

# ANNUAL REPORT 2017-18



Arunachal Pradesh State Electricity Regulatory Commission





सत्यमेव जयते

# ANNUAL REPORT 2017-18



## **Arunachal Pradesh State Electricity Regulatory Commission**

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## FROM THE DESK OF THE CHAIRPERSON

It gives me immense pleasure to present first Annual Report of the Arunachal Pradesh State Electricity Regulatory Commission for 2017-18 in compliance with the provisions of Section 105 of the EA-2003. The report provides an account of the activities of the Commission during 2017-18 with summary of its accounts for the year.

The Commission started functioning from 02/03/2011 and since then it has been endeavouring to set up a fair, transparent and objective electricity regulatory regime in the state. The Commission has taken steps for promoting efficiency and competitiveness in electricity sector, improving the performance and financial viability of the electricity utilities and ensuring protection of consumer interest.



The year 2017-18 was consequential for the commission in many perspectives. During this year Commission took several initiatives to demonstrate regulatory certainty and consistency to all stakeholders in the state. New regulations were notified and amendments in the existing regulations made. Also the Commission shifted its office from Naharlagun to a hired complex in Itanagar, which is fully furnished and well equipped to transact its mandated business more efficiently.

Under section 91(4) of EA-2003, the Commission notified the APSERC (Appointment of Consultants) Regulation, 2017 and engaged regular consultants with specialized skills in the field of technical, finance, legal and administrative functions so as to discharge its functions smoothly.

During the year 2017-18, petitions for approval of Annual Revenue Requirement (ARR) and tariff proposal for the year 2017-18 were filed by Department of Power (DOP) and Department of Hydro Power Development (DHPD), Govt. of Arunachal Pradesh. The Commission issued orders for determination of ARR and Tariff for the year 2017-18 for DOP and DHPD respectively.

The Commission has been concerned about the high distribution losses in the State. The high losses are largely due to unmetered supply, theft of electricity and adhoc energy billing not based on regular meter reading. The technical losses are also quite high. This issue needs to be addressed with seriousness by all concerned.

As per EA-2003, the Commission is mandated to safeguard the interests of the electricity consumers of the state and to ensure that reliable, safe and quality power at reasonable rates is supplied. In order to educate the consumers about the provisions of the Act, the Commission organised a series of interaction programmes at several district HQ with the help of District administration and DoP officials under the umbrella of “Consumer Awareness Programme”.

With a view to reduce the carbon foot print from the Power sector, the Govt. of India is according high priority to generation of power through renewable sources. Tariff policy issued by Govt. of India mandates the fixing of target for Renewable Power Obligation by the distribution utilities and the obligated entities. Even though this Commission has already fixed the RPO target for the distribution licensee, it is a matter of concern these targets are not being met fully by them.

As a result of Govt. initiative Arunachal Pradesh has seen a surge in the installation of the RE projects. Even though these are in accordance with the Govt. policies, due to intermittent nature of power from these sources



grid operation becomes problematic. Commission has initiated steps to ensure seamless integration of RE power in to the Grid.

The State has undertaken power for all (24x7) programme, a joint initiative of Govt. of India and Government of Arunachal Pradesh. The programme aims to provide electricity to all households on 24x7 basis. The State DOP have also entered into Memorandum of Understanding under Ujwal DISCOM Assurance Yojana (UDAY) with Ministry of Power, Govt. of India for financial turnaround of the distribution utility. The Commission is keeping a tab on the implementation of this scheme. Additionally the Commission has been emphasising for the need of unbundling of the power department into corporate units for Generation, Transmission and Distribution.

I congratulate and sincerely thank consumers and consumer organizations, Members of the State Advisory Committee and other stakeholders for their valuable suggestions which helped the Commission in determination of a very rational, balanced Tariff Order and for other regulatory activities.

The Commission is also thankful to the Arunachal Pradesh Government for unstinted support for activities of the Commission. The Commission shall continue to make sincere efforts for the development of power sector in the state. The Commission looks forward to continued support from all stakeholders including the Govt. of Arunachal Pradesh, consumers and public in discharge of its statutory responsibilities of ensuring sustained viability of the electricity sector and protection of interest of consumers for the development of the state and welfare of its people.

**R. P. Singh**

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## ABBREVIATIONS

AP	Arunachal Pradesh
AG	Accountant General
APEDA	Arunachal Pradesh Energy Development Agency
APSERC	Arunachal Pradesh State Electricity Regulatory Commission
ATE	Appellate Tribunal for Electricity
BEE	Bureau of Energy Efficiency
CABIL	Capacity Building of Indian Load Dispatch Centres
CAG	Comptroller and Auditor General of India
CBIP	Central Board of Irrigation and Power
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CGRF	Consumer Grievances Redressal Forum
CTU	Central Transmission Utility
DDUGJY	Deen Dayal Upadhyaya Gram Jyoti Yojana
DHPD	Department of Hydro Power Development
DISCOM	Distribution Company/Distribution Licensee
DoP	Department of Power
DPR	Detailed Project Report
EA-2003	The Electricity Act, 2003 (36 of 2003)
E-COURT	Electronic Court
EE	Executive Engineer
FOIR	Forum of Indian Regulators
FORENS	Forum of Regulator Eastern and North Eastern States
FOR	Forum of Regulators
GoAP	Government of Arunachal Pradesh
GOI	Government of India
HEP	Hydro Electric Plant



HT	High Tension
IPDS	Integrated Power Development Scheme
ISGF	India Smart Grid Forum
IT	Information Technology
kV	Kilo-Volt
LT	Low Tension
MoP	Ministry of Power
MU	Million Unit
MW	Mega Watt
MYT	Multi Year Tariff
NERLDC	North Eastern Regional Load Despatch Centre
NERPC	North Eastern Regional Power Committee
NGOs	Non-Government Organisation
NPS	National Pension Scheme
OERC	Orissa Electricity Regulatory Commission
PAT	Perform Achieve and Trade
POSO	Power System Operation Cooperation
PSDF	Power System Development Fund
PPA	Power Purchase Agreement
RE	Renewable Energy
SAC	State Advisory Committee
SAMAST	Scheduling, Accounting, Metering, and Settlement of Transaction in Electricity
SLDC	State Load Dispatch Centre
SE	Superintending Engineer
SERC	State Electricity Regulatory Commission
UDAY	Ujwal DISCOM Assurance Yojana

## ACTIVITY HIGHLIGHTS OF 2017-18

### 1) **Determination of Tariff:**

- a) The Commission issued its Retail Tariff order for the 2017-18 in respect of Department of Power-GoAP on 26/09/2017.
- b) The Commission also issued Tariff Order for the 2017-18 in respect of Department of Hydro Power Development, GoAP on 08/09/2017.

### 2) **Memberships:**

The Commission like in previous years has continued to be a Member of the following Forums, viz.

- a) Forum of Regulators (FOR)
- b) Forum of Indian Regulators (FOIR)
- c) Forum of Regulators for Eastern & North-Eastern States (FORENS)
- d) CBIP India

### 3) **Disposal of petitions & Misc. Application:**

The Commission has disposed of two tariff petitions and one license application received during the 2017-18.

### 4) **Meeting:**

#### a) **State Advisory Committee Meetings:**

- i. The 5<sup>th</sup> SAC meeting was held on 31/10/2017 at Conference room of APSERC, Itanagar.
- ii. The 6<sup>th</sup> SAC meeting was held on 19/03/2018 at Conference room of APSERC, Itanagar.

#### b) **Review Meeting with DoP/DHPD/APEDA :**

- i. First review meeting with Department of Power, Department of Hydro Power and APEDA was held on 14/07/2017 to review Ujwal DISCOM Assurance Yojana (UDAY) in the state and to have consultation process with Deptt. of Power to prepare state specific white Paper on the Power sector by the Commission as desired by the minister of state (independent Charge) Power, Coal, MNRE, Govt. of India.
- ii. Second review meeting was held on 10/11/2017 at APSERC office, Itanagar to monitor progress in various Govt. of India schemes along with follow up of first meeting in the state power distribution & transmission sector of Govt. of Arunachal Pradesh.



- iii. Review meeting was held on 08/11/2017 with the Director, APEDA with sole purpose of promoting “Energy Conservation and Energy Efficiency” through PAT scheme of BEE, GOI.

## **5) Regulation:**

**The Commission during the year 2017-18 issued the following Regulations:**

- a) APERC Appointment of Consultants Regulations -2017.
- b) APERC (Procedure, Terms & Condition for grant of Transmission Licence and Other Related Matters Regulation) - 2017.
- c) APERC Terms and Conditions for Tariff Determination from Renewable Energy Sources Regulation - 2012 (1<sup>st</sup> Amendment) – 2017.
- d) APERC Payment of Fees Regulation (1<sup>st</sup> Amendment) – 2017.
- e) APERC Draft Terms & Conditions for Tariff Determination from Renewable Energy Sources Regulations -2018.
- f) APERC Draft Appointment of Consultants Regulations -2018.

## **6) Training Programmes:**

- a) Chairperson, Secretary and all the Consultants of the Commission attended workshop organised by Forum of Regulators at New Delhi from 17<sup>th</sup>-19<sup>th</sup> November 2017.
- b) Smt. Punam Rabha, Staff Consultant attended 11th Capacity Building Programme organised by Department of Industrial and Management Engineering, Indian Institute of Technology Kanpur (IIT, Kanpur) from 9<sup>th</sup> -15<sup>th</sup> December 2017.
- c) Chairperson, Secretary and Expert Consultant attended ISG week at New Delhi from 5<sup>th</sup> - 9<sup>th</sup> March 2018.

## **7) Shifting of Office:**

During the year 2017-18, the Commission has shifted its office to a new building at 2<sup>nd</sup> Floor, O.T. Building, T.T. Marg, Niti Vihar, Itanagar- 791111 on lease basis and started functioning from there since August 2018.



Inauguration of the new office of APSERC by Hon'ble Chief Minister of Arunachal Pradesh on 02/04/2018



Oath taking by Hon'ble Chairperson Shri R.P. Singh

## 1. INTRODUCTION

### 1.1 The Commission

In exercise of the powers conferred by the EA- 2003, (herein after referred to as Act) under Sections 82 and 86, the Government of Arunachal Pradesh issued notification on 07/05/2010 for constitution of the Electricity Regulatory Commission for the State of Arunachal Pradesh to be known as “Arunachal Pradesh State Electricity Regulatory Commission” (APSERC). The Commission so constituted is a single member body comprising Chairperson to function in accordance with section 82 & 86 of EA-2003 and is responsible for regulation of the power sector in the State of Arunachal Pradesh. The office of the Commission is presently located at Itanagar, Arunachal Pradesh. The Commission started functioning with effect from 02/03/2011.

### 1.2 Functions of the Commission

**Section 86 of the EA-2003 elaborates the functions of the State Commission.**

- 1) In accordance with the provisions of the Act, the Commission discharges the following functions:
  - a) determine the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk, or retail, as the case may be, within the State; provided that where open access has been permitted to a category of consumers under Section 42, the State Commission shall determine only the wheeling charges and surcharge thereon, if any, for the said category of consumers.
  - b) regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State.
  - c) facilitate intra-state transmission and wheeling of electricity.
  - d) issue licenses to persons seeking to act as transmission licensees, distribution licensees and electricity traders with respect to their operations within the State.
  - e) promote co-generation and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale of electricity to any person, and specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution licensee.
  - f) adjudicate upon the disputes between the licensees and generating companies and to refer any dispute for arbitration.
  - g) levy fee for the purpose of the Act.



- h) specify State Grid Code consistent with the Grid Code specified under clause (h) of sub section (1) of section 79;
  - i) specify and enforce standards with respect to quality, continuity, and reliability of services by licensees.
  - j) fix the trading margin in the Intra-State trading of electricity, if considered, necessary.
  - k) discharge such other functions as may be assigned to it under the Act.
- 2) The State Commission shall advise the State Government on all or any of the following matters namely:
- a) promotion of competition, efficiency, and economy in activities of the electricity industry.
  - b) promotion of investment in electricity industry.
  - c) reorganization and restructuring of electricity industry in the State.
  - d) matters concerning generation, transmission, distribution and trading of electricity or any other matter referred to the State Commission by the State Government.
- 3) The State Commission shall ensure transparency while exercising its powers and discharging its functions.
- 4) In discharge of its functions, the State Commission shall be guided by the National Electricity Policy, National Electricity Plan and Tariff Policy published under section 3 of the Act.

### **1.3 The Vision & Mission**

#### **1) The Vision**

To ensure Quality, Reliable and Affordable Power to all the consumers and to contribute in the development of the State on the basis of such power supply.

#### **2) The Mission**

- To promote competition, efficiency and least cost power supply for the economic and social development of the state.
- To safeguard consumers interests and at the same time ensure recovery of the cost of electricity in a reasonable manner.
- To regulate all aspects of the electricity sector in an objective, professional and transparent manner.
- To encourage sustainable development in the State by promoting renewable sources of Power.

## 1.4 Annual Report

### Section 105 of the EA- 2003 states that

- 1) The State Commission shall prepare once in every year in such form and at such time as may be prescribed, an annual report giving a summary of its activities during the previous year and copies of the report shall be forwarded to the State Government.
- 2) A copy of the report received under sub-section (1) shall be laid, as soon as may be after it is received, before the State Legislature.

The Arunachal Pradesh State Electricity Regulatory Commission has prepared the Annual Report for submission to the State Govt.

## 1.5 Arunachal Pradesh – Geographical Details

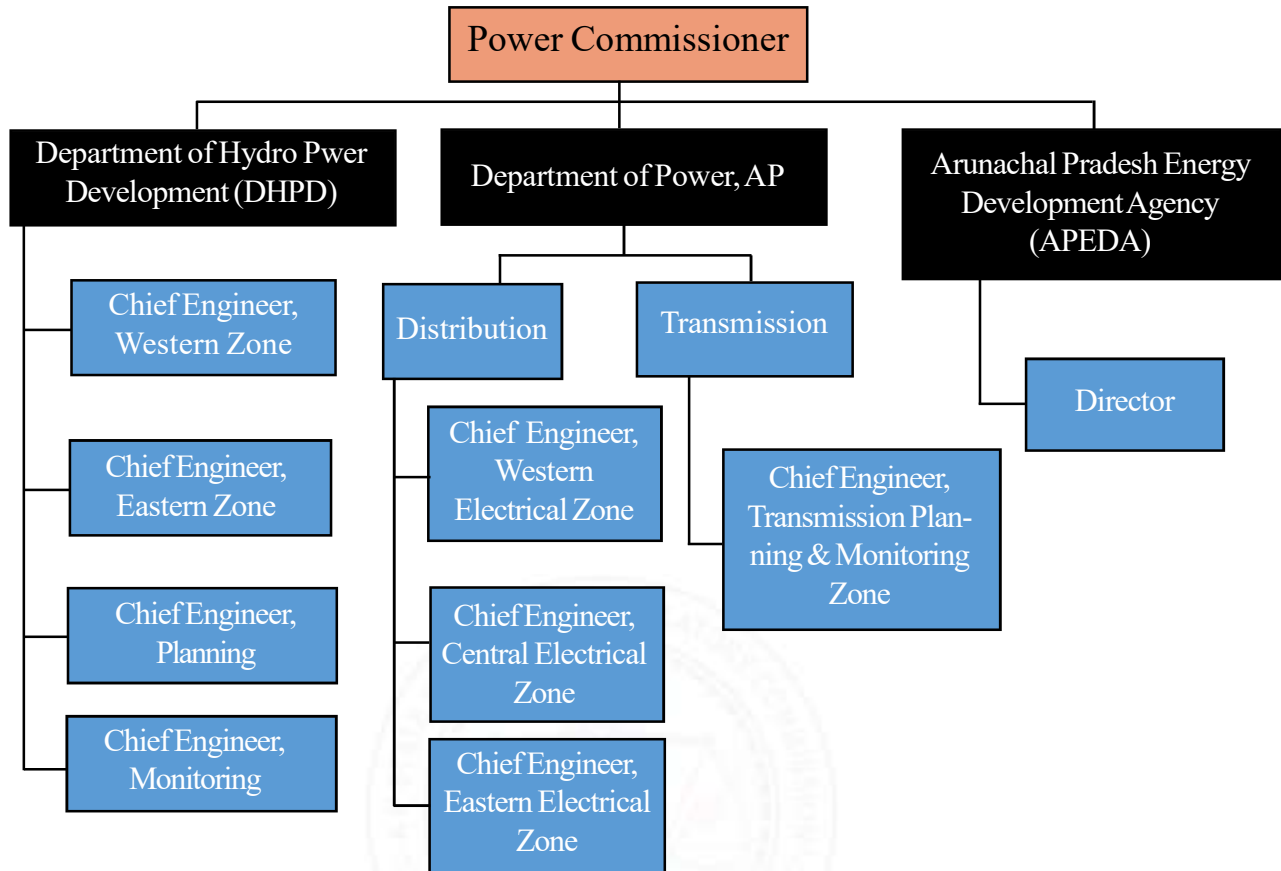
The total area of the State of Arunachal Pradesh is 83573 sq. kms. The State has a population of around 13.82 lakh (2011 census). It is bounded by Assam in South, Bhutan in West, China in North, and Nagaland and Myanmar in East. Its Capital Itanagar is about 340 kms from the Capital of Assam.



400 kV Switch yard, Ranganadi H.E. Project, Hoz, A.P.



## 1.6 Arunachal Pradesh Department of Power



## 1.7 Commission's Office

The Arunachal Pradesh State Electricity Regulatory Commission is functioning from its office located at "O.T Building, 2nd Floor, Niti Vihar Market, T.T Marg, Itanagar-791111, Arunachal Pradesh" as on date.

The Commission is also accessible through its website: [www.apserc.nic.in](http://www.apserc.nic.in) / e-mail [apserc-arn@gov.in](mailto:apserc-arn@gov.in).

## 2. PROFILE OF CHAIRPERSON AND OTHER OFFICIALS

### 2.1. PROFILE OF CHAIRPERSON

Shri Raghunath Prasad Singh was born on 01/01/1955. He graduated in Electrical Engineering from Regional Engineering College, Warangal. He started his career in 1981 as Engineer in North Eastern Electrical Power Corporation (NEEPCO) and superannuated on 31/12/2014 as Chairman and Managing Director, SJVN Limited.

Shri Raghunath Prasad Singh was appointed **Chairperson of Arunachal Pradesh Electricity Regulatory Commission (APSERC)** on 08/07/2016 and is continuing to hold the post as of today. During this brief period in APSERC Shri Singh has successfully upgraded the organisational structure in totality so as to associate closely with the Power Sector of the state of Arunachal Pradesh to see that it becomes at par with other states of the country.



### CAREER HISTORY

While in NEEPCO, he laid the foundation of exceptional expertise in the area of Corporate Planning, Monitoring, Design & Engineering, Execution and Operation & Maintenance of Hydro, Gas Turbine and Transmission projects from strategy to the operation & Maintenance. Shri Singh has handled and guided an immensely varied range of functions, covering very wide spectrum of power business.

During 2004-05, while he was the Head of Project of 405 MW Ranganadi HEP, Shri Singh was awarded Gold Medal by Govt. of Arunachal Pradesh in recognition of the meritorious services rendered to the state.

After joining SJVN as Director (Electrical), he became the functional Director of India's largest underground Hydro Power Station i.e. 1500 MW Nathpa Jhakri Hydro Power Station and achieved many milestones.

As Chairman & Managing Director of SJVN, he demonstrated highest commitment to Corporate Governance and value Based Leadership. He ushered in several strategic and business process changes of major significance in several areas viz. fast tracking of project conception and development; IT enabled facilitation and monitoring of projects and operations; technology development; short-term and long-term business intelligence and perspectives.








Under his dynamic leadership, 1500 MW Nathpa Jhakri Hydro Power Station won "**Gold Shield National Award**" during 2010-11, "**Bronze Shield National Award**" during 2011-12 & "**Silver Shield National Award**" during 2012-13.

Shri Singh has presented various papers in seminars and workshops at National and International levels on various topics.





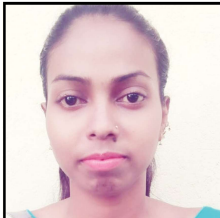


## 2.2 OFFICERS & STAFFS OF APSERC

	<p>Name: Sh. Dharmendra Mishra Designation: Secretary Qualification: B.Sc. Engg. (Electrical), M. Tech. (IEM)</p>
	<p>Name: Sh. Marjum Karlo Designation: PS To Chairman Qualification: B.A. (English)</p>
	<p>Name: Sh. Jaydip Mukherjee Designation: Finance and Accounts Officer Qualification: B.com</p>
	<p>Name: Smti. Rita Grace Designation: PA to Secretary Qualification: B.A.</p>
	<p>Name: Smti. Punam Rabha Designation: Staff Consultant Qualification: B.E. (Electrical), MBA (Power Mgt.)</p>
	<p>Name: Sh. Dibyanu Sengupta Designation: Staff Consultant Qualification: B.E. (Electrical), MBA (Power Mgt.)</p>
	<p>Name: Sh. Rahul Kumar Designation: Staff Consultant Qualification: B.E. (Mech.), MBA (Power Mgt.)</p>

	<p>Name: Smti. Karbi Ete          Designation: Legal Assistant          Qualification: B.A(GEO) , LL.B, LL.M, Pursuing Ph.D.</p>
	<p>Name: Miss Rumi Sinha          Designation: Accountant          Qualification: M.com in Finance and Accounts</p>
	<p>Name: Smti. Michi Rinni          Designation: Casual Staff          Qualification: B.A.</p>
	<p>Name: Smti. Yape Gadi          Designation: Casual Staff          Qualification: Class XII Pass</p>
	<p>Name: Sh. Himanshu kumar Jha          Designation: Multi-tasking</p>
	<p>Name: Sh. Nirmal Paul          Designation: Casual Staff</p>
	<p>Name: Sh. Makhan Biswas          Designation: Driver</p>



	Name: Sh. Prasanta Saikia Designation: Driver
	Name: Sh. Rajesh Kumar Ray Designation: Multi-tasking
	Name: Smti. Savitri Bhowmik Designation: Casual Staff
	Name: Smti. Rinku Bishwas Designation: Casual Staff
	Name: Miss Sangeeta Bishwas Designation: Casual Staff

### 3. ACTIVITIES OF THE COMMISSION

#### 3.1 Tariff Orders

During the Year, the Commission issued Two Tariff orders comprising of True-up of ARR for 2015-16, approval of ARR for 2017-18 and Order on Retail Tariff for 2017-18 for Department of Power - Government of Arunachal Pradesh.

And the Commission also issued Tariff Order for 2017-18 for Department of Hydro Power Development (DHPD) - Government of Arunachal Pradesh. Details are given in **Annexure I**.

#### 3.2 Others Petitions Filed

Received the application for Grant of Transmission Licence by M/s Devi Energies Pvt. Ltd. for the executing the following transmission systems;

- 1) 132 kV S/C Dikshi Switch Yard to Tenga Switching Station (10.5kM) and D/C Tenga Switching Station to Nechipu LILO connection (21.5kM)
- 2) 132 kV Tenga Switching station – 4 Nos of Bay (1 nos. Dikshi HEP incomer bay & 2nos. outgoing feeder bay and 1no. future Bay)

#### 3.3 Suo-Motu Petitions

##### 1) Suo-Motu Petition No. 1 of 2018

In the matter of Non-compliance of various provisions of Arunachal Pradesh Electricity Supply Code-2013 in regards to:

- a) Non-granting or delaying of providing permission to M/S Bharti Infratel Ltd. for self-execution works by themselves for getting HT electricity supply connection for their Telecommunication Towers in different places of Arunachal Pradesh ultimately leading to in-ordinate delay in getting the electricity supply connection; and
- b) Department of Power, Arunachal Pradesh (DOP) for not formulating Cost Data Book and getting it ratified from the Commission till date for preparation of estimates for the electricity consumers seeking new connections.

##### 2) Suo-Motu Petition No. 2 of 2018

In the Matter of Compliance of Renewable Purchase Obligation targets as specified under APSERC (Renewable Power Purchase Obligation And Its Compliance) Regulations 2012, APSERC (Renewable Power Purchase Obligation And Its Compliance) (First Amendment) Regulations 2016, and APSERC (Renewable Power Purchase Obligation and its Compliance) (Second Amendment) Regulations, 2016 notified by the Commission.

Both the petitions have since been disposed off by the Commission.

#### 3.4 Suggestions to MoP /CTU/CEA

The Commission suggested to CEA that 132kV International Transmission link between Tawang substation of Arunachal Pradesh, India and Kholongchu HEP in Bhutan may be planned with a view to strengthen 132kV grid of Arunachal Pradesh and improve reliability in the area.

### 3.5 Regulations

- 1) **During the Year 2017-18 following regulation was notified**
  - a) APERC (Appointment Of Consultants Regulations) -2017
  - b) APERC (Procedure, Terms & Condition for grant of Transmission Licence And Other Related Matters Regulation)- 2017
- 2) **Following Regulations were Amended**
  - a) APERC (Terms and Conditions for Tariff Determination from Renewable Energy Sources Regulation - 2012 (1st Amendment)) – 2017
  - b) APERC (Payment of Fees Regulation (1st Amendment)) - 2017
- 3) **Following Draft Regulations have been brought in public domain but have not been finalised in the year 2017-18 and will be finalised in the 2018-19**
  - a) APERC (Draft Terms & Conditions for Tariff Determination from Renewable Energy Sources Regulations) -2018
  - b) APERC (Draft Appointment of Consultants Regulations ) -2018

List of Regulations issued by the Commission till 31/03/2018 is attached at **Annexure II**.

### 3.6 Meetings with different Departments of State (DoP /DHPD/APEDA)

- 1) **Review meeting with Department of Power, Department of Hydro Power and APEDA**

As a follow up action to the 60<sup>th</sup> Forum of Regulators (FOR) meeting held at Central Electricity Regulatory Commission (CERC) on 23/06/2017, a meeting was convened by the Commissioner (Power) at the behest of the Chairman Arunachal Pradesh State Electricity Regulatory Commission



Training programme for DoPAP/DHPD/APEDA, at APERC conference room

(APSERC) on 14/07/2017 to have a review of the Power Sector of Arunachal Pradesh and also as a consultation process for preparing the state specific White Paper as sought by Hon'ble Minister of State (Independent charge) for Power, Coal, MNRE and Mines, Govt. of India during the above mentioned FOR meeting. The meeting was chaired by Shri R.P. Singh, Chairperson, APSERC.

**2) Second Review meeting on UDAY/IPDS/DDUGJY with all the CEs & SEs of Department of Power**

Second review meeting was conducted to monitor the progress of different Govt. of India schemes/ programmes like UDAY, IPDS, DDUGJY and other comprehensive transmission plans of the State power distribution & transmission sector along with follow up of first meeting, which was held on 10/11/2017 at APSERC, Itanagar. The meeting was chaired by Shri R.P. Singh, Chairperson, APSERC. Details of agenda/issues discussed are given in **Annexure III**.

**3) Review meeting with APEDA**

A review meeting was conducted with Director, APEDA (State Nodal Agency (SNA) for New & Renewable Energy) on 08/11/2017 with sole purpose of promoting 'Energy Conservation and Energy Efficiency' through PAT scheme (I & II). During the meeting various issues /agenda were discussed like-status of Implementation of PAT Scheme and details of designated consumers in Arunachal Pradesh-their targets, achievement/ compliance/issues etc.



Review Meeting with APEDA, at APSERC conference room

### **3.7 Scheduling, Accounting, Metering, and Settlement of Transaction in Electricity (SAMAST) Implementation**

The technical committee of FOR has brought out a report titled "Scheduling, Accounting, Metering, and Settlement of Transaction in Electricity" (SAMAST) which deals with upgradation of SLDC and interface



between state transmission utilities and distribution companies for proper metering and accounting intra-state transactions.

The Commission forwarded the SAMAST report to DoP for early implementation. This is understood that DPR for detailed implementation of project has sent to POSOCO for funding through PSDF.

### **3.8 Consumer Awareness Programmes**

As per the EA- 2003, the Commission is mandated to safeguard the interests of the state consumers and ensure that all consumers are provided with reliable, safe and quality power supply at reasonable rates. The EA-2003 also provides wide-ranging provisions to protect the interest of consumers. It gives electricity consumers a statutory right of minimum standards of supply and service. The Commission's approach to consumer protection has been proactive from the inception and in order to fulfill its legal obligation, the Commission has undertaken a number of steps to empower electricity to consumers. In the interest of the consumers who are yet to realize that their interests and expectations are well protected by the EA-2003 and relevant regulations, the Commission visited different Districts of Arunachal Pradesh and organized a series of interactions on "Electricity Consumers Awareness" at suitable public places in Arunachal Pradesh in association with the Department of Power Arunachal Pradesh (S.E./EE) and Deputy Commissioner of respective district.

The Commission contemplates to keep up the same tempo for another couple of years so that the consumers could gain the basic knowledge of power supply management and become aware of their Rights and Duties. Details of places visited and agenda/issues discussed are given in **Annexure IV**.

### **3.9 Constitution of State Advisory Committee**

Section 87 of EA-2003 states that

- 1) The State Commission may, by notification, establish with effect from such date as it may specify in such notification, a Committee to be known as the State Advisory Committee.
- 2) The State Advisory Committee shall consist of not more than twenty-one members to represent the interests of commerce, industry, transport, agriculture, labour, consumers, non-governmental organisations and academic and research bodies in the electricity sector.
- 3) The Chairperson of the State Commission shall be the ex-officio Chairperson of the State Advisory Committee and the Members of the State Commission and the Secretary to State Government in-charge of the ministry or department dealing with Consumer Affairs and Public Distribution System shall be the ex-officio Members of the Committee.

Accordingly the State Advisory Committee (SAC) was constituted vide notification No. APSERC/ NOTIFICATION/1/2011 Dated 17/08/2011 and its amendment from time to time (the Constitution of the State Advisory Committee) is given in **Annexure- V**.

Role of SAC and details of meeting held and agenda discussed are given in **Annexure- VI**.



6th SAC meeting, at APSERC conference room

### 3.10 Participation in the Meetings of FOR, FOIR, FORENS

#### 1) Forum of Regulators (FOR):

In order to coordinate the activities of CERC and SERCs, FOR has been constituted by the Government of India u/s 166 (2) of the Act 2003, which is responsible for harmonization, co-ordination and ensuring uniformity of approach amongst the SERCs across the country and to achieve greater regulatory certainty in the electricity sector. Details of Meetings held and attended by Chairperson are listed in **Annexure VII**.

#### 2) Forum of Indian Regulators (FOIR)

FOIR is a society registered under the Societies Registration Act, 1860 (Registration No.S.36509 dt. 04/02/2000) to promote transparency in the working of regulatory bodies, protect consumer interest and develop consumer advocacy organizations, develop human and institutional capacities in regulatory bodies, utilities and other stakeholders, research the efficiency and effectiveness of independent regulation, provide an information base on regulatory law and practice and regulatory economics, collaborate with academic and research institutions, professional bodies and NGOs in India and internationally in areas of interest to the society. Details of Meetings held and attended by Chairperson are listed in **Annexure VII**.

#### 3) The Forum of Regulators for Eastern and North Eastern States (FORENS)

The Forum of Regulators for Eastern and North Eastern States is a Society for the Eastern and North Eastern States Regulatory Commissions which is presently located in the Office of the Odisha Electricity Regulatory Commission (OERC) and the Chairperson of the OERC is the Chairperson of the Forum. It has been proposed that Chairperson of the forum is given to Chairperson of the Commission on rotational basis. Details of Meetings held and attended by Chairperson are listed in **Annexure VII**.



### 3.11 Regulatory Disputes

No Regulatory dispute was referred to the Commission during the year.

### 3.12 Consumer Grievance Redressal Forum (CGRF)

Recognizing the need for proper Redressal of consumers' grievances, the EA-2003, under section 42(5) requires distribution licensees to establish a forum for redressal of the consumer grievances. In addition it also provides for establishment of the office of the Ombudsman for representation, if any, against decision of the forum. This is additional avenue, besides CGRF.

The only distribution licensee, the Department of Power, operating in the state has established 7 no's of Consumer grievances redressal forums across the state vide order No. PWRS/E 2746/2015/1834-41, dated 25/04/15 (Details enclosed in **Annexure VIII**).

The Commission is monitoring working of such forums through quarterly reports submitted to it and review meetings. The Commission has felt need for better public awareness about these forum so that public at large can approach them for Redressal for their power related complain.

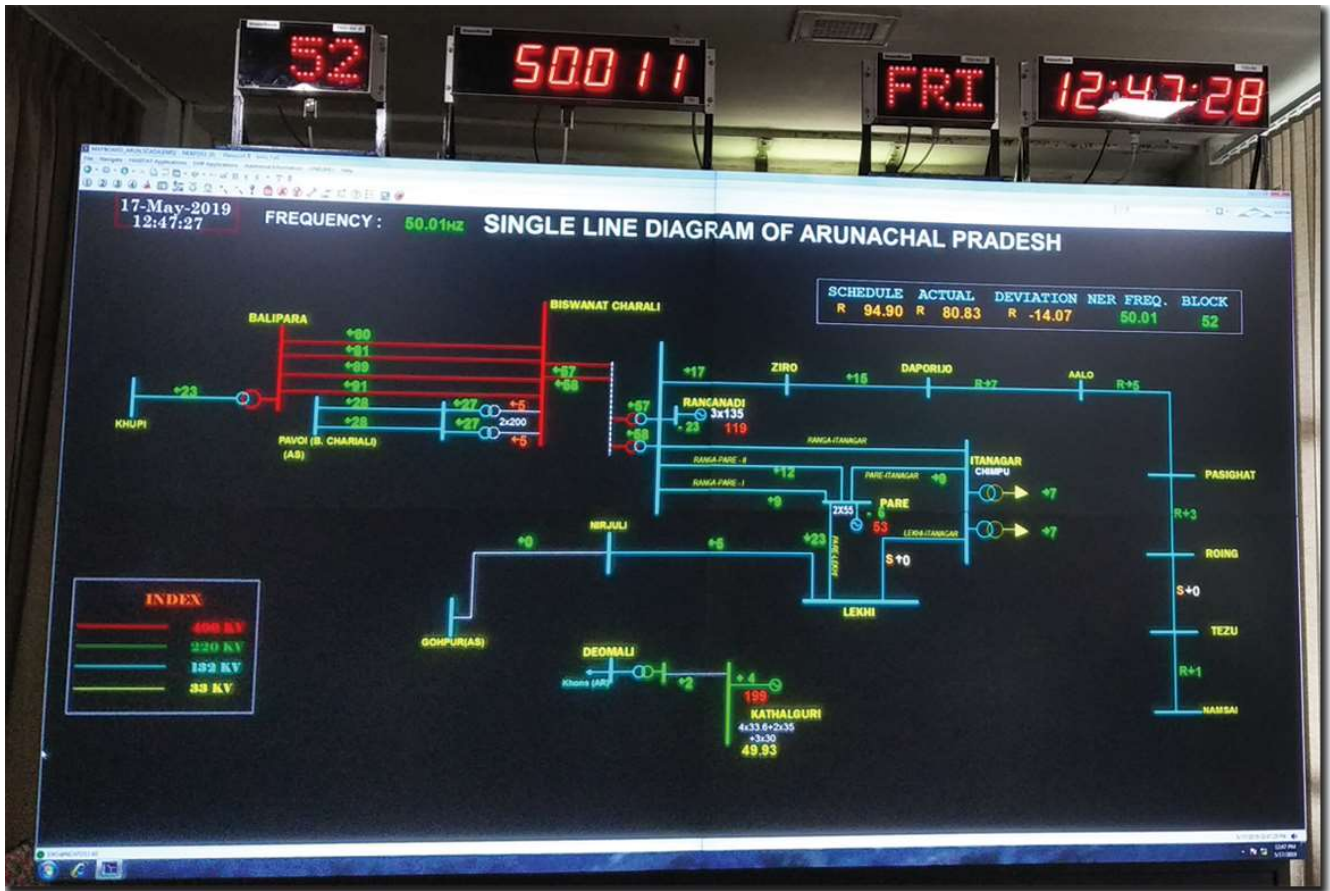
### 3.13 Electricity Ombudsman

The Commission in exercise to powers conferred on it, under Sub-section 6 of Section 42 of the EA- 2003 read with Clause 30(1) of the Arunachal Pradesh State Electricity Regulatory Commission Consumers Grievances Redressal Forum Regulations-2015, has designated an officer of APSERC to act as the Electricity Ombudsman Arunachal Pradesh for the purpose of the above mentioned Regulations.

### 3.14 Advisory to State Govt.

In terms of sub-section 2 of section 86 of EA-2003, the Commission sent following advisories to State Govt.

- 1) Presentation of white paper to Govt. of Arunachal Pradesh : The Commission presented the white paper to the State Govt. detailing the present status of the power sector in the state and steps needed to be taken to improve the situation.
- 2) Proposal for Unbundling of department of Power : In accordance with the provision of the EA-2003, State Govt. was advised to unbundle the Power Departments of State Govt. into distinct corporate units.
- 3) Creation of full-fledged SLDC and training of man power for SLDC : Load dispatching is specialised function and with the commissioning the more and more RE power units load dispatching will become more and more complicated. Further state needs to develop expertise in market operation. As such ring fencing of SLDC is a necessity.



SLDC of Arunachal Pradesh at Itanagar



1 MW Solar PV Power Plant, at Energy Awareness Park, Itanagar

## 4. AGENDA FOR 2018-19

Besides normal work of Commission the following additional works will be undertaken during 2018-19

- 1) Capacity Building Programme for Engineers of DoP/DHPD/APEDA as well as APSERC staff members - training by officials of CERC, POSOCO/NERLDC.
- 2) Implementation of Deviation Settlement Mechanism within state.
- 3) Conducting FORENS Meeting.
- 4) Coordinating with North Eastern Regional Power Committee.
- 5) Implementation of E-Court.
- 6) Ensuring ring fencing of SLDC & modernisation of SLDC.
- 7) RE Integration (New Regulation as suggested by Technical Committee of FOR).
- 8) CGRF (to improve the effectiveness of CGRF).
- 9) Monitoring of Implementation of SAMAST.
- 10) SLDC Modernization (Capacity Building of Indian Load Dispatch Centres (CABIL)).
- 11) Establishment of Power Quality Standards.
- 12) Updating of Regulation – like MYT, Supply Code, Grid Code etc.
- 13) Proposal for formation of commercial department – for sale and purchase of power.
- 14) Constitution of State Coordination Forum as per section 166 (4) of EA-2003.
- 15) Constitution of District Electricity Committee as per section 166 (5) of EA-2003.



3x135 Mw Ranganadi HEP, Yazali, A.P.

## 5. ANNUAL STATEMENTS OF ACCOUNTS

### Accounts of the Commission

The Commission have prepared yearly financial statement duly following all relevant commercial accounting policies systems and standards, APSERC fund rule approved by Government of Arunachal Pradesh.

The Commission prepared the financial statements in accordance with the Section 104(1) of the EA-2003. The account for year 2017-18 have been finalised during 2018-19, which includes the following:

- a) Receipts and Payment Accounts for the year ended 31/03/2018
- b) Income and Expenditure Accounts for the year ended 31/03/2018
- c) Balance sheet as on 31/03/2018

The annual account for year 2017-18, audited by AG has been placed at **Annexure-IX**

### Salient features are as below:-

#### 1) Grants-in-Aid:

The Arunachal Pradesh State Electricity Regulatory Commission is funded by budgetary provision of the State Government by way of Grant-in-Aid. During the year, 2017-18 Commission has received Rs 2.62 crore from Government of Arunachal Pradesh.

#### 2) Capital Expenditure:

The Commission had shifted its Office from Naharlagun to Itanagar, during this year. For this reason the Commission had to incur Capital Expenditure of Rs. 93.22 lakh on account of Furniture & Fixture, Electrical Installation & Equipment etc..

#### 3) Collection of Annual fees from licensees:

During the year, 2017-18 Commission received total fee Rs 19.00 lakh on account of tariff petition filling fee and application fee for transmission license.

#### 4) Utilization of Fund:

The Grant-in-Aid received from the State Government is utilized mainly for salary and wages, various administrative expenses and occasionally for acquiring fixed asset.

## 6. HUMAN RESOURCES OF THE COMMISSION

Details of sanctioned Posts and in position is as follows:

Sl. No.	Name & Nos. of the Post	Sanctioned Strength	In Place	vacancies
1	Secretary	1	1	0
2	Joint Director	1	0	1
3	Deputy Director	3	0	3
4	F & AO	1	1	0
5	Private Secretary	1	1	0
6	Personal Assistant	1	1	0
7	Assistant	1	0	1
8	UDC	2	0	2
9	LDC	2	0	2
10	Driver	2	1	1
11	Peon/Chowkidar	2	0	2
<b>TOTAL</b>		<b>17</b>	<b>5</b>	<b>12</b>

As seen from the above there are total vacancies of 12 Nos.

### Officers joined on Deputation term during the year 2017-18 in APERC

Sl. No.	Name of Post	No. of Posts Filled
1.	Finance & Accounts Officer	1
<b>Total</b>		<b>1</b>



APERC Staff Members

## 7. ELECTRICITY SECTOR OF ARUNACHAL PRADESH IN RETROSPECT

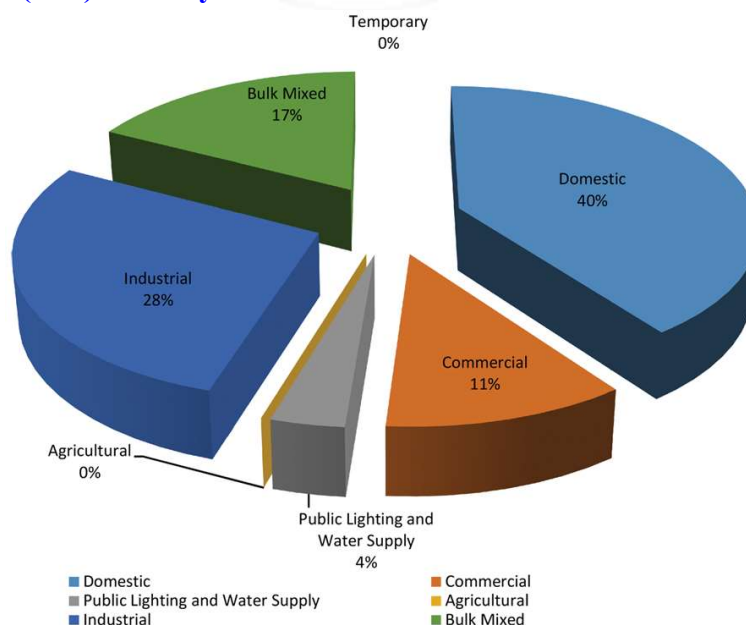
### 7.1 Category wise No. of Consumers

Sl. No.	Category of consumers	2015-16	2016-17	2017-18
1	Domestic	194096	188597	198027
2	Commercial	22499	22957	24105
3	Public Lighting & Water Supply	1703	1637	1718
4	Agricultural	16	17	0
5	Industrial	314	283	297
6	Bulk Mixed	153	162	170
7	Temporary	116	96	101
	<b>Total</b>	<b>218897</b>	<b>213749</b>	<b>224418</b>

### 7.2 Category wise Energy Consumption

Sl.No.	Category of consumers	2015-16 (MU)	2016-17 (MU)	2017-18 (MU)
1	Domestic	138.59	147.95	155.21
2	Commercial	39	44.47	46.7
3	Public Lighting Water Supply	11.89	10.93	11.48
4	Agricultural	0.02	0.03	0.03
5	Industrial	97.03	106.34	111.66
6	Bulk Mixed	60.14	60.86	63.9
7	Temporary	0.02	0.22	0.23
	<b>Total</b>	<b>346.69</b>	<b>370.80</b>	<b>389.21</b>

### 7.3 Energy Sales (MU) for the year 2017-18



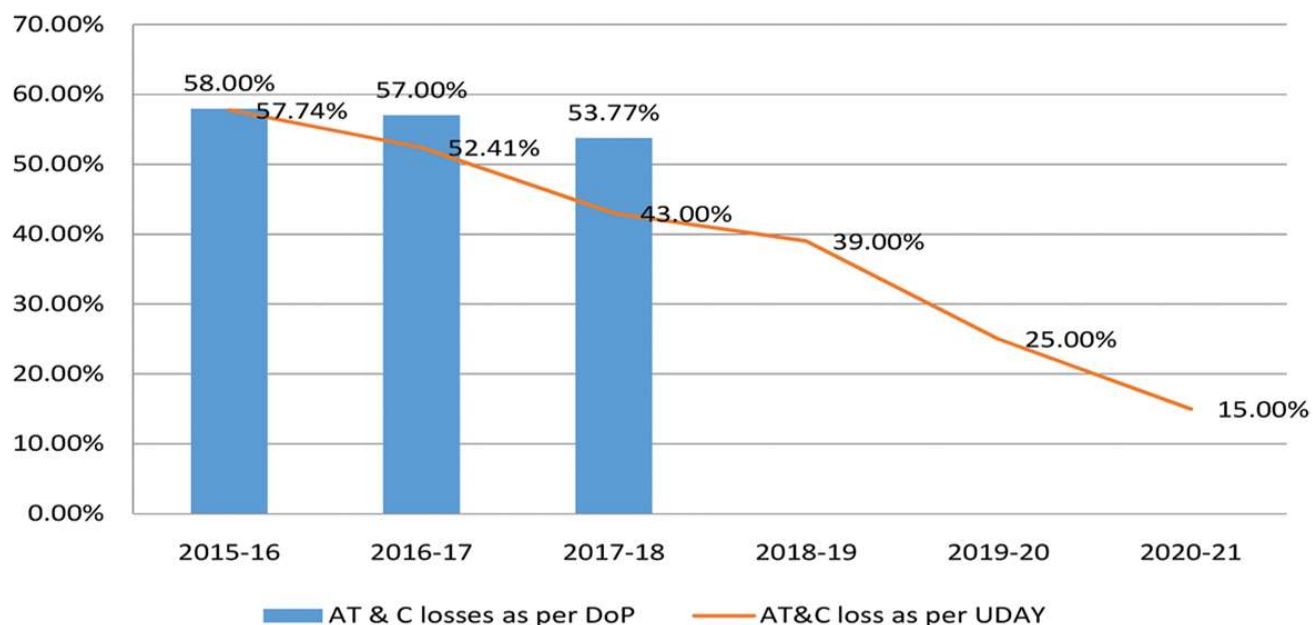


## 7.4 Category wise Consumers and Energy Sale

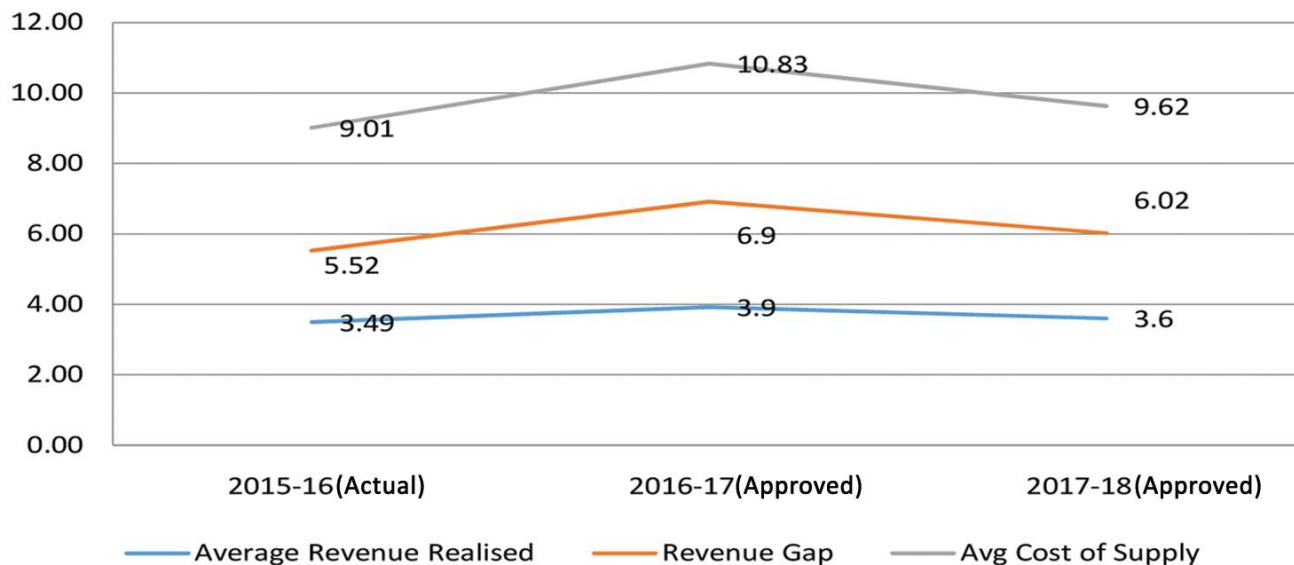
Sl. No.	Category of Consumer	2015-16		2016-17		2017-18	
		No. of Consumer	Energy Sale (MU)	No. of Consumer	Energy Sale (MU)	No. of Consumer	Energy Sale (MU)
<b>1</b>	<b>Non Commercial Consumers (Domestic)</b>						
	<b>LT</b>						
a)	1-Phase, 230 V	137716	97.86	138765	106.76	145703	112.10
b)	3-Phase, 400 V	2258	17.26	2192	18.25	2302	19.16
	<b>HT</b>						
c)	3-Phase, 11 kV	34	1.67	49	3.43	51	3.60
d)	3-Phase, 33 kV				0.13		
e)	KJP & BPL Connection	54088	21.8	47591	19.38	49971	20.35
<b>2</b>	<b>Commercial Consumers (Non-Industrial)</b>						
	<b>LT</b>						
a)	1-Phase, 230 V	20889	19.6	21206	21.85	22266	22.94
b)	3-Phase, 400 V	1500	14.91	1606	16.76	1686	17.60
	<b>HT</b>						
c)	3-Phase, 11 kV	95	4.18	130	5.51	137	5.79
d)	3-Phase, 33 kV	15	0.31	15	0.35	16	0.37
<b>3</b>	<b>Public Lighting and Water Supply Consumers</b>						
	<b>LT</b>						
a)	1-Phase, 230 V	1506	4.95	1426	4.51	1497	4.74
b)	3-Phase, 400 V	170	2.34	180	2.34	189	2.46
	<b>HT</b>						
c)	3-Phase, 11 kV	23	4.39	27	3.87	28	4.06
d)	3-Phase, 33 kV	4	0.21	4	0.21	4	0.22
<b>4</b>	<b>Agricultural Consumers</b>						
	<b>LT</b>						
a)	1-Phase, 230 V	2	0.01	3	0.02	0	0.02
b)	3-Phase, 400 V	14	0.01	14	0.01	0	0.01
<b>5</b>	<b>Industrial Consumers</b>						
	<b>LT</b>						
a)	1-Phase, 230 V	82	0.49	77	0.64	81	0.67
b)	3-Phase, 400 V	187	2.85	167	3.71	175	3.90
	<b>HT</b>						
c)	3-Phase, 11 kV	24	1.48	22	2.6	23	2.73
d)	3-Phase, 33 kV	18	16.74	14	21.46	15	22.53
e)	3-Phase, 132 kV	3	75.46	3	77.93	3	81.83

<b>6</b>	<b>Bulk Mixed Consumers</b>						
	3-Phase, 11 kV	135	18.22	141	19.2	148	20.16
	3-Phase, 33 kV	17	5.36	20	6.87	21	7.21
	3-Phase, 132 kV	1	36.56	1	34.79	1	36.53
<b>7</b>	<b>Temporary Consumer</b>						
<b>LT/HT</b>		116	0.2	96	0.22	101	0.23
<b>Grand Total</b>		<b>218897</b>	<b>346.69</b>	<b>213749</b>	<b>370.80</b>	<b>224418</b>	<b>389.21</b>

### 7.5 AT&C loss Projection (%)



### 7.6 Trend for Average Cost of Supply, Average Revenue & Gap (Rs/unit)





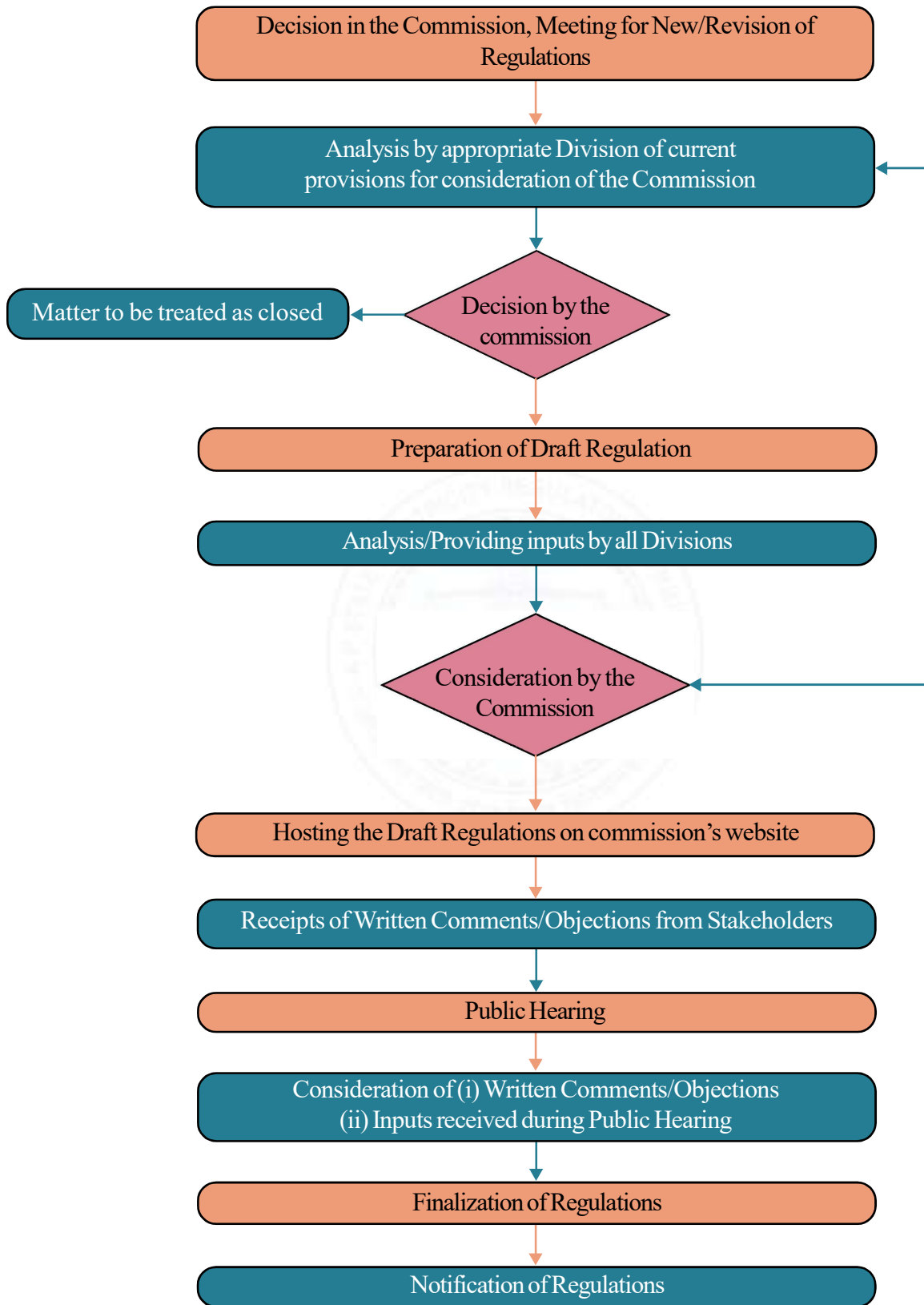
## **8. REGULATORY PROCEDURES**

### **8.1 Procedures for Regulations**

Initially, a staff paper is prepared and with due approval of the Commission, is hosted on Commission's website ([www.apserc.nic.in](http://www.apserc.nic.in)) for inviting comments/suggestions from all the stakeholders/public on the subject matter. Generally, public hearing session(s) are also held by the Commission, thereby giving ample of opportunity to the stakeholders to express their opinions. After considering the provisions of relevant sections of the EA-2003, draft regulations and the comments/suggestions received from public/stakeholders regulations are finalized and approved by the Commission, after which the regulations are notified in the Gazette.



**FLOW CHART 1 - Procedures for Regulations**





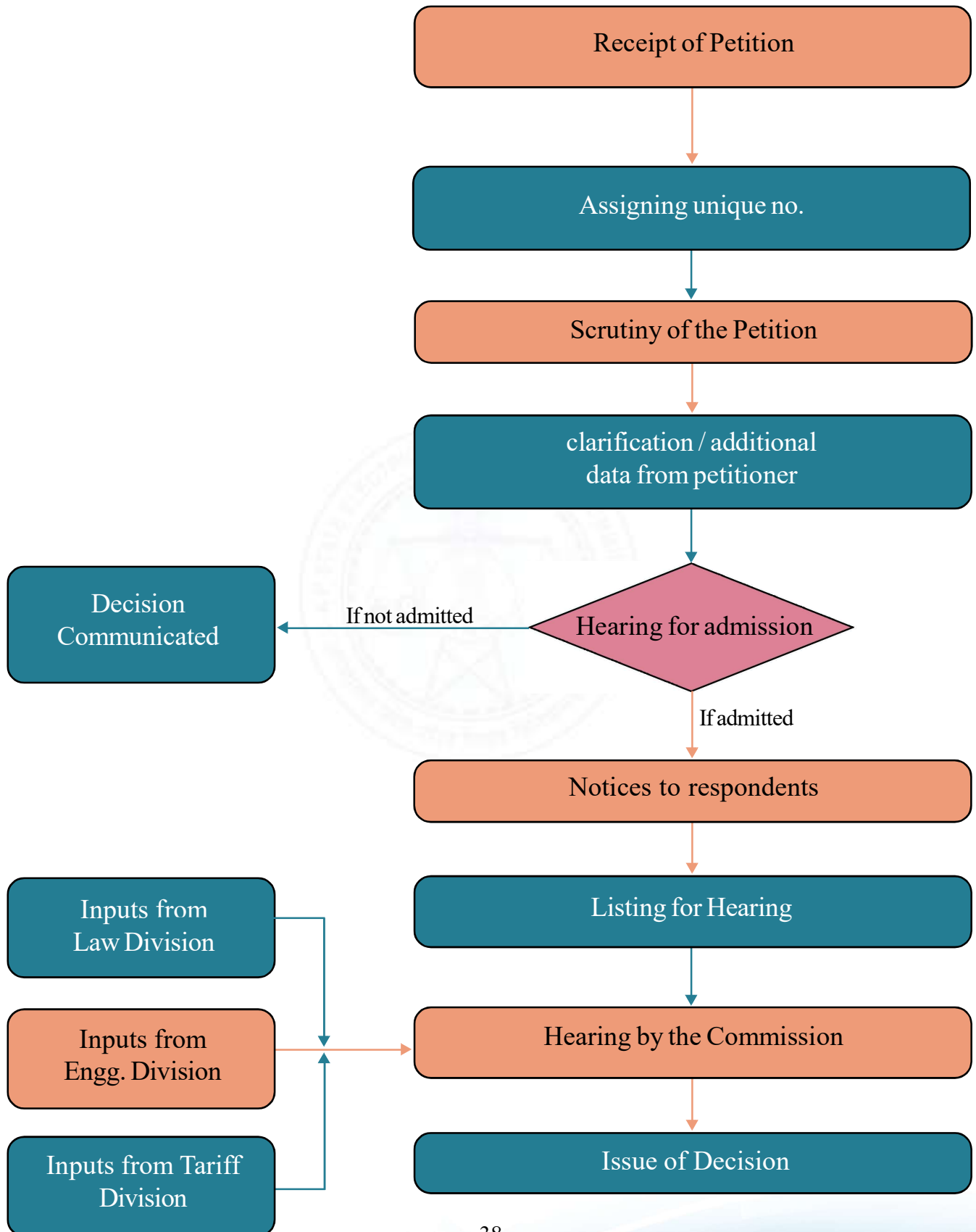
## **8.2 Procedure for Orders on Petitions**

As per provisions contained under Section 142 of the EA-2003, non-compliance of orders of Arunachal Pradesh would invite action as per details given below:

“In case, any complaint is filed before the Appropriate Commission by any person or if that Commission is satisfied that any person has contravened any provisions of this Act or the rules or regulations made thereunder, or any direction issued by the Commission, the appropriate Commission may after giving such person an opportunity of being heard in the matter, by order in writing, direct that, without prejudice to any other penalty to which he may be liable under this Act, such person shall pay, by way of penalty, continuing failure with an additional penalty which may extend to six thousand rupees for every day during which the failure continues after contravention of the first such direction”

As per the above provisions, petition received in the Commission is provided with a unique diary number. Upon admission, comments from concerned respondents are invited. Thereafter, the case is heard by the Commission. Upon conclusion of hearing the matter, order of the Commission is issued.

**FLOW CHART 2 - Procedure for Orders on Petitions**





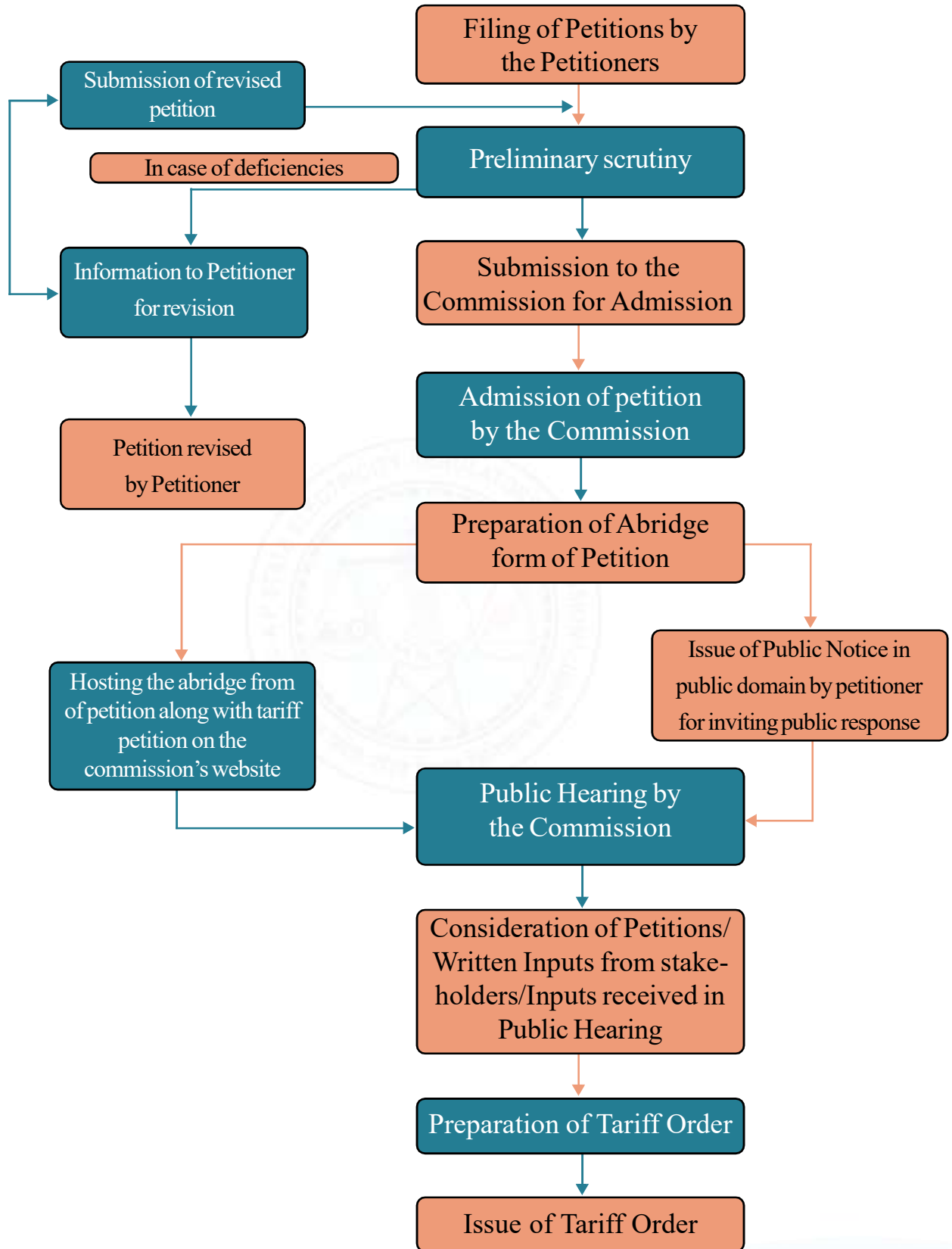
### **8.3 Process and Principles of Tariff Determination**

Among various functions assigned to the Commission, one of the important functions is to determine the tariff for generation, transmission, supply and wheeling of electricity wholesale, bulk or retail, as the case may be, within the State. In accordance with the provisions of EA-2003, Application/Petition for determination of tariff is filled by a generating company/transmission licensee/distribution licensee in such a manner and accompanied by such fee, as determined by Regulations.

After admission of the petitions, staff papers which analyse the proposals contained in these petitions are prepared and are hosted along with petitions on Commissions' website ([www.apserc.nic.in](http://www.apserc.nic.in)) for information of all stakeholders. Simultaneously, comments are sought from public/various stakeholders on various tariff issues for which a Public Notice is issued in the leading newspapers. The Commission hold "Public Hearing" to consider the suggestions/inputs received from stakeholders, thereby giving adequate opportunity to all stakeholders to express their views on the matters pertaining to tariff determination.

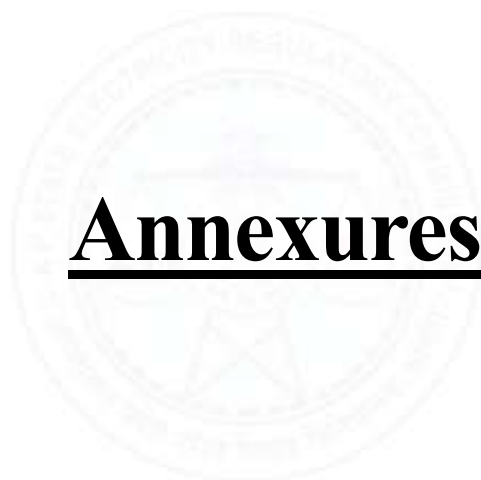
During the Public Hearing, besides the issues raised by the stakeholders, issues related to tariff determination including power procurement, consumer categories, AT&C loss levels, expenditure incurred by Department of Power etc. are discussed. The inputs, received during these public hearings are duly recorded and considered by the Commission appropriately. The Commission, after considering the petitions submitted by the Department of Power, information already available with it, the suggestions/inputs from stakeholders and prudence check on information furnished, issues the order for determination of the tariff.

**FLOW CHART 3 - Procedure for Orders on Tariff Petitions**





Hon'ble Chairperson Shri R.P. Singh, Hosting the National Flag on the Occasion Independence Day Celebration



# **Annexures**



**Annexure - I : Decisions on Tariff Petitions**

Sl.No.	Name of Utility/ Filling Date/ Date of Registration & Case no.		
<b>1.</b>	<b>Department of Power (DoP) ,GoAP, 18/01/2017, 30/03/2017 &amp; TP 1 of 2017</b>		
	ARR approved by the Commission for the year 2017-18 and other decisions of the Commission		
	Sl. No.	Particulars	Approved by Commission (Rs Crs)
	1.	Cost of power Purchase	196.63
	2.	Fuel cost	0.875
	3.	Employee cost	197.15
	4.	R &M expenses	25.5
	5.	Administration and general expenses	1.15
	6.	Depreciation	0
	7.	Interest on Working Capital	0
	8.	Interest charges (including interest on working capital)	0
	9.	Return on NFA /Equity	0
	10.	Provision for Bad Debit	0
	11.	Renewable energy (solar) purchase obligation	2.76
	12.	Annual license fee for 2017-18	0.05
	13.	Safety Harness & Skill/Training	0.75
	14.	Total Revenue requirement	423.50
	15.	Less: non-tariff income	3.57
	16.	Net revenue requirement	421.30
	17.	Revenue from existing tariff	142.88
	18.	Revenue from Energy Exchange	14.83
	19.	Revenue from Deviation Export	0.00
	20.	Total Annual Income	157.71
	21.	Total Gap	263.59
	22.	Regulatory asset	0
	23.	Energy Sales (MU)	438.04
	24.	Average Cost of Supply (Rs/ kWh)	9.62



## True up for the year 2015-16

Sl. No	Description	Unit	Approved in the Tariff Order for 2015-16	Actuals as per Petitioner's Submission	Now Approved (Trued Up)
1.	Energy Sales within the State	MU	331.07	346.90	346.90
2.	T&D Loss	%	43	52.82	43
3.	Total Energy Requirement	MU	695.22	816.01	750.16
4.	Total Power Purchase	MU	694.83	815.69	688.40
5.	Cost of Power Purchase	RsCrs	188.91	213.31	180.74
6.	Fuel cost	Rs. Crs	1.26	4.5	1.26
7.	Total Revenue Requirement	Rs Crs	437.63	424.16	388.35
8.	Revenue realized from tariff	Rs. Crs	132.65	131	131
9.	Revenue Gap	Rs Crs	281.01	271.80	235.99
10.	Average Cost of Supply	(Rs/kWH)	10.80	9.85	9.01
<b>Directives</b>					
1.	<p><b>Annual Accounts</b></p> <p>APDOP was directed to prepare annual accounts, Annual Profit and Loss Account and Balance Sheet at the CE's office level and get it audited by C&amp;AG regularly on annual basis. In line with the notification of the MYT Regulations-2013 by APSERC, the preparation of Annual Accounts at the level of the Head of Dept. is mandatory.</p>				
2.	<p><b>Management Information System (MIS)</b></p> <p>The Commission directed APDOP to maintain data for category wise voltage-wise connected load and sales in the format given to them as per APSERC regulation.</p>				
3.	<p><b>Fixed Assets Register</b></p> <p>It was directed that APDOP shall build up the fixed asset registers separately for Diesel Generation, Transmission and Distribution. Existing assets as on 31/03/2013 and new assets being added with new investments are to be entered in this register with quantities and costs.</p>				
4.	<p><b>Conducting Energy Audit</b></p> <p>It was directed that APDOP should conduct energy audit immediately and assess the losses accurately in the distribution system. The DOP was directed to compile the above information as on 31/03/2017 and submit it to the Commission by 30/10/2017.</p>				

5.	<b>Connected Load Details Consumer</b> DOP was directed repeatedly and regularly in every Tariff Order to furnish the connected load details consumer category wise/voltage wise.
6.	<b>Segregation of T&amp;D and AT&amp;C losses</b> DOP was requested to furnish voltage wise sales, losses, and power procurement data as per sheet format of which is already provided to APDOP, and to segregate T&D losses from AT&C losses for further analysis.
7.	<b>Un-metered Connections</b> DOP had to furnish the data for Unmetered Connections as per the Format of APSERC Tariff Regulation, 2011. In this connection, DOP was requested to furnish data for un-metered energy consumed category wise to further analyse.
8.	<b>UI not allowed for Power Procurement</b> Keeping provision of UI for power purchase is not a fair practice and hence not encouraged. APDOP can make a strategic plan to purchase the required units via smart procurement channels i.e. Power Exchange, Trading, Power Banking etc.
9.	<b>Creation of Regulatory Cell</b> APDOP shall create/ constitute a Tariff Regulatory Cell (under an senior officer not below the rank of SE) from the existing staff strength. The Cell so created shall be provided with necessary authority and resources so as to look after all the tariff and regulatory matters primarily to act on the directives of the Commission.
10.	<b>Compiling of Accounts at CE's Office Level</b> The APDOP was directed to compile and create all necessary data base and adopt required procedures of compiling Annual Accounts at CE's office level.
11.	<b>100% Metering</b> DOP was directed that No connection shall be given to any category of consumer without a correct automatic meter. Defective meters, if any, in the consumer premises shall be identified and replaced on top priority with correct automatic meter.
12.	<b>Replacement of Electromagnetic Meters with Automatic Meters</b> DOP was directed that all defective meters are to be replaced with automatic meters to record the consumption correctly. A report on the status of metering, type of meters provided in HT, Bulk and others high value LT installations, was need to be submitted to the Commission.
13.	<b>Payment of Power Purchase Cost to DHPD by Petitioner</b> The APDOP was directed in the Commission's Tariff Order for 2013-14 to make payment to the Deptt. of Hydro Power Development (DHPD) for the power (in kWh) received by it w.e.f 2013-14 onwards from them at the rate determined by the Commission from time to time and report compliance to the Commission.
14.	<b>Reforms and Restructuring of DOP in Arunachal Pradesh</b> Department of Power was directed to take urgent steps for complete restructuring of the power sector in the State.



15.	<b>Introduction of Slab Based Tariff</b> Commission in its tariff order 2013-14 directed APDOP for the Introduction of Slab based Tariff. During the last SAC Meeting held on 18/03/2015, it was decided that w.e.f 2016-17 slab based tariff shall be introduced and the APDOP shall propose the same in its tariff petition of 2016-17.
16.	<b>Procurement of Power during Lean Hydro Season</b> The APDOP was directed to explore the possibility of drawing short term and medium term power purchase agreements during Lean Hydro season to avoid Power cuts by- 1. Banking summer/ monsoon surpluses with neighbouring States/Utilities. 2. Power swap arrangements under banking i.e. disposing off power in the surplus slots to neighbouring State/Utilities and thereafter taking back during the deficit slots of the same day. 3. Purchasing need based power at the platform of Energy Exchanges.
17.	<b>Renewable Power Purchase Obligation (Solar RPO)</b> As intimated by the APDOP vide their letter no. CE(P)/WEZ/SLDC/Tariff/Part-I/2013-14/148 Dtd. 02/03/2013, they will either procure the quantity of solar power on account for 2012-13 in 2013-14 or will purchase equivalent solar REC. The APDOP is also required to Comply the Solar RPO for the years 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18.
18.	<b>Accounting of Solar Energy</b> APDOP was directed to account for the solar energy received by it from the solar installations of the APEDA with mutual consultation.
19.	<b>Filing of ARR and Tariff Petition</b> APDOP has to build up required data as directed in above directives and file the ARR and Tariff Petition timely in complete shape i.e by November for each FY as per MYT Regulations, 2013 of the Commission.
20.	<b>Payment of Annual License Fees</b> APDOP was directed to pay the Annual License Fee for the years 2011-12, 2012-13, 2013-14, 2014-15, 2015-16, 2016-17 as per the APSERC fees Regulation for the following entities separately before November of each year: i) Transmission License (Deemed) ii) Distribution License (Deemed)
21.	<b>Repairs and Maintenance (R&amp;M)</b> APDOP should ensure the reduction of expenses and achieve sustainable levels compared with the value of the network in operation.
22.	<b>Collection of Security Deposit</b> The APDOP was directed to provide the data as provided below in (a), (b) and (c) for the years 2014-15, 2015-16, 2016-17 and 2017-18 to the Commission including the nos. of consumers covered in this exercise (a) Payment of additional deposit

		(b) Adjustment of excess or deficit deposit (c) Payment of interest on security deposit as per the Arunachal Pradesh Electricity Supply Code-2013 and its amendment notified by the Commission at the SBI's Base Rate.		
	<b>23.</b>	<b>Bad and Doubtful Debts</b> The APDOP shall make an analysis of the existing debts and segregate the un-realizable debts.		
	<b>24.</b>	<b>Consumer Grievance Redressal Forum (CGRF)</b> APDOP was directed to constitute CGRF in accordance to the Commission's "Redressal of Grievances & Ombudsman Regulation-2015".		
<b>2.</b>		<b>Department of Hydro Power Development (DHPD), GoAP, 17/04/2017, 18/04/2017 &amp; TP 2 of 2017</b>		
		ARR approved by the Commission for the year 2017-18 and other decisions of the Commission		
		<b>(a) Annual Fixed Charges</b>		
	<b>Sl.No.</b>	<b>Particulars</b>	<b>Amount for 2015-16 (Rs Crs)</b>	<b>Amount for 2017-18 (Rs Crs)</b>
	1.	Interest on Loan	0	0.00
	2.	Depreciation	0	10.58
	3.	Return on Equity	28.33	35.15
	4.	O&M Expenses	17.33	20.92
	5.	Interest on Working Capital	1.63	1.60
	6.	Total Annual Fixed Charges (AFC) Total Sl. 1 to Sl. 5 as analysed by the Commission	47.29	68.247
	7.	Fee for Tariff Petition Filing	0.05	0.05
	8.	Total Amount Approved	47.34	68.29



<b>(b) Hydro Power considered for sale</b>			
<b>Sl.No.</b>	<b>Particulars</b>	<b>2015-16</b>	<b>2017-18</b>
1.	Annual Fixed Charges (Rs. in Crs.)	47.34	68.29
2.	Installed Capacity (MW)	62.015	68.52
3.	Design Energy (MU)	516.09	570.18
4.	CUF Considered (%)	37.64%	45%
5.	Gross Energy (MU)	194.26	256.58
6.	Auxiliary Power Consumption (%)	1.00%	1.00%
7.	Auxiliary Consumption (MU)	1.94	2.57
8.	Saleable Energy (MU)	192.32	254.02
9.	Tariff (Rs/kwh)	2.46	2.69
<b>Directives</b>			
1.	<b>Electricity Regulatory Cell:</b> APDHPD shall create an Electricity Regulatory Cell (under a senior officer) from the existing staff strength.		
2.	<b>Generation:</b> DHPD has generated and supplied only 58.65 MU during 2015-16 against saleable energy of 192.32 MU, which is just 30%. It indicates that the Performance is poor. DHPD shall take necessary steps to improve the performance of the stations and generate additional power.		
3.	<b>Design Energy and the Generation by DHPD Data Discrepancy:</b> The Commission observed that there is a huge discrepancy in maintaining the power plant data. DHPD has furnished total design energy including all 116 power plants as 570.18 MU and the corresponding Generation data projected as 59.41 MU. This gives a picture that Generation is around 10% of the design energy which is a too low value and can't be considered.		
4.	<b>Preparation of Yardstick of O&amp;M Staff:</b> The Deptt. is directed to prepare a yardstick for deployment of O&M staff in its hydro stations of different capacities and get it approved. The existing staff should be redeployed as per the yardstick enabling optimum utilization of the existing staff strength.		
5.	<b>Accounting of O&amp;M Expenses:</b> The Deptt. is directed to maintain project wise accounting of expenses in respect of the following: a) Expenses on salary and wages of the staff working in that generating station. b) Expenses incurred on repair & maintenance of that generating station. c) Any other general expenses incurred on the staff of that generating station.		
6.	Reassessment of the value of the existing assets of DHPD.		
7.	<b>Hydro Power Stations with "Nil" Power Generation:</b> It is noticed from the data provided that there are certain power stations with nil generation that are ranging from small rating to big rating units. Reasons are not indicated.		
8.	Training and skill development of the employees of the DHPD.		
9.	Scheduling of generation from the Deptt.'s Hydro Stations.		
10.	Raising of bills to Deptt. of Power.		

**Annexure - II : List of Regulation**

Sl. No	Notification No.	Regulation Title	With Effect From
1.	APSERC/NOTIFICATION/1/2011	State Advisory Committee (SAC) Notification - 2011	30/08/2011
2.	APSERC/NOTIFICATION/2/2011	Conduct of Business Regulations - 2011	09/11/2011
3.	APSERC/NOTIFICATION/3/2011	Redressal of Grievances and Ombudsman Regulations - 2011	09/11/2011
4.	APSERC/NOTIFICATION/4/2011	Fee Regulations - 2011	09/11/2011
5.	APSERC/NOTIFICATION/5/2011	Grant of Intra State Trading Licence Regulations - 2011	07/12/2011
6.	APSERC/NOTIFICATION/6/2011	Terms and Conditions for Determining of Tariff and Formats for Tariff Filing Regulations - 2011	26/12/2011
7.	APSERC/NOTIFICATION/7/2012	Terms and Conditions for Tariff Determination From Renewable Energy Sources Regulations - 2012 (REPEALED)	09/04/2012
8.	APSERC/NOTIFICATION/8/2012	Renewable Power Purchase Obligation and Its Compliance Regulations - 2012	11/04/2012
9.	APSERC/NOTIFICATION/9/2012	Redressal of Grievances & Ombudsman Regulation (1st Amendment) - 2012	24/05/2012
10.	APSERC/NOTIFICATION/10/2012	State Grid Code Regulations - 2012 (REPEALED)	21/11/2012
11.	APSERC/NOTIFICATION/11/2012	Terms & Conditions for Intra State Open Access Regulations - 2012	21/11/2012
12.	APSERC/NOTIFICATION/12/2013	Arunachal Pradesh Electricity Supply Code - 2013	12/04/2013
13.	APSERC/NOTIFICATION/13/2013	Reconstitution of the State Advisory Committee	27/08/2013
14.	APSERC/NOTIFICATION/14/2013	Multi Year Tariff Regulations - 2013	18/10/2013
15.	APSERC/NOTIFICATION/16/2015	Service Conditions of Staff Regulations - 2015	14/10/2015
16.	APSERC/NOTIFICATION/17/2015	Consumer Grievances Redressal Forum and Ombudsman Regulations, 2015	14/10/2015
17.	APSERC/NOTIFICATION/18/2016	Standards of Performance for the Distribution Licensee Regulations - 2016	28/01/2016
18.	APSERC/NOTIFICATION/19/2016	Renewable Power Purchase Obligation and Its Compliance Regulation (1st Amendment) 2016	25/02/2016
19.	APSERC/NOTIFICATION/20/2016	Renewable Power Purchase Obligation and Its Compliance Regulation (2nd Amendment) 2016	05/10/2016
20.	APSERC/NOTIFICATION/21/2016	Rooftop Solar Grid Interactive Systems Based on Net Metering	07/12/2016
21.	APSERC/NOTIFICATION/22/2017	Appointment of Consultants Regulations -2017	14/02/2017
22.	APSERC/NOTIFICATION/23/2017	Terms and Conditions for Tariff Determination from Renewable Energy Sources Regulation - 2012 (1st Amendment) 2017 (REPEALED)	31/03/2017
23.	APSERC/NOTIFICATION/24/2017	Payment of Fees (1st Amendment) 2017	31/03/2017
24.	APSERC/NOTIFICATION/25/2017	Procedure, Terms & Conditions for Grant of Transmission Licence and other related Matters Regulation, 2017	21/08/2017



### **Annexure - III : Agenda for second Review Meeting on UDAY/IPDS/DDUGJY**

The main issue for the Distribution Wing of Power Deptt. in A.P. is the high distribution and AT&C Losses due to lack of consumer metering and proper energy accounting. Hence, respective field S.Es may prepare their PPTs covering the following points division wise for their respective jurisdictions.

1. Nos. of consumers whose bills are prepared as per meter reading (category wise) and nos. whose bills prepared on average basis and flat rate basis (category wise).
2. Circle wise monthly targets fixed for achieving the 100 % metering of following:
  - a) Consumers' Metering (All categories together except Industrial & Bulk).
  - b) Industrial Consumers (HT & LT consumers separately).
  - c) Bulk consumers.
  - d) Metering of DTs, 33 kV & 11 kV feeders
3. Implementation plan for the above categories separately.
  - a) Quantities required for 100% metering (Urban & Rural separately).
  - b) Quantity ordered (scheme wise and year wise).
  - c) Plan of procurement of the balance meters (in case of shortfall between (a) & (b)).
  - d) Quantity received till now and arrival plan of balance quantity.
  - e) Quantity installed up to 31/8/2017.
4. Total Budget required to achieve 100% metering.
5. Whether the required fund arranged. If not, balance fund required and the plan to arrange the balance fund.
6. If the balance fund for Sl. No. 5 is not arranged what would be the impact on achieving the targets in nos. in respect of Sl. No. of 2 above item wise.
7. Reduction in Distribution and AT&C Losses after installation of meters till date.
8. Have the implementing divisions started to do energy accounting in respect of the areas whose DT and/or Feeder Metering have been completed, Names of such Divisions.
9. Has any plan for making the implementing officers accountable in quantifiable terms at each level developed by the CEs for their respective jurisdictions and how is it being monitored and implemented by them. (Presentation by Nodal CE/CEs. on this point).
10. Status of Automation of Billing Division wise.
11. Status of implementation of Smart Meters as per UDAY. Whether consumers identified and process of procurement of Smart Meters initiated/completed. Whether any plan to convert the existing Digital and Static Meters to Smart Meters.
12. Status of Rural Electrification and Rural House Hold Electrification (Presentation by Sh. G. Lingi Nodal Officer).

13. Action taken on ERP (Enterprise Resource Planning) - whether the features to be integrated to the proposed systems have been identified by the Deptt. or not, if any consultant has been engaged and if so what are the points of reference for him and various time lines. Whether any plan to convert the existing Digital and Static Meters to Smart Meters (presentation by Nodal CE/CEs. on this point).
14. Exact status of provisions, achievement and the dates of completion of the assigned works along with the comparison of the improvement in the billing & collection efficiency and reduction in the AT & C losses in respect of the 9 IPDS towns (presentation by respective EEs implementing IPDS in those towns).
15. In addition to this, action taken on the issues discussed during the 1st Review meeting held on 14th July 2017, as per the Minutes of the meeting circulated vide no. APSERC/RA-21/II/2017-18/532-54 dated 30/08/2017 shall also be reviewed.

#### **Agenda Points for Chief Engineer Transmission-Review Meeting on 10/11/2017**

1. Details of the transmission lines (132 kV & 33 kV) completed by power Grid under Comprehensive plan which are:
  - a) Handed over to Transmission Zone (From - To, in Km).
  - b) Completed but not yet handed over (From - To, in Km).
  - c) Whether any spares handed over or not by Power Grid.
2. Details of 132 kV sub stations completed by Power Grid under comprehensive plan which are:
  - a) Handed over to Transmission Zone (At & Capacity).
  - b) Completed but not yet handed over (At & Capacity).
  - c) Whether any spares handed over or not by Power Grid.
3. Since all the Transmission lines and sub stations under comprehensive plan are under the category of intra-state network, so what is the status of filing of tariff determination Petition filing before the APSERC for the portions of lines and sub stations handed over by PGCIL and those also which are completed but yet to be handed over. As per MoA all the statutory fee is to be borne by the PGCIL/PMC.
4. Tariff firing status in respect of existing transmission lines (132 & 33 kV).
5. Status of 33% of total deployment of manpower from DoP to site activities of power.
6. Grid/PMC under comprehensive plan.
7. Operation and maintenance procedure adopted by Transmission Zone for 132 kV new lines and sub stations taken over from PMC and the existing lines and sub stations already with the Transmission Zone.
8. Status of AMC signed by Transmission Zone with the concerned parties for the fibre optics based communication equipment.



## Annexure - IV : Consumer Awareness Workshops

The Chairperson and Secretary conducted various workshops at different public places and discussed various issues/agenda as given below:

### Place of Workshops Conducted as follows:

1. Tezu on 30/01/2017
2. Roing on 31/01/2017
3. Ziro on 21/02/2017
4. Daporijo on 22/02/2017
5. Aalo on 23/02/2017
6. Pangin & Pasighat on 24/02/2017 & 25/02/2017

### Issues / Agenda discussed as follows:

1. Present status and completion target of schemes for metering of LT and HT feeders Distribution Substations, 100% metering of consumers.
2. Division wise T & D losses.
3. Present status and completion target of consumer indexing and computerizing of monthly billing and other facility/activities / record keeping related to consumers.
4. Status of annual adjustment of interest earned by electricity consumers against their security deposits maintained with the department.
5. Status of updating of security deposits of the consumers as per formula mentioned in supply code in accordance to their connected load.
6. Division wise detail of the following:

Category of consumers	Total Consumers	Connected load in kW	No. of Metered connection	No. of Un-metered connection	No. of connection with faulty meters
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7. Method adopted for average billing in case of consumers switch of meters and consumers without meters.
8. Cost of service category wise.
9. Views on introduction of slab based tariff.
10. Views of minimum charges which have been abolished by the commission on the request of the Department of Power with effect from 2016-17.
11. Existing method of record keeping of data of load shedding, tripping, plan outages and whether any plan of computerization of these data.
12. Method of registration of complaint of consumers, any efforts for its automation
13. Month wise peak and off peak load and extent to which it is fulfilled.

**Annexure -V : SAC Member Notification****NOTIFICATION****The 11<sup>th</sup> OCTOBER'2017**

**APSERC/NOTIFICATION/26/2017:** In exercise of the powers conferred under Section 87 of the Electricity Act, 2003 (Act No. 36 of 2003) and all powers enabling on that behalf, the Arunachal Pradesh State Electricity Regulatory Commission (APSERC) hereby reconstitutes the State Advisory Committee with the following members with immediate effect and until further order.

Sl. No.	Details of the members	Designations
1.	Chairman, APSERC	Ex-Officio Chairperson
2.	Commissioner (Finance), Govt. of Arunachal Pradesh	Member
3.	Commissioner (Power), Govt. of Arunachal Pradesh	Member
4.	Secretary Consumers Affairs & PDS	Member
5.	Chief Engineer (Power), Western Elect. Zone	Member
6.	Chief Engineer (Power), Eastern Elect. Zone	Member
7.	Chief Engineer (Power), Transmission, Plg. & Monitoring	Member
8.	Chief Engineer, DHPD, Western Zone	Member
9.	President, Arunachal Chamber of Commerce	Member
10.	President, Itanagar Bazar Welfare Committee	Member
11.	President, Naharlagun Bazar Welfare Committee	Member
12.	Director, Industries, Govt. of Arunachal Pradesh	Member
13.	Mr. Vijay Vyas, President of Shree Salasar Industries, Lekhi Village	Member
14.	Managing Director, Devi Engineers Pvt. Ltd.	Member
15.	Commissioner, Labour, Govt. of Arunachal Pradesh	Member
16.	Chief Councillor, Itanagar Municipal Council	Member
17.	Chief Councillor, Pasighat Municipal Council	Member
18.	Mrs. Jarjum Ete	Member
19.	Mr. Y. D. Tongchi	Member
20.	Mr. Taba Ajum	Member
21.	HoD (Elect. Engg.), NIT	Member

**Secretary, APSERC will be the ex-officio Secretary of the State Advisory Committee.**



**1. Main Terms of Functioning:-**

- i. The SAC shall meet at least once in six months or such intervals and at places as may be decided by the Commission.
- ii. The quorum at the meeting shall be 1/3<sup>rd</sup> of the membership of the SAC.
- iii. Provided that attendance by proxy shall not be permitted at the meeting of the SAC.
- iv. Provided that the Chairperson may invite any person who is not a member of the SAC as a special invitee to aide and assist the members of the SAC on any matter on the agenda of its meeting.
- v. The notice and the agenda for the meeting of the SAC shall be sent to the members at least seven days before the date of meeting.

**2. Objects of the State Advisory Committee:-**

The objects of the State Advisory Committee shall be to advise the Commission on:

- i. Major question on policy;
- ii. Matters relating to quality, continuity and extent of service provided by the Licensees;
- iii. Compliance by licensees with the conditions and requirement of their licence;
- iv. Electricity supply and overall standards of performance by utilities;

**3. Powers to remove Difficulties:-**

If any difficulty arises in giving effect to any of the provisions of these rules, the Commission may by general or special order, may take action as may appear to the Commission to be necessary or expedient for the purpose of removing difficulties.

**4. Power to Amend:-**

The Commission may, at any time add, vary, alter, modify the composition of the SAC within the ambit of the Act.

**Sd/-**

**Secretary**

**Arunachal Pradesh State Electricity Regulatory Commission**

**Itanagar-791111**

## **Annexure - VI : Role of State Advisory Committee and details of meetings held and agenda discussed**

The major role of the advisory committee as assigned under Section 88 of EA-2003 is to advise the Commission on –

- a) major questions of policy;
- b) matters relating to quality, continuity and extent of service provided by the licensees;
- c) compliance by licensees with the conditions and requirements of their licence;
- d) protection of consumer interest;
- e) electricity supply and overall standards of performance by utilities.

### **Meetings of the State Advisory Committee**

During the year, 2017-18 Commission organised two meetings as detailed below:

1. The 5th SAC meeting was held on 31/10/2017 at Conference room of APSERC, Itanagar.

The following agenda was discussed:

- a) Restructuring of Power Department.
- b) Transmission and Distribution (T&D) Losses.
- c) Tariff Structure of Department of Power.
- d) Consumer issue.
- e) Steps for Improvement of DHPD.
- f) Awareness programme in Public Interest.
- g) Issues arising out of Non Compliance of statutory directory of APSERC and Ministry of Power.

2. The 6th SAC meeting held on 19/03/2018 at Conference room of APSERC, Itanagar

The following agenda was discussed:-

- a) Restructuring of Power Department.
- b) Strategy to reduce Transmission and Distribution Losses (T&D).
- c) Awareness Programme in Public Interest.
- d) Consumer Issues.
- e) Smart Grid action plan of DoP in Smart City - Pasighat & Itanagar.
- f) Steps for improvement of DHPD.
- g) Status of implementation of Grid Interactive Solar Roof Top PV Systems in Govt. & Private Buildings/ Power Policy.



## Annexure - VII: Trainings, Seminars and Meetings attended during 2017-18

Sl. No.	Particulars Of Programme	Duration	Venue	Attended By	Programme Conducted/ Sponsored
1.	59th Meeting of the Forum of Regulators (FOR)	21/04/2017	Guwahati (Assam)	Chairman	FOR
2.	7 <sup>th</sup> Meeting of FORENS	27/03/2017 30/03/2017	Sikkim	Chairman	FORENS
3.	18th Annual General Body Meeting of FOIR	22/06/2017	New Delhi	Chairman	FOIR
4.	60th Meeting of The Forum of Regulators (FOR)	23/06/2017	New Delhi	Chairman	FOR
5.	61 <sup>st</sup> Meeting of the Forum of Regulators (FOR)	02/09/2017	Chennai (Tamil Naidu)	Chairman	FOR
6.	Executive Management Workshop under RRTI- CERC	11/09/2017 12/09/2017	New Delhi	Chairman	FOIR
7.	8 <sup>th</sup> Meeting of FORENS	12/10/2017 14/10/2017	PURI	Chairman	FORENS
8.	Capacity Building Program	17/11/2017 19/11/2017	IICA, Manesar, Haryana	Chairman, Secretary, and all Consultants	FOR
9	62 <sup>nd</sup> Meeting of the Forum of Regulators	15/12/2017	New Delhi	Chairman	FOR
10	11 <sup>th</sup> Capacity Building Programme Organised By Department of Industrial and Management Engineering, Indian Institute of Technology Kanpur (IIT, Kanpur)	09/12/2017 15/12/2017	New Delhi & Singapore	Staff Consultant	FOR
11	Training on NPS	07/01/2018 08/01/2018	Guwahati	FAO & Accountant	NSDL
12	Workshop by ISGF, 2018	05/03/2018 09/03/2018	New Delhi	Chairman, Secretary, and Expert Consultant	ISGF

## Annexure - VIII: Details of CGRF &amp; Ombudsman

No. of CGRFs	Details of the concerned officials for each CGRF	Mobile No.	Email id	Details of the Ombudsman
7 nos. created vide order No. P W R S / E 2746/2015/1834-41, Dtd. 25/04/15	<b>1. Naharlagun CGRF</b> Shri. Rubu Tago, S.E. (E), <b>Chairman</b>	9436044986	<a href="mailto:Seapec1@gmail.com">Seapec1@gmail.com</a>	Mr.Dharmendra Mishra, appointed by APSERC vide its order No. APSERC/E-13/III/2018-19/56.Dtd. 24/04/2018
	<b>2. Pasighat CGRF</b> Shri Duyu Tacho S.E. (E), Pasighat, <b>Chairman</b>	8414077247	<a href="mailto:sepasighat@rediffmail.com">sepasighat@rediffmail.com</a>	
	<b>3. Miao CGRF</b> Shri B. S. Kaneri S.E. (E), Miao, <b>Chairman</b>	9774066548	<a href="mailto:arunachalpowermec3@rediffmail.com">arunachalpowermec3@rediffmail.com</a>	
	<b>4. Dirang CGRF</b> Shri Hage Mima S.E. (E), Dirang, <b>Chairman</b>	9436041594	<a href="mailto:mimahage@yahoo.co.in">mimahage@yahoo.co.in</a>	
	<b>5. Ziro CGRF</b> Shri Gyati Tada S.E. (E), Ziro, <b>Chairman</b>	9436040664	<a href="mailto:apecevziro2008@gmail.com">apecevziro2008@gmail.com</a>	
	<b>6. Aalo CGRF</b> Shri Modam Jinni S.E. (E), Aalo, <b>Chairman</b>	8794747627	<a href="mailto:sepoweraalo@rediffmail.com">sepoweraalo@rediffmail.com</a>	
	<b>7. Tezu CGRF</b> Shri Ginko Lingi S.E. (E), Tezu, <b>Chairman</b>	8415896163	<a href="mailto:setezupower@gmail.com">setezupower@gmail.com</a>	



## **Annexure - IX: Audited Annual Accounts for the Year 2017-18**



**SEPARATE AUDIT REPORT  
OF THE  
COMPTROLLER AND AUDITOR GENERAL OF  
INDIA**

**ON THE ACCOUNTS OF THE  
ARUNACHAL PRADESH STATE ELECTRICITY  
REGULATORY COMMISSION (APSERC),  
ITANAGAR**



**FOR THE YEAR ENDED  
31 MARCH 2018**

**Separate Audit Report of the Comptroller & Auditor General of India on  
Accounts of the Arunachal Pradesh State Electricity Regulatory Commission,  
Itanagar for the year ended 31 March 2018**

We have audited the attached Balance Sheet of the Arunachal Pradesh State Electricity Regulatory Commission as at 31 March 2018 and the Income & Expenditure Account/Receipts & Payment Accounts for the year ended on that date under Section 20(1) of the Comptroller & Auditor General's (Duties, Power & Conditions of Service) Act, 1971, read with Section 104 of the Electricity Act, 2003. These financial statements are the responsibility of the Commission's management. Our responsibility is to express an opinion on these financial statements based on our audit.

This Separate Audit Report contains comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc, if any, are reported through Inspection Reports/CAG's Audit Reports separately.

We have conducted our audit in accordance with Auditing Standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material mis-statements. An Audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

Based on our audit, we report that:

- i. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.



- ii. The Balance Sheet and Income & Expenditure Account/Receipts & Payment Account dealt with by this report have been drawn up as per the format applicable to the West Bengal Electricity Regulatory Commission, and the same is being considered by the Government of Arunachal Pradesh for notification in the Official Gazette, after consultation with the Comptroller & Auditor General of India.
- iii. In our opinion, proper books of accounts and other relevant records have been maintained by the Commission as required under Section 104 of the Electricity Act, 2003, in so far as it appears from our examination of such books.
- iv. We further report that:

**A. Balance Sheet and Income & Expenditure Account/Receipts & Payments Account**

The Annual Accounts for the year ended 31 March 2018 have been prepared as per the form of accounts approved by the Government of Arunachal Pradesh and notified in the Official Gazette after consultation with the Comptroller & Auditor General of India.


- v. Subject to our observations in the preceding paragraph, we report that the Balance Sheet and Income & Expenditure Account/Receipts & Payment Account dealt with by this report are in agreement with the books of accounts.
- vi. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above in this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.
  - a. In so far as it relates to the Balance Sheet, of the state of affairs of the Commission as at 31 March 2018.

- b. In so far relates to the Income and Expenditure Account of the deficit for the year ended on that date.

**Place: Itanagar.**

**Date: 3<sup>rd</sup> May 2019**

*for and on behalf of the C & AG of India*

  
**Principal Accountant General  
Arunachal Pradesh**





## Annexure

### **1. Adequacy of Internal Audit and Internal Control Mechanism**

The Commission did not have any Internal Audit Manual and Internal Audit was not conducted for the period 2017-18. For internal control purpose and pre-checking of bills were carried out by Finance and Accounts Officer before passing for payments.

### **2. Adequacy of Physical Verification of Fixed Assets and Inventories**

Physical verification of assets and inventories was conducted during the period 2017-18, however, no action was taken to write off the assets which had exhausted its useful life and no more in use by the Commission.

### **3. Regularity in Payment of Statutory Dues.**

The Institute was regular in payment of Statutory Dues.

### **4. Provision of Retirement benefits.**

The provision of retirement benefit was not made as per actuarial valuation.

Place: **Itanagar**

Dated: **3<sup>rd</sup> May 2019**

*For and on behalf of the C&AG of India*

**Principal Accountant General  
Arunachal Pradesh**

Receipts & Payments Accounts for the year ended 31<sup>st</sup> March 2018

Receipts & Payments Accounts for the year ended 31 <sup>st</sup> March 2018									
Debit					Credit				
Receipt To	Amount Rs.	Total Amount Rs.	Previous Year Rs.	Payments By (Schedule X)	Amount Rs.	Total Amount Rs.	Previous Year Rs.		
<b>1</b> Opening Balance				<b>1</b> Establishment Charges and (Schedule X)					
(i) Cash in HAND				Pay and allowances (Chairperson)	3410800	3410800	1817215		
(ii) Cash at BANK	1060994.50	1060994.50	4709588	Pay & Allowances (Other Staff)	5878726	5878726	4167070		
				Wages	436643	436643	437473		
				Remuneration for Professional and Other Services	3789194	3789194			
				Leave salary and Pension Contribution					
				Travel Expenses (schedule Y)					
				(a) Domestic Travel (Chairperson)	708148	708148	485910		
				(b) Foreign Travel (Chairperson)					
				(c) Leave Travel Concession (Chairperson)	29498	29498			
				(d) Domestic Travel (Other Staff)	319762	319762	243612		
				(e) Foreign Travel (Other Staff)					
				(f) LTC (Other staff)					
				Honorarium			33500		
				Overtime Allowances					
				Medical and Health care facilities (Chairperson)					
				Medical and Health care facilities (Other Staff)	14837	14837	138221		
				Bonus					
				Other Establishment charges (Bank charges)	88635.67	88635.67	31281.5		
				CPF of Chairperson			1443532		
				EPFO of FAO (Employer contribution)	81899	81899	69713		
<b>TOTAL</b>	<b>1060994.50</b>	<b>1060994.5</b>	<b>4709588</b>	<b>TOTAL</b>	<b>14758142.7</b>	<b>14758142.67</b>	<b>8867527.5</b>		



Receipts & Payments Accounts for the year ended 31<sup>st</sup> March 2018

Debit				Credit			
Receipt To	Amount Rs.	Total Amount Rs.	Previous Year Rs.	Payments By	Amount Rs.	Total Amount Rs.	Previous Year Rs.
2 Grants-in-aid from Government of Arunachal Pradesh	26200000	26200000	18800000	2 Administrative & other office Expenses			
				(i) Meeting/Conference etc. charges	41644	41644	
				(ii) Telephone/Fax/Mobile Bill	256788	256788	68250
				(iii) (a) Rent	963054	963054	
				(b) Rates & taxes (VAT& TDS)	208	208	3721
				(iv) Newspaper/Periodicals	5170	5170	3353
				(v) Advertisement/Publicity	94812.75	94812.75	14710
				(vi) Postage & Courier	23948	23948	7850
				(vii) Stationery & Other office expenses	281338.1	281338.1	174870
				viii Office expenses	628535.99	628535.99	8712
				(ix) Licenses/Membership subscription fee	865505.75	865505.75	907500
				(x) Printing	3240	3240	
				(xi) Electricity Charges & Water Charges	34970	34970	20868
				(xii) Diesel	307578	307578	110514
				Petrol (Others)	139765	139765	73870
				Mobile	400	400	
				(xiii) Vehicle hire charges			449383
				(xvi) Legal Expenses			
				(xv) Hospitality Expenses	46728	46728	10613
				(xvi) Audit Fee			
				Repair and Maintenance			
				(a) Office Building	51423	51423	11939
				(b) Machinery & Equipments	35442	35442	28700
				(c) Furniture & Fittings			
				(d) Vehicle	176212	176212	31658
				(e) Chairperson, Bungalow	719682	719682	40680
				(xviii) Training Fees/Expenses	495592	495592	139771
				(xix) Miscellaneous expense	54914	54914	3970
				(xx) Website maintenance	523722	523722	30800

Receipts & Payments Accounts for the year ended 31 <sup>st</sup> March 2018						
Debit			Credit			
Receipt To	Amount Rs.	Total Amount Rs.	Previous Year Rs.	Payments By	Amount Rs.	Total Amount Rs.
				(xxi) General Insurance Charges	115370	115370
				(xxii) Members (Meetings) fees		
				(xxiii) Consultancy Fees		50625
				(xxiv) Recruitment expenses	133330	141119
	<b>TOTAL</b>	<b>26200000</b>	<b>18800000</b>	<b>TOTAL</b>	<b>5999372.59</b>	<b>2348342</b>
<b>3 Receipts from commission</b>				<b>Non Recurring Expenditure</b>		
(i) Receipts from Investments:				(i) Land & Buildings	839965	839965
(a) Investment encashed				(ii) Motor Vehicles		4895571
APSERC	42628505	42628505		(iii) Furniture, Fixtures & Fittings	3271585	3271585
Chairperson's CPF			918038	(iv) Equipment & Machinery	111599	111599
(b) Interest on Investment				(v) Xerox (Photocopy)/Duplicating machine		
i) APSERC	1101824	1101824		(vi) Computer and Laptop	786920	786920
ii) Chairperson's CPF			75676	(vii) Printer		
Recovery of Loans & Advances (PI)				(viii) Books & Publication	400	400
(iii) Recovery of advance from other (TA and POL)				(ix) Telephone /Fax machine, electronic gadget		
(iv) Other Receipts				(x) One time building renovation i.e elect. Rewiring, water supply works, painting		
(a) Commission				(xi) Electrical installation and equipment	3550237	3550237
(b) Fees, fines & penalty	150283	150283	600120	Total	8560706	8560706
(c) Interest on Cash at Bank						
						10893
						4982958



Receipts & Payments Accounts for the year ended 31<sup>st</sup> March 2018

Debit			Credit				
Receipt To	Amount Rs.	Total Amount Rs.	Previous Year Rs.	Payments By	Amount Rs.	Total Amount Rs.	Previous Year Rs.
(d) Interest on Loans & Advances							
(e) Advance payment of Tax of Chairman							
(f) Misc-receipt (bank interest)	89784	89784	0				
(g) Fee received in Advance	1250000	1250000					
(h) Prior period income (2016-17)	500000	500000					
<b>TOTAL</b>	<b>45720396</b>	<b>45720396</b>	<b>1593834</b>			<b>42140113</b>	<b>7200000</b>
<b>4 Deposit</b>				<b>4 Investments</b>			
(i) Security deposit				Fixed Deposits (CPF Chairperson)			
(ii) Earnest Money Deposit				Fixed Deposits (APSERC'S Fund)	42140113	42140113	7200000
(iii) Other Deposit							
<b>TOTAL</b>			<b>0</b>	<b>TOTAL</b>	<b>42140113</b>	<b>42140113</b>	<b>7200000</b>
<b>5 Remittance receipts other than recoveries from Pay Bills</b>				<b>5 Advances to Staff</b>			
<b>6 Adjustment entry</b>				(i) House Building Advance			
<b>7 Recovery &amp; adjustment (Advance to Contactor owner of Building)</b>	548600	548600					
<b>8 R/D matured amount for 31 months @ Rs. 16000/- per month (including interest)</b>				(ii) Motor Car/ Motor Cycle/ Scooter Advance			
(i) Investment encashed				(iii) Personal Computer Advance			
(ii) Interest on R/D				(iv) Festival Advance			
				(v) others to be specified			
<b>TOTAL</b>	<b>548600</b>	<b>548600</b>	<b>0</b>	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>

Receipts & Payments Accounts for the year ended 31<sup>st</sup> March 2018

Debit				Credit			
Receipt To	Amount Rs.	Total Amount Rs.	Previous Year Rs.	Payments By	Amount Rs.	Total Amount Rs.	Previous Year Rs.
<b>9</b> Salary receipt				<b>6</b> Contingent Advance			
(i) Telephone allowances			1000	(i) Advance for PI			
(ii) Recovery of GPF (Shri Marjum Karlo, PS)			40000	(ii) Advance to Employee (Shri Jaydip Mukherjee)	10000	10000	
(iii) 3 month salary from Electricity Ombudsman		105000	105000	(iii) Advance for TA/DA	611581	611581	48600
(iv) less EPFO employee contribution in respect of Shri Jaydip Mukherjee, FAO	429			(iv) Advance to Contractor (Owner of Building)			500000
	0	0		(v) Advance for LTC	27823	27823	
<b>Total</b>	<b>105429</b>	<b>105429</b>	<b>41000</b>	<b>TOTAL</b>	<b>649404</b>	<b>649404</b>	<b>548600</b>
				<b>7</b> Deposits Payments ( particulars of deposits is to be indicated)			
				<b>8</b> Closing Balance			
				(i) Cash in Hand			
				(ii) Cash at Bank SBI & PNB	900181.2	900181.2	1060994.5
				(iv) R/D a/c with S.B.I Naharlagun	627500	627500	136000
<b>Total</b>	<b>73635419.5</b>	<b>73635419.5</b>	<b>25144422</b>	<b>Total</b>	<b>73635419.5</b>	<b>73635419.5</b>	<b>25144422</b>

S/d-

Finance and Accounts Officers

State Electricity Regulatory Commission  
Arunachal Pradesh

S/d-

Secretary (i/c)

State Electricity Regulatory Commission  
Arunachal Pradesh

S/d-

Chairperson

State Electricity Regulatory Commission  
Arunachal Pradesh



## Income & Expenditure Accounts for the year ended 31<sup>st</sup> March 2018

Income & Expenditure Accounts for the year ended 31st March 2018						
Debit				Credit		
Receipt To	Amount Rs.	Total Amount Rs.	Previous Year Rs.	Payments By	Amount Rs.	Total Amount Rs.
<b>A</b>	<b>Establishment Charges and (Schedule XI)</b>			<b>A</b>	<b>Grants-in-aid from Government of Arunachal Pradesh</b>	<b>26200000</b>
(i)	Pay and allowances (Chairperson)	3410800	1817215		Add: Grants-in-aid receivable	18800000
(ii)	Pay & allowances (Other Staff)	5894174	4167070			
(iii)	Wages	436643	437473		Total	26200000
(iv)	CPF of Chairperson					18800000
(v)	Remuneration for Professional and Other Services	3789194				
(vi)	Leave salary and Pension Contribution	0	0		Less: Amount capitalised (Purchase of Assets)	4982958
(vii)	Travel Expenses :					
	(a) Domestic Travel (Chairperson)	708148	485910			
	(b) Foreign Travel (Chairperson)					
	(c) Leave Travel Concession (Chairperson)	29498	0			
	(a) Domestic Travel (Other Staff)	319762	243612			
	(b) Foreign Travel (Other Staff)	0	0			
	(c) LTC (other staff)					
(viii)	Honorarium	0	33500			
(ix)	Overtime Allowances					
(x)	Medical and Health care facilities	14837	138221			
(xi)	Bonus					
(xii)	Other Establishment charges	88635.67	31281.5			
(xiii)	EPFO of FAO (Employer contribution)	81899				
	<b>TOTAL</b>	<b>14773591</b>	<b>7354283</b>		<b>NET TOTAL</b>	<b>16877900</b>
<b>B</b>	<b>Administrative &amp; other office Expenses</b>			<b>B</b>	<b>Receivable from department Of Power</b>	
(i)	Meeting/Conference etc. charges	41644		(i)	Annual License fee for Deemed Distribution license	1092728
						1257071
						16877900
						13817042

Income & Expenditure Accounts for the year ended 31st March 2018									
Debit					Credit				
	Receipt To	Amount Rs.	Total Amount Rs.	Previous Year Rs.	Payments By	Amount Rs.	Total Amount Rs.	Previous Year Rs.	
(ii)	Telephone & Fax Expenses	256788	256788	68250	Annual License fee for Deemed transmission license	620046	620046	43795	
(iii)	(a) Rent	963054	963054						
	(b) Rates & taxes	208	208	3721					
(iv)	Newspaper/Periodicals	5170	5170	3353					
(v)	Advertisement/Publicity	94813	94813	14710					
(vi)	Postage & Courier	23948	23948	7850					
(vii)	Office Stationery	281338.1	281338.1	174870					
(viii)	Office expenses	628536	628536	8712					
(viii)	Licenses/Membership subscription fee	865505.75	865505.75	907500					
(ix)	Printing	3240	3240	0					
(x)	Electricity Charges & Water Charges	34970	34970	20868					
(xi)	Diesel & etc. Chairperson	307578	307578	110514					
	Petrol ( Others)	139765	139765	73870					
	Mobile	400	400						
(xii)	Vehicle hire charges	0	0	449383					
(xiii)	Legal Expenses	0	0	0					
(xiv)	Hospitality Expenses	46728	46728	10613					
(xv)	Audit Fee								
(xvi)	Repair and Maintenance								
	(a) Office Building	51423	51423	11939					
	(b) Machinery & Equipments	35442	35442	28700					
	(c) Furniture & Fittings	0	0	0					
	(d) Vehicle	176212	176212	31658					
	(e) Repair and maintenance of Chairperson bungalow	719682	719682	40680					
	(f) Depreciation	2124355	2124355	900137					
(xvii)	Training Fees/Expenses	495592	495592	139771					
(xviii)	Miscellaneous expenses	54914	54914	3970					
(xix)	Website maintenance	523722	523722	30800					
(xx)	General Insurance Charges	115370	115370	14866					



Income & Expenditure Accounts for the year ended 31st March 2018

		Debit				Credit			
	Receipt To	Amount Rs.	Total Amount Rs.	Previous Year Rs.		Payments By	Amount Rs.	Total Amount Rs.	Previous Year Rs.
(xxi)	Members (Meetings) fees								
(xxii)	Consultancy Fees			50625					
(xxiii)	Liveries								
(xxiv)	Recruitment expenses	13330	13330	14119					
	<b>TOTAL</b>	<b>8123728</b>	<b>8123728</b>	<b>3248479</b>		<b>TOTAL</b>	<b>1877117</b>	<b>1877117</b>	<b>1530683</b>
<b>C</b>	<b>Non Recurring Expenditure</b>				<b>C</b>	<b>Interest on Investment</b>			
(i)	Land & Buildings					(a) Interest received on investment	1101824	1101824	970649
(ii)	Motor Vehicles					(b) Accrued interest on investment	128047	128047	331439
(iii)	Furniture & Fixtures					(c) Interest receive on R/D	0	0	
(iv)	Equipment & Machinery								
(v)	Xerox (Photocopy)								
(vi)	Books & Publication								
(vii)	Fax Machines								
(viii)	Telephone Installation								
	<b>TOTAL</b>					<b>TOTAL</b>	<b>1229871</b>	<b>1229871</b>	<b>1302088</b>
<b>D</b>	<b>Investments</b>				<b>D</b>	<b>Interest on Cash at bank</b>			
<b>E</b>	<b>Advances to Staff</b>				<b>E</b>	<b>Fees</b>	150283	150283	1100120
(i)	House Building Advance								
(ii)	Motor Car/ Motor Cycle/ Scooter Advance				<b>F</b>	<b>Prior period Income (2016-17)</b>	500000	500000	
(iii)	Personal Computer Advance								
(iv)	Festival Advance								
(v)	others to be specified								
<b>F</b>	<b>Contingent Advance</b>								
(i)	Advance for PI				<b>G</b>	<b>Misc-Receipt (bank interest and other receipt)</b>	89784	89784	0
(ii)	Advance for Purchase of POL & Others				<b>H</b>	<b>Fund received from Power Department for selection process of Chairman</b>			
(iii)	Advance for TA/DA				(i)	Sale of old newspapers, etc			
(iv)	Advance to LTC				(ii)	Sale of Tender Paper			
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>					

## Income &amp; Expenditure Accounts for the year ended 31st March 2018

		Debit			Credit			
	Receipt To	Amount Rs.	Total Amount Rs.	Previous Year Rs.	Payments By	Amount Rs.	Total Amount Rs.	Previous Year Rs.
G	Deposits Payments (particulars of deposits is to be indicated)				Provision for Gratuity Provision made during the year			
H	CPE, Chairperson			449818				
I	EPFO, FAO			69713	Salary receipt			
J	Prior period Adjustment account (Interest Accrued)	331439	331439	322318	Telephone allowance refunded	0	0	1000
					GPF Refunded	0	0	40000
K	Liability to contractor (office building rent w.e.f Feb to March 2018)	273016	273016		3 month salary from Electricity Ombudsman	105000	105000	
					less EPFO employee contribution in respect of Shri. Jaydip Mukherjee, FAO	429	429	
L	Excess of income over Expenditure			6346322	Excess of expenditure over Income	2671390	2671390	
	<b>Total</b>	<b>23501774</b>	<b>23501774</b>	<b>17790933</b>	<b>Total</b>	<b>23501774</b>	<b>17790933</b>	

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Chairperson  
State Electricity Regulatory Commission  
Arunachal Pradesh



**Balance Sheet as on 31<sup>st</sup> March 2018**

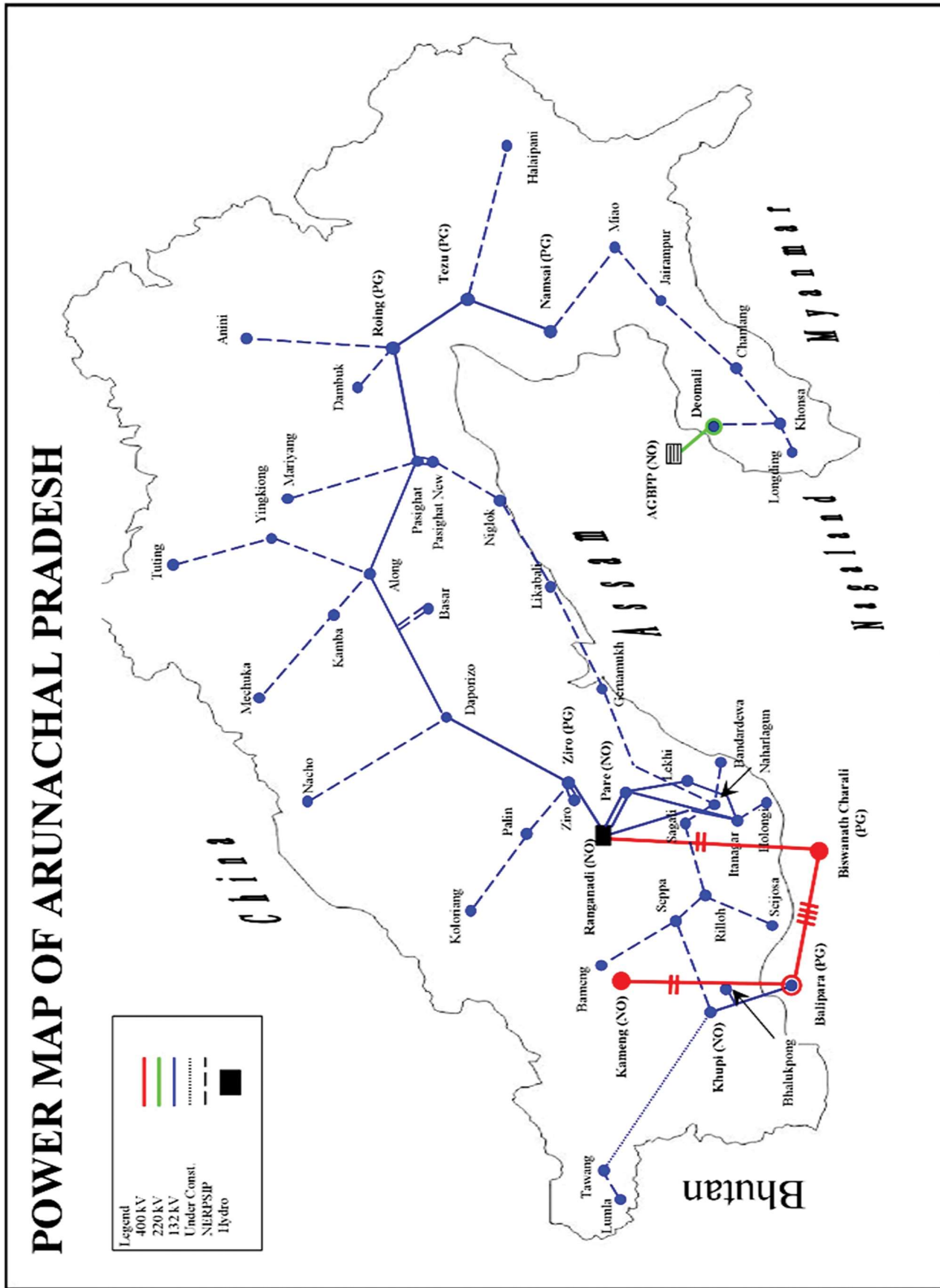
Balance Sheet as at 31 <sup>st</sup> March 2018									
Debit					Credit				
Liabilities	Amount	Previous Year Rs.	Assets	Amount	Previous Year Rs.		Amount	Previous Year Rs.	
Capital			Fixed Assets	12326246	5128502	(Schedule A)			
Opening Balance	34141297	22812017	Investments	20423387	20911779	(Schedule B)			
Add: Additional during the year (Schedule 1)	9322100	4982958	Accrued interest	128047	331439				
Add: (less) Excess of Income (or expenditure over Income) during the year transferred from income & expenditure account(+)	2671390	6346322	Contingent & Other Loans & Advances	649404	548600	(Schedule C)			
<b>Total</b>	<b>40792007</b>	<b>34141297</b>	Deposits	40000	40000	(Schedule D)			
Loans:			Provident Funds			(Schedule E)			
Liabilities & provisions			Sundry Debtors	7861100	5983983	(Schedule F)			
Remittances			Grants Receivable			(Schedule G)			
Provident Funds			Closing balance						
Sundry Creditors & other liabilities	1049858		Cash in Hand			(Schedule H)			
Provision for Gratitudes			Cash at Bank	900181	1060995	(Schedule I)			
(for all Employees)			R/D account	763500	136000	(Schedule J)			
Current liability (Fee FY-2018-19)	1250000								
<b>Grand Total</b>	<b>43091865</b>	<b>34141297</b>	<b>Grand Total</b>	<b>43091865</b>	<b>34141297</b>				

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Arunachal Pradesh

**Annexure - X : Power Map of Arunachal Pradesh**





**Aerial view of Lekhi Substation, Itanagar**



**Arunachal Pradesh State Electricity Regulatory Commission**  
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