

**Petition for APR for the FY 2020-21 and ARR & Tariff
Proposal for the FY 2021-22**

**Submitted by:
Electricity Department
Andaman & Nicobar Administration
April-2021**

अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / 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 APR for the FY 2020-21 &
ARR & Tariff Proposal for the FY 2021-22.**

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 APR for the FY 2020-21 & ARR & Tariff Proposal for the FY 2021-22.


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AFFIDAVIT

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

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AND

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


.....**Petitioner**

I, AJIT KUMAR B, S/o, Late. KENNET BRIDE, (aged 59 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 Andaman & Nicobar Electricity Department 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:

- Petition for Approval of APR for the FY 2020-21 & ARR & Tariff Proposal for the FY 2021-22
- Fee for Tariff Petition is being transferred through RTGS.


For The Electricity Department of A&N
अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair


Place: Port Blair, Andaman & Nicobar

Dated: 21/4/2021

I, Krishna Rao Advocate, Shadipur, 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.


Advocate

Solemnly affirmed before me on this 21st day of April.....2021 at 3:45 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.


अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

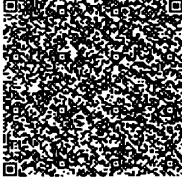


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INDIA NON JUDICIAL Andaman and Nicobar Administration

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विद्युत विभाग / Electricity Department
अण्डमान / A & N Administration
पोर्ट ब्लेयर / Port Blair

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

FILE No: _____

CASE No: _____

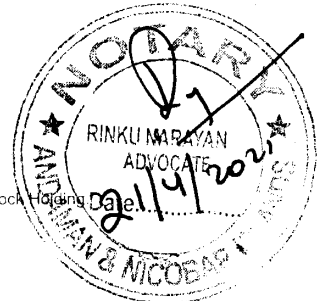
IN THE MATTER OF

: Petition for Approval of APR for the FY 2020-21 & ARR &
Tariff Proposal for the FY 2021-22.

AND

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**IN THE MATTER OF THE
PETITIONER**

**The Electricity Department, Vidyut Bhawan, Port Blair-
744101, U.T. of Andaman & Nicobar**

.....Petitioner

I, B. Ajit Kumar, S/o Late Kenneth Bride, (aged 59 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 APR for the FY 2020-21 & ARR & Tariff Proposal for the FY 2021-22
- b) Fee for Tariff Petition is being transferred through RTGS.



For the Electricity Department of A&N

A handwritten signature in black ink, appearing to be 'AB', written over the typed name of the Superintendent Engineer.

अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

Petitioner

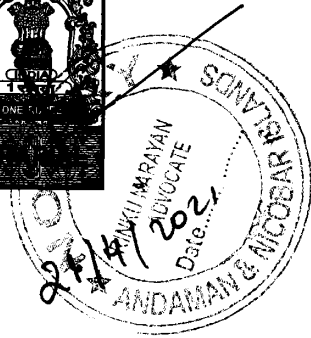
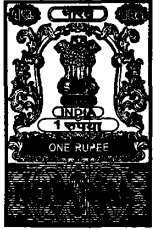
Place: Port Blair, Andaman & Nicobar,


Dated: 21/4/2021

I, Krishna Rao Advocate, Shodipur, 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.

Advocate


Solemnly affirmed before me on this 21st day of April.....2021 at 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.




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विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

Serial No
149/XIV/2021

Affirmed before me after the contents were read over & explained in simple Hindi / English language, on this 21st day of April 2021


RINKU NARAYAN
ADVOCATE & NOTARY PUBLIC
PORT BLAIR, A & N ISLANDS

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

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IN THE MATTER OF

**: Petition for Approval of APR for the FY 2020-21 &
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AND

**IN THE MATTER OF THE
PETITIONER**


**: The Electricity Department, Vidyut Bhawan, Port
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 APR FOR THE FY 2020-21 & ARR & TARIFF PROPOSAL FOR THE FY 2021-22 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 (Multi Year Tariff) Regulations, 2018 requires the EDA&N to file APR for current year i.e FY 2020-21 & ARR & tariff proposal, for FY 2021-22, which shall comprise but not be limited to detailed category-wise sales and demand, power procurement, capital investment, financing, physical targets, cost components etc..

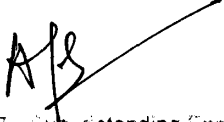

अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
अ.नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

Electricity Department, Union Territory of Andaman & Nicobar Islands

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 APR for the FY 2020-21 & ARR & Tariff Proposal for the FY 2021-22 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 APR for the FY 2020-21 & ARR & Tariff Proposal for the FY 2021-22 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 APR for the FY 2020-21 & ARR & Tariff Proposal for the FY 2021-22, 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.


अधीक्षक अभियंता / Superintending Engineer
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पोर्ट ब्लेयर / Port Blair

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

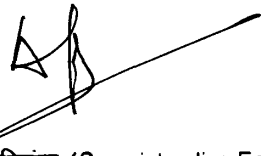
- Approve the APR for the FY 2020-21 & ARR & Tariff Proposal for the FY 2021-22 for EDA&N, formulated in accordance with the guidelines outlined as per the regulation of Joint Electricity Regulatory Commission relating to Distribution Licensee and the principles contained in Tariff Regulations;
- Condone 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

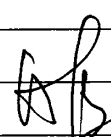
Petitioner

Place: Port Blair, Andaman& Nicobar Islands


Dated:


अधीसक अमियता / Superintending Engineer
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

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 पोर्ट ब्लेयर / Port Blair

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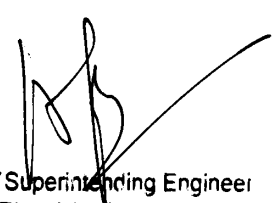
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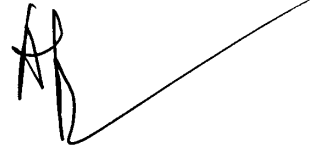

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पोर्ट ब्लेयर, अ. नि. द्वीप

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


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1. INTRODUCTION

1.1. Historical Perspective

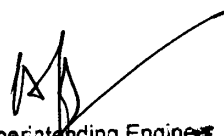
The Department of Electricity of Andaman & Nicobar Administration ("EDA&N") is responsible for power supply in the union territory. Power requirement of EDA&N is met by own generation station as well as power purchase.

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) Defense 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 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;


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- ❖ 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.

1.2.2. The current demand is primarily dependent on the domestic and commercial which contributed approx. 75% to the total sales of EDA&N in FY 19-20.



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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



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- 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.

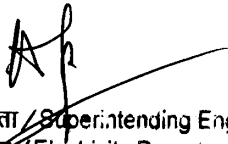
1.4. Multi Year Tariff Regulations, 2018

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 APR for the FY 2020-21 & ARR & Tariff Proposal for the FY 2021-22

EDA&N is hereby filing the instant petition for approval of APR for the FY 2020-21 and ARR & Tariff Proposal for the FY 2021-22 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. It is submitted that the True-up petition for previous year is not submitted as the audit of the accounts is not yet completed. The Department shall file the True-up petition along with the Tariff Petition of the next year after completion of audit.


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2. Annual Performance Review for the FY 2020-21.

2.1 Background to FY 2020-21 Tariff Petition

2.1.1 EDA&N filed the 2nd MYT Petition for the control period FY 2019-20 to FY 2021-22. FY 2020-21 is the second 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. Further, ARR for the FY 2020-21 was revised vide Tariff Order Dt. 18.05.2020. 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 2020-21.

2.1.2 This chapter summarizes each of the components of ARR for FY 2020-21 and requests the Hon'ble Commission to review the performance for FY 2020-21. The Annual Performance Review for FY 2020-21 is based on actual data/ information for first 6 months (First Half – H1) 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.

2.2 Approved ARR for the FY 2020-21

2.2.1 The summary of the charges for FY 2020-21 as approved by the Hon'ble Commission in the Tariff Order Dt. 18.05.2020 is tabulated below:


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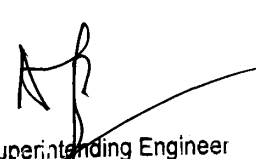
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Table - 2.1 Approved ARR for FY 2020-21		
(in Rs. Crores)		
Sr. No	Particulars	As approved by Commission
1	2	3
1	Cost of fuel	106.61
2	Cost of power purchase	445.44
3	Employee costs	111.58
4	R&M expenses	45.66
5	Administration and general expenses	37.53
6	Depreciation	7.02
7	Interest & Finance Charges	1.94
8	Interest on working Capital	5.26
9	Return on Equity	9.24
10	Provision for Bad Debit	0.00
11	Total revenue requirement	770.28
12	Less: Non-tariff income	3.09
13	Net revenue requirement (11-12)	767.19

2.3 Number of consumers

2.3.1 Hon'ble Commission has approved the number of consumers for the FY 2020-21 in the Tariff Order Dt. 18.05.2020. However, on the basis of the number of consumers added 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 - 2.2 Categorywise No. of Consumers for the FY 2020-21			
Category	As approved by Commission	Review as per Accounts	Deviation
Domestic	119645	118753	892
Commercial	21499	21243	256
Industrial	616	477	139
Bulk Supply	68	67	1
Public Lighting	705	751	-46
Irrigation Pumps & Agriculture	473	452	21
Total	143005	141743	1263


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

2.4 Energy Sales

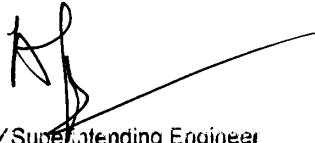
2.4.1 Hon'ble Commission has approved the Energy Sales for the FY 2020-21 in the Tariff Order Dt. 18.05.2020. It is submitted that the energy sales for the 1st half of the FY 2020-21 is impacted due to lockdowns imposed on account of COVID-19. The impact is mainly in commercial & industrial category. Therefore, 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:

(In MUs)

Table - 2.3 Categorywise sales for the FY 2020-21			
Category	As approved by Commission	Review as per Accounts	Deviation
Domestic	150.56	145.08	5.48
Commercial	68.22	57.76	10.46
Industrial	19.27	9.26	10.01
Bulk Supply	33.61	30.59	3.02
Public Lighting	6.67	6.62	0.05
Irrigation Pumps & Agriculture	1.17	1.03	0.14
Total	279.51	250.34	29.16

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


2.5 Energy Balance


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2.5.1 Hon'ble Commission has approved the Energy Balance and T&D loss for the FY 2020-21 in the Tariff Order Dt. 18.05.2020. 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:

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Table - 2.4 Energy Requirement for the FY 2020-21			
Energy Balance	As approved by Commission	Review as per Accounts	Deviation
ENERGY REQUIREMENT			
Energy Sales			
LT Supply	279.51	250.34	29.17
HT Supply			
Total Energy Sales	279.51	250.34	29.17
Overall T & D Losses %	13.84	20.00	-6.16
Overall T & D Losses (MUs)	44.90	62.59	-17.69
Total Energy Requirement	324.40	312.93	11.47
Power Purchase	253.15	244.55	8.60
Own Generation	71.25	68.38	2.87
Total Energy Availability	324.40	312.93	11.48
ENERGY SURPLUS/(GAP)	0.00	0.00	0.00


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2.5.2 EDA&N requests the Hon'ble Commission to approve the Energy Balance and T&D Loss as submitted above for FY 2020-21.

2.6 Cost of fuel

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

2.6.2 Hon'ble Commission has approved the Fuel Cost for the FY 2020-21 in the Tariff Order Dt. 18.05.2020. However, on the basis of the revised estimates of energy sales for the FY 2020-21 & cost figures during the first half of FY 2020-21, EDA&N submits the revised estimates of fuel cost for FY 2020-21. A comparison of the revised estimates with earlier approved numbers is shown below:

Table - 2.5 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	106.61	120.13	-13.52
	Total	106.61	120.13	

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

2.7 Power Purchase Cost


2.7.1 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 Tariff order Dt. 18.05.2020. 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 - 2.6 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	445.44	403.40	42.04
	Total	445.44	403.40	

2.8 GFA, Capitalisation & Depreciation

2.8.1 Hon'ble Commission has approved the GFA for the FY 2020-21 in the Tariff order Dt. 18.05.2020. It is submitted that the EDA&N has finalized the Fixed Asset Register up-to 31.03.2020. The closing GFA as per the FAR as on 31.03.2020 is Rs.516.24 crores. It is submitted that several Fixed Assets pertaining to previous years which were omitted from the Accounts have been incorporated in the FAR after reconciliation with Accounts. Further, the depreciation pertaining to previous years amounting to Rs.74.31 crores on account of these assets have also been accounted for as prior period depreciation in the Proforma Accounts for the FY 2019-20. The Proforma Accounts for the FY 2017-18, FY 2018-19 & FY 2019-20 has been compiled with above updated asset details and the same is under Audit. EDA&N has considered the closing GFA as on 31.03.2020 and estimated additions during the FY 2020-21 to arrive at the closing GFA for the year.

2.8.2 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.


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(Rs. in crore)

Table - 2.7 Gross Fixed Asset for FY 2020-21				
SL. No.	Particulars	Opening Assets	Additions	Assets at End
1	2	3	4	5
1	Plant & Machinery	440.87	30.34	471.21
2	Buildings	52.21	6.75	58.96
3	Vehicles	5.18	0.00	5.18
4	Furniture & Fixture	1.24	0.00	1.24
5	Office Equipment	15.87	0.08	15.94
6	Land & Land Rights	0.87	0.00	0.87
	Total	516.24	37.17	553.41

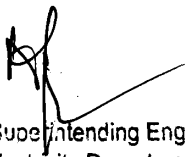
Table - 2.8 Depreciation for the FY 2020-21				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Review as per Accounts	Deviation
1	2	3	4	5
1	Depreciation	7.02	16.93	-9.91
	Total	7.02	16.93	

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

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.


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2.9.2 Employee Expenses

2.9.2.1 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.


2.9.2.2 EDA&N is proposing the revised estimates of the employee cost based on the actual expenses for the FY 2019-20. The expenses for the FY 2019-20 have been escalated by the increase in the CPI- 5.21% (March,2020 over March 2019) to arrive at the revised estimate for the FY 2020-21. The CPI of March 2019 & March,2020 was 309 & 326 respectively. 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 - 2.9 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	111.58	137.88	-26.30
	Total	111.58	137.88	

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

2.9.3 Repair & Maintenance Expenses

2.9.3.1 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


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2.9.3.2 EDA&N is proposing the revised estimates of the Repair & Maintenance Expenses based on the actual expenses for the FY 2019-20. The expenses for the FY 2019-20 have been escalated by the increase in the WPI- 1.67% (FY20 over FY 19) to arrive at the revised estimate for the FY 2020-21. The WPI of FY19 & FY20 was 119.8 & 121.8 respectively. 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 - 2.10 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	45.66	61.32	-15.66
	Total	45.66	61.32	

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

2.9.4 Administrative & General Expenses

2.9.4.1 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.

2.9.4.2 EDA&N is proposing the revised estimates of the Administrative & General Expenses based on the actual expenses for the FY 2019-20. The expenses for the FY 2019-20 have been escalated by the increase in the CPI- 5.21% (March,2020 over March 2019) to arrive at the revised estimate for the FY 2020-21. The CPI of March 2019 & March,2020 was 309 & 326 respectively. 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 - 2.11 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	37.53	16.16	21.37
	Total	37.53	16.16	

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

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2.10 Interest & Finance charges

2.10.1 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.

2.10.2 It is submitted that the EDA&N has finalized the Fixed Asset Register up-to 31.03.2020. The closing GFA as per the FAR as on 31.03.2020 is Rs.516.24 crores. It is submitted that several Fixed Assets pertaining to previous years which were omitted from the Accounts have been incorporated in the FAR after reconciliation with Accounts. Further, the depreciation pertaining to previous years amounting to Rs.74.31 crores on account of these assets have also been accounted for as prior period depreciation in the Proforma Accounts for the FY 2019-20. The Proforma Accounts for the FY 2017-18, FY 2018-19 & FY 2019-20 has been compiled with above updated asset details and the same is under Audit. EDA&N has considered the updated GFA as on 31.03.2020 for arriving at the normative loan for the FY 2020-21. The methodology adopted is detailed below:

In the True-up order for the FY 2016-17 Dt. 20th May 2020, Hon'ble Commission has considered GFA of Rs. 130.81crores & corresponding closing normative loan of Rs. 6.60 crores. There is addition in GFA amounting to Rs. 381.14 crores (Rs.516.24 crores - Rs.130.81crores) as per the FAR as on 31.03.2020 as compared to the approved GFA for the FY 2016-17. EDA&N has considered closing normative loan of Rs. 6.60 crores as per True-up for the FY 2016-17 & 70% of GFA addition as above. Further, since the Regulation provides for normative loan repayment equivalent to depreciation for the respective years, adjustment on account of prior period depreciation of Rs.74.31 crores & depreciation for the FY 2019-20 (Rs.16.32 crores) has been considered to arrive at the opening normative loan for the FY 2020-21.


Thereafter, 70% of the estimated asset capitalization/addition during FY 2020-21 has been considered for calculation of closing normative loan for the FY 2020-21. Normative repayment of loan for the FY 2020-21 has been considered equivalent to depreciation for the FY 2020-21.

2.10.3 Interest on loan for the FY 2020-21 has been arrived at based on the above normative loan & in-accordance with the MYT Regulations.

2.10.4 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 01.04.2020. The State Bank of India (SBI) MCLR – 1 year tenor as on 01.04.2020 was 7.75%. Accordingly, interest rate of 8.75% (7.75%+1%) has been considered for projecting the interest charges for the FY 2020-21.


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Table - 2.12 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	1.94	185.77	-14.71
2	Add: Normative Loan during the year/GFA during the year		26.02	
3	Less: Normative Repayment		0.00	
4	Less: Normative Repayment for the year		16.93	
5	Closing Normative Loan/ GFA		194.87	
6	Average Normative Loan		190.32	
7	Rate of Interest (@ SBI SBAR rate)		8.75%	
8	Interest on Normative Loan		16.65	

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

2.11 Interest on Working Capital

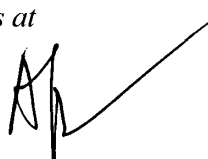
2.11.1 The Hon'ble Commission has approved the Interest on Working Capital for the FY 2020-21 based on the cost parameters approved for MYT Control Period in accordance with the Regulation 63 of the MYT Regulations, 2018. The Regulation provides as follows:

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*
- 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*


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

2.11.3 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.”

2.11.4 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 01.04.2020. The State Bank of India (SBI) MCLR – 1 year tenor as on 01.04.2020 was 7.75%. Accordingly, interest rate of 9.75% (7.75%+2%) has been considered for projecting the interest charges for the FY 2020-21.

2.11.5 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 - 2.13 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	5.26	17.95	-1.58
2	Maintenance for spares @40% of R&M		24.53	
3	Receivables for 2 months		27.69	
4	Less; Adjustment for security Deposit		0.00	
5	Net Working Capital		70.16	
6	Rate of Interest for Working Capital		9.75%	
7	Interest on Working Capital		6.84	

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

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2.12 Interest on Security deposits

2.12.1 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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2.13 Return on Equity

2.13.1 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.

2.13.2 It is submitted that the EDA&N has finalized the Fixed Asset Register up-to 31.03.2020. The closing GFA as per the FAR as on 31.03.2020 is Rs.516.24 crores. It is submitted that several Fixed Assets pertaining to previous years which were omitted from the Accounts have been incorporated in the FAR after reconciliation with Accounts. The Proforma Accounts for the FY 2017-18, FY 2018-19 & FY 2019-20 has been compiled with above updated asset details and the same is under Audit. EDA&N has considered the updated GFA as on 31.03.2020 for arriving at the opening Equity for the FY 2020-21.


Thereafter, 30% of the estimated asset capitalization/addition during FY 2020-21 in accordance with the Regulation 26 of the MYT Regulations, 2018 has been considered for calculation of closing Equity for the FY 2020-21.

2.13.3 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.....”

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

Table - 2.14 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	9.24	154.87	-16.43
2	Equity Addition during year (30% of Capitalisation)		11.15	
3	Closing Equity Amount		166.02	
4	Average Equity Amount		160.45	
5	Rate of Return on Equity		16%	
6	Return on Equity		25.67	


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

2.14 Provision for Bad & Doubtful Debts

2.14.1 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....”

2.14.2 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.

2.15 Non-Tariff Income

2.15.1 Hon'ble Commission has approved the Non-Tariff Income for the FY 2020-21 in the Tariff order Dt. 18.05.2020.

2.15.2 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 - 2.15 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	

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

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2.16 Aggregate Revenue Requirement


2.16.1 The Aggregate Revenue Requirement for FY 2020-21 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 2020-21 is shown below:

Table - 2.16 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	106.61	120.13	-13.52
2	Cost of power purchase	445.44	403.40	42.04
3	Employee costs	111.58	137.88	-26.30
4	R&M expenses	45.66	61.32	-15.66
5	Administration and general expenses	37.53	16.16	21.37
6	Depreciation	7.02	16.93	-9.91
7	Interest & Finance Charges	1.94	16.65	-14.71
8	Interest on working Capital	5.26	6.84	-1.58
9	Return on Equity	9.24	25.67	-16.43
10	Provision for Bad Debit	0.00	0.00	0.00
11	Total revenue requirement	770.29	804.98	-34.69
12	Less: Non-tariff income	3.09	3.09	0.00
13	Net revenue requirement (10-11)	767.20	801.89	-34.69

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

2.17 Revenue from sale of Power at Existing Tariff

2.17.1 The revised estimate of Revenue from Tariff for FY 2020-21 is shown in the table below:


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Table - 2.17 Revenue from Existing Tariff		
2020-21		
Sr. No	Particular	At Existing Tariff (Rs. Crores)
1	2	3
1	Energy Charges	161.50
2	Fixed Charges	5.47
3	Total Revenue	166.97

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

2.18 Revenue Gap for FY 2020-21

2.18.1 The Revenue Gap as approved by the Hon'ble Commission and as calculated on the basis of the APR for the FY 2020-21 is shown in the table below:

(Rs. In Crores)

Table - 2.18 Revenue Gap at Existing Tariff FY 2020-21		
Sr. No.	Particulars	Revised Estimate
I	Net Annual Revenue Requirement	801.89
II	Revenue from Sale of Power	166.97
III	(Gap)/ Surplus (III)	634.92

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



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3. Tariff Proposal for the FY 2021-22

3.1 Background to FY 2021-22 Tariff Petition

3.1.1 EDA&N filed the 2nd MYT Petition for the control period FY 2019-20 to FY 2021-22. FY 2021-22 is the third 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. Regulation 11(3) of the JERC MYT Regulations, 2018 provides as follows:

“The scope of the annual review, truing 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 2021-22.

3.1.2 This chapter summarizes each of the components of ARR for FY 2021-22 and requests the Hon'ble Commission to review the ARR for FY 2021-22. The proposal for revised ARR for FY 2021-22 is based on actual data/ information for the FY 2019-20 & first 6 months (First Half – H1) and estimation/projections for remaining 6 months (Second Half – H2) of the FY 2020-21, wherever applicable.

3.2 Approved ARR for the FY 2021-22

3.2.1 The summary of the charges for FY 2021-22 as approved by the Hon'ble Commission in the MYT Order is tabulated below:


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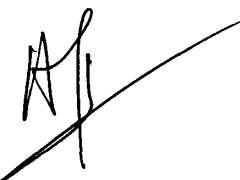
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Table - 3.1 Approved ARR for FY 2021-22		
(in Rs. Crores)		
Sr. No	Particulars	As approved by Commission
1	2	3
1	Cost of fuel	252.97
2	Cost of power purchase	349.27
3	Employee costs	121.11
4	R&M expenses	57.43
5	Administration and general expenses	39.25
6	Depreciation	6.79
7	Interest & Finance Charges	3.58
8	Interest on working Capital	5.95
9	Return on Equity	11.22
10	Provision for Bad Debit	0.00
11	Total revenue requirement	847.57
12	Less: Non-tariff income	3.25
13	Net revenue requirement (11-12)	844.32

3.3 Number of consumers

3.3.1 Hon'ble Commission has approved the number of consumers for the FY 2021-22 in the MYT order Dt. 20.05.2019. However, on the basis of the number of consumers during FY 2019-20 & first half of FY 2020-21, EDA&N submits the revised estimates for FY 2021-22. A comparison of the revised estimates with earlier approved numbers is shown below:

Table - 3.2 Categorywise No. of Consumers for the FY 2021-22			
Category	As approved by Commission	Projected	Deviation
Domestic	126119	121128	4991
Commercial	22583	21671	912
Industrial	650	488	162
Bulk Supply	71	68	3
Public Lighting	721	766	-45
Irrigation Pumps & Agriculture	576	461	115
Total	150721	144582	6138


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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 2021-22.

3.4 Energy Sales

3.4.1 Hon'ble Commission has approved the Energy Sales for the FY 2021-22 in the MYT order Dt. 20.05.2019. It is submitted that the energy sales for the 1st half of the FY 2020-21 is impacted due to lockdowns imposed on account of COVID-19. Hence, the category wise energy sales for the FY 2020-21 have been projected on the basis of actual energy sales for the FY 2019-20 & the category wise CAGR as approved by the Hon'ble Commission in the MYT order. A comparison of the revised estimates with earlier approved numbers is shown below:

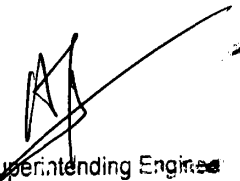
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Category	As approved by Commission	Projected	Deviation
Domestic	177.13	152.08	25.05
Commercial	65.76	73.81	-8.05
Industrial	28.96	14.10	14.86
Bulk Supply	46.13	33.97	12.16
Public Lighting	8.65	6.73	1.92
Irrigation Pumps & Agriculture	1.23	1.15	0.08
Total	327.86	281.85	46.02

3.4.2 It is requested to the Hon'ble Commission to approve the sales as submitted in the above table for FY 2021-22.

3.5 Energy Balance

3.5.1 Hon'ble Commission has approved the Energy Balance and T&D loss for the FY 2021-22 in the MYT order Dt. 20.05.2019. However, on the basis of the revised projection of the energy sales & sources of energy, EDA&N submits the revised estimates for FY 2021-22. A comparison of the revised estimates with earlier approved numbers is shown below:


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(MUs)


Table - 3.4 Energy Requirement for the FY 2021-22			
Energy Balance	As approved by Commission	Projected	Deviation
ENERGY REQUIREMENT			
Energy Sales			
LT Supply	327.86	281.85	46.01
HT Supply			
Total Energy Sales	327.86	281.85	46.01
Overall T & D Losses %	13.34	19.00	-5.66
Overall T & D Losses (MUs)	50.47	66.11	-15.64
Total Energy Requirement	378.33	347.96	30.37
Power Purchase	219.95	257.49	-37.54
Own Generation	158.38	90.47	67.91
Total Energy Availability	378.33	347.96	30.37
ENERGY SURPLUS/(GAP)	0.00	0.00	0.00

3.5.2 EDA&N requests the Hon'ble Commission to approve the Energy Balance and T&D Loss as submitted above for FY 2021-22.

3.6 Cost of fuel

3.6.1 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.

3.6.2 Hon'ble Commission has approved the Fuel Cost for the FY 2021-22 in the MYT order Dt. 20.05.2019. However, on the basis of the revised projection of energy requirement, estimated own generation for the FY 2021-22 & cost figures during the first half of FY 2020-21, EDA&N submits the revised estimates for FY 2021-22. A comparison of the revised estimates with earlier approved numbers is shown below:


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Table - 3.5 Fuel Cost for the FY 2021-22				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	Cost of Fuel	252.97	172.49	80.48
	Total	252.97	172.49	

3.6.3 The Hon'ble Commission is requested to approve the fuel cost as submitted above for FY 2021-22.

3.7 Power Purchase Cost

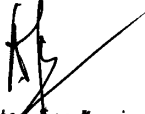
3.7.1 The EDA&N is procuring power from IPPs & Other generators during the current financial year. Hon'ble Commission has approved the Power Purchase Cost for the FY 2021-22 in the MYT order Dt. 20.05.2019. However, on the basis of the cost figures during the first half of FY 2020-21 & energy requirement as detailed in the Energy Balance for the FY 2021-22 above, EDA&N submits the revised estimates for the ensuing year. A comparison of the revised estimates with earlier approved numbers is shown below:

Table - 3.6 Power Purchase Expenses for the FY 2021-22				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	Power Purchase Cost	349.27	442.77	-93.50
	Total	349.27	442.77	

3.8 GFA, Capitalisation & Depreciation

3.8.1 Hon'ble Commission has approved the GFA for the FY 2021-22 in the MYT order Dt. 20.05.2019. EDA&N has considered the actual GFA as per the Fixed Asset Register as on 31.03.2020 and estimated additions during the FY 2020-21 & FY 2021-22 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 2021-22 is also recalculated in accordance with the MYT Regulations, 2018. The approved and the revised projections of depreciation for the FY 2021-22 is provided below.


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(Rs. In Crores)

Table - 3.7 Gross Fixed Asset for FY 2021-22				
SL. No.	Particulars	Opening Assets	Additions	Assets at End
1	2	3	4	5
1	Plant & Machinery	471.21	23.89	495.10
2	Buildings	58.96	4.32	63.28
3	Vehicles	5.18	0.00	5.18
4	Furniture & Fixture	1.24	0.00	1.24
5	Office Equipment	15.94	0.15	16.09
6	Land & Land Rights	0.87	0.00	0.87
	Total	553.41	28.36	581.77


Table - 3.8 Depreciation for the FY 2021-22				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	Depreciation	6.79	17.40	-10.61
	Total	6.79	17.40	

3.8.2.1 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2021-22.

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, gratuity, leave 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.


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 अ. नि. प्रशासन/A & N Administration
 श्री. ए. न. प्रसाद/ Mr. A. N. Prasad

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3.9.2 Employee Expenses

3.9.2.1 The Hon'ble Commission has approved the Employee cost for the FY 2021-22 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 for the FY 2021-22 based on the actual expenses for the FY 2019-20 & estimated expenses for the FY 2020-21. The estimated expenses for the FY 2020-21 have been escalated by the increase in the CPI- 5.21% (March,2020 over March 2019) to arrive at the revised estimate for the FY 2021-22. The CPI of March 2019 & March,2020 was 309 & 326 respectively. The cost as approved by the Hon'ble Commission for the FY 2021-22 and the revised proposal for the year is given below:

Table - 3.9 Employee Expenses for the FY 2021-22				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	Employee Cost	121.11	145.07	-23.96
	Total	121.11	145.07	

3.9.2.3 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2021-22.

3.9.3 Repair & Maintenance Expenses

3.9.3.1 The Hon'ble Commission has approved the Repair & Maintenance Expenses for the FY 2021-22 based on the approved norms in accordance with Regulation 41 of the MYT Regulations, 2018


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3.9.3.2 EDA&N is proposing the revised estimates of the Repair & Maintenance Expenses for the FY 2021-22 based on the actual expenses for the FY 2019-20 & estimated expenses for the FY 2020-21. The expenses for the FY 2020-21 have been escalated by the increase in the WPI- 1.67% (FY20 over FY 19) to arrive at the revised estimate for the FY 2021-22. The WPI of FY19 & FY20 was 119.8 & 121.8 respectively. The cost as approved by the Hon'ble Commission for the FY 2021-22 and the revised proposal for the year is given below:

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Table - 3.10 R&M Expenses for the FY 2021-22				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	Repair & Maintenance Cost	57.43	62.34	-4.91
	Total	57.43	62.34	

3.9.3.3 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2021-22.

3.9.4 Administrative & General Expenses

3.9.4.1 The Hon'ble Commission has approved the Administrative & General Expenses for the FY 2021-22 based on the approved norms in accordance with Regulation 41 of the MYT Regulations, 2018

3.9.4.2 EDA&N is proposing the revised estimates of the Administrative & General Expenses for the FY 2021-22 based on the actual expenses for the FY 2019-20 & estimated expenses for the FY 2020-21. The estimated expenses for the FY 2020-21 have been escalated by the increase in the CPI- 5.21% (March,2020 over March 2019) to arrive at the revised estimate for the FY 2021-22. The CPI of March 2019 & March,2020 was 309 & 326 respectively. The cost as approved by the Hon'ble Commission for the FY 2021-22 and the revised proposal for the year is given below:

Table - 3.11 A&G Expenses for the FY 2021-22				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	Administration & General Expenses	39.25	17.00	22.25
	Total	39.25	17.00	

3.9.4.3 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2021-22.

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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. The normative loan for the FY 2021-22 has been arrived on the basis of the closing normative loan as proposed in the APR for the FY 2020-21 & proposed capitalization for the FY 2021-22 in accordance with the Regulation 26 of the MYT Regulations, 2018.


3.10.2 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 01.04.2020. The State Bank of India (SBI) MCLR – 1 year tenor as on 01.04.2020 was 7.75%. Accordingly, interest rate of 8.75% (7.75%+1%) has been considered for projecting the interest charges for the FY 2021-22.

Table - 3.12 Interest and Finance Charges for the FY 2021-22				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	Opening Normative Loan/WIP	3.58	194.87	-13.58
2	Add: Normative Loan during the year/GFA during the year		19.85	
3	Less: Normative Repayment		0.00	
4	Less: Normative Repayment for the year		17.40	
5	Closing Normative Loan/ GFA		197.32	
6	Average Normative Loan		196.09	
7	Rate of Interest (@ SBI SBAR rate)		8.75%	
8	Interest on Normative Loan		17.16	

3.10.3 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2021-22.


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3.11 Interest on Working Capital

3.11.1 The Hon'ble Commission has approved the Interest on Working Capital for the FY 2021-22 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.*

3.11.2 In view of the above Regulations, EDA&N has recalculated the working capital requirement for the FY 2021-22.

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.”


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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 01.04.2020. The State Bank of India (SBI) MCLR – 1 year tenor as on 01.04.2020 was 7.75%. Accordingly, interest rate of 9.75% (7.75%+2%) has been considered for projecting the interest charges for the FY 2021-22.

3.11.5 EDA&N has calculated the revised interest on working capital for the FY 2021-22 in accordance with the above submission. The same is provided below along with the approved figures for the year:

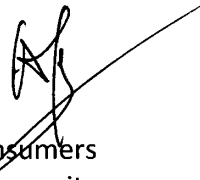
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Table - 3.13 Interest on Working Capital for the FY 2021-22				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	O&M Expenses for one month	5.95	18.70	-1.96
2	Maintenance for spares @40% of R&M		24.94	
3	Receivables for 2 months		37.48	
4	Less; Adjustment for security Deposit		0.00	
5	Net Working Capital		81.11	
6	Rate of Interest for Working Capital		9.75%	
7	Interest on Working Capital		7.91	

3.11.6 EDA&N requests the Hon'ble Commission to kindly approve the same for APR for FY 2021-22.

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.


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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 31.03.2020 and estimated additions during the FY 2021-22 & FY 2021-22 to arrive at the closing GFA for the year. The normative Equity for the FY 2021-22 has been considered at 30% of the above GFA in accordance with the Regulation 26 of the MYT Regulations, 2018.

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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 2021-22 is calculated as below:

Table - 3.14 Return on Equity for the FY 2021-22				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	Opening Equity Amount	11.22	166.02	-16.02
2	Equity Addition during year (30% of Capitalisation)		8.51	
3	Closing Equity Amount		174.53	
4	Average Equity Amount		170.28	
5	Rate of Return on Equity		16%	
6	Return on Equity		27.24	

3.13.4 EDA&N requests the Hon’ble Commission to kindly approve the same for APR for FY 2021-22.

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.

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3.15 Non-Tariff Income

3.15.1 Hon'ble Commission has approved the Non-Tariff Income for the FY 2021-22 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 2021-22 is given below:

Table - 3.15 Non-Tariff Income for the FY 2021-22				
(Rs. in crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	Non-Tariff Income	3.25	3.25	0.00
	Total	3.25	3.25	

3.15.3 EDA&N requests the Hon'ble Commission to kindly approve the same for ARR for FY 2021-22.

3.16 Aggregate Revenue Requirement

3.16.1 The Aggregate Revenue Requirement for FY 2021-22 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 2021-22 is shown below:


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Table - 3.16 Review of ARR for FY 2021-22				
(in Rs. Crores)				
Sr. No	Particulars	As approved by Commission	Projected	Deviation
1	2	3	4	5
1	Cost of fuel	252.97	172.49	80.48
2	Cost of power purchase	349.27	442.77	-93.50
3	Employee costs	121.11	145.07	-23.96
4	R&M expenses	57.43	62.34	-4.91
5	Administration and general expenses	39.25	17.00	22.25
6	Depreciation	6.79	17.40	-10.61
7	Interest & Finance Charges	3.58	17.16	-13.58
8	Interest on working Capital	5.95	7.91	-1.96
9	Return on Equity	11.22	27.24	-16.02
10	Provision for Bad Debit	0.00	0.00	0.00
11	Total revenue requirement	847.58	909.39	-61.81
12	Less: Non-tariff income	3.25	3.25	0.00
13	Net revenue requirement (11-12)	844.33	906.14	-61.81

3.16.2 EDA&N requests the Hon'ble Commission to kindly approve the same for the FY 2021-22.

3.17 Revenue from sale of Power at Existing Tariff

3.17.1 The estimate of Revenue from Tariff for FY 2021-22 at existing tariff, based on the revised projections as detailed in the above sections is shown in the table below:

Table - 3.17 Revenue from Existing Tariff		
2021-22		
Sr. No	Particular	At Existing Tariff (Rs. Crores)
1	2	3
1	Energy Charges	186.97
2	Fixed Charges	5.20
3	Total Revenue	192.17


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3.17.2 EDA&N requests the Hon'ble Commission to kindly approve the same for FY 2021-22.

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3.18 Revenue Gap for FY 2021-22

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

Sr. No.	Particulars	Projected
I	Net Annual Revenue Requirement	906.14
II	Revenue from Sale of Power	192.17
III	(Gap)/ Surplus (III)	713.96

3.18.2 Average cost of supply

Average cost of supply based on the Revised ARR & sales at existing tariff for the FY 2021-22 is provided in the table below:

Sr. No.	Particulars	FY 2021-22
1	2	3
1	Net revenue requirement	906.14
2	Energy sales (MU)	281.85
3	Average cost of supply/unit	32.15



3.18.3 EDA&N requests the Hon'ble Commission to kindly approve the same for FY 2021-22.

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4. Tariff Proposal for the FY 2021-22

Background of the Tariff Proposal

The Hon'ble Commission has already approved the ARR for the FY 2021-22 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 2021-22 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.

4.1 Recovery of Revenue Gap

The estimated gap in the FY 2021-22 has been computed by deducting the Revenue at Existing Tariff from the net ARR. EDA&N has projected gap for the FY 2021-22 at Rs. 713.96 Crores as detailed in the table below.


Table - 4.1 Revenue Gap		
(in Rs. Crores)		
Sr. No.	Particulars	FY 2021-22
1	2	3
1	Net Revenue Requirement	906.14
2	Revenue from Retail Sales at Existing Tariff	192.17
3	Net Gap (1-2)	713.96

4.2 Proposed Tariff

Tariff is a sensitive subject having substantial impact on social, economic and financial well-being of the public at large as well as the viability and growth of power sector. Further, COVID-19 has added hardship to the general public. Recovery of the total gap would result in huge burden on the consumers. Therefore, EDA&N is proposing partial recovery of the revenue gap. The proposed tariff 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. 32.15 per unit. Average revenue per unit at existing tariff is Rs. 6.82 Thus, there is gap of Rs. 25.33 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. The above factor & general rise in prices requires increase in tariff. Considering the above, the tariff proposal for FY 2021-22 for individual categories is given below along with the comparison of existing energy charges.


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Table - 4.2 Energy Charge Existing v/s Proposed Tariff		
Category	Energy Charge (Rs./Kwh)	
	Existing	Proposed
Life Line Connection		
0 to 50 units	2.05	1.75
Domestic Connection		
Upto 100	2.25	2.50
101 to 200	5.00	6.00
201 to 500	7.20	8.50
501 to 1000	7.50	10.00
1001 & above	7.50	15.00
Commercial		
0 to 200	7.50	9.00
201 to 500	9.50	11.00
501 to 1000	12.00	13.50
1001 & above	12.00	15.00
Government Connections		
Upto -500	9.20	9.20
501 & Above	10.60	10.60
Industrial		
0 to 200 units	6.00	6.00
201 to 500 units	6.00	8.00
501 to 1000 units	8.00	12.00
1001 & above	8.00	15.00
Bulk		
	12.50	15.00
Public Lighting		
	6.10	8.00
Irrigation, Pumps & Agriculture		
	1.60	1.60
Electric Vehicle Charging Station		
	6.90	7.00


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It is further proposed as follows for consideration & approval of the Hon'ble Commission.

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The consumers installing solar technologies on their roofs or other available areas are proposed to be provided the benefit of reduced solar tariff as below.

Sl	Particular	Slab	Fixed Charges	Existing Tariff Rates	Proposed Tariff with 5 % Hike
				Energy Charges	Energy Charges
				(INR / kWh)	(INR / kWh)
1	Domestic (Solar)*	0 to 200 Units	Rs. 20/- per connection per month or part thereof for single phase.	2.05	2.15
		201 to 500 Units	Rs. 70/- per connection per month or part thereof for three phase.	7.2	7.55
		501 & above Units		7.5	7.85
2	Commercial and Industrial (Solar)*	0 to 200 Units	INR 50/- per KVA per month or part thereof	5.5	5.75
		201 to 500 Units		6	6.3
		501 & above Units		8	8.4

* 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 of 25% of the roof area whichever is less. Further, if minimum of 250 KWh per KW Solar Plant is not generated for more than 6 months, the consumer shall be brought back to their respective non-solar category.

- It is submitted that the Electricity Department intends to include Hotel Establishments under Commercial Category as considering Hotels under industrial category would have large financial implications on the state exchequers. This is in line with the categorisation of Hotel Establishments under Commercial Categories as considered in the UTs under the jurisdiction of JERC and other States.
- No change in fixed and other charges is proposed.

4.3 Impact of Tariff on Consumers

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

Sr. No.	Particulars	Units	FY 2021-22	
			Existing	Proposed
1	ARR for FY 2021-22	Rs. Crores	906.14	906.14
2	Revenue for FY 2021-22	Rs. Crores	192.17	224.85
3	Gap (1-2)	Rs. Crores	713.96	681.28
4	Total Sales	MU's	281.85	281.85
5	Average Cost of Supply (1 / 4 x 10)	Rs. per kWh	32.15	32.15
6	Average Revenue (2 / 4 x 10)	Rs. per kWh	6.82	7.98
7	Pure Gap (5-6)	Rs. per kWh	25.33	24.17
8	Average Hike in Tariff			1.16
9	Hike in %			17.01%

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Hence, it is submitted that the average tariff hike required to recover the gap attributable to FY 2021-22 is Rs. 25.33, but keeping in view the resultant burden on the consumers, only average hike in tariff of Rs.1.16 per unit been proposed in the petition.


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

4.4 Comparison of Existing Tariff with proposed Tariff:

Table - 4.4 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	152.08	63.98	4.04	74.79	4.75
Commercial	43.09	70.19	9.40	77.64	10.41
Government Connection	30.72				
Industry	14.10	10.46	6.70	15.11	9.99
Bulk	33.97	42.64	12.50	51.13	15.00
Public Lighting	6.73	4.64	6.10	5.92	8.00
Irrigation, Pumps & Agriculture	1.15	0.26	1.60	0.26	1.60
Revenue from Sale of Power	281.84	192.17	6.82	224.85	7.98


5. Directives

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


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**ANDAMAN & NICOBAR ISLAND
ENERGY DEMAND
YEAR 2019-20**

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	116413	185858	35.93	0.00	142.93
2	Commercial (NRS)	20050	88405	14.08	0.00	71.42
3	Industrial					
(a)	HT Supply	0	0	0.00	0.00	0.00
(b)	LT Supply	469	14554	5.31		12.82
(c)	Total	469	14554	5.31	0.00	12.82
4	Public Lighting	738	2990	0.66		6.73
5	Railway Traction	0	0	0.00	0.00	0.00
6	Total Metered Sales (except Agriculture) within State/UT (total: 1 to 5)	137670	291808	55.99	0.00	233.90
7	Agricultural Consumption					
(a)	Metered	443	1042	0.69	0.00	1.12
(b)	Un-metered	0	0	0.00	0.00	0
(c)	Total	443	1042	0.69	0.00	1.12
8	Temporary	778	2266	0.46		0.99
9	LIG (Unmetered)	0	0	0.00	0.00	
10	Bulk supply	66	1293	2.86		32.26
10	Total Demand/ Sale Within State/UT (6 to 9)	138957	296409	60.00	0.00	268.27


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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	Calculation	Unit	Previous Years (Actuals)	Current Year (R.E)	Ensuing Year (Projection)
				2019-20	2020-21	2021-22
1	Generation (own as well as any other connected generation net after deducting auxiliary consumption) within area of supply of DISCOM.	A	MU	87.75	68.38	90.47
2	Input energy (metered Import) received at interface points of DISCOM network.	B	MU	254.35	244.55	257.49
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	342.09	312.93	347.96
5	Energy billed to metered consumers within the licensed area of the DISCOM.	E	MU	268.27	250.34	281.85
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	268.27	250.34	281.85
12	Distribution loss (%)	$H = \frac{(D-G)}{D} \times 100$	%	21.58	20.00	19.00



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Electricity Department, Andaman & Nicobar Island

ENERGY BALANCE

(All figures in MU)

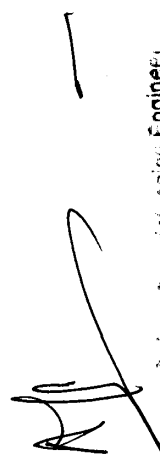
Sr. No.	Item	Previous Year (Actuals) 2019-20	Current Year (R.E) 2020-21	Ensuing Year (Projection) 2021-22
1	2	3	4	5
A)	ENERGY REQUIREMENT			
1	Energy sales to metered category within the State/UT	267.15	249.31	280.69
2	Energy sales to Agriculture consumers	1.12	1.03	1.15
3	Total sales within the State/UT	268.27	250.34	281.85
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	268.27	250.34	281.85
9	T&D losses			
	i) %	21.58	20.00	19.00
	ii) MU	73.82	62.59	66.11
10	Total energy requirement	342.09	312.93	347.96
B)	ENERGY AVAILABILITY			
1	Net thermal & Solar generation (Own+ IPP+ HPP)	334.62	312.93	347.96
2	Net hydel generation (own)	7.47	0.00	0.00
3	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)	342.09	312.93	347.96
5	Total energy availability	342.09	312.93	347.96


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Electricity Department, Andaman & Nicobar Island
POWER PURCHASE COST

YEAR 2019-20

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		Gen. (MU)	AFC (Rs. Crore)	Licensee share (%)	Purchase (MU)	External losses (%)	Energy recd. by Licensee	VC (Rs./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	40.25	0.00	100.00	40.25	0.00	40.25	0.00	4.33	65.72	0.00	
ii.	HPP-II	10.00	100.00	10.00	73.82	0.00	100.00	73.82	0.00	73.82	0.00	8.63	111.41	0.00	
iii.	NTPC DG 5MW Aggreko	5.00	100.00	5.00	43.16	0.00	100.00	43.16	0.00	43.16	0.00	6.13	68.24	0.00	
iv.	NTPC DG 10MW NNVN	10.00	100.00	10.00	71.08	0.00	100.00	71.08	0.00	71.08	0.00	9.56	112.29	0.00	
v.	DG P/Plant Niel	0.96	100.00	0.96	4.71	0.00	100.00	4.71	0.00	4.71	0.00	0.43	8.14	0.00	
vi.	DG P/Plant Havelock	3.23	100.00	3.23	8.13	0.00	100.00	8.13	0.00	8.13	0.00	1.05	12.61	0.00	
vii.	SECI Solar	1.00	100.00	1.00	1.12	0.00	100.00	1.12	0.00	1.12	0.00	0.54	0.00	0.00	420.85
viii.	NLC	20.00	100.00	20.00	1.03	0.00	100.00	1.03	0.00	1.03	0.00	0.58	0.00	0.00	
ix.	MUNDRA Port Blair	2.84	100.00	2.84	3.11	0.00	100.00	3.11	0.00	3.11	0.00	0.68	0.00	0.00	
x.	MUNDRA Car Nicobar	0.31	100.00	0.31	0.54	0.00	100.00	0.54	0.00	0.54	0.00	0.12	0.00	0.00	
xi.	Mona Gen.(Maya/baratang)	2.40	100.00	2.40	2.53	0.00	100.00	2.53	0.00	2.53	0.00	0.31	4.85	0.00	
xii.	G/Charana (SPV) NTPC	5.00	100.00	5.00	4.58	0.00	100.00	4.58	0.00	4.58	0.00	4.29	0.00	0.00	
xiii.	HPP - others	0.23	100.00	0.23	0.30	0.00	100.00	0.30	0.00	0.30	0.00	0.36	0.58	0.00	
2	Own-generation.														
i.	Diesel	67.84	100.00	67.84	86.35	0.00	100.00	86.35	0.00	86.35	0.00	0.00	0.00	0.00	159.43
ii.	Renewable	5.25	100.00	5.25	7.47	0.00	100.00	7.47	0.00	7.47	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	139.06		139.06	348.17			348.17		348.17		37.01	383.84	0.00	580.28


 Assistant Engineer / Superintending Engineer,
 Electrical Department / Electricity Administration,
 Andaman & Nicobar Administration,
 Port Blair

Electricity Department, Andaman & Nicobar Island
POWER PURCHASE COST

YEAR 2020-21

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		Gen. (MU)	AFC (Rs. Crore)	Licensee share (%)	Purchase (MU)	External losses (%)	Energy recd. by Licensee	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	39.09	0.00	100.00	39.09	0.00	39.09	0.00	4.21	61.55	0.00	
ii.	HPP-II	10.00	100.00	10.00	60.47	0.00	100.00	60.47	0.00	60.47	0.00	7.07	94.05	0.00	
iii.	NTPC DG 5MW Aggreko	5.00	100.00	5.00	45.00	0.00	100.00	45.00	0.00	45.00	0.00	6.39	69.26	0.00	
iv.	NTPC DG 10MW NVVN	10.00	100.00	10.00	70.80	0.00	100.00	70.80	0.00	70.80	0.00	9.52	115.54	0.00	
v.	DG P/Plant Niel	0.96	100.00	0.96	2.76	0.00	100.00	2.76	0.00	2.76	0.00	0.25	4.82	0.00	
vi.	DG P/Plant Havelock	3.23	100.00	3.23	0.22	0.00	100.00	0.22	0.00	0.22	0.00	0.03	0.36	0.00	
vii.	SECI Solar	1.00	100.00	1.00	0.98	0.00	100.00	0.98	0.00	0.98	0.00	0.47	0.00	0.00	403.40
viii.	NLC	20.00	100.00	20.00	7.47	0.00	100.00	7.47	0.00	7.47	0.00	4.98	0.00	0.00	
ix.	MUNDRA Port Blair	2.84	100.00	2.84	2.71	0.00	100.00	2.71	0.00	2.71	0.00	0.60	0.00	0.00	
x.	MUNDRA Car Nicobar	0.31	100.00	0.31	0.30	0.00	100.00	0.30	0.00	0.30	0.00	0.07	0.00	0.00	
xi.	Mona Gen. (Maya/Baratang)	2.40	100.00	2.40	9.62	0.00	100.00	9.62	0.00	9.62	0.00	1.19	17.55	0.00	
xii.	G/Charama (SPV) NTPC	5.00	100.00	5.00	4.84	0.00	100.00	4.84	0.00	4.84	0.00	4.52	0.00	0.00	
xiii.	HPP - others	0.23	100.00	0.23	0.31	0.00	100.00	0.31	0.00	0.31	0.00	0.37	0.60	0.00	
2	Own-generation.														
i.	Diesel	67.84	0.00	67.84	83.32	0.00	0.00	83.32	0.00	83.32	0.00	0.00	0.00	0.00	120.13
ii.	Renewable	5.25	0.00	5.25	9.57	0.00	0.00	9.57	0.00	9.57	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	139.06		139.06	337.44			337.44		337.44		39.66	363.74	0.00	523.53



अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

Electricity Department, Andaman & Nicobar Island
POWER PURCHASE COST

YEAR 2021-22

Sr. No.	Source	Capacity (MW)	Firm allocation to Licensee		Gen. (MU)	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	40.96	0.00	100.00	40.96	0.00	40.96	0.00	4.41	67.73	0.00	
ii.	HPP-II	10.00	100.00	10.00	63.38	0.00	100.00	63.38	0.00	63.38	0.00	7.41	103.52	0.00	
iii.	NTPC DG 5MW Aggreko	5.00	100.00	5.00	47.14	0.00	100.00	47.14	0.00	47.14	0.00	6.69	76.19	0.00	
iv.	NTPC DG 10MW NVVN	10.00	100.00	10.00	74.17	0.00	100.00	74.17	0.00	74.17	0.00	9.97	127.09	0.00	
v.	DG P/Plant Niel	0.96	100.00	0.96	2.89	0.00	100.00	2.89	0.00	2.89	0.00	0.27	5.30	0.00	
vi.	DG P/Plant Havelock	3.23	100.00	3.23	0.23	0.00	100.00	0.23	0.00	0.23	0.00	0.03	0.40	0.00	
vii.	SECI Solar	1.00	100.00	1.00	0.97	0.00	100.00	0.97	0.00	0.97	0.00	0.46	0.00	0.00	442.77
viii.	NLC	20.00	100.00	20.00	9.29	0.00	100.00	9.29	0.00	9.29	0.00	6.37	0.00	0.00	
ix.	MUNDRA Port Blair	2.84	100.00	2.84	2.52	0.00	100.00	2.52	0.00	2.52	0.00	0.55	0.00	0.00	
x.	MUNDRA Car Nicobar	0.31	100.00	0.31	0.25	0.00	100.00	0.25	0.00	0.25	0.00	0.06	0.00	0.00	
xi.	Mona Gen.(Maya/baratang)	2.40	100.00	2.40	9.89	0.00	100.00	9.89	0.00	9.89	0.00	1.23	18.95	0.00	
xii.	G/Charana (SPV) NTPC	5.00	100.00	5.00	5.47	0.00	100.00	5.47	0.00	5.47	0.00	5.11	0.00	0.00	
xiii.	HPP - others	0.23	100.00	0.23	0.32	0.00	100.00	0.32	0.00	0.32	0.00	0.38	0.66	0.00	
2	Own-generation.														
i.	Diesel	67.84	0.00	67.84	88.87	0.00	0.00	88.87	0.00	88.87	0.00	0.00	0.00	0.00	172.49
ii.	Renewable	5.25	0.00	5.25	10.05	0.00	0.00	10.05	0.00	10.05	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	139.06		139.06	356.41			356.41		356.41		42.93	399.84	0.00	615.26



अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

Electricity Department, Andaman & Nicobar Island

Sl. No.	Name of scheme	Proposed Capital Expenditure (Rs. Lakhs)		
		FY 2019-20	FY 2020-21	FY 2021-22
1	Strengthening of Admn. & infrastructures in Electricity Department.	5.49	10.00	15.00
2	Construction/ Strengthening of T&D System in A&N Island.	837.03	1700.00	1860.00
3	Augmentation of DG Cap. in A&N Islands.	457.19	460.00	529.00
4	Construction & Maintenance of Civil Infrastructures for Electricity Department.	386.97	288.00	432.00
5	Feasibility study for establishment of Nuclear/ Gas based Power Plants.	0.00	0.00	0.00
6	Addition of Generating capacity in A&N Islands on hiring / IPP/ PPA.	0.00	0.00	0.00
7	Modenigation/ Renovation of old T&D systems in Rural area of South Andaman Island and North & Middle Andaman District as per audit report.	0.00	0.00	0.00
	TOTAL	1686.68	2458.00	2836.00



अधीक्षक अभियंता / Superintending Engineer.
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

Electricity Department, Andaman & Nicobar Island

Capital Base and Return

Sr. No.	Particulars	(Rs. in crores)		
		Previous Year (Actuals) 2019-20	Current Year (R.E) 2020-21	Ensuing Year (Projection) 2021-22
1	2	3	4	5
1	Gross block at beginning of the year	511.95	516.24	553.41
2	Less accumulated depreciation	206.80	223.12	240.04
3	Net block at beginning of the year	305.14	293.12	313.36
4	Less accumulated consumer contribution	0.00	0.00	0.00
5	Net fixed assets at beginning of the year	305.14	293.12	313.36
6	Reasonable return @3% of NFA	9.15	8.79	9.40



अधीक्षक अभियंता / Superintending Engineer,
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

Electricity Department, Andaman & Nicobar Island

Original Cost of Fixed Assets

Sr. No.	Assets group	(Rs. in crores)										
		2018-19	2018-19	2018-19	2019-20	2019-20	2020-21	2020-21	2020-21	2021-22	2021-22	2021-22
1	2	3	4	5	6	7	8	9	10	11		
1	Thermal	225.19	0.00	225.20	4.29	229.49	37.17	266.66	28.36	295.02		
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	225.19	0.00	225.20	4.29	229.49	37.17	266.66	28.36	295.02		



अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

Format-8

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

Sr. No.	Particulars	2019-20 (actual)	2020-21 (RE)	Ensuing Year (Projection) 2021-22
1	2	3	4	5
1	Opening balance	9.51	22.09	9.50
2	Add: New investments	16.87	24.58	28.36
3	Total	26.38	46.67	37.86
4	Less investment capitalized	4.29	37.17	28.36
5	Closing balance	22.09	9.50	9.50



अधीक्षक अभियंता / Superintendent Engineer
विद्युत विभाग / Electricity Department
अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

Format-9

Electricity Department, Andaman & Nicobar Island
Interest Capitalized

Sr. No.	Particulars	2019-20 (actual)	2020-21 (RE)	Ensuing Year (Projection) 2021-22
1	2	3	4	5
1	WIP*	22.09	9.50	9.50
2	GFA* at the end of the year	229.49	266.66	295.02
3	WIP+GFA at the end of the year	251.58	276.16	304.52
4	Interest(excluding interest on WCL*)	22.77	22.51	24.82
5	Interest Capitalized	0.00	0.00	0.00

Electricity Department, Union Territory of Andaman & Nicobar Islands

VIII

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.
 (Rs. in Crores)]

Sl. No.	Particulars (source)	Opening balance	Rate of interest	Addition during the year	Repay ment during the year	Closing balance	Amount of interest paid		
							Current Year 2019-20 (Actual)	Ensuing year 2020-21 (RE)	Ensuing year 2021-22 (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
	-Central Govt.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	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



अधीक्षक अभियंता / Superintending Engineer
 विद्युत विभाग / Electricity Department
 अ. नि. प्रशासन / A & N Administration
 पोर्ट ब्लेयर / Port Blair

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	



अधीक्षक अभियंता / Superintending Engineer
विद्युत विभाग / Electricity Department
ड. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

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

Sr. No.	Particulars Name of the Assets	Rate of depreciation*	Previous Year 2018-19			Current Year 2020-21			Ensnuing Year 2021-22		
			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
1	2	3	4	5	6	7	8	9	10	11	
	(I) Thermal										
1	Land and land rights		0.86	0.00	0.86	0.00	0.87	0.00	0.87	0.00	
2	Buildings		35.82	0.00	52.21	13.81	52.21	15.05	58.96	16.34	
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		166.31	0.00	436.67	173.36	440.87	188.38	471.21	203.94	
6	Lines and cable network		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	Vehicles		5.18	0.00	5.18	4.56	5.18	4.58	5.18	4.59	
8	Furniture and fixtures		1.24	0.00	1.24	1.02	1.24	1.04	1.24	1.05	
9	Computer		15.78	0.00	15.79	14.05	15.87	14.09	15.94	14.12	
10	Total		225.19	0.00	511.95	206.80	516.24	223.12	553.41	240.04	
	(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	

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Sr. No.	Particulars Name of the Assets	Rate of depreciation*	Previous Year 2018-19		Previous Year 2019-20		Current Year 2020-21		Ensuing Year 2021-22	
			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									
	Land and land rights		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Buildings		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hydraulic works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Other civil works		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Plant and machinery		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lines and cable network		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Vehicles		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Furniture and fixtures		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Office equipment		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
	Grand Total (I to VI)		225.19	0.00	511.95	206.80	516.24	223.12	553.41	240.04

APB

अधीक्षक अभियंता / Superintending Engineer
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अ. नि. प्रशासन / A & N Administration
पोर्ट ब्लेयर / Port Blair

Electricity Department, Andaman & Nicobar Island

Repair and Maintenance Expenses

(Rs. in crores)

Sr. No	Particulars	Previous year (actual)	Current year (RE)	Ensuing Year (Projection)
		2019-20	2020-21	2021-22
1	2	3	4	5
1	Plant & machinery	60.31	61.32	62.34
	-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	60.31	61.32	62.34
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	60.31	61.32	62.34
10.	Add/Deduct share of others (To be specified)	0.00	0.00	0.00
11.	Total expenses	60.31	61.32	62.34
12.	Less capitalized	0.00	0.00	0.00
13.	Net expenses	60.31	61.32	62.34
14.	Add prior period *	0.00	0.00	0.00
15.	Total expenses charged to revenue as R&M expenses	60.31	61.32	62.34

Electricity Department, Andaman & Nicobar Island**Total Number of Employees**

Sr. No.	Particulars	Previous Year (actuals) 2019- 20	Current year (RE) 2020-21	Ensuing Year (Projection) 2021-22
1	2	3	4	5
1	Number of employees as on 1st April	2378	2455	2567
2	Employees on deputation/ foreign service as on 1st April	0	0	0
3	Total number of employees (1+2)	2378	2455	2567
4	Number of employees retired/retiring during the year	120	105	126
5	Number of employees Recruited during the year	197	217	223
6	Number of employees at the end of the year (3-4+5)	2455	2567	2664



अधीक्षक अभियंता / Superintending Engineer,

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पोर्ट ब्लेयर / Port Blair

Electricity Department, Union Territory of Andaman & Nicobar Islands

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) 2019-20	Current year (revised) 2020-21	Ensuing Year (Projection) 2021-22
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	131.05	137.88	145.07
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	131.05	137.88	145.07

Electricity Department, Andaman & Nicobar Island

Administration and General Expenses

(Rs. in crores)

Sr. No.	Sub-head	Previous year (actual) 2019-20	Current year (RE) 2020-21	Ensuing Year (Projection) 2021-22
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			
11	Other material related expenses			
12	Total	15.36	16.16	17.00
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	15.36	16.16	17.00



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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

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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) 2019-20	Current year (RE) 2020-21	Ensuing Year (Projection) 2021-22
1	2	3	4	5
1	O&M Expenses for one month	17.23	17.95	18.70
2	Maintenance for spares @40% of R&M	24.13	24.53	24.94
3	Receivables for 2 months	30.21	27.69	37.48
4	Less; Adjustment for security Deposit	0.00	0.00	0.00
5	Net Working Capital	71.56	70.16	81.11
6	Rate of Interest for Working Capital	10.55%	9.75%	9.75%
7	Interest on Working Capital	7.55	6.84	7.91


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**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	Previous year (actuals) 2019-20	Current year (RE) 2020-21	Ensuing Year (Projection) 2021- 22
1	2	3	4	5
1	Meter/service rent	2.94	3.09	3.25
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	2.94	3.09	3.25
9	Add prior period income*	0.00	0.00	0.00
10	Total non tariff income	2.94	3.09	3.25

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

	Previous year (actual) 2019-20	Current year (RE) 2020-21	Ensuing Year (Projection) 2021-22
1	3	4	5
1	0.00	0.00	0.00
2	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



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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 2019-20	153.58	199.08	30:70
2	As on March 31 of ensuring Year 2020-21	154.87	185.77	30:70
3	As on March 31 of ensuring Year 2021-22	166.02	194.87	30:70



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**Electricity Department, Andaman & Nicobar Island
Annual Revenue Requirement**

(Rs. in crores)

Sr. No.	Item of expense	FY 2019-20	FY 2020-21	FY 2021-22
1	2	3	4	5
1	Cost of fuel	159.43	120.13	172.49
2	Cost of power purchase	420.85	403.40	442.77
3	Employee costs	131.05	137.88	145.07
4	R&M expenses	60.31	61.32	62.34
5	Administration and general expenses	15.36	16.16	17.00
6	Depreciation	16.32	16.93	17.40
7	Interest & Finance Charges	18.38	16.65	17.16
8	Interest on working capital	7.55	6.84	7.91
9	Return on NFA /Equity	24.68	25.67	27.24
10	Provision for Bad Debit	0.00	0.00	0.00
11	Total revenue requirement	853.91	804.98	909.39
12	Less: non tariff income	2.94	3.09	3.25
13	Net revenue requirement (11-12)	850.97	801.89	906.14
14	Revenue from tariff	183.11	166.97	192.17
15	Gap	667.87	634.92	713.96
16	Gap for -----	0.00	0.00	0.00
17	Total gap (14+15)	667.87	634.92	713.96
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)	268.27	250.34	281.85


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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**

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	118753	145.08	0.00	0.00	4.04	61.11
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	21243	57.76	0.00	0.00	9.40	55.07
3	Public lighting	751	6.62	0.00	0.00	6.10	4.71
	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	477	9.26	0.00	0.00	0.00	0.00
	Total (a+b)	477	9.26	0.00	0.00	6.70	7.39
5	Bulk supply	67	30.59	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	67	30.59	0.00	0.00	12.50	38.44
10	Agriculture consumption	452	1.03	0.00	0.00	0.00	0.00
11	Total	452	1.03	0.00	0.00	1.60	0.25
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	141743	250.34	0.00	0.00	6.67	166.97
14	Grand Total	166.97					


Electricity Department, Andaman & Nicobar Island

Revenue from Existing Tariff

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

2021-22 (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	Life Line Connection						
a)	0 to 50 units	0.00	0.00	0.00	0.00	0.00	0.00
	Domestic						
a)	Upto 100	0.00	0.00	0.00	0.00	0.00	0.00
b)	101 to 200	0.00	0.00	0.00	0.00	0.00	0.00
c)	201 to 500	0.00	0.00	0.00	0.00	0.00	0.00
d)	501 & above	0.00	0.00	0.00	0.00	0.00	0.00
	Total	121128	152.08	0.00	0.00	4.04	63.98
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	21671	73.81	0.00	0.00	9.40	70.19
3	Public lighting	766	6.73	0.00	0.00	6.10	4.64
	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	488	14.10	0.00	0.00	0.00	0.00
	Total (a+b)	488	14.10	0.00	0.00	6.70	10.46
5	Bulk supply	68	33.97	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	33.97	0.00	0.00	12.50	42.64
10	Agriculture consumption	461	1.15	0.00	0.00	0.00	0.00
11	Total	461	1.15	0.00	0.00	1.60	0.26
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	144582	281.85	0.00	0.00	6.82	192.17
14	Grand Total	192.17					



Electricity Department, Andaman & Nicobar Island

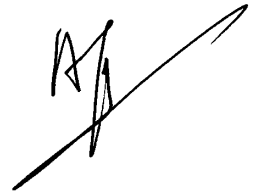
Revenue from Proposed Tariff

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

2021-22 (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	Life Line Connection	0.00	0.00	0.00	0.00	0.00	0.00
a)	0 to 50 units						
	Domestic						
a)	0 to 100 units	0.00	0.00	0.00	0.00	0.00	0.00
b)	101 to 200 units	0.00	0.00	0.00	0.00	0.00	0.00
c)	201 to 500 units	0.00	0.00	0.00	0.00	0.00	0.00
d)	501 to 1000 units	0.00	0.00	0.00	0.00	0.00	0.00
e)	1001 & above						
	Total	121128	152.08	0.00	0.00	4.75	74.79
2	Commercial						
a)	0 to 200 units	0.00	0.00	0.00	0.00	0.00	0.00
b)	201 to 500 units	0.00	0.00	0.00	0.00	0.00	0.00
c)	501 to 1000 units	0.00	0.00	0.00	0.00	0.00	0.00
d)	1001 & above	0.00	0.00	0.00	0.00	0.00	0.00
	Total	21671	73.81	0.00	0.00	10.41	77.64
3	Public lighting	766	6.73	0.00	0.00	8.00	5.92
	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	488	14.10	0.00	0.00	0.00	0.00
	Total (a+b)	488	14.10	0.00	0.00	9.99	15.11
5	Bulk supply	68	33.97	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	33.97	0.00	0.00	15.00	51.13
10	Agriculture consumption	461	1.15	0.00	0.00	0.00	0.00
11	Total	461	1.15	0.00	0.00	1.60	0.26
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	144582	281.85	0.00	0.00	7.98	224.85
14	Grand Total	224.85					

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			
1.9	Total			
2. Calculation of Energy / Variable charges				
2.1	Rate of Energy Charge from Primary Fuel (REC) p2	Not applicable		
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)			



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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	0	(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



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 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			


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Format - 5G

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							

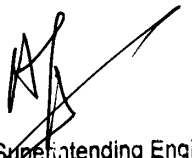
Details provided in Format -10

Format - 6G

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


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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											
Upto (year)											
After (Year)											
(Rupees in Crore)											
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




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पोर्ट ब्लेयर / Port Blair

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)					


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 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					

MYT FOR THE PERIOD 2015-16 TO 2017-18

Information regarding Foreign Exchange Rate Variation (FERV)

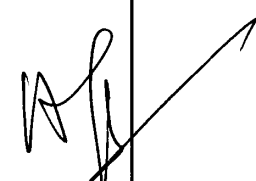
Sr. No.	Particulars	Amount (Rs. In Crores)
1	2	3
1	Amount of Liability provided	Not applicable
2	Amount recovered	
3	Amount adjusted	


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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	Separate power stationwise details are not maintained. Consolidated Operation & Maintenance expenses is provided in Format- 13,15 &16				
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					


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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
	c) 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					


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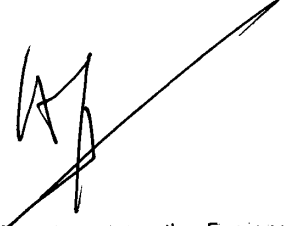
Name of the Generating Station:

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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