



# **ANNUAL REPORT**

## **2011 - 2012**

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



## CHAIRPERSON'S STATEMENT

Institution of Joint Electricity Regulatory Commission for the States of Manipur and Mizoram has been gaining roots in these two States since its existence on 24th January, 2008. The Commission has been playing a pivotal role in establishing the credibility of responsible and transparent services of the State's power utilities within the regulatory framework.

Till now the meager demands of these two tiny States could not be met from the allocated shares of the Central Sector Projects located in the North Eastern region. The Commission allowed to purchase more power from other sources to meet their requirements. Whereas Mizoram could manage to supply 20 hours a day by purchasing additional power from Eastern grid the situation in the State of Manipur is aggravated. The general consumers are given electricity for only 6 hours a day.

Energy consumptions in both the States are also very small. On the other hand the employee costs are considerably high. The costs of power are therefore found to be very high and are beyond the paying capacity of the consumers. Accordingly, the State Governments subsidise the tariff very heavily. There is also a necessity for a sizeable amount of investment in Infrastructure Developments of the power sector in these States because of the geographically hilly terrain and spread of demography to fulfill social obligations.

The Joint Electricity Regulatory Commission for Manipur and Mizoram has played a significant role in reducing AT&C loss. The data received from the utilities reveals that the Technical and Commercial losses

are very high. The Commission analysed this issue in depth, consulted the utilities and confirmed that the main cause of the loss is due to theft of energy. Commission has prescribed theft control measures to prevent theft of energy and also highlighted the grey areas where the maximum losses occur.

I take this opportunity to express gratitude of the Commission towards the stakeholders for their support in carrying forward the regulatory initiatives. I would also like to convey my sincere gratitude to Member, Officers and Staff of the Commission, Power & Electricity Department, Mizoram, Electricity Department, Manipur, Members of the State Advisory Committee and NGOs for their active co-operation and participation. The Commission looks forward to continued support in future.



**(H. Bihari Singh)**

Chairperson

Aizawl, the 28<sup>th</sup> September, 2012

# TABLE OF CONTENTS

Chairperson’s Statement .....	(iii)
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## Chapter - I

INTRODUCTION .....	1
1. Power Sector Reforms .....	1
2. The Commission .....	1
3. The Mission .....	2
4. Mandate of the Commission .....	2
5. The Commission & the Utilities .....	4
6. Commission's Office .....	5
7. Organization Chart .....	5

## Chapter - II

ACTIVITIES OF THE COMMISSION (2011-2012) .....	5
1. Constitution of State Advisory Committee (SAC) .....	5
2. Meeting of the State Advisory Commission .....	6
2.1 Manipur Chapter .....	7
2.2 Mizoram Chapter .....	10
3. State Co-ordination Forum & its Activities .....	12
3.1 Manipur Chapter .....	13
3.2 Mizoram Chapter .....	14
4. Organizing Interactive Workshop on Consumer Awareness .....	15
5. Tariff Orders .....	17
6. Fund for the Commission .....	18
7. Land Allotment for Office Accommodation .....	19
8. Capacity Building Programmes and Others .....	19

**Chapter - III**

PERFORMANCE STANDARDS .....	22
1. Number and Type of Complaints attended and balance to be attended .....	22
2. Percentage of Performance achieved on overall Standards .....	24

**Chapter - IV**

BASIC ELECTRICITY STATISTICS .....	25
Table-I : Progress of Rural Electrification .....	25
Table-II : Growth of Energy Consumption .....	26
Table-III : Growth of Per Capita Consumption of Electricity .....	27
Table-IV : Trend of Transmission & Distribution Losses .....	28
Table-V : Impact of Man power on Tariff .....	28

**Chapter - V**

ANNUAL ACCOUNTS .....	29
1. Account .....	29

**Chapter - VI**

OUTCOME OF THE REGULATORY PROCESS .....	31
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**Chapter VII**

WORK PLAN OF THE YEAR AHEAD .....	32
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**ANNEXURES**

I : Organisation Chart of JERC for M&M .....	33
II : Gazette Notification No. 369 Imphal, July 6th, 2011 .....	34
III : Gazette Notification No. 780 Imphal, January 19th, 2012 .....	36
IV : Tariff Schedule Applicable for 2011-2012 .....	37

# CHAPTER - I

## INTRODUCTION

### 1. Power Sector Reforms

The process of accelerated reforms in the Power Sector was initiated primarily with the enactment of the Electricity Act, 2003. It is -

“An Act to consolidate the laws relating to generation, transmission, distribution, trading and use of electricity and generally for taking measures conducive to development of electricity industry, promoting competition there-in, protecting interest of consumers and supply of electricity to all areas, rationalization of electricity tariff, ensuring transparent policies regarding subsidies, promotion of efficient and environmentally benign policies, constitution of Central Electricity Authority, Regulatory Commissions and establishment of Appellate Tribunal and for matters connected there-with or incidental there-to.”

### 2. The Commission

The State Electricity Regulatory Commission is a mandatory requirement under the Electricity Act, 2003. Therefore, the States of Manipur & Mizoram took the advice of the Ministry on the creation of a Joint Electricity Regulatory Commission and its financial implications and finally opted for it when the Government of India accepted to bear entire expenses (excluding that on office accommodation) of the Commission for the first five years. A Memorandum of Agreement to this effect was signed on 23rd July, 2004 amongst the Government of India, the Government of Manipur and the Government of Mizoram.

As per the terms and conditions of the Agreement, a 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 is a two member Commission and it came into its existence on 24th January, 2008.

### 3. The Mission

The Joint Electricity Regulatory Commission for Manipur & Mizoram, shortly known as JERC 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 principles of good governance and National Electricity Policy, National Electricity Plan and Tariff Policy. It also safeguards the interests of the States and protects the consumers as well.

### 4. Mandate of the Commission

- 1) **Section 86** of the Electricity Act, 2003 deals with 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 State;
  - (b) Regulate electricity purchase and procurement process of distribution licenses 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 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 the **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 the 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 the **Section 86(4)**, in discharge of its function, 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.

## 5. The Commission & the Utilities

The Joint Electricity Regulatory Commission for Manipur and Mizoram (JERC for M & M) join hands with the State Government run Departments which are known as the Integrated Utilities and take the pledge to improve the power sector to such a magnitude as envisaged by the Electricity Act, 2003.

The Government Departments of the Special Category States of Manipur and Mizoram have been functioning and doing the development works for several years now with Central Government released State Plan Allocation of which 90 p.c. is the grant-in-aid and 10 p.c. the loan. In both the States, simple accounting system which takes care of the expenditure and mode of incurring it only, is introduced. No other accounts book, like profit & loss account and cash flow statement which are required for determination of return and hence the financial performance of the organization at the end of the financial year are not maintained.

Moreover, Asset Register, Depreciation Register and Inventory Register etc. which are supposed to contain specific information & data for the commercial analysis in a revenue earning department are also not to be found in these Departments. Proforma account has become an outdated concept. Instead, a simpler concept of accounting, which has virtually no primary foundation has been adopted and this is contrary to what modern trend is asking for.

Therefore, the Commission while going through the financial statements furnished by these Departments finds many areas where re-conciliation and co-ordination are not practically possible. Insufficient and asymmetric data have caused inconvenience and also delay in streamlining the system.

## 6. Commission's Office

The Joint Electricity Regulatory Commission for Manipur and Mizoram is at present functioning at its office located at **D-31, M.G. Road, Upper Khatla, Aizawl, Mizoram - 796001**. The Office building is arranged by the Government of Mizoram at its expenses as per the Memorandum of Agreement.

The Commission is also accessible through its website: **[www.jerc.mizoram.gov.in](http://www.jerc.mizoram.gov.in)**.

## 7. Organization Chart

The Organization Chart showing the details as on 31st march, 2012, of 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 - I.

# CHAPTER - II

## ACTIVITIES OF THE COMMISSION (2011-2012)

### 1. Constitution of State Advisory Committee (SAC)

As per 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.

The first State Advisory Committee for the State of Manipur was constituted on the 16th January, 2009 for a period of 2 years w.e.f. the date of

publication of the Notification in the Official Gazette. On expiry of its term a second State Advisory Committee was constituted, comprising of 18 members, on the 23rd June, 2011. Copy of the Gazette Notification is enclosed as Annexure II. On the advice of His Excellency, the Governor of Manipur, three members were selected from rural and hill areas of Manipur and they are included in the State Advisory Committee. A copy of the State Gazette Notification in this regard is enclosed herein as Annexure III.

## **2. Meeting of the State Advisory Committee**

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

During the year 2011-12, the Commission organized 6(six) meetings, three each for Manipur and Mizoram at the respective State Capitals as stated below:

- a) 6th Meeting of the State Advisory Committee, Mizoram at I & PR Department Conference Hall, Aizawl on 29th June, 2011.
- b) 6th Meeting of the State Advisory Committee, Manipur at Conference Hall, State Guest House, Imphal on 21st July, 2011.
- c) 7th Meeting of the State Advisory Committee, Mizoram at I & PR Department Conference Hall, Aizawl on 4th Nov, 2011.
- d) 7th Meeting of the State Advisory Committee, Manipur at Conference Hall, State Guest House, Imphal on 24th Nov, 2011.
- e) 8th Meeting of the State Advisory Committee, Mizoram at I & PR Department Conference Hall, Aizawl on 27th February, 2012.
- f) 8th Meeting of the State Advisory Committee, Manipur at Conference Hall, State Guest House, Imphal on 27th March, 2012.

## 2.1 Manipur Chapter

- (i) In its 6th Meeting, the State Advisory Committee, Manipur discussed extensively on the adequacy of the Transmission - both inter and intra State systems and sub-transmission system of the State keeping in view the schedule of commissioning of the two generation projects in NER namely the Thermal Power Project (3x250 MW): Bongaigaon (NTPC), Assam and the Gas Based Power Project (2x363 MW): Palatana (OTPC), Tripura from which the State of Manipur shall get an allocated share of about 80 MW of power. Other important issues like delay in carrying out Energy Audit, slow progress in 100 p.c. Metering, alarming AT&C loss rate, detection and regularization of the unauthorized consumers under admissible provisions of the Act, and poor billing efficiency were also included in the list of the Agenda.

After the deliberations, the Committee decided to make the following recommendations :

- a) To get the 132 kV Transmission line from Leimatak to Jiribam repaired and recharged by May, 2012 and the Department shall move the State Government for security if so necessary.



*State Advisory Committee Meeting of Manipur*

- b) To commission 132/33 kV S/S at Kongba by March, 2012 and advance the augmentation of 132/33 kV S/S at Yurembam.
- c) To mobilize more fund/ resource to complete the 100 p.c. metering by March, 2013.
- d) To introduce distribution franchise.
- e) To improve meter reading & bill distribution substantially through outsourcing.
- f) To serve Electricity Bills to the Consumers on time.
- g) To re-organize the existing staff and strengthen the commercial wing on priority.

The Commission forwarded these recommendations to both the State Government and the Department for early compliance.

- (ii) The 7th Meeting of the State Advisory Committee, Manipur has its focus on Survey and Investigation of consumers which was very pertinent from various points of view like collection of vital information and data about the status of all consumers - authorized or unauthorized, the status of energy meters used, connected load, contract demand etc. that would help the Department to arrive at correct billing to the consumers. The JERC for M&M (Electricity Supply Code) Regulations, 2010, required that S & I of the consumers are carried out once in every two years. However, this has not been done for several years now. Poor Billing and Protection of Consumers interest also came up for discussion in the meeting. After exhaustive discussion, the Committee decided to recommend the following :

- a) A well prepared proposal may be made by the Department for outsourcing the manpower requirement for Survey & Investigation of consumers.
- b) For the unauthorized consumers, the revenue for one year consumption may be assessed with the help of available norms for settlement within a specific time frame.
- c) Being a Commercial Unit, the Department shall not treat "Billing" as an optional. Therefore, the service of the existing staffs, irre-

spective of grade, and nature of assigned duties, shall be utilized in the commercial section through a re-organization - if necessary at the Government Level, till a final decision on filling up of vacant posts or outsourcing is taken by the Government, so that work does not suffer.

The recommendations were endorsed by the Commission and it was timely communicated to the concerned authorities for early actions.

- (iii) The 8th Meeting of the Committee reviewed the progress made and action initiated by the Department on the earlier recommendation of the Committee on the improvement of power supply position in the State of Manipur. The Committee found that the situation was deteriorating day by day rather than improving. The Members expressed concern over the pathetic power supply situation that remains unabated for a quite long time in the State and reiterated that the Department needs to be restructured and reform programmes are implemented for speedy improvement of the sector in the State.

The progress of the Transmission system improvement was also reviewed in the meeting and found that it was not upto the expectation of the Committee. The 132 kV Leimatak-Jiribam Transmission line remained un-operational and the progress of augmentation of 132/33 kV sub-station at Yurembam that is necessary for receiving the increase demand of greater Imphal was very slow. The Committee therefore recommended to apprise the status of the critical transmission lines and sub-stations to the State Government for its immediate attention and remedial measures. The Commission directed the Department to expedite the matter.

## 2.2 Mizoram Chapter

- (i) The 6th Meeting of the State Advisory Committee, Mizoram discussed the arrangements required and the provisions available for augmentation of the Transmission, Transformation and Distribution Capacities so that the additional allocated share of about 50 MW could be received in about a years time. The Committee was convinced that the existing inter-State transmission system may be adequate for drawing State's requirement for another 2(two) years or so.

The Committee also briefly discussed a proposal put forward by the P & E Department for having 400 kV sub-stations at Sihmui which is located within a distance of only 6 km from the regional 400 kV sub-station at Sakawrtuichhun. The Committee however had the apprehension that the capital intensive proposition may be a duplicacy and may have a heavy impact on the electricity tariff of the State and therefore wanted it to be examined from Techno-Economic point of view before a final nod is given.

The measures taken by the P & E Department to reduce AT&C Loss were also discussed in the meeting. The Committee recom-



*State Advisory Committee Meeting of Mizoram*

mended that the service provider would prepare a scheme for 100 p.c. metering for proper energy audit and segregation of Technical and Commercial losses. The Commission acknowledged the observations and recommendations of the SAC and moved the State Government and the Department for taking up necessary actions.

- (ii) In its 7th Meeting, the State Advisory Committee, Mizoram took serious note on theft (of energy) control measures and necessity for consumers survey. The Committee was convinced that unless all the illegal and malpractices of energy consumptions are properly checked and brought under legalized system, the AT&C loss cannot be reduced. The Committee also realized that the Survey & Investigation of the consumers that would provide the clear picture on how the consumers are enjoying electricity shall be the priority task of the service provider. Poor billing and protection of consumers interest were also discussed. The Committee recommended :
- a) to carry out Survey & Investigation of all categories of consumer within a time frame with a view to checking un-authorized and illegal use of electricity, minimizing the loss and increasing the revenue.
  - b) to carry out a detailed study on manpower requirement at different sections.
  - c) to re-deploy or re-organize the staffs according to the volume of the work in the section.
  - d) to see if village council in the remote areas can be made a single consumer and the commercial responsibilities can be passed on to it.
  - e) to work out a suitable modality with which the consumers are allowed to pay bills during the month end.
  - f) to often publicize the provisions of the relevant Regulations on Consumers Grievance Redressal mechanism.

The recommendations were timely passed on to the Department for further initiatives.

(iii) At the outset of the 8th Meeting, the State Advisory Committee of Mizoram expressed its desire to have a re-look into the Power Sector Reform which has been underway for a quite longtime. The Members took note of the importance of Power Sector Reform in general and also the additional advantages in terms of easier administrative control, distinctive technical responsibility and simplified financial management etc that would be created by such reform in particular. The Members also did not lose sight of the fact that these advantages would attract private parties in a big way as envisaged by the present trend. Therefore, the Committee discussed in detail both the Regulatory Measure and Protective Measure for Consumers at which the EA, 2003 has its focus predominantly.

After the deliberations, the Committee recommended the following:

- a) to gear up the process for Power Sector Reform on priority.
- b) to publish Grievance Redressal Mechanism preferably every fortnight.
- c) to pay special attention to the commercial aspects of the utility.

The recommendations were timely communicated to the authorities for follow up actions.

### 3. State Co-ordination Forum & its Activities

Under proviso (4) of the **Section 166** of the EA 2003, two State Co-ordination Forum, one each for the States of Manipur and another for Mizoram, have been constituted by the respective State Government for the smooth and co-ordinated development of Power Sector in the State. The State Forum consists of the Chairperson and Member of the JERC for M&M, representatives engaged in generation, transmission and distribution of electricity in the respective State.

During the year 2011-2012, altogether 4 (four) nos. of meetings of the State Co-ordination Forum - two each for the two States, were held under the Chairmanship of the Chairperson of the JERC for M&M.

### 3.1 Manipur Chapter

- (i) The 3rd Meeting of the State Co-ordination Forum for the State of Manipur, held on 20th July, 2011 at Imphal and discussed several issues like 100 p.c. metering, grievance redressal mechanism of consumers, power supply position, loss reduction initiatives, Directives given in the Tariff Order for FY 2010-2011 and billing & manpower requirement. After an analytical study of the issues and challenges facing the Department it was decided to conduct a work study for manpower requirement without any delay and come out with a viable solution to the problem like - re-organization of the existing staff or engagement of a third party in meter reading and bill distribution.
- (ii) The 4th Meeting of the State Co-ordination Forum, Manipur was held on 26th March, 2012 to discuss other issues like Internal Grievance Redressal Cells and its functioning, Assets & Liabilities, Measures to pre-



*Co-ordination Forum of Manipur Meeting*

vent Diversion of Electricity (as per Regulations 11.6 of Supply Code Regulations).

Finally, it was decided that the Department shall pay more attention to detection and regularization of the unauthorized consumers, monitor high value consumers and continue revenue drive

### 3.2 Mizoram Chapter

- (i) The 3rd Meeting of the State Co-ordination Forum, Mizoram was held on 17th August, 2011 at the Conference Hall of the Commission. The Forum reviewed the progress of the On-Going and New Hydro Power Projects namely, Serlui-B SHP (12 MW), Kolodyne HEP (460 MW), Lungreng HEP (815 MW), Chhimtuipui HEP (636 MW), Tuivai HEP (210 MW) and Mat HEP (76 MW), in the State of Mizoram and found it to be below satisfactory level. It was decided that the Department shall make all possible efforts to gear up the progress and also to tie up with the private agencies which have been taking up Tlawng HEP (54 MW), Tuirini HEP (38 MW) and Tuivawl HEP (42 MW) under BOOT mode and implementating agencies for making speedy progress. The Forum also reviewed the functioning of CGRF and effectiveness of the Consumer Grievance Redressal Mechanism. Progress of Village Electrification and 100 p.c. Metering & Billing, also came up for discussion in the Meeting.



*Co-ordination Forum of Mizoram Meeting*



*Public Hearing on Determination of Generation Tariff for Tuivai Hydro Electric Project (3x70Mw)*

It was decided that the Department shall pay adequate attention to these areas and improve overall performance in the interest of all stakeholders.

- (ii) The 4th Meeting of State Co-ordination Forum of Mizoram, held on 20th January, 2012, reviewed once again the progress of development of Hydro Power Projects in the State, progress of village electrification under RGGVY which is targeted for completion by March, 2013, and also the progress of restructuring of the Department. The Forum realized of the need for substantial improvement in all respects and decided that all concerned officials should be made involved in the effective implementation of the much awaited programmes.

#### **4. Organizing Interactive Workshop on Consumer Awareness**

It was purely 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, that the Commission organized series of Interactive Workshop on "Electricity Consumers Awareness" at suitable public places of Manipur and Mizoram in association with the Service Provider, Journalists, Consumers' Union, Intellectual circle, Senior Citizens and other voluntary organizations.



*Electricity Consumer Awareness Workshop at Champhai, Mizoram*

The Commission contemplated to keep up the same tempo for another couple of years so that the consumers could gain the basic knowledge of power supply management. Accordingly, two more workshops were organized during the period under report as detailed below:

- a) On 18th October, 2011, at I& PR Department Conference Hall, CHANEM, Champhai, Mizoram.
- b) On 25th November, 2011 at D.C. Office Complex, Churachandpur, Manipur.



*Electricity Consumer Awareness Workshop at Churachandpur, Manipur*

The Workshop was attended by many knowledgeable persons from different disciplines and well-thought views were offered by the audience in the interactive session. The overwhelming response spoke of the success.

## 5. Tariff Orders

For the first time, the Commission issued the Tariff Orders for the FY 2010-2011 for the P&E Department, Mizoram on 12th January, 2011 and that for the Electricity Department, Manipur on 15th March, 2011. The reason for the delay was attributed to late submission/ filing of the ARR & Tariff Petition for FY 2010-2011 by the integrated utilities. The Tariff Orders of 2010-2011 were to be effective till the next Tariff Orders were issued.

Being the Departments, that work under the State Governments, these integrated utilities hardly maintained asset register, depreciation register, inventory register, profit & loss account and cash flow statement that provide basic information/ data for compilation of ARR & Tariff Petition. The expenditure was also not audited. Moreover, the 100 p.c. metering and energy audit which are required for calculation of AT&C loss and segregation of T&D loss & Commercial loss were also not completed.

In the absence of these factual & symmetric data, the Departments were unable to file Tariff Petition. Thus, the ARR and Tariff Petitions for FY 2011-2012 were not filed by both the Departments of the two States. For the same reason as stated above the Commission also could not issue Tariff Order for 2011-2012 on *Suo-Moto*. Hypothetically, the Tariff Orders issued earlier for the FY 2010-2011 were considered valid for the FY 2011-2012 also. Tariff schedule prevailing in the year is enclosed as Annexure-IV.

## 6. Fund for the Commission

The Memorandum of Agreement, drawn amongst the Government of India, Government of Manipur and Government of Mizoram, states vide its paras 11 and 12, that

- a) It is agreed that the Joint Commission shall prepare its budget in accordance with the provisions of **Section 106** of the Electricity Act, 2003 and forward the same to the Government of India.
- b) It is agreed that the expenditure of the Joint Commission during the first 5 years will be met from the grant provided by the Union Government and thereafter it will be shared equally by the participating States. Participating State after the expiry of first 5 years from the year of Constitution of the Regulatory Commission will make lumpsum budget provision to their share and transfer the amount in four equal installment in the month of April, July, October, January in each financial year to the Joint Commission. It is also agreed that if any of the State fails to make contribution within 30 days of the month, this agreement grants the authority to Central Government to deduct the amount from the Central Plan Assistance of that State and transfer it to the Joint Commission.

The Commission started functioning w.e.f. 24th January, 2008. As per the Agreement the Ministry of Power will provide fund upto January, 2013. The fund for the remaining 2(two) months is to be shared equally by the participating States.

Accordingly, both the State Governments of Manipur and Mizoram were requested to provide an amount of Rs.24.67 lakhs each in their Budget (50 p.c. of the total Budget estimate) Estimate for 2012-2013 under a suitable head of account vide the Commission's letter of dt. 17.11.2011

Budget Estimation of the Commission for the year 2012-2013 (upto January, 2013) was also submitted to the Minister of Power, Government of India on time.

## **7. Land Allotment for Office Accommodation**

As per the Memorandum of Agreement for establishment of the Joint Electricity Regulatory Commission for Manipur and Mizoram, the office accommodation of the Commission is to be provided by the State Government of Mizoram free of cost. Presently, the Commission office is located in a rented house at Upper Khatla, Aizawl. The Commission proposed to have its own building and therefore requested the State Government to provide a Government building. The State Government had intimated that there is no vacant office building. The Commission had also identified two sites at the New Capital Complex for the purpose of constructing its own building and requested the State Government for allotment of a site to the Commission. It is not yet allotted. The State PWD was moved to provide fund for construction of the building during the 12th five year plan. It has provided an amount of Rs.2.20 crores.

## **8. Capacity Building Programmes and Others**

During the year (2011-2012), the Members, Officers and Staffs of the Joint Electricity Regulatory Commission for Manipur and Mizoram attended various Capacity Building Programmes, Seminars and Meetings, organized by several authorities under the aegis of the Ministry of Power, Government of India, etc.

The Statement in the next page shows the details.

### Trainings, Seminars and Meetings Attended:

	Name and Designation	Particulars of Programme	Duration	Venue	Programme Conducted/ Sponsored by
1	Mr. H. Bihari Singh, Hon'ble Member	Workshop on Distribution Competition	27 <sup>th</sup> April, 2011	Hotel Mayfair Lagoon, Bhubaneshwar	IPPAI & Odisha Electricity Regulatory Commission
2	Mr. H. Bihari Singh, Hon'ble Member	23 <sup>rd</sup> Meeting of FOR	29 <sup>th</sup> to 30 <sup>th</sup> April, 2011	Dehradun, Uttarakhand	Forum of Regulators
3	Mr. C. Hmingthanzuala, Hon'ble Chairperson	Conference on the 12 <sup>th</sup> Regulators & Policymakers Retreat, 2011	13 <sup>th</sup> to 17 <sup>th</sup> July, 2011	Vivanta by Taj-Fort Aguada Beach Resort & Taj Holiday Village, Goa	Independent Power Producers Association of India (IPPAI)
4	Mr. H. Thanthianga, Assistant Chief (Engineering)	Workshop on "REC Mechanism" for Stakeholder of Eastern and North Eastern Region.	6 <sup>th</sup> July, 2011	Eastern Regional Power Committee, Conference Hall, Golf Club Road, Tollygunge, Kolkatta	National Load Despatch Centre
5	Mr. H. Thanthianga, Assistant Chief (Engineering)	Workshop on 4 <sup>th</sup> Capacity Building Programme for Officers of Electricity Regulatory Commission	18 <sup>th</sup> to 23 <sup>rd</sup> July, 2011	IIT, Kanpur	Forum of Regulators
6	Mr. H. Bihari Singh, Hon'ble Member	Conference on "Development of the Power Sector in Bihar"	27 <sup>th</sup> July, 2011	Hotel Maurya, Patna	Bihar Electricity Regulatory Commission
7	Mr. C. Hmingthanzuala, Hon'ble Chairperson	26 <sup>th</sup> Meeting of FOR	09 <sup>th</sup> to 10 <sup>th</sup> October, 2011	The Destination Rsort, Chandigarh, Simla Highway, Himachal Pradesh	Forum of Regulators

8	Mr.H. Thanthianga, Assistant Chief (Engineering)	Training Programme on Demand side Management and Capacity Building	10 <sup>th</sup> to 15 <sup>th</sup> October, 2011	IIT, Roorkee	Forum of Regulators
9	Mr. C.Hmingthanzuala, Hon'ble Chairperson	27 <sup>th</sup> Meeting of FOR	15 <sup>th</sup> to 17 <sup>th</sup> December 2011	Hotel Babylon International, VIP Road, Raipur, Chhattisgarh	Forum of Regulators
10	Mr. H.Bihari Singh, Hon'ble Member	Conference on “Powering North East India: Attracting Investments for development of the power Sector”.	15 <sup>th</sup> December 2011	NEDFI Convention Centre, Guwahati	Independent Power Producers Association of India (IPPAI)
11	Mr. H.Bihari Singh, Hon'ble Chairperson	28 <sup>th</sup> Meeting of FOR	3 <sup>rd</sup> February, 2012	Sambodhi Retreat, Bodh Gaya, Bihar	Forum of Regulators
12	Mr. Richard Zothankima, Assistant Secretary	Training on “Protection of Consumer Interest”	21 <sup>st</sup> to 23 <sup>rd</sup> March, 2012	NPTI, Faridabad	Forum of Regulators

## CHAPTER - III

### PERFORMANCE STANDARDS

The Commission monitored the performance standards of both the State Electricity Departments by collecting quarterly and half yearly reports in the prescribed formats.

Statewise performances on Distribution Sector for the specified periods during the year 2011-2012 are as given below.

#### 1. Number and Type of Complaints attended and balance to be attended

**Manipur**

**Period : April to December, 2011**

Sl. No.	Type of Complaints	Pending Complaints of previous Quarter	Complaints received during the period	Total Complaints	No. of Complaints redressed during the Period			
					In stipulated time	Beyond Stipulated time	Total	Balance complaints to be redressed
1	2	3	4	5	6			
1	Interruption of Supply	0	1295	1295	1016	187	1293	2
2	Voltage Related	2	239	241	209	27	236	5
3	Meter Related	0	128	128	114	11	125	3
4	New Connection where extension of distribution mains already exists	0	1184	1184	1099	46	1145	39
5	New Connection where extension of distribution mains was required	0	87	87	48	7	55	32

6	New connection where commissioning of a new transformer required	16	78	94	56	6	62	32
7	Transfer of ownership and conversion of service	0	96	96	96	0	96	0
8	Complaints of Consumers' bill	0	896	896	746	83	829	67
9	Reconnection of Supply	0	639	639	471	168	639	0
10	Others	0	0	0	0	0	0	0

## Mizoram

Period : October, 2011 to March, 2012

Sl. No.	Type of Complaints	Pending Complaints of previous Quarter	Complaints received during the period	Total Complaints	No. of Complaints redressed during the Period			
					In stipulated time	Beyond Stipulated time	Total	Balance complaints to be redressed
1	2	3	4	5	6			
1	Interruption of Supply	0	807	807	807	0	807	0
2	Voltage Related	0	247	247	247	0	247	0
3	Meter Related	0	367	376	376	0	376	0
4	New Connection where extension of distribution mains already exists	0	117	117	117	0	117	0
5	New Connection where extension of distribution mains was required	0	0	0	0	0	0	0

6	New connection where commissioning of a new transformer required	0	0	0	0	0	0	0
7	Transfer of ownership and conversion of service	0	17	17	17	0	17	0
8	Complaints of Consumers' bill	32	538	570	570	0	570	0
9	Reconnection of Supply	0	322	322	322	0	322	0
10	Others	0	0	0	0	0	0	0

## 2. Percentage of Performance achieved on overall standards

Manipur

Period : April to December, 2011

Sl. No.	Service area covered under this standard	Targeted Performance	Performance Achieved
1	2	3	4
1	Fuse off calls	95%	74.71%
2	Line Break Downs	95%	70.57%
3	Replacement of failed distribution transformers	95%	47.23%
4	Period of scheduled outages	95%	53.16%
5	Street Light Faults	90%	56.12%
6	Resolving Billing Mistakes	99%	64.38%
7	Replacing of Faulty Meters	95%	35.16%
8	Reliability Indices	N/A	N/A
	(A) SAIFI	N/A	N/A
	(B) SAIDI	N/A	N/A

## Mizoram

Period : October, 2011 to March, 2012

Sl. No.	Service area covered under this standard	Targeted Performance	Performance Achieved
1	2	3	4
1	Fuse off calls	95%	100%
2	Line Break Downs	95%	100%
3	Replacement of failed distribution transformers	95%	N/A
4	Period of scheduled outages	95%	100%
5	Street Light Faults	90%	100%
6	Resolving Billing Mistakes	99%	100%
7	Replacing of Faulty Meters	95%	N/A
8	Reliability Indices	Target was not fixed	N/A
	(A) SAIFI	N/A	N/A
	(B) SAIDI	N/A	N/A

## CHAPTER - IV

### BASIC ELECTRICITY STATISTICS

Table-I : Progress of Rural Electrification

Sl.No.	Particulars	2010-11	2011-12
1	2	3	4
<b>A</b>	<b>Manipur</b>		
1	No. of villages	2315	2524
2	No. of villages electrified (as on 3/2012)	1997	1969
3	% of villages electrified	86.26	78.01
<b>B</b>	<b>Mizoram</b>		
1	No. of villages	707	719
2	No. of villages electrified (as on 3/2012)	623	657
3	% of villages electrified	88.12	91.38

Table-II : Growth of Energy Consumption

(MU)

Sl.No.	Category	2008-09 (Actual)	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Provisional)
1	2	3	4	5	6
<b>A.</b>	<b>Manipur</b>				
1	Domestic	120.61	126.65	152.00	164.42
2	Commercial	14.22	15.64	22.75	25.10
3	Public Lighting	3.2	4.19	5.39	5.51
4	Public Water Works	9.64	12.27	17.62	18.99
5	Irrigation and Agriculture	0.12	0.61	0.49	0.52
6	Small Industry	4.85	4.93	8.40	12.19
7	Medium Industry	2.49	2.41	3.03	3.31
8	Large Industry	1.34	1.42	2.05	4.87
9	Bulk Supply	40.75	43.57	58.79	63.15
10	Temporary Power Supply			0.58	0.58
	<b>Total(A)</b>	<b>197.22</b>	<b>211.69</b>	<b>271.10</b>	<b>298.64</b>
<b>B.</b>	<b>Mizoram</b>				
1	Domestic	111.34	129.54	174.40	170.92
2	Commercial	9.94	13.65	14.65	18.89
3	Public Lighting	5.84	4.95	7.04	6.04
4	Public Water Works	25.26	28.14	27.29	36.28
5	Irrigation and Agriculture	0.002	0.001	0.12	0.10
6	Small Industry	1.62	2.40	1.57	0.55
7	Medium Industry			0.31	0.33
8	Large Industry				
9	Bulk Supply	11.38	12.02	12.18	17.31
10	Temporary Power Supply				
	<b>Total(B)</b>	<b>165.38</b>	<b>190.70</b>	<b>237.56</b>	<b>250.42</b>

Source : Tariff Orders

**Table-III : Growth of Per Capita Consumption of Electricity**

Sl.No.	Year	Population at the end of FY (No.)	Mid-Year Population (No.)	Energy Consumption (MU)	Per Capita Consumption (kWh/head/annum)
1	2	3	4	5	6
<b>A.</b>	<b>Manipur</b>				
1	2007-08	2572296			
2	2008-09	2621181	2596739	197.22	75.95
3	2009-10	2670995	2646088	211.69	80.00
4	2010-11	2721756	2696376	271.10	100.54
5	2011-12 (Prov)	2772517	2747137	298.64	108.71
<i>Note: Population is worked out based on Decadal growth rate of 18.65% as per Census 2011</i>					
<b>B.</b>	<b>Mizoram</b>				
1	2007-08	1018140			
2	2008-09	1041874	1030007	165.38	160.56
3	2009-10	1066161	1054018	190.70	180.93
4	2010-11	1091014	1078588	237.56	220.25
5	2011-12 (Prov)	1115867	1103441	250.42	226.94
<i>Note: Population is worked out based on Decadal growth rate of 22.78% as per Census 2011.</i>					

**Table-IV : Trend of Transmission & Distribution Losses****(MU)**

Sl.No.	Particulars	2008-09 (Actual)	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Provisional)
1	2	3	4	5	6
<b>A.</b>	<b>Manipur</b>				
1	Energy import at State periphery	490.87	448.20	505.20	504.00
2	Energy sold within the State	197.22	211.69	271.10	298.64
3	T&D Losses	293.65	236.51	234.10	205.36
4	Percentage T&D Losses %	59.82	52.77	46.34	40.75
<b>B.</b>	<b>Mizoram</b>				
1	Energy import at State periphery	292.21	325.84	389.60	388.45
2	Energy sold within the State	165.38	190.70	237.56	250.42
3	T&D Losses	126.83	135.14	152.04	138.03
4	Percentage T&D Losses %	43.40	41.47	39.02	35.53

Source : Tariff Orders

**Table-V : Impact of Man power on Tariff**

Sl.No.	Year	No.of Employee at the end of FY (No.)	Employee Cost (Rs in crore)	Intra-state Energy Sold (MU)	Employee cost per unit of sale (Rs per unit sold)
1	2	3	4	5	6
<b>A.</b>	<b>Manipur</b>				
1	2008-09	3687	46.92	197.22	2.38
2	2009-10	3725	47.53	211.69	2.25
3	2010-11	3621	72.21	271.10	2.66
4	2011-12(Prov.)	3611	80.87	298.64	2.71
<b>B.</b>	<b>Mizoram</b>				
1	2008-09	4645	57.08	165.38	3.45
2	2009-10	4597	61.64	190.70	3.23
3	2010-11	4589	61.68	237.56	2.60
4	2011-12(Prov.)	4575	84.79	250.42	3.39

# CHAPTER - V

## ANNUAL ACCOUNTS

### 1. Account

The Commission received an amount of Rs.15,600,000.00 from the Ministry of power, Government of India, as Grant-in-Aid during the FY 2011-2012, and the total receipts of the Joint Commission was Rs.3,385,409.00. The details of the Receipts and Payments Accounts are as given below :

#### RECEIPTS & PAYMENTS ACCOUNTS WEF.1.4.2011 TO 31.03.2012 (G-I-A)

Sl. No	Receipts	Amount (Rs)	Sl.No	Payment	Expenditure (Rs)
	To -			By -	
1	Opening Balance :-		1	Pay and allowances :	
	(i) On Savings a/c	3,101,607.00		i) Chairperson & Member	2,393,665.00
	(ii)Cash in hand	0.00		ii) Officers & Staff	8,951,565.00
2	Total of GIA received from GOI during the year	15,600,000.00		Remittances:- i). GPF	227,352.00
				ii) SGEGIS: IF	1,420.00
				SF	2,840.00
3	Receipt from Fees & Charges	3,240,000.00		iii) HBA (LIC) recovery	13,772.00
				iV) License fee	9,972.00
				v) Staff contrn. To NPS/EPF	319,917.00
4	Misc. receipt	145,409.00	2	Matching Contrn. to NPS/EPF	382,620.00
			3	Rent/Rates/Taxes	25,060.00
			4	Insurance	20,078.00
			5	Medical Treatment	130,362.00
			6	Travelling Expenses	728,348.00
			7	L.T.C	127,724.00
			8	Wages	788,880.00

			9	Electricity & Power	41,631.00
			10	Water Charges	1,352.00
			11	Repair and Maintenance:-	-
				i) Furniture & Fixtures	1,050.00
				ii) Machinery & Equipment	27,757.00
				iii) Building	7,531.00
			12	Vehicle running & Maint.	97,117.00
			13	Postage	7,438.00
			14	Telephone & Communications	458,032.00
			15	Printing	103,340.00
			16	Publication	-
			17	Newspaper/Periodicals	32,342.00
			18	Advertisement & Publicity	72,349.00
			19	Stationery	210,044.00
			20	Petrol & Lubricants	260,979.00
			21	Books	8,550.00
			22	Seminars & Workshop	148,003.00
			23	Subscription fee	377,009.00
			24	Travelling & Conveyance(Hire of Conveyance)	249,835.00
			25	Leave salary & Pension Contribution	224,481.00
			26	Furniture and Fixtures	50,493.00
			27	Machinery & Equipment	54,450.00
			28	Motor vehicle	52,600.00
			29	Consultancy Charges	44,120.00
			30	Other Office Expenses	86,336.00
				<b>Total Payment</b>	<b>16,740,444.00</b>
				<b>Bank Balance</b>	<b>5,346,572.00</b>
				<b>Cash Balance</b>	<b>0.00</b>
	<b>GRAND TOTAL :</b>	<b>22,087,016.00</b>		<b>GRAND TOTAL</b>	<b>22,087,016.00</b>

## CHAPTER - VI

### OUTCOME OF THE REGULATORY PROCESS

The introduction of Regulatory Process has highlighted the emerging trend in the Power Sector and helped the stakeholders realize the economics of it.

The following are the outcome in brief :

- a) Power Supply improvement through Regulation of Service conditions and prescription of the Standard of Performance parameters for utilities in terms of actions for protection of consumer interest.
- b) Establishment of Consumers Grievance Redressal Forum for redressal of consumers grievance.
- c) Fixation of Retail Tariff in a rational and transparent manner.
- d) General Public are made aware of Electricity Business.
- e) Promotion of Renewable Energy generations in the States of Manipur and Mizoram by fixing the RPOs and price cap for generation of renewable energy sources.
- f) Encouragement of private party generators by allowing a higher rate of return.
- g) Stakeholders realize that Power Sector is to be developed as an Electricity Industry.

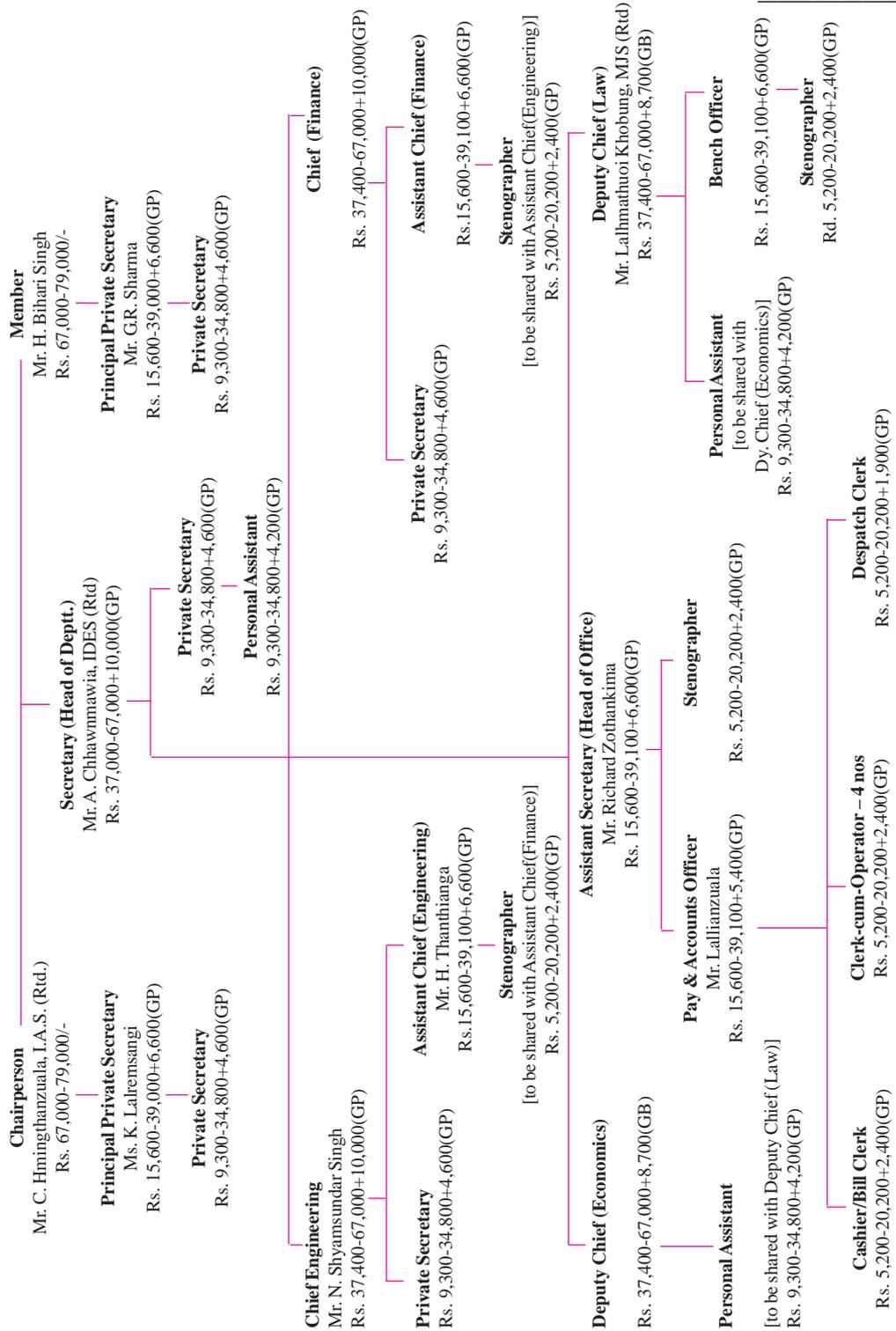
## CHAPTER - VII

### WORK PLAN OF THE YEAR AHEAD

The Commission is determined to continue/ take up the following in the larger interest of the stakeholders during the coming years.

- a) Creation of a regulatory atmosphere for an overall improvement of the power supply in the States is the main objective of the Commission for the year ahead.
- b) Framing of new Regulations and revision of the old ones.
- c) Fixation of Retail Tariff as per the JERC for M&M (Terms and Conditions for Determination of Tariff) Regulations, 2010.
- d) Determination of Transmission tariff, open access charges and wheeling charges.
- e) Determination of Generation tariff for both conventional & non-conventional schemes.
- f) Organize awareness campaign.
- g) Capacity building.

## ORGANISATION CHART OF JOINT ELECTRICITY REGULATORY COMMISSION FOR MANIPUR AND MIZORAM



## Annexure-I

**Annexure-II****MANIPUR GAZETTE****EXTRAORDINARY  
PUBLISHED BY AUTHORITY****No. 369****Imphal, Wednesday, July 6, 2011****(Asadha 15, 1933)****JOINT ELECTRICITY REGULATORY COMMISSION  
FOR MANIPUR AND MIZORAM  
AIZAWL : MIZORAM****NOTIFICATION****Aizawl, the 23rd June, 2011**

NO.H.11019/3/08-JERC- In pursuance of Section 87 of the Electricity Act, 2003 and provisions under the Joint Electricity Regulatory Commission for Manipur and Mizoram (Constitution of State Advisory Committee and its Functions) Regulations, 2010, the Joint Electricity Regulatory Commission for Manipur and Mizoram hereby reconstitutes the State Advisory Committee for the State of Manipur with the following composition. The term of the Committee shall be for a period of 2 (two) years with effect from the date of issue of this notification.

- |    |   |   |                     |
|----|---|---|---------------------|
| 1. | Chairperson, JERC for Manipur and Mizoram   | — | Ex-officio Chairman |
| 2. | Member, JERC for Manipur and Mizoram  | — | Ex-officio Member   |
| 3. | Secretary, Consumer Affairs, Food and Civil Supplies<br>Department                    | — | Ex-officio Member   |
| 4. | Director, Industries Department   | — | Member              |
| 5. | Director, Manipur Renewable Energy Development<br>Agency (MANIREDA), Takyel, SAI Road | — | Member              |
| 6. | Joint Director, Agriculture Department  | — | Member              |
| 7. | Labour Officer, Labour Department   | — | Member              |

- |     |  |   |                  |
|-----|--|---|------------------|
| 8.  | M. Ranjit Singh, President,<br>Manipur University Teachers' Association<br>Manipur University, Canchipur- 795003               | — | Member           |
| 9.  | Ch. Ibohal Meitei, Director,<br>Manipur Institute of Management Studies,<br>Manipur University, Canchipur-795003               | — | Member           |
| 10. | L. Sadananda Singh, General Secretary,<br>Senior Citizens for Society,<br>Singjamei Mathak Chongtham Leikai, Imphal            | — | Member           |
| 11. | Elangbam Dolendra Singh, Advisor,<br>All Manipur Power Consumers' Association,<br>Wangkhei Meihoupham<br>Lampak, Imphal        | — | Member           |
| 12. | Irengbam Arun, Senior Journalist, All Manipur<br>Working Journalists' Union,<br>Manipur Press Club Building, Majorkhul, Imphal | — | Member           |
| 13. | S. Rishikumar Singh, President,<br>All Manipur Entrepreneurs' Association,<br>Takyel Industrial Estate, Imphal                 | — | Member           |
| 14. | President, Manipur Industries Union,<br>N.C. Road, Sagolband Salam Leikai, Imphal  | — | Member           |
| 15. | President, Consumers' Club, Manipur<br>Paona Bazar, Diamond Gali, Imphal West-1  | — | Member           |
| 16. | Meihobam Rakesh Director,<br>Human Rights Law Network,<br>KVIC Building 2nd Floor, Paona Bazar, Imphal                         | — | Member           |
| 17. | Mr. Basantakumar Wareppa,<br>Programme Executive Human Right Alert,<br>Kwakeithel Thiyam Leikai, Imphal                        | — | Member           |
| 18. | Secretary, JERC for Manipur and Mizoram  | — | Member Secretary |

By order of the Commission,

A. CHHAWNMAWIA  
Secretary

**Annexure-III****MANIPUR GAZETTE****EXTRAORDINARY  
PUBLISHED BY AUTHORITY**

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**No. 780                      Imphal, Thursday, January 19, 2012                      (Pausa 29, 1933)**

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**JOINT ELECTRICITY REGULATORY COMMISSION  
FOR MANIPUR AND MIZORAM AIZAWL: MIZORAM****NOTIFICATION****Dated Aizawl, the 9th January, 2012.**

No. H. 11019/3/08-JERC.-In continuation and in-partial modification of this Commission's Notification of even number dated Aizawl, the 23rd June, 2011 and in pursuance of Section 87 of the Electricity Act 2003, read with Regulation 3 of the Joint Electricity Regulatory Commission for Manipur and Mizoram (Constitution of State Advisory Committee and its functions) Regulations, 2010, the Joint Electricity Regulatory Commission for Manipur and Mizoram. has nominated the following three persons as the members of the State Advisory Committee of Manipur in addition to the existing 18 (eighteen) members with immediate effect and upto 22nd June, 2013.

1. Mr. G. Khupchinpau (Advocate),  
New Lamka, Churachandpur District, Manipur;
2. Mr. Dili, Social Worker,  
Karong Village, Senapati District, Manipur and
3. Mr. S.K. Sunny Lamkang, Social Worker,  
Daapi Village, Chandel District B.RO. Chandel, Manipur.

By order of the Commission,

**A. CHHAWNMAWIA**  
Secretary

Annexure-IV**Tariff Schedule Applicable for 2011-2012****Manipur**

S.N	Consumer Category & Slabs	Fixed Charges (Rs/kW)	Energy Charges (Rs/kWh)
	<b>LT SUPPLY</b>		
1	<b>Kutir Jyoti</b>		
	(a) 1-15 for all units	20	1.00
	(b) Above 15 for all units	20	1.50
2	<b>Domestic Light &amp; Power</b>		
	(a)1-100 for all units	60	2.20
	(b)101-200 for all units	60	2.70
	(c) Above 200 for all units	60	3.20
3	<b>Commercial</b>		
	(a) 1-100 for all units	80	3.00
	(b) 101-200 for all units	80	3.50
	(c) Above 200 for all units	80	4.00
4	Public Lighting	60	4.00
5	Public water works	100	4.00
6	Agriculture	60	2.50
7	Cottage & Small Industries	60	2.50
8	Bulk Supply	3.2	3.20
9	Temporary Supply	50	4.00
	<b>HT Supply</b>		
1	Public Water works	100	3.50
2	Agriculture	100	2.50
3	Medium Industry	60	3.00
4	Large Industry	100	3.50
5	Bulk Supply	100	3.20

Average Tariff - 3.73

Note: "For all units" mean the consumers shall be billed for the whole unit consumed at the corresponding rate fixed for the slab.

## Mizoram

Sl. No	Consumer category & slabs	Fixed Charge (Rs/kW)	Energy Charge (Rs/kWh)
	<b>A) LT Supply</b>		
<b>1</b>	<b>Kutir Jyoti Connections</b>		
	1-15 for all units	10/connection	0.90
	16-30 for all units	10/connection	1.05
	Above 30 for all units	10/connection	1.50
<b>2</b>	<b>Domestic Light &amp; Power</b>		
	1-50 for all units	25	1.50
	51-100 for all units	25	1.85
	101-200 for all units	25	2.50
	Above 200 for all units	25	3.50
<b>3</b>	<b>Commercial</b>		
	1-100 for all units	50	2.30
	101-200 for all units	50	3.60
	Above 200 for all units	50	4.00
<b>4</b>	<b>Public Water Works</b>	50	4.00
<b>5</b>	<b>Public Lighting</b>	50	4.25
<b>6</b>	<b>Irrigation and Agriculture</b>	20	1.10
<b>7</b>	<b>Small Industries,</b>		
	1-400 for all units	50	3.00
	Above 400 for all units	50	3.50
<b>8</b>	<b>Temporary supply</b>	50	6.00
	<b>B) HT Supply</b>		
1	Domestic	30.00	3.00
2	Commercial	60.00	3.80
3	Public Water works	80.00	3.80
4	Agricultural	30.00	1.10
5	Industrial	80.00	3.00
6	HT Bulk supply within the State	80.00	3.00

Average Tariff - 3.30

Note: "For all units" mean the consumers shall be billed for the whole unit consumed at the corresponding rate fixed for the slab.