

**JOINT ELECTRICITY REGULATORY COMMISSION
FOR
MANIPUR AND MIZORAM**

13rd ANNUAL REPORT

2020-2021

FOREWORD




On the start of this Foreword, I would like to mention that this 13th Annual Report of the Joint Electricity Regulatory Commission cover the period from 1st April 2020 to 31st March 2021.

The major period under report was under the Chairpersonship of Mr. Ng. Sarat Singh, Member representing Manipur State, who had gone to his heavenly abode on 20th November 2020. As he (R.I.P.) was not able to write the foreword, I have to write with deep remembrance of the rightful person, my co-Member.

This Annual Report for 2020-21 is prepared for laying in the Legislative Assembly of Manipur State and in the Legislative Assembly of Mizoram State.

The Commission held State Advisory Committees (SAC) for Manipur and Mizoram on 24.02.2020 and 27.02.2020 respectively. After prudent study of Aggregate Revenue Requirement (ARR) in respect of Manipur State Power Company Limited (MSPCL), Manipur State Power Distribution Company Limited (MSPDCL) and Power & Electricity Department (PED) Mizoram, Public hearing in respect of ARR of MSPDCL, MSPCL and PED Mizoram on 25.02.2020 at morning session and afternoon session and on 28.02.2020 respectively. The final Tariff Orders were issued on 20.03.2020 to be effective from 1st April, 2020 in line with Approved Aggregate Revenue requirement for each utility.



LALCHHARLIANA PACHUAU
Chairperson

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CHAPTER – I

INTRODUCTION

1. THE COMMISSION

The State Electricity Regulatory Commission is a mandatory requirement for every State as per Sections 82 and 83 of the Electricity Act, 2003. However, the States of Manipur & Mizoram accepted the advice of the Ministry of Power, Govt. of India on the constitution of a Joint electricity Regulatory Commission from the points of view of financial implications and opted for it when the Government of India generously agreed to bear entire expenditure (excluding that of office accommodation) of the Joint Commission for the first five years. A Memorandum of agreement to this effect was signed on 23rd July, 2004 among the Government of India and the State Governments of Manipur and Mizoram.

As per the terms and conditions of the Agreement, Notification was issued by the Government of India vide Ministry of Power No. F. 23/2002-R&R dated 18th January, 2005 constituting the Joint Electricity Regulatory Commission for the States of Manipur & Mizoram. The Commission, having two members one from each State, came into its existence with effect from 24th January, 2008.

The Commission functions in a quasi-judicial norm. It has the powers of Civil Court. It consists of a Chairperson and one full time Member. In recognition of the need for a multi-disciplinary approach while addressing issues related to independent regulation, the Act prescribes that the Chairperson and Member shall be persons having adequate knowledge and experience in Engineering, Law, Economics, Commerce, Finance or Management. It also prescribes a broad mix of disciplines to be represented in the Commission. The Chairperson and Member are appointed by the Government of India on the recommendation of a Selection Committee constituted by the Central Government as prescribed under the Electricity Act, 2003.

2. THE MISSION

The Joint Electricity Regulatory Commission for Manipur & Mizoram, is committed to honour and translate into reality its own pledge as assigned by the Electricity Act, 2003 that the Power Sector in the States of Manipur and Mizoram shall be developed as

an Industry which is efficient, commercially and financially self sustained and consumer friendly. The Commission also determines to strike balance of interests of all the stakeholders while fulfilling its primary responsibility to ensure supply of reliable power to the Consumers of these two States at reasonable and affordable rates and furtherance of reforms in the sector.

In discharge of its functions, the Commission is guided by the principle of good governance and decisions of Government of India laid down in National Electricity Policy 2005, National Electricity Plan 2004 and Tariff Policy 2016. It also safeguards the interests of the States and protects the consumers as well. The Joint Electricity Regulatory Commission for Manipur and Mizoram have been assigned to ensure speedy implementation of the reform process of the electricity sector in the States of Manipur and Mizoram.

3. MANDATE OF THE COMMISSION

- 1) **Section 86** of the Electricity Act, 2003 elaborates the function of the State Commission. As per Section 86(1), the State Commission shall discharge the following functions, namely:
 - a) Determine the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail, as the case may be, within the States of Manipur and Mizoram.
 - b) Regulate electricity purchase and procurement process of distribution licenses including the price on 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 licences 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 also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of distribution licensee;
 - f) Adjudicate upon the dispute between the licensees and generating companies and to refer any dispute for arbitration;

- g) Levy fee for the purposes of this Act;
 - h) Specify State Grid Code consistent with the Grid Code specified under clause(h) of sub-section(10) of Section 79;
 - i) Specify or enforce standards with respect to quality, continuity and reliability of service by licensees;
 - j) Fix the trading margin in the intra-State trading of electricity; if considered, necessary; and
 - k) Discharge such other functions as may be assigned to it under the Electricity Act, 2003.
- 2) As per section 86(2) of the Electricity act, 2003, 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) Re-organization and restructuring of electricity industry in the State; and
 - d) Matters concerning generation, transmission, distribution and trading of electricity or any other matter referred to the State Commission by that Government.
- 3) As per Section 86(3) of the Act, the State Commission shall ensure transparency while exercising its powers and discharging its functions.
- 4) As per Section 86(4), in discharge of its functions, the State Commission shall be guided by the National Electricity Policy, 2005, National Electricity Plan and Tariff Policy, 2006 published under Section 3 of the Electricity Act, 2003.

4. ANNUAL REPORT

Section 105 of the Electricity Act, 2003 states that

- 1) The State Commission shall prepare once in every year in such form and at such time as may be prescribed, as annual report giving a summary of its activities during the foregoing 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 it is received, before the State Legislature.

Accordingly, the Joint Commission has been preparing every year the Annual Report for circulation to various authorities including submission to the State Legislatures of Manipur and Mizoram.

The Annual Report 2020-2021 presents an overview of the Commission's activities during the period from 1st April, 2020 to 31st March, 2021. As stated earlier, this Commission was established on 24th January, 2008. Over these years, the Commission has been making all efforts to translate its vision to reality in the two States and constantly endeavouring for improvement of quality of supply and services to the consumers while maintain a reasonable and affordable price. In the whole process, co-ordinated support and point specific assistance of State Government and people's co-operation are pre-requisites. Without these essentials, the Commission would find it difficult to bring about a transformation in all fronts of the power sector and also in the overall economy of the States of Manipur and Mizoram.

5. THE COMMISSION & THE UTILITIES

The Joint Electricity Regulatory Commission for Manipur and Mizoram join hands with the State Government run utilities viz MSPCL and MSPDCL in Manipur and Power & Electricity Department in Mizoram. The Power & Electricity Department, Mizoram is known as the Integrated Utility. They take the pledge to improve the power sector as envisaged by the Electricity Act 2003.

6. ORGANIZATION CHART AND STAFF STRENGTH

The Organization Chart showing the details as on 31st March, 2021, of the posts sanctioned by the Ministry of Power, Government of India in consultation with both the State Governments of Manipur and Mizoram for smooth functioning of the Commission, is given as Annexure- . Proposal for creation of one post of Ombudsman and two supporting staffs each for Manipur and Mizoram has been submitted to the Ministry of Power, Government of India, and till date no creation order has been issued.

7. COMMISSION'S OFFICE

The Joint Electricity Regulatory Commission for Manipur and Mizoram is at present functioning at its office located at TBL Bhawan, E-18, Peter's Street, Khatla, Aizawl, Mizoram – 796001. The Office building is arranged by the Government of Mizoram incurring substantial expenditure as per the Memorandum of Agreement.

The Commission is accessible through its website; www.jerc.mizoram.gov.in and has e-mail of jerc.mm@gmail.com.

CHAPTER – II

ACTIVITIES OF THE COMMISSION

1. CONSTITUTION OF THE STATE ADVISORY COMMITTEE

The Section 87 of the Electricity Act, 2001 states that:-

- 1) The State Commission may, by notification, established 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 organizations 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.

As authorized by the Joint Electricity Regulatory Commission for Manipur and Mizoram (Constitution of State Advisory Committee and its functions) Regulations, 2010, two separate State Advisory Committees, one each for the States of Manipur and Mizoram, were constituted. Notifications issued in this regard are at Annexure- respectively.

The major role of the Advisory Committee, as assigned under Section 88 of the Electricity Act, 2003 is 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) Compliances by the Licensees with the conditions and requirements of their Licence.

- iv) Protection of Consumer interest.
- v) Electricity supply and overall Standards of performance by Utilities.

2. STATE ADVISORY COMMITTEE MEETINGS

As per the Regulations, meeting of the State Advisory Committee is to be held once in every quarter for both States.

During the year 2020-21, the Commission organized 1 (one) meeting for Mizoram State only. The Commission was not able to organize the meeting for Manipur State due to covid-19 pandemic.

MIZORAM

23rd Meeting of State Advisory Committee, Mizoram was held on 18th March, 2021 at Aijal Club, Tennis Court, Aizawl. The following agenda were discussed:

1. Confirmation on the Minutes of the 22nd Meeting of the SAC, Mizoram held on 27th Feb, 2020.
2. Review of action taken on the Minutes of the 22nd Meeting of SAC with reference to action taken so far.
 - i) Formation of Vigilance Committee.
 - (ii) Installation of meters at 132kV, 33kV, 11kV level and at DTs.
 - (iii) Report on updating contracted and connected load.
 - (iv) Up-to-date Status of unbundling/restruction of P&E Department.
 - (v) Opening of Revenue Collection Centre at Sakawrdai.
 - (vi) Losses in Power Purchase Management.
 - (vii) Increasing trend of consumer outstanding arrear from year to year.
 - (viii) Installation of Prepayment metering system.
 - (ix) Case study of Transmission loss (132 kV level) and Sub-Transmission (Distribution) loss at 33 kV level.

3. Testing of Meters.
4. Passing on Covid-19 rebate to end-consumers.
5. Determination of Retail Tariff of P&E Department for FY 2020-21.

3. STATE CO-ORDINATION FORUM & ITS ACTIVITIES

During the year 2010-21, the Commission organized 1(one) meeting each for Manipur State and Mizoram State as follows:

MANIPUR

5th Meeting of State Co-ordination Forum, Manipur was held on 5th Nov, 2020 at Conference Hall of MSPCL. The following agenda were discussed:

1. Details of action taken report on the minutes of the 4th meeting of Co-ordination Forum held on 4th December, 2018 at the Conference Hall of MSPDCL

Sub-agenda 1: Upto date status of Feeder metering in Sub-stations of MSPCL in detail at

- (i) 132 kV system
- (ii) 33 kV system
- (iii) 11 kV incoming & outgoing feeders

Sub-agenda 2: Transmission losses of MSPCL after proper energy audit at

- (i) 132 kV system and
- (ii) 33 kV system

Sub-agenda 3: Energy injected by MSPCL in the DISCOM periphery feederwise; monthwise report for the last quarter of 2017-18.

Sub-agenda 4: Feeder metering of 11 kV outgoing feeders executed by MSPDCL both under RAPDRP & other state plan projects with sub-station details. Whether 100% feeder metering completed and if not, list of the balance Sub-station wise feeders and timeline to complete the works.

Sub-agenda 5: Energy received by MSPDCL from the TRANSCOM periphery feederwise, monthwise report for the last quarter of 2017-18.

Sub-agenda 6: DT metering of 11 kV feeders under RAPDRP 'GO LIVE' towns and distribution loss in these towns; monthly town-wise report for the last quarter of 2017-18 after proper energy audit.

Sub-agenda 7: Joint Feeder Meter Reading by MSPCL & MSPDCL and monthly energy injection to the 11 kV feeders in urban areas for the last quarter of 2017-18.

Sub-agenda 8: Segregation of Distribution losses & commercial losses after proper audit by MSPDCL and monthly report for the last quarter of 2017-18.

Sub-agenda 9: Details of Division-wise status of providing

- (i) Prepaid meter
- (ii) Smart meters as per MoP guidelines.
- (iii) No. of unmetered consumers of any category if any.

Sub-agenda 10: MSPDCL may devise a mechanism if not already in place; such that while collecting revenue through recharging/ online payment/ cash counters etc. the category of the consumers making the payment are identified. This is for computation of actual categorise sale of energy which is required at the time of filing of Tariff Petition.

Sub-agenda 11: Present status of plan/project works taken up for giving 24x7 power supply by both the companies.

Sub-agenda 12: Monthly Report of target achieved under 'UDAY' scheme for the last quarter of 2017-18. Details of target and achievement report for the last 6(six) months.

Sub-agenda 13: A report on frequency of interruption & duration of interruption of power supply in the State. Detail analysis of causes & suggested remedies for improvement to be presented by SLDC.

Sub-agenda 14: A report on present status of Renewable Energy Generation both roof-top and other projects taken up by MANIREDA. A report on RPO in the State.

Sub-agenda II : 11 kV feeder case study and format for submission of report , one feeder from each 33/11 kV substation within –

- 1) Imphal 'E' District
- 2) Imphal 'W' District
- 3) Thoubal District
- 4) Kakching District
- 5) Bishnupur District

Sub-agenda III: Month-wise outage report of interruption and duration of interruption of Power supply in the states from April, 2018 to October, 2018.

2. Details of monthly energy injected to the state power system for the period.
 - i) October 2018 to March 2019
 - ii) April 2019 to March 2020
 - iii) April 2020 to September 2020
3. Details of energy injected by Transcom i.e. MSPCL to the Discom i.e. MSPDCL during the above period and monthly, quarterly and annual transmission losses of MSPCL and distribution losses of MSPDCL during the period.
4. Monthly outage report during 2019-20 and April 2020 till September 2020.
5. Status of ongoing projects/works and target date of completion of MSPCL, MSPDCL and MANIREDA.
6. Upcoming power projects of MSPCL, MSPDCL and MANIREDA.
7. Topic with the permission of the Chairperson.

The Chairperson, JERC has advised MSPDCL to keep proper accounting of energy injected through the Discom Periphery from Roof Top or any other project taken up by MANIREDA and to be reflected to ARR.

Further the Chairperson advised to make an agreement (PPA) between MSPDCL, prosumers and MANIREDA as per MoP's guidelines for Renewable Purchase Obligation (RPO).

MIZORAM

13th Meeting of State Co-ordination Forum, Mizoram washeld on 15th December, 2020 at DOCC Hall, Kawlphetha Building, MINECO. The following agenda were discussed:

1. Case study of 11kV line to compare 11kV energy input versus Billed energy from consumer of the same period
 - a) From each 33kV substation in District Headquarters
 - (i) Heavies 11kV feeder (one feeder) each.
 - (ii) Medium loaded 11kV feeder (one feeder) each.
 - (iii) P&ED complex/colony feeder (if available) each.
 - (b) From each 33kV substation outside District Headquarters or Rural Areas
 - (i) Heaviest loaded 11kV feeder (one feeder) each.
 - (ii) Medium loaded 11kV feeder (one feeder) each.
2. Importance of installation of Import/export energy meters and directional indicating meters for proper Division/Circle wise energy accounting at:
 - a) All 132kV and 33kV substations which where bi-directional flow of energy is possible to & from Hydro Generating stations.
 - b) Installation of Import/Export Energy meters and direction indicating meters at 132kV and 33kV ring system or those lines which are being used as Ring system.
3. Measures for improvement of Revenue Collection other than Raising of Tariff viz:
 - a) Proper re-categorization of consumers.
 - b) Vigilance of contracted load of consumers and implementation of latest amendment of supply code clause 6.28.
 - c) Treatment of Mix load as per tariff guideline clause 1.11.
4. Computerization of billing and its further programmes for adopting prepaid metering with smart meters.
5. Levying/inclusion of GST in electricity bills.
6. Progress of hydel project and programmes in the near future.
7. Transmission and Transformation status & Programmes on going and in the near future.

4. **TARIFF ORDERS**

For the eighth time, the Commission issued tariff ARR for MYT period 2018 - 2019 to 2022 – 2023 for the Manipur State Power Company Limited (MSPCL), Manipur State Power Distribution Company Limited (MSPDCL) and Power & Electricity Department,

Government of Mizoram respectively. The tariff orders shall remain effective from 1.4.2018 till the next tariff orders are issued.

5. MEMBERSHIP OF THE FORUM OF REGULATORS FORUM OF INDIAN REGULATORS AND FORUM OF REGULATORS FOR EASTERN AND NORTH EASTERN STATE

The Forum of Regulators (FOR) was constituted by the Government of India where all Chairpersons of SERCs are only the members as per provisions of the Electricity Act, 2003, the Forum of Indian Regulators (FOIR) was constituted under the societies Act where all Chairpersons and Members of SERCs are the member of the FOIR. The Secretariat of the FOR and FOIR located at the Central Electricity Regulatory Commission, New Delhi. The Forum provides avenue for exchange of views and information among Indian Electricity Regulators and preparation of common ground and agenda in respect of various regulatory issues. The Forum of Regulators for Eastern and North Eastern States is a Society for the Eastern and North Eastern States Regulatory Commission 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. This can be changed on rotational basis every year as decided by the Members.

The Annual subscription for Membership of the Forum of Indian Regulators is Rs. 100,000.00 for Forum of Regulators is Rs. 300,000.00 and for Forum of Regulators for Eastern and North Eastern States is Rs. 100,000.00 respectively.

The Annual subscription for FOR, FORENS and FOIR are paid upto 2018-2019.

6. ESTABLISHMENT OF COMMISSION FUND

1) Section 102 of Electricity Act, 2003: Grants and Loans by the State Government:-

The State Government may, after due appropriation made by Legislature of a State in this behalf, make to the State Commission grants and loans of such sums of money as that Government may consider necessary.

2) Section 103 of Electricity Act, 2003: Establishment of Fund by the State Government:-

There shall be constituted a Fund to be called the State Electricity Regulatory Commission Fund and shall be credited thereto-

- a) any grant and loan made to the State Commission by the State Government under section 102;
 - b) all fees received by the State Commission under this Act;
 - c) all sums received by ;the State Commission from such other sources as may be decided upon by the State Government.
- 3) The Fund shall be applied for meeting:-
- a) The Salary, Allowances and other remuneration of the Chairperson, Members, Secretary, officers and other employees of the State Commission;
 - b) The expenses of the State Commission in discharge of its functions under Section 86;
 - c) The expenses on objects and for purposes authorized by this Act,
- 4) The State Government may, in consultation with the Comptroller and Auditor – General of India, prescribed the manner of applying the Fund for meeting the expenses specified in clause (b) or clause (c) of sub-section (2).
- 5) The Commission, JERC(M&M) is at present functioning with the Government grant to meet the expenditure on salary and other establishment expenditure. Audit of the Annual Accounts have been conducted by the office of the Principal Accountant General, Mizoram as per Fund Rules of the Commission notified by Government of India

7. REGULATORY DISPUTES

No Regulatory dispute was encountered by the Commission during the year under Report.

8. CONSUMER GRIEVANCE REDRESSAL FORUM (CGRF)

As required by the proviso (5) of the Section 42 of the Electricity Act, 2003, the Commission has already notified Regulations on Consumer Grievance Redressal directed the State Power Department to set up Internal Grievance Redressal Cell (IGRC) and Consumer Grievance Redressal Forum (CGRF) at suitable locations and also to draw the awareness of all consumers of Grievance Redressal mechanism through wide publication in the local newspapers.

Accordingly, both the distribution Utilities of Manipur and Mizoram have set up one CGRF for each of the States at their respective head offices in Imphal and Aizawl respectively and made them functional.

In addition, IGRC(s) have also been set up at different places of Manipur and Mizoram.

9. ELECTRICITY OMBUDSMAN

As provided by the sub-section 6 of section 42 of the Electricity Act 2003 and as required by Regulation 3(2) of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Electricity Ombudsmen) Regulations, 2010, Mr. LalchharlianaPachau, Member of the Commission has been designated as Electricity Ombudsman for Manipur and Mizoram as an Interim-arrangement.

No Complains/Petitions have been filed to the electricity Ombudsmen during the period under Report.

10. ACTIVITIES OF THE COMMISSION

As per the functions of the Commission specified under Section 86 of the Electricity Act 2003, the following are the main activities of the Commission during the year.

Section of EA 2003	Functions specified	Activities during the year
86(1)(a)	Determination of tariff for generation, supply, transmission and wheeling of electricity	Tariff orders issued for both Manipur & Mizoram
86(1)(b)	Regulation of electricity purchase and procurement process of distribution licensee	Regulations made and notified
86(1)(c)	Facilitation of intra state transmission and wheeling of electricity	Transmission and Wheeling charges are determined in tariff order for Mizoram and yet to be determined for Manipur.
86(1)(d)	Issue of licence	There are two deemed licensees in the States of Manipur i.e. P&E Deptt, Mizoram and Electricity Deptt Manipur besides trading licence in both the States

86(1)(e)	Promotion of co-generation and renewable sources of energy	RPO has been fixed for the distribution licensees / captive / open access consumers. REC is introduced
86(1)(f)	Adjudicate upon disputes	No disputes received
86(1)(g)	Levy of fee	Fee as per the provisions of the Regulations is being collected
86(1)(h)	Specify State Grid Code	The existing State Grid Code is under modification
86(1)(i)	Enforcement of Standards	The quality, continuity and reliability of services by licensees are being monitored on a regular basis
86(1)(j)	Advisory Role	State Advisory Committee and Co-ordination Forum meetings are held regularly
86(1)(k)	Ensuring transparency in the functioning of the Commission	Public hearing and written comments / suggestion are invited in respect of petitions filed for tariff revision and issue of other important orders and Regulations
86(1)(l)	Commission to be guided by NEP and Tariff Policy	The Commission has been following the broad guidelines, provisions of NEP and Tariff Policy in discharge of its mandated functions

11. LEGAL INFORMATION

The Commission subscribed law journals/reports/Collected CDs to update information on latest judicial precedents/legislative developments. It gathered relevant information on Acts, Rules, Regulations and Orders on legal and regulatory matters relating to electricity. Relevant Orders of High Courts, Supreme Court, Central Electricity Regulatory Commission (CERC), Appellate Tribunal for Electricity (ATE), Rules and Notifications of Govts. of Manipur, Mizoram and Govt. of India.

12. DISTRICT ELECTRICITY COMMITTEE

The Commission requested the State Governments of Manipur and Mizoram to constitute District Electricity Committee as per Section 166 (5) of the Electricity Act, 2003. The relevant section is quoted as below:

Section 166 (5): There shall be a committee in each district to be constituted by the Appropriate Government-

- (a) to coordinate and review the extension of electrification in each district;
- (b) to review the quality of power supply and consumer satisfaction;
- (c) to promote energy efficiency and its conservation.

13. STATE LOAD DESPATCH CENTRE TO FUNCTION AS INDEPENDENT SYSTEM OPERATION (ISO)

Section 31 and 32 of the Electricity Act, 2003 contemplate SLDC as an Independent Apex Body to ensure integrated operation of the power system in the State. The Act also provides for financial independence of SLDC under Section 32 (3) by way of levy and collection of fees and charges from generating companies and the licensees using the Intra-State transmission network, Joint Electricity Regulatory Commission for Manipur and Mizoram formulated, the Joint electricity Regulatory Commission for Manipur & Mizoram (Fees and Charges of SLDC and other Related matters) Regulations, 2010 for implementation of levy of annual fee and charges for SLDC functions in Manipur & Mizoram.

The Manipur State Government has established the SLDC as an independent entity by segregating from the State Transmission Utility (MSPCL), Manipur in the form of “Manipur State Load Despatch Society” to give effect to the provisions of The Electricity Act, 2003 and Clause 4 (1) (a) of the Transfer Scheme 2013 in respect of Manipur State Electricity Reforms Transfer Scheme, 2013.

The society will be called “Manipur State Load Despatch Centre” and will be registered under Manipur Societies Registration Act.

At present Mizoram Govt. has not established an independent SLDC as far. But SLDC is being set up and the basic functioning has started under the control of one Superintending Engineer of Power & Electricity Department.

CHAPTER –III

1. HUMAN RESOURCE DEVELOPMENT

During the period reported, the Commission and its Officer have attended various Capacity Building Training and Meeting at various venues conducted by FOR, etc. The list of the Meetings, Seminars, etc attended is at Annexure.

2. ACCOUNTS OF THE COMMISSION

The Commission received fund as Grant-in-Aid amounting to Rs78,49,732- from the State Governments of Manipur and Mizoram for utilization during April, 2020 to March, 2021.

The details Statement of Receipts and Payments thereof are as below:

RECEIPTS & PAYMENTS ACCOUNT FOR THE PERIOD FROM APRIL, 2020 TO MARCH, 2021 (GIA)

S/N	Receipts	Amount (Rs.)	S/N	Payment	Total Amount Drawn (Rs)	Adjustment in reduction of Expenditure	Actual Expenditure
	To-			By-			
1	Opening Balance		1	Advertisement & Publicity	2,70,660.00		2,70,660.00
	(i) On Cash Book/ Bank balance as on 01.04.2020	21340575.3	2	Bonus / CEA	2,70,000.00		2,70,000.00
			3	Books	1,400.00		1,400.00
			4	Consultancy	20,14,560.00		20,14,560.00
	(ii) Cash in hand		5	Electricity & Power	29,314.00		29,314.00
			6	Expenses on Fees	6,29,926.00		6,29,926.00
	Deposit of un used advanced sanctions under Workshop & Seminars (dt.23.4.20)	33,168.00	7	Furnitue & Fixtures	0.00		0.00
			8	Insurance	87,495.00		87,495.00
			9	L/F for Quarters retention	2,200.00		2,200.00
			10	Leave Travel Concession	6,68,000.00		6,68,000.00
			11	Machinery & Equipment	90,917.00		90,917.00
	GIA-SAL(2nd Qtr.) received from Govt. of Mizoram on 01.09.20	23,60,732 .00	12	Medical Reimbursement	5,21,850.00		5,21,850.00

		28,36,182.00	13	Motor Vehicle	0.00	0.00
		30,02,000.00	14	Newspapers & Periodicals	9,000.00	9,000.00
		27,16,000.00	15	Other Office Expenses	1,39,226.00	1,39,226.00
			16	Pension & Leave Salary Contr.	0.00	0.00
	GIA Non- SAL (2nd Qtr.) received from Govt. of Mizoram on 18.09.20	12,51,000.00	17	Petroleum Oil & Lubricants	5,72,250.00	5,72,250.00
			18	Postage	15,318.00	15,318.00
			19	Printing	2,40,800.00	2,40,800.00
			20	Repair & Maintenance		
3	GIA (2nd Qtr.) received from Govt. of Manipur on 04.11.20	39,25,000.00		i. Building	0.00	0.00
				ii. Furniture & Fixtures (F&F)	0.00	0.00
				iii. Machinery & Equipment (M&E)	71,890.00	71,890.00
			21	Retirement & Terminal Benefit	4,73,665.00	4,73,665.00
			22	Seminar & Workshop	87,723.00	87,723.00
			23	Stationery	1,29,255.00	1,29,255.00
4	Deposit of access sanction for payment of office telephone bills for October, 2020 on 08.12.20	2,664.00	24	Subscription Fee	14,978.00	14,978.00
			25	Telephone & Communication	1,47,553.00	1,47,553.00
			26	Travelling Expenses (Domestic)	1,48,101.00	1,48,101.00
			27	Vehicle Running & Maintenance	5,04,565.00	5,04,565.00
5	GIA (3rd Qtr.) received from Govt. of Mizoram on 18.12.2020	3,13,000.00	28	Wages	30,92,120.00	30,92,120.00
				Pay and allowances:		
6	"Recovery of unutilize	3,20,000.00		1. Chairperson & Member	47,77,062.00	47,77,062.00
		38,599.00		Licence fee for Quarter	4,400.00	4,400.00
				Recovery(for deferment)	39,070.00	39,070.00
				2. Officers & Staff	1,34,26,372.00	1,34,26,372.00
				Remittance : -		
				i. Licence fee for Quarter	4,800.00	4,800.00
				ii. NPS Contribution	9,25,264.00	9,25,264.00
				iii. NPS Matching Share	9,25,264.00	9,25,264.00
				iv. Recovery(as Deferment)	47,833.00	47,833.00
				v. GPF @ 5000 & Impd. DA @ 4245	10,913.00	10,913.00
				vi. HBA (P)	4,000.00	4,000.00
				vii. HBA / LIC (I)	29,223.00	29,223.00
				viii. IF @ 210/- & SF @ 90/-	300.00	300.00

			29	Recovery of Internal loans	0.00		0.00
			30	Bank charges (if any)	826.00		826.00
				Total	3,04,28,093.00	0.00	3,04,28,093.00
				"(Less) for Cheque No. 187023 of 30.03.2020 in favour of ASCI			0.00
				Bank Balance			0.00
				Cash Balance			0.00
	GRAND TOTAL	5,48,35,102.50		GRAND TOTAL			3,04,28,093.00

3. REGULATION

In exercise of the power conferred under sub-section (2) of Section 181 of the Electricity Act, 2003, the Commission has so far published 43 (Forty three) Nos of Regulations in the State gazettes of Manipur and Mizoram. As required by the Electricity Act, 2003 each of these Regulations was notified and kept open for obtaining views and suggestions from interested groups and individuals, before they are finally published. The lists of regulations so far notified are indicated at Annexure.

CHAPTER – IV

BASIC ELECTRICITY STATISTICS

Table-I : Category wise Consumers and Connected load

MANIPUR

Sl. No	Category	2017-2018		2018-2019		2019-2020		2020-2021	
		No. of Consumer	Connected Load (Kw)	No. of Consumer	Connected Load (Kw)	No. of Consumer	Connected Load (Kw)	No. of Consumer	Connected Load (Kw)
1	2	3	4	5	6	7	8	9	
1	Domestic	347988	473174	470002	714440	473161	718998	473765	712813
2	Commercial	15196	38999	24128	102871	24481	109198	26308	108108
3	Public Lighting	441	1144	441	1144	462	1201	392	1199
4	Public Water Works	184	15035	201	15923	209	15980	221	15937
5	Irrigation and agriculture	64	742	66	1030	74	1077	72	1038
6	Small Industry	2317	18845	2317	18845	2367	19261	2126	20233
7	Medium Industry	73	1095	44	2325	80	4217	170	4198
8	Large Industry	27	3993	27	8573	38	12075	39	12171
9	Bulk Supply	718	28726	430	54122	388	48839	379	48640
	Total	367008	581753	497656	919273	501260	930846	503472	924337

MIZORAM

Sl. No	Category	2016-2017		2017-2018		2018-2019		2019-2020	
		No. of Consumer	Connected Load (Kw)	No. of Consumer	Connected Load (Kw)	No. of Consumer	Connected Load (Kw)	No. of Consumer	Connected Load (Kw)
1	2	3	4	5	6	7	8	9	
1	Domestic	206397	282637	217151	267199	233009	287711	243488	291285
2	Non-domestic					5868	12517	6925	15148
3	Commercial	18570	56584	15873	62605	12031	46878	12064	44594
4	Public Lighting	1322	1047	1283	921	1192	892	1244	912
5	Irrigation and agriculture	22	105	23	38	39	235	37	277
6	Public Water Works	61	38482	64	47506	70	46396	79	79557
7	LT Industrial	818	4156	1151	10447	1032	5319	1034	4997
8	HT Industrial	19	8862	15	8958	18	6731	23	5425
9	Bulk Supply	287	17656	49	10409	89	8008	198	53926
	Total	227496	409529	235609	408083	253348	414687	265092	496121

Source : Tariff Petitions & Tariff Orders

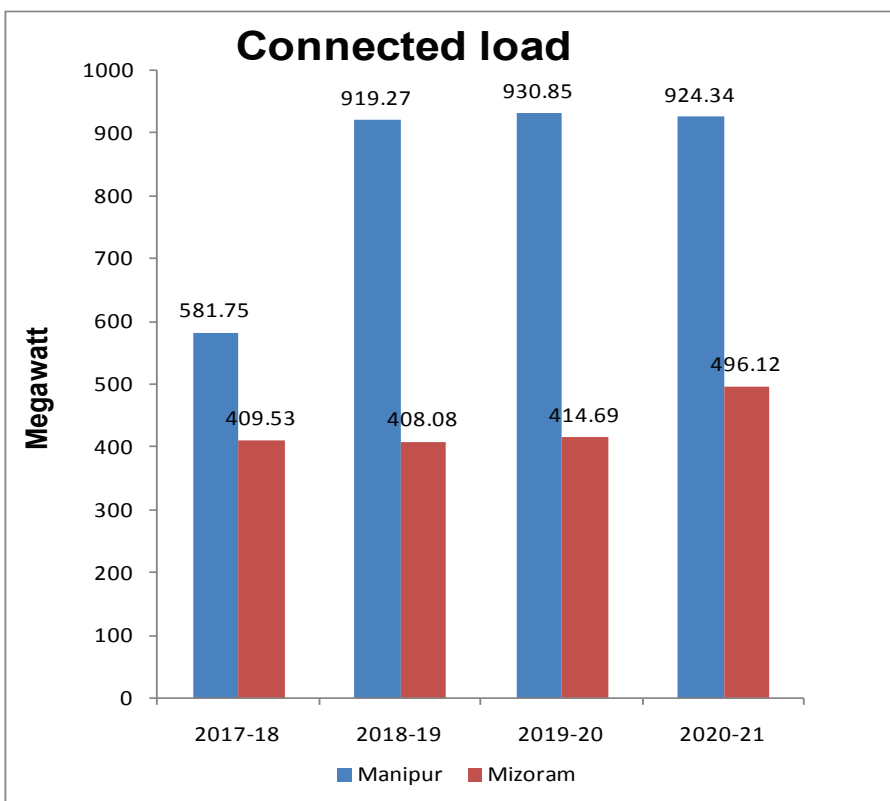
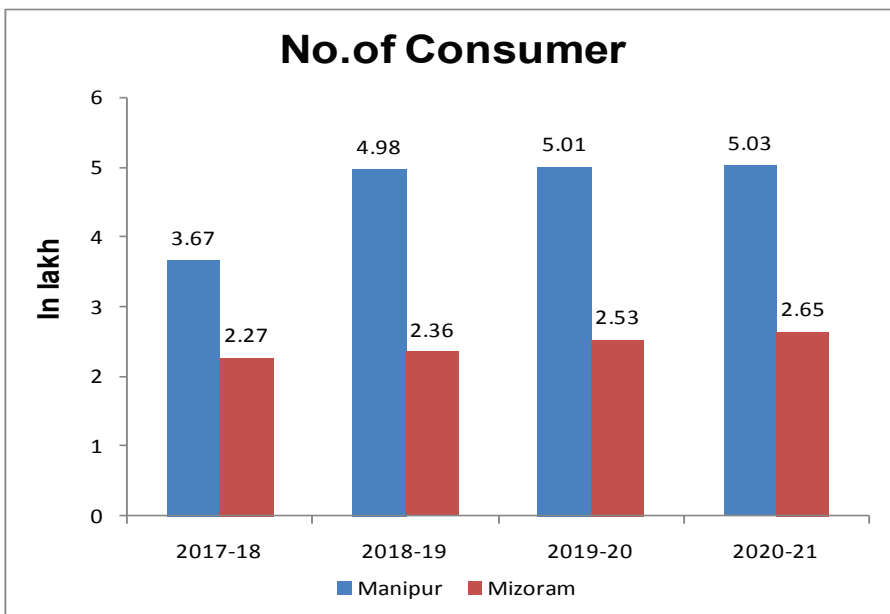


Table-II : Growth of Energy Consumption

Figures in MU

Sl. No.	Category	2017-18	2018-19	2019-20	2020-21
		(Actual)	(Actual)	(Actual)	(Actual)
1	2	3	4	5	6
A. Manipur					
1	Domestic	385.58	385.76	418.57	453.16
2	Commercial	44.79	74.84	82.41	83.44
3	Public Lighting	5.00	3.62	3.58	3.62
4	Public Water Works	18.00	21.54	22.56	23.64
5	Irrigation and Agriculture	2.18	1.88	1.86	1.88
6	Small Industry	18.00	19.68	21	21.63
7	Medium Industry	4.00	3.99	4.23	4.36
8	Large Industry	6.00	7.43	8.79	9.67
9	Bulk Supply	98.59	78.21	86.03	90.33
10	Temporary Power Supply	0	0	0	0
	Total (A)	582.14	596.95	649.03	691.73
B. Mizoram					
1	Domestic	249.93	227.97	296.33	283.44
2	Non-domestic			9.56	8.45
3	Commercial	36.11	61.04	48.3	44.27
4	Public Lighting	4.89	2.67	2.11	2.11
5	Public Water Works	52.04	68.57	64.29	82.45
6	Irrigation and Agriculture	0.28	0.22	0.14	0.16
7	Industrial(LT)	1.64	3.41	2.96	4.06
8	Industrial(HT)	9.27	10.94	7.96	5.54
9	Bulk Supply	17.49	12.69	54.44	13.92
10	Temporary Power Supply	0.00	0.23	0.33	0.53
	Total (B)	371.65	387.74	486.42	444.93

Source : Tariff Orders

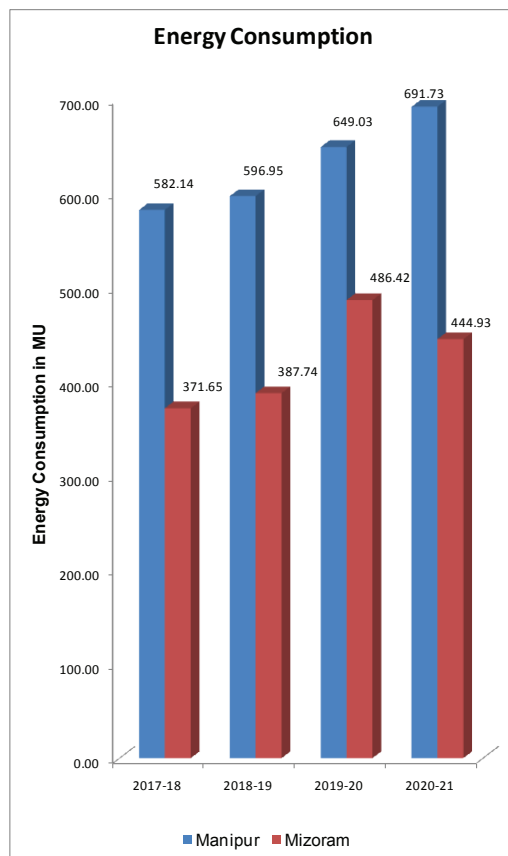


Table-III : Growth of Per Capita Consumption of Electricity (based on energy sold)

Sl. No	Year	Population at the end of DY (No.)	Mid-Year Population (No.)	Energy consumption (MU)	Per Capital Consumption (kWh/head/annum)
1	2	3	4	5	6
A	MANIPUR				
1	2012-13	2824224	2798371	379.06	135.46
2	2013-14	2876896	2850560	415.09	145.62
3	2014-15	2930550	2903723	442.30	152.32
4	2015-16	2985205	2957878	474.98	160.58
5	2016-17	3040879	3013042	511.92	169.90
6	2017-18	3097591	3069235	582.14	189.67

7	2018-19	3155361	3126476	596.95	190.93
8	2019-20	3214208	3184785	649.03	203.79
9	2020-21	3274153	3244181	691.72	213.22

Note: Population is worked out based on Decadal growth rate of 18.65% as per Census 2011.

A	MIZORAM				
1	2012-13	1141286	1128577	286.59	253.94
2	2013-14	1167284	1154285	302.42	262.00
3	2014-15	1193875	1180580	327.21	277.16
4	2015-16	1221071	1207473	339.20	280.92
5	2016-17	1248887	1234979	353.55	286.28
6	2017-18	1277337	1263112	371.65	294.23
7	2018-19	1306435	1291886	387.74	300.13
8	2019-20	1336196	1321316	486.42	368.13
9	2020-21	1366635	1351416	444.93	329.23

Note: Population is worked out based on Decadal growth rate of 22.78% as per Census 2011.

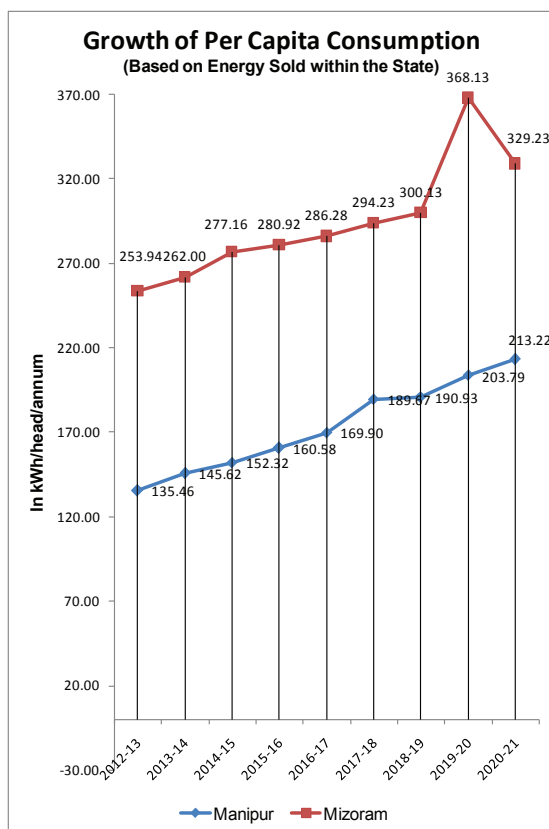
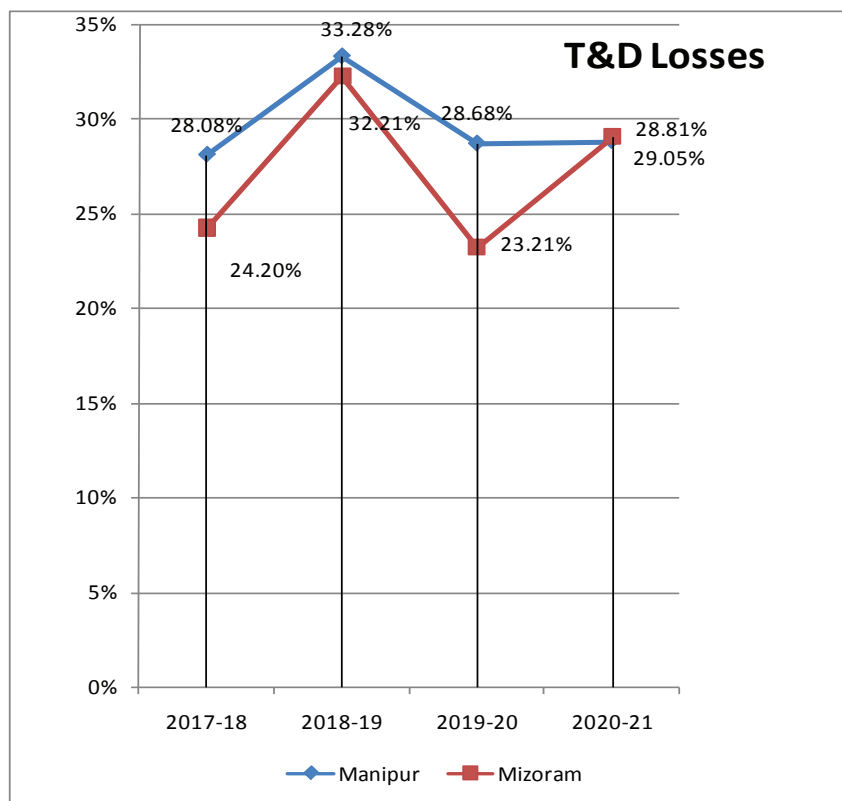
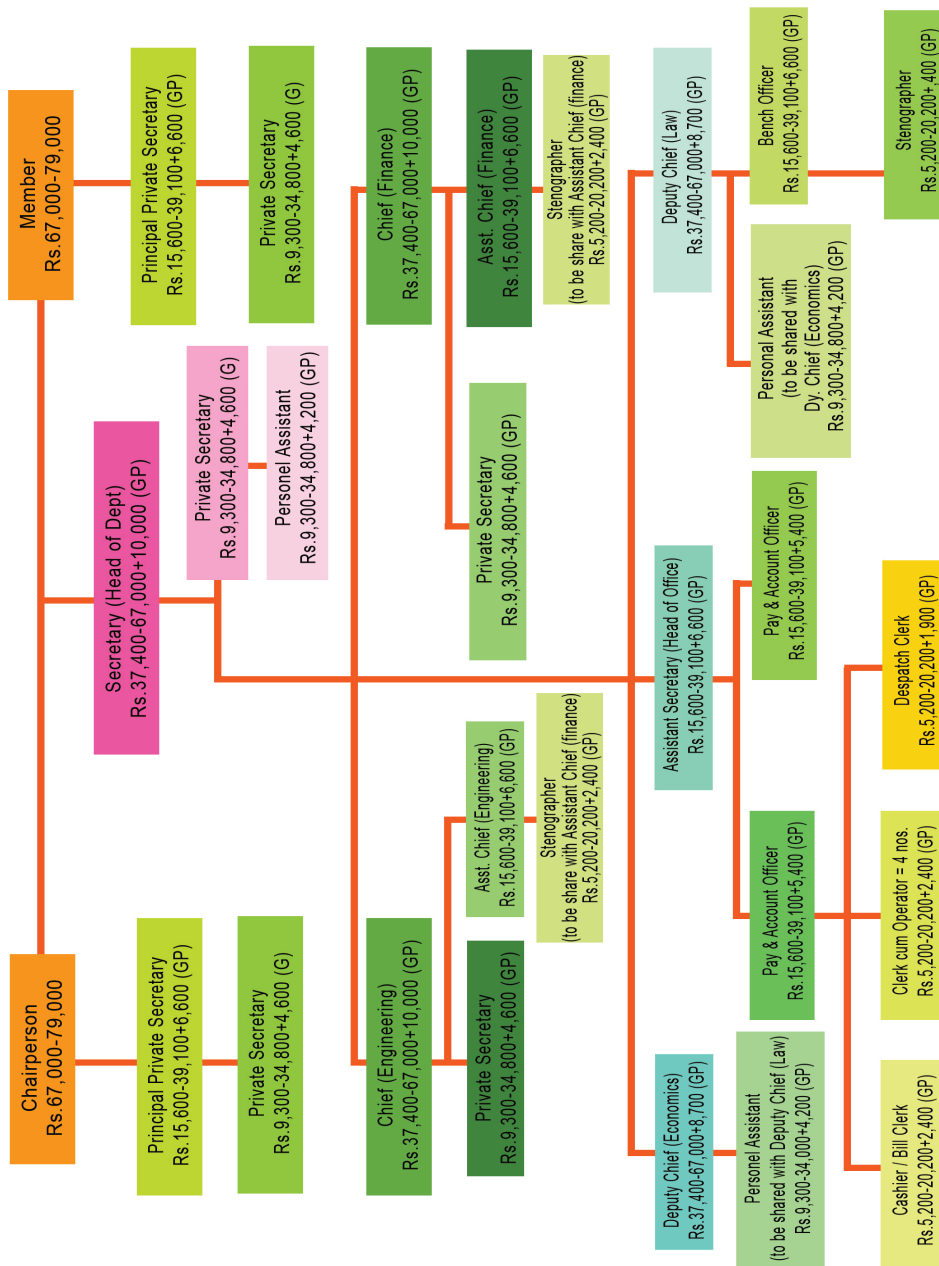


Table-IV: Trend of Transmission & Distribution Losses

Sl. No	Particulars	2017-18	2018-19	2019-20	2020-21
1	2	3	4	5	6
A. MANIPUR					
1	Energy import at State periphery	809.44	894.76	909.99	971.66
2	Energy sold within the State	582.14	596.95	649.03	691.73
3	T&D Losses	227.30	297.81	260.96	279.93
4	Percentage T&D Losses	28.08%	33.28%	28.68%	28.81%
B. Mizoram					
1	Energy import at State periphery	490.32	571.98	633.41	627.06
2	Energy sold within the State	371.66	387.74	486.42	444.93
3	T&D Losses	118.66	184.24	146.99	182.13
4	Percentage T&D Losses	24.20%	32.21%	23.21%	29.05%

Source : Tariff Orders





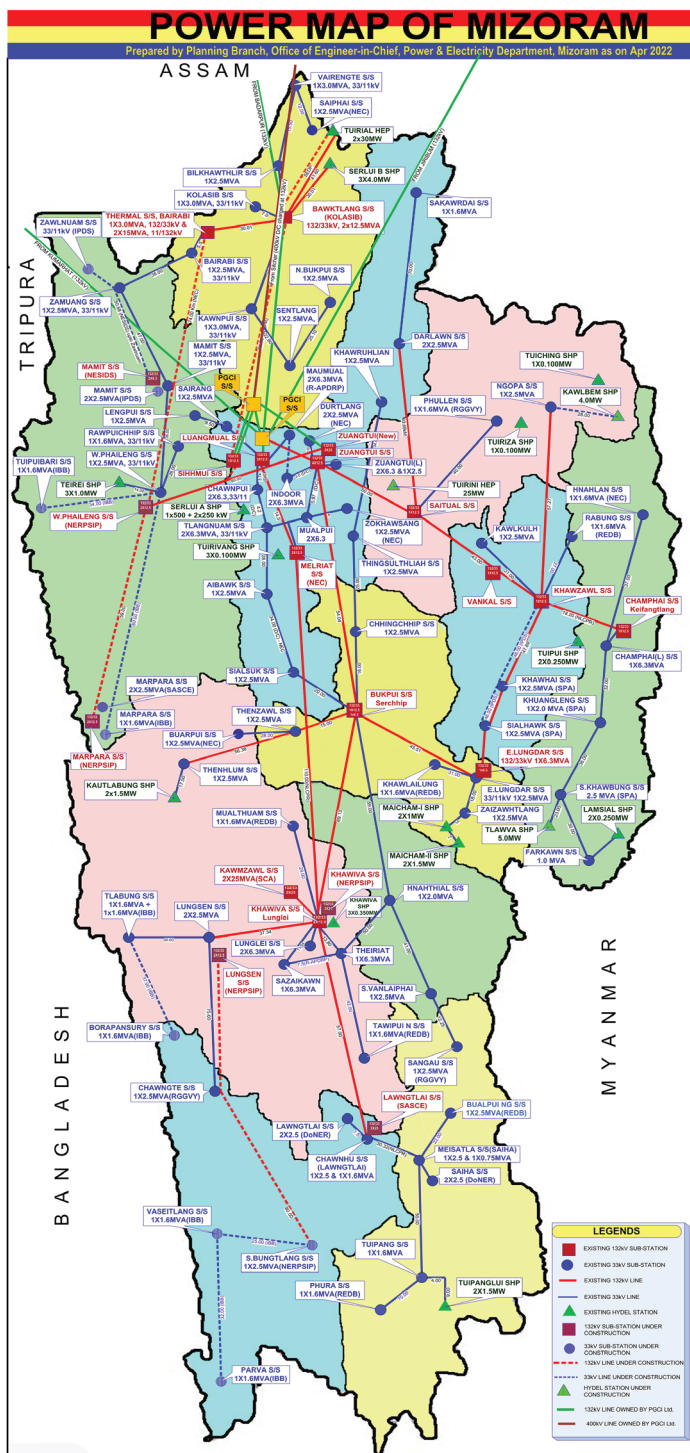
Annexure

**TRAINING, SEMINARS AND MEETINGS ATTENDED,
1st APRIL, 2020 - 31st MARCH 2021**

Sl. No.	Name and Designation	Particulars of Programme	Duration	Venue
1	Mr. Richard Zothankima, Assistant Secretary	Three Months online Certificate Course- "Regulatory Governance"	October, 2020- January, 2021	IICA, Delhi
2	Mr. H. Thanthianga, Assistant Chief (Engineering)	Three Months online Certificate Course- "Regulatory Governance"	October, 2020- January, 2021	IICA, Delhi

POWER MAP OF MIZORAM

Prepared by Planning Branch, Office of Engineer-in-Chief, Power & Electricity Department, Mizoram as on Apr 2022

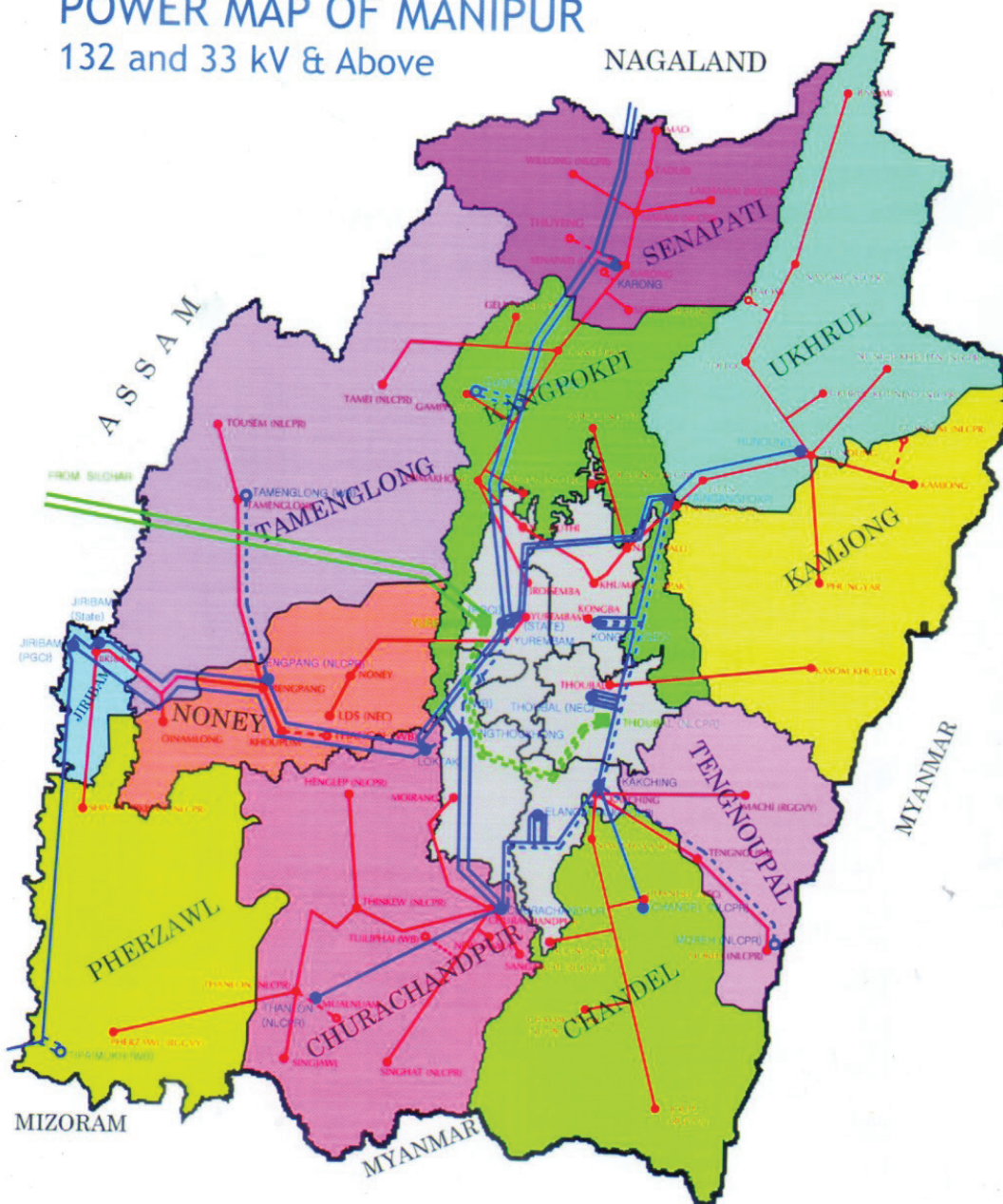




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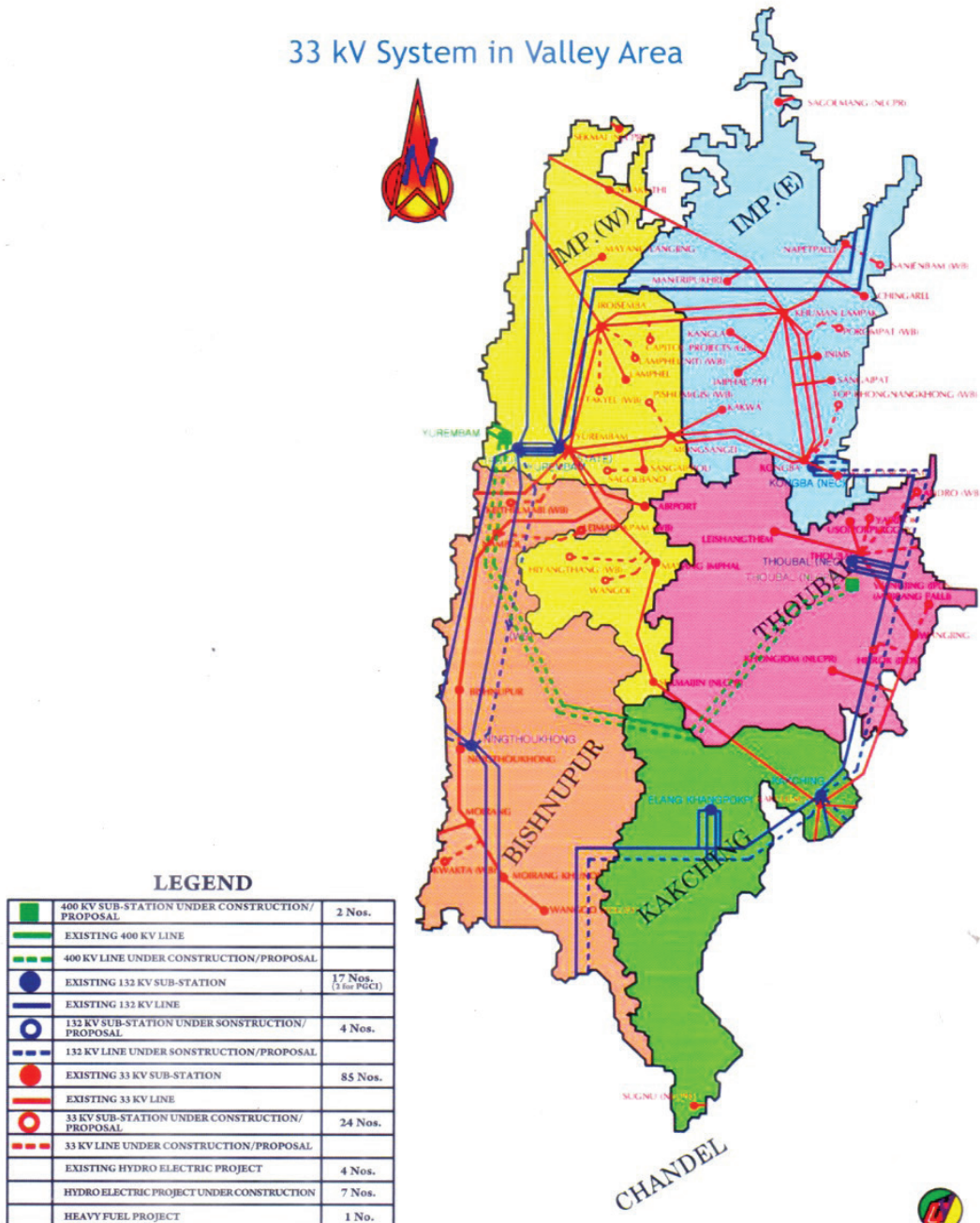
POWER MAP OF MANIPUR

132 and 33 kV & Above



Annexure

33 kV System in Valley Area



Annexure

NOTIFIED REGULATIONS

1. Adaptation of Law & Order, Regulations, 2008
 - (i) Confidential Report, 2nd Order, 2008,
 - (ii) Disiplinary Proceeding & Important of Penalties, 1st Order, 2008,
 - (iii) Medical Facility, 3rd Order, 2008,
2. Recruitment Control & Services Condition Officers & Staffs, Regulations, 2008,
3. Appointment of Consultants, Regulations, 2009,
4. Standard of Performance for Distribution and Transmission Licensees, Regulations, 2010
5. Procedure Terms & Conditions for Grant of Distribution Licence and other Related Matters, Regulations, 2010,
6. Consumer Grievance Redresal, Regulations, 2010,
7. Terms & Conditions for Tariff Determination from Renewable Energy Sources, Regulations, 2010
8. Renewable Purchase Obligation and its Compliance, Regulations, 2010,
9. Conduct of Business, Regulations, 2010,
10. Citizens Charter, Regulations, 2010,
11. Electricity Ombudsman, Regulation, 2010,
12. Constitution of SAC & Its Functions, Regulations, 2010,
13. Procedure, Terms & Condition for Grant of Intra-State Trading License & Other Related Matter, Regulations, 2010,
14. Terms & Conditions for open Access, Regulations, 2010,
15. Fees, Fine and Charges, Regulations, 2010,
16. Procedure, Terms & Conditions for Payment of Fees and Charges to State Load Despatch Centre and Other Related Provisions, Regulations, 2010,
17. Electricity Supply Code, Regulations, 2010

18. Compliance Audit, Regulations, 2010,
19. Terms & Conditions for Determination of Tariff, Regulations, 2010
Appendix - A - Thermal,
Appendix - B - Hydro,
Appendix - C - Transmission,
Appendix - D - Distribution,
20. Electricity Ombudsman (First Amendment) Regulations, 2010
21. Grid Code, Regulations, 2010
22. Power Purchase and Procurement, Regulations, 2012
23. Demand Side Management, Regulations, 2012
24. Electricity Supply Code, Regulations, 2013
25. Standard of Performance for Distribution and Transmission Licensees, Regulations, 2014
26. Multi Year Tariff, Regulations, 2014
Appendix- A (Format) Generation Business
Appendix- B (Format) Distribution-Income Tax C.
Appendix- C (Formats) Distribution- Total Business.
Appendix- D (Formats) Distribution- Wheeling Business.
Appendix- E (Formats) Distribution- Retail Supply Business.
27. Grid Code (First Amendment) Regulations, 2014
28. Terms & Conditions for Tariff Determination from Renewable Energy Sources (First Amendment) Regulations, 2014
29. Electricity Supply Code (First Amendment) Regulations, 2014
30. Electricity Supply Code (Second Amendment) Regulations, 2015
31. Electricity Supply Code (Third Amendment) Regulations, 2016
32. Fees, Fines and Charges (First Amendment) Regulations, 2016 Statement of Reasons (SoR)
33. Forecasting, Scheduling, Deviation Settlement and Related Matters of Solar and Wind Generation Sources, Regulations, 2016



34. Electricity Supply Code(Fourth Amendment)Regulations,2016
35. Metering for Grid Connected Renewable Energy, Regulations,2016 Statement of Reasons
36. Electricity Supply Code(Second Amendment)Regulations,2015
37. Electricity Supply Code(Fifth Amendment)Regulations,2016
38. Electricity Supply Code(Sixth Amendment)Regulations,2016
39. Metering for Grid Connected Renewable Energy(First Amendment), Regulations, 2016
40. Consumer Grievance Redressal,Regulations,2016
41. Electricity Supply Code(Seventh Amendment)Regulations,2016
42. Electricity Supply Code(Eight Amendment)Regulations,2017
43. Adaptation of Central Electricity Regulatory Commission(CERC), Renewable Energy,Regulations,2014
44. Electricity Supply Code(Ninth Amendment)Regulations,2017
45. State Advisory Committee & Its Functions, Regulations,2018 (First Amendment)
46. Electricity Supply Code(Tenth Amendment)Regulations,2018
47. Multi Year Tariff(First Amendment) Regulations,2019
48. Electricity Supply Code(Eleventh Amendment) Regulations,2019
49. Electricity Supply Code(Twelfth Amendment)Regulations,2019
50. Electricity Supply Code(Thirteenth Amendment)Regulations,2019
51. Joint Electricity Regulatory Commission for Manipur and Mizoram (Fees, Fines and Charges) (Second Amendment Regulations, 2020)
52. Joint Electricity Regulatory Commission for Manipur & Mizoram (Recruitment, Control and Service condition of Officers and Staff) (First Amendment) Regulation, 2021.