00	0.00	0.00	0.00
c)	201 & above	0.00	0.00	0.00	0.00	0.00	0.00
d)	Other charges	0.00	0.00	0.00	0.00	0.00	0.00
	Total	119645	151.31	0.00	0.00	4.04	63.64
2	Commercial						
	0-200 units	0.00	0.00	0.00	0.00	0.00	0.00
	201 - to 500 units	0.00	0.00	0.00	0.00	0.00	0.00
	501 units & above	0.00	0.00	0.00	0.00	0.00	0.00
	Total	21499	63.79	0.00	0.00	9.40	60.75
3	Public lighting	705	6.72	0.00	0.00	6.10	4.74
	Temporary	0.00	0.00	0.00	0.00	0.00	0.00
4	Industrial						
a)	HT						
i)	HT (A) Motive						
	0-50000	0.00	0.00	0.00	0.00	0.00	0.00
	Above 50000	0.00	0.00	0.00	0.00	0.00	0.00
ii)	HT (B) Furnace						
	0-300	0.00	0.00	0.00	0.00	0.00	0.00
	301-500	0.00	0.00	0.00	0.00	0.00	0.00
	Above 500	0.00	0.00	0.00	0.00	0.00	0.00
iii)	HT (C) Rolling Mill						
	0-200	0.00	0.00	0.00	0.00	0.00	0.00
	201-300	0.00	0.00	0.00	0.00	0.00	0.00
	Above 300	0.00	0.00	0.00	0.00	0.00	0.00
iv)	Panel charges	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0	0.00	0.00	0.00	0.00	0.00
b)	LT	616	25.44	0.00	0.00	0.00	0.00
	Total (a+b)	616	25.44	0.00	0.00	6.70	19.06
5	Bulk supply	68	33.07	0.00	0.00	0.00	0.00
6	Railway traction	0.00	0.00	0.00	0.00	0.00	0.00
7	Common pool/ UI	0.00	0.00	0.00	0.00	0.00	0.00
8	Outside state	0.00	0.00	0.00	0.00	0.00	0.00
9	Total	68	33.07	0.00	0.00	12.50	43.42
10	Agriculture consumption	473	1.09	0.00	0.00	0.00	0.00
11	Total	473	1.09	0.00	0.00	1.60	0.43
12	Add MMC and Other charges	0.00	0.00	0.00	0.00	0.00	0.00
	Surcharge (HT)	0.00	0.00	0.00	0.00	0.00	0.00
	PF Charges (HT)	0.00	0.00	0.00	0.00	0.00	0.00
	Diff. of Arrears & Credit)	0.00	0.00	0.00	0.00	0.00	0.00
13	Grand Total	143005	281.42	0.00	0.00	6.82	192.05
14	Grand Total	192.05					

Superintendent Engineer
Electricity Department
Port Blair

SUMMERY SHEET

Name of the Generating Station

(Rs. in crores)

Sr. No.	Particulars	Previous year (actual)	Current year (RE)	Ensuing year (projections)		
1	2	3	4	5		
1. Calculation of Capacity / Fixed Charges		Generating station wise details are not available, however, details for the department is provided in the the respective formats				
1.1	Interest on Loan Capital (Form - 4 & 5)					
1.2	Depreciation (Form - 7)					
1.3	Advance Against Depreciation (Form - 8)					
1.4	Return on Equity					
1.5	Operation & Maintenance Expenses (Form - 11)					
1.6	Foreign Exchange Rate Variation (Form - 10)					
1.7	Interest on Allowed Working Capital (Form — 9 as applicable)					
1.8	Taxes on Income				Not applicable	
1.9	Total					
2. Calculation of Energy / Variable charges		Not applicable				
2.1	Rate of Energy Charge from Primary Fuel (REC) p2					
2.2	Rate of Energy Charge from Secondary Fuel (REC)					
2.3	Rate of Energy Charge ex-bus(REC) ^{3A,3B,3C} Total					
3	Grand Total (1+2)					

ॐ श्रीगणेशाय नमः / Superintendent Engineer
 विद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

Tariff Norms for Energy / Variable charges

Name of the Generation Station:

Special features of the plant

a) Basic Characteristics¹ & Site Specific Features²b) Environmental Regulation related Features³

c) Any other special features

d) Date of Commercial Operation (COD)

e) Type of cooling System⁵Fuel Details⁴

Primary

Secondary

Alternate Fuels

Mention type of fuel

Sr. No.	Particulars	Unit	Ref.	Derivation	Previous Year			Current year
					X-3	X-2	X-1	X
					Actual	Actual	Actual	Revised
1	2	3	4	5	6	7	8	9
1	Installed Capacity	MW						
2	PLF	%						
3	Generation	MU	A	A				
4	Auxiliary Consumption	% MU	B	B				
5	Generation (Ex-bus)	MU	C	(A - B)				
6	Station Heat Rate	Kcal/kWh	D	D				
7	Specific Oil Consumption	MI/kWh	E	E				
8	Calorific Value of Fuel Oil	Kcal/Litre	F	F				
9	Calorific Value of Coal	Kcal/Kg	G	G				
10	Overall Heat rate	Gcal	H	(A x D)				
11	Heat from Oil	Gcal	I	(A x E x F)				
12	Heat from Coal	Gcal	J	(H - I)				
13	Actual Oil consumption	KL	K	(I x 1000 /				
14	Actual Coal consumption	MT		(J x 1000 /				
15	Cost of Oil per KL	Rs/KL	M	M				
16	Cost of Coal per MT (incl. LADT)	Rs/MT	N	N				
17	Total cost of Oil	Rs. Million	O	(M x K / 10 ^{^6})				
18	Total cost of Coal	Rs. Million	P	(N x L / 10 ^{^6})				
19	Total Fuel Cost	Rs. Million	Q	(O + P)				
20	Fuel Cost/ kWh	Rs/kWh	R	(Q / C)				
	The Commission may relax the norm and set trajectory							

Details provided vide separate Annexure

Superintending Engineer
 बिजुल विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

Format - 3G

**ARR & Tariff Petition for the FY 2020-21
Information regarding amount of Equity & Loan**

Sr. No.	Period	Amt. of Equity (Rs. in crores)	Amt. of Loan (Rs. in crores)	Ratio of equity & loan
1	2	3	4	5
1	As on March 31 of previous year	Details provided in format- 24		
2	As on March 31 of current year			
3	As on March 31 of ensuing year			

Format - 4G

**ARR & Tariff Petition for the FY 2020-21
Interest Capitalized**

(Rs. In crores)

Sr. No.	Interest Capitalized	Previous year (actuals)	Current year (RE)	Ensuing year (projections)
1	2	3	4	5
1	WIP*	Details provided in format- 9		
2	GFA* at the end of the year			
3	WIP+GFA at the end of the year			
4	Interest (excluding interest on WCL*)			
5	Interest Capitalized			

आरक्षक अभियंता / Superintending Engineer
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Details of Loans Interest and Finance Charges for the year

(Rs. In Crores)

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

Details provided in Format -10

Information regarding restructuring of outstanding loans during the year

Sr. No.	Source of Loans	Amount of original loans (Rs. In crores)	Old rate of interest	Amount already restructured (Rs. In crores)	Revised rate of interest	Amount now being restructured (Rs. In crores)	New rate of interest
1	2	3	4	5	6	7	8


Details provided in Format -11

अधीक्षक अभियंता / Superintending Engineer
 दिव्य विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

Calculation of Depreciation Rate

Name of the Generating Station											
Date of Commercial operation of the Generating Station											
Capital Cost of the Generating Station											
Additional Capitalisation											
Total Capital cost of the Generating Station											
Estimated life of the Generating Station											
Rate of Depreciation											
(Rupees in Crores)											
Upto (year)											
After (Year)											
Sr. No.	Name of the Assets ¹	Depreciation rates as per CERC's Depreciation Rate	Previous Year		Current Year		Ensuing Year		Accumulated depreciation Amount		
			Assets value at the beginning of the year	Depreciation charges	Assets value at the beginning of the year	Depreciation charges	Assets value at the beginning of the year	Depreciation charges			
1	2	3	4	5	6	7	8	9	10		
1	Land										
2	Building										
3	and so on										
4											
5											
6											
7											
8											
9											
10											
11											
12											
	Total										
	Weighted Average Depreciation Rate (%)										

Details provided in Format -12



 Joint Secretary
 Power, Energy & Electricity Department
 P.O. No. 147 / Port Blair
 XXVI

Name of the Power Station:

Calculation of Advance Against Depreciation

(Rs Crores)

Sr. No.	Particulars	Previous Year		Current year	Ensuing Year	
		X-2	X-1	X	X+1	X+2
		Actual	Actual	Revised	Projected	Projected
1	1/10th of the Loan(s)					
2	Repayment of the Loan(s) as considered for working out Interest on Loan	Not applicable as there is no loan repayment				
3	Minimum of the Above					
4	Less: Depreciation during the year					
	A					
5	Cumulative Repayment of the Loan(s) as considered for working out Interest on Loan					
6	Less: Cumulative Depreciation					
	B					
7	Advance Against Depreciation (minimum of A or B)					


 अधिकारी/ Superintending Engineer
 बिजली विभाग/ Electricity Department
 पोर्ट ब्लेयर/ Port Blair

Name of the Power Station:

Calculation of interest on Working Capital for generation

(Rs. In Crores)

Sr. No.	Particulars	Previous Year			Current year	Ensuing Year
		X-3	X-2	X-1	X	X+1
		Actual	Actual	Actual	Revised	Projected
1		3	4	5	6	7
1	Cost of Coal / Lignite ¹	Being an integrated utility working capital requirement is calculated for all the functions and provided in Format -18				
2	Cost of Secondary Fuel Oil ¹					
3	Fuel Cost					
4	Liquid Fuel Stock ²					
5	O&M expenses					
6	Maintenance spares					
7	Receivables					
8	Total working capital					
9	Rate of interest on working capital					
10	Interest on working capital					

Format - 10G

MYT FOR THE PERIOD 2015-16 TO 2017-18

Information regarding Foreign Exchange Rate Variation (FERV)

Sr. No.	Particulars	Amount (Rs. In Crores)
1	2	3
1	Amount of Liability provided	Not applicable
2	Amount recovered	
3	Amount adjusted	

ॐॐॐॐ ॐॐॐॐ / Superintending Engineer
 विद्युत विभाग / Electricity Department
 पोर्ट ब्लेयर / Port Blair

Name of the Power Station:

Details of Operation and Maintenance Expense

Sr. No.	Particulars	Previous Year			Current year	Ensuing Year
		X-3	X-2	X-1	X	X+1
		Actual	Actual	Actual	Revised	Projected
1	2	3	4	5	6	7
(A)	Breakup of O&M expenses	<p style="text-align: center;">Separate power stationwise details are not maintained. Consolidated Operation & Maintenance expenses is provided in Format- 13.15 & 16</p>				
1	Consumption of Stores and Spares					
2	Repair and Maintenance					
3	Insurance					
4	Security					
5	Administrative Expenses					
	- Rent					
	- Electricity Charges					
	- Travelling and conveyance					
	- Telephone, telex and postage					
	- Advertising					
	- Entertainment					
	- Others (Specify items)					
	Sub-total (Administrative Expenses)					
6	Employee Cost					
	a) Salaries, wages and allowances					
	i. Basic pay					
	ii. Dearness pay					
	iii. Dearness allowance					
	iv. House rent allowance					
	v. Fixed medical allowance					
	vi. Medical reimbursement charges					
	vii. Over time payment					
	viii. Other allowances (detailed list to be attached)					
	ix. Generation incentive					
	x. Bonus					
	b) Staff welfare Expenses / Terminal Benefits					
	i. Leave encashment					
	ii. Gratuity					
	iii. Commutation of pension					
	iv. Workman compensation					
	v. Ex-gratia					
	Total					

Sr. No.	Particulars	Previous Year			Current year	Ensuing Year
		X-3	X-2	X-1	X	X+1
		Actual	Actual	Actual	Revised	Projected
1	2	3	4	5	6	7
	e) Productivity linked incentive					
	d) Pension Payments					
	i. Basic pension					
	ii. Dearness pension					
	iii. Dearness allowance					
	iv. Any other expenses					
	Total					
	Total Employee Cost (a+b+c=4)					
7	Corporate/ Head office expenses allocation					
8	Total (1 to 7)					
	LESS: Recovered, if any					
	Net Expenses					
(B)	Breakup of corporate expenses (Aggregate)					
	- Employee expenses					
	- Repair and maintenance					
	- Training and Recruitment					
	- Communication					
	- Travelling					
	- Security					
	- Rent					
	- Others					
	Total					
(C)	Details of number of Employees					
	i. Executives					
	ii. Non-Executives					
	iii. Skilled					
	iv. Non-Skilled					
	Total					

अधीनस्थ अभियंता / Superintending Engineer
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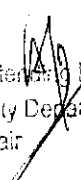
Name of the Generating Station:

Date of Commercial operation of the Generating Station:

ARR & Tariff Petition for the FY 2020-21

Generation Tariff Determination, Return on Equity and Tax on Income

(Rs. in Crore)							
Sr. No.	Particulars	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
1	Gross Generation (MU)	EDA&N is operating as an integrated utility and separate generation tariff is not proposed					
2	Auxiliary Consumption (MU)						
3	Net Generation (MU)						
4	Capacity Charges						
	a) Interest on Loan Capital						
	b) Depreciation						
	c) Advance Against Depreciation						
	d) O&M Expenses						
	e) Interest on Working Capital						
	f) Foreign exchange Rate Variation						
	g) Return on Equity						
	h) Taxes						
5	Energy/ Variable Charges*						
6	Total Expenses (4+ 5)						
7	Cost per Unit (3 / 6)						


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