



ANNUAL REPORT 2015-2016

8th Annual Report

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



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FOR
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ANNUAL REPORT
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FOREWORD



IT GIVES ME A GREAT PLEASURE to learn that an Annual Report 2015-2016 of the activities of the Commission, JERC (Manipur & Mizoram) is going to publish. In this connection, I extend my whole hearted support to the Staff who are taking pains in bringing out the Annual Report of this Commission.

During my tenure as Chairperson of the Commission I had the privilege to host 6th FORENS Meeting at Imphal from 8th Sept, 2016 to 10th Sept, 2016. That was really a challenge to me and my team, as organizing such a FORENS Meeting at Imphal was beyond my thinking. The head office being located at Aizawl, a lot of difficulties were faced after opening a Liaison Office to organize such a big event with only one M.R. Staff. However with the full co-operation of my Assistant Secretary and other 3 (three) staff, the meeting was arranged in such a smooth & efficient manner that all the participating Members, Chairpersons and their spouses appreciated the whole team. Here, I would like to thank my spouse Th. Bijaya Devi who took much effort in preparation of gift items to the participating delegates and to take care of all the spouses whenever the need arise.

In order to achieve the target of Renewable Energy set by MOP in respect of Manipur, I drafted the Solar Policy of Manipur during December, 2015 and sent to the Government of Manipur, Department of Power for taking their view. The matter is in final stage.

With the dawn of 2017, I convey my gratefulness to all the Officers, Staff of the Commission for their Co-operation in expediting all the files in time and in making timely disposal of the same.

With the arrival of 28th Feb, 2017 as I demit my Office, I convey my best wishes to all the Staff for a healthy & prosperous future.

Dated Aizawl, the 27th Feb, 2017

A handwritten signature in blue ink, appearing to be 'R.K. Kishore Singh', with a date '27.02.17' written below it.

(R.K. KISHORE SINGH)
Chairperson

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 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 considered generously 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.F23/2002-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



16th Meeting of SAC MANIPUR 18.2.2016 (Thursday)

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 Act.

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 2006. 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;



16th Meeting of SAC MANIPUR 18.2.2016 (Thursday)

- 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;



18th Meeting of SAC Mizoram 15.2.2016 (Monday)

- 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 2015-16 presents an overview of the Commission's activities during the period from 1st April, 2015 to 31st March, 2016. 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 into reality in the two States and constantly endeavouring for improvement of quality of supply and services to the consumers while maintaining a reasonable and affordable price. In the whole process, co-ordinated support and point specific



*Conference on Electricity & Related Issues Sensitization in Aizawl on 27th October, 2015
 Chief Guest Mr. Lal Thanhawla, Hon'ble Chief Minister, Mizoram, delivering speech*

assistance of State Government and people's cooperation 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 P&E Department in Mizoram. The P&E 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, 2013, 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 – I. 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 received.

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 also accessible through its website: www.jerc.mizoram.gov.in and has e-mail of jerc.mm@gmail.com.



Consumer Awareness Awareness at Bishenpur on 9th December, 2015

CHAPTER – II

ACTIVITIES OF THE COMMISSION

1. CONSTITUTION OF THE STATE ADVISORY COMMITTEE

The Electricity Act, 2003 on Section 87. (State Advisory Committee):-

- 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. Notification issued in this regard are at Annexure II&III respectively.



Conference on Electricity & Related Issues Sensitization in Aizawl on 27th October, 2015

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 MEETING

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

During the year 2015-16, the Commission organized 2(two) meetings, 1 (one) for Manipur and 1 (one) for Mizoram in both State Capitals as stated below:

Manipur

- 16th Meeting of SAC, Manipur was held on 18th February, 2016 at Conference Hall of Hotel Classic, Regency Hall, Imphal. The following agenda were discussed:
 1. Determination of Retail Tariff for MSPDCL and Transmission Tariff for MSPCL, Manipur.
 2. Progress of various works in Manipur under Manipur State Power Distribution Company Ltd and Manipur State Power Company Ltd.

Mizoram

- 18th Meeting of SAC, Mizoram was held on 15th February, 2016 at I&PR Conference Hall Aizawl, Mizoram. The following agenda were discussed:
 1. Determination of Retail Tariff for Power & Electricity Department, Mizoram for FY 2016-17.
 2. Corporatisation of Power & Electricity Department, etc, proposed by Mizoram Consumers' Headquarters.



One Day Workshop Consumer Awareness Manipur 12.10.2015, Thoubal

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 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.

Notifications on constitutions of Co-ordination Forum are at Annexure IV&V

During the year 2015-16, the Commission organized 1(one) meeting for Manipur and 1(one) meeting for Mizoram.

THE MINUTES OF THE MEETINGS ARE

A. Minutes of 8th State Co-Ordination Forum of Mizoram Meeting

Date & Time : 16th September 2015 (Wed), 11:00am

Venue : JERC (M&M)'s Conference Hall, TBL Bhawan, Khatla, Aizawl

A meeting was held at the time & venue indicated above under the Chairmanship of Mr R.K. Kishore Singlh Chairperson, Joint Electricity Regulatory Commission for Manipur & Mizoram. The Chairman, in his welcome speech stated the broad intention of the FORUM meeting and main agenda to be discussed in the meeting. The Chairman cordially invited all the members of the Forum and special invitees present at the meeting to participate in the deliberation of agenda.



*Electricity & Related Issues Sensitization in Imphal, Manipur on 29th June, 2016
Hon'ble Chief Minister of Manipur, Shri O Ibobi Singh gracing the function as Chief Guest*

Minutes on the following agenda are:

1) Installation of Energy Meter having MDI facility to avoid load checking : Er Liannghinglova Pachuau, Engineer-in-Chief stated that P&E Department, Govt. of Mizoram normally achieved 100% metering in Mizoram and detailed technical specifications of the meter conforming to CEA is being approved for R-APDRP. The same could be installed for other consumers as well. He further added that the Department would seek advice from the Government as to how new energy meter will be introduced among the existing and new consumers including the issue of whether meter security & meter rent shall be levied or not for replaced good/working meters. Presently total no. of meters being purchased under this scheme is as follows :-

1-ph Meter	– 50287 nos
3-ph Meter	– 5186 nos
3-ph CT Meter	– 337 nos

From the above discussion, the meeting decided that the Department will submit a proposal on modalities as to introduction of new energy meters in phase manner among the consumers across the state

2) Introduction of meter compatible to MR instrument and a voiding of human interface in meter reading : Engineer-in-Chief apprised that the Energy meter compatible to MR instrument and to avoid human interface in meter reading like Automatic Meter Reading (AMR), Spot Billing Machine, etc. at the Distribution Sub-Station and Power Sub-Station is being introduced in the Department particularly under the area covered by R-APDRP. He further stated that the Department would require to evolve the system to realize revenue collection from sales within shorter time period by introducing spot billing machine, by splitting present billing cycle, etc.

The meeting agreed that the intention of MR instrument is good and the initiatives being taken by the Department is decided to go ahead.

3) Generation of Spot Billing : The meeting was informed that 10 Nos spot billing machine having features like downloadable energy meter with optical communication port for data communication with CMRI/Laptop to record/to retrieve various data had arrived for consumers under R-APDRP coverage area. It is further informed that to implement this spot billing machine, the Department needs to make separate arrangement or change the billing cycle so as to make correct energy accounting, etc.

It was decided that more thoughts is needed to conceptualize the practicability including its merits.

4) Improvement of distribution/consumers' voltage within permissible voltage regulations : Engineer-in-Chief maintained that low voltage at the receiving end is due to cascading effect of the low sending end (i.e. at 132kV level). He further added that the NERLDC was also informed about this voltage problem and DPR is being prepared for improvement scheme for 132kV in Mizoram. He further suggested that the PHE Department

may be approached to handover abandoned water tank concrete structure at various places for installation of distribution transformer and power distribution purposes.

To improve voltage within permissible voltage limit, the following initiatives are being taken under R-APDRP project as given below:

- a) Augmentation and improvement of existing DTs.
- b) Installation of new DTs where existing system is not adequate to provide at the rated level in terms of voltage, current and capacity.
- c) Replacement of existing overhead bare conductor by ABC conductor to avoid energy pilferage, leakage and short circuit.
- d) Bi-furcation of LT lines to avoid voltage drop due to overloading.
- e) Conversion of single phase into three phases.
- f) Re-conductoring of existing overloaded bare HT & LT conductor with bigger size.
- g) Construction of new EHV sub-Stations to minimize 11kV & LT lines so as to improve voltage regulation at the user end.

5) Whether the department has switch over to usage of energy meter as per CEA Meter Regulations. If not started, when it will be started. Is there approved vendor for public conveniences?: Engineer-in-Chief mentioned that switching over from existing energy meter to CEA Meter specifications is under process particularly in the project coverage area of R-APDRP. He further added that due to rainy season work could not be carried out fast as expected, and it will improve as working season progresses.

There is no approved vendor now in Mizoram for supply of energy meter conforming to CEA Meter Regulations.

6) Up-to-date status of installation of Renewable Energy plant in Mizoram & proposal to install RTPV and its connectivity with state grid and future prospect : Director, ZEDA highlighted that, as of now, Mizoram is having 29.35 MW installed Capacity from SHPs and no installation of biomass and wind. Apart from this, installations of Solar Rooftop were completed at various places in Mizoram through ZEDA, Channel Partner of MNRE and under Aizawl Solar City Programme. He further informed that generation from solar in some places is connected with the state grid networks. This connectivity even creates minor internal problems for few Consumers. Members of the Forum reacted that RTPV should not be synchronized with state grid since pertinent regulations; tariffs etc. are not yet in place.

7) Correct and timely implementation of latest tariff in computerized and non computerised billing system. And with sensitization of tariff to field staff : The meeting was kept posted with the Department's compliance with the Tariff Order for FY 2015-16 in general. But, para 1.8 & 1.9 of Tariff Schedule could not be fully implemented under Aizawl Power Circle and Champhai town under Champhai Power Circle on the plea of software constraints in re-programming of existing software.

Necessary instructions were given to all concerned Offices to carry out sensitization of tariff order to field staff under their respective jurisdiction. Further, Transmission Circle under Chief Engineer (Distribution) meeting minutes, Compliance report of Revenue Division, Aizawl under Chief Engineer (S.O) were informed in the meeting. Further, more compliance reports are forthcoming in this regard.

8. Others : It transpired during the course of meeting, little distant related issues which merit further consideration:

- (i) Engineer-in-Chief, P&ED gave brief report on the positive development on 38 MW Turini Hydel project That, recently the funding of project sought from BRICS bank was approved by the Screening Committee.
- (ii) The first Go-Live town Kolasib, under R-APDRP scheme was reported to be beset with minor technical infirmities/inadequacies, such as - single bill, printing, hitch in HT meter reading data to be transferred to central database.
- (iii) The Chairperson expressed his concerned about providing guard wire for low HT wire in the New Secretariat Complex in the interest of public and requested the Department to do the needful.

The meeting ended with vote of thanks from the chair.

Sd/- LIANNGHINGLOVA PACHUAU
Engineer-in-Chief, P&ED cum Member Convener,
State Co-Ordination Forum of Mizoram

B. Minutes of 1st Meeting of Co-ordination Forum held on 17th August, 2015 at the Conference Hall of MSPCL, Keishampat, with Shri. R.K. Kishore Singh, Member, JERC (M&M), in the chair

At the outset, the chairman of the meeting welcomed all the members of the Forum and participants in the meeting. The meeting is initiated with the Chairman explaining the necessity to constitute such a committee as per clause (4) of section 166 of Indian Electricity Act, 2003 for smooth and coordinated development of the power system in the State and then proceeded with a detailed deliberation on the agenda pertaining to MSPCL, MSPDCL and Manireda respectively.

The agenda wise discussion with the course of action to be taken/decision taken in the meeting is briefly summarized as below:

AGENDA 1 : Existing supply voltage and action taken to improve supply voltage of the consumers end : The existing supply voltage at consumers end varies from 140-210V. Voltage at the consumers end is generally low during peak hours. The voltage also corresponds to the supply voltage available at the 11 KV feeders, which ranges from 8KV to 10KV

In order to improve the supply voltage at the consumer's end the MSPDCL is taking up the following major remedial steps :

- i) Reconductoring of existing overhead LT line by suitable Aerial Bunched (AB) Cable as per details in Annex: **1(a) & I (b)**
- ii) Adding of new lines and reconductoring of 11KV overhead lines using larger size Alluminium Conductor Steel Reinforced (ACSR) Rabbit conductor as per details in **Annex: I (a)**

AGENDA 2 The existing prevailing distribution loss, the steps taken to install ABC in the LT lines and install action of DT meter and Feeder meeting up to 100% consumers' metering : Existing Distribution Loss as per (2014-15) data is 34.48 % . The huge loss is attributable to unmetered billing, un-authorized consumers & Line losses.

The Company is taking up remedial steps as follows :

- i) **Installation of AB Cable:** The company is planning for installation of AB cables for a total length of 1509.52 Km and work is already in progress. The details of achievement and target date of expected completion is given in **Annex - I (a)**.
- ii) **Installation of DT/Feeder Meters :** Installation of 1159 nos of DT meters under R-APDRP schemes have been completed in different areas in the state, further installation of 357 nos of new higher rating DT meters is in progress (details in Annex II). Installation of 72Nos of Feeder meters under R-APDRP scheme have been completed by MSPDCL. Remaining feeder meters are being provided by MSPCL and expected for completion by Nov '15 .
- iii) **100% Consumers Metering :** The total number of consumers in the state as on 31-03-2015 is 2,58,484. MSPDCL is targeting to complete metering for about 3,04,000 consumers taking into account regularization of un-authorized consumers, separation of joint family consumers and providing of new service connections within the financial year. So far metering of 1,57,171 domestic and commercial consumers have been completed as on 31-7-2015. Out of which 81,872 nos. are post-paid and 75,299 nos. are pre-paid consumers. Details in **Annexure III and IV**

AGENDA 3 : District-wise installation of pre-paid energy meter and up-to- date achievement : As pre paid metering has shown satisfactory results over the last few years by way of improving collection, reduction of demand, increase of number of legal consumers and awareness of efficient use of energy by consumers, the company has taken up steps to cover about 70% to 80% of total consumers by Pre-Paid meters under R-APDRP Part-B and State Plan schemes.

The detailed plan for installation of Pre-Paid meters under R-APDRP Part-B, State Plan-1 and State Plan-2 are given in **Annex IV**. Out of the target of 2,01,785 pre-paid meters, 75,299 meters installation has been completed by July 2015. The balance is expected completion by Dec. 2015.

With the completion of Pre-Paid metering schemes the company is expected to meet the growing demand of power in the state by the quantum of power available at present as pre-paid metered consumers will be using power economically and efficiently, and naturally its demand will reduce considerably, whereas energy sales and revenue collection will be improved.

AGENDA 4 : Progress and up-to-date achievement of extension/ replacement of transmission lines and installation/replacement of transformer, system metering from 132KV level to 33 KV level : The discussion on the subject initiated with the following observation of MD, MSPCL as detailed below:

A Observation.

- i) After the commissioning of 400 KV D/C line from Silchar to Imphal charged at 132 KV the voltage profile of the State transmission system has improved drastically.
- ii) The Completion of ongoing project taken up by the company has also helped in improving the voltage profile of the State.
- iii) The transmission system schemes (ongoing/existing) will be able to cope with the future load demand of the State for the next 10/15 years.
- iv) Managing Director (MD) MSPCL, opined that before granting autonomy to SLDC, the system should be suitably ring fenced as per guidelines of Pradhan Committee recommendations.

B: Timeline of on going Transmission project

A snap shot of the timeline of all the on-going Transmission projects as discussed and finalized in the meeting is attached as **Annexure 2**.

AGENDA 5 : Up-to date status of installation of Renewable Energy Plants in Manipur and prospect for SPV plants-Grid connect or isolated (standalone) : The Director, MANIREDA explained and highlighted to the members of the forum about the physical achievement on installation of various off-grid renewable energy systems so far installed by MANIREDA having total installed capacity of 3,939.50 kW and further stated about the installation of 3392 nos. of Solar Water Heaters in various District of Manipur which has an energy saving of 6820 kWh in a year and placed the same before the desk of the meeting. He further explained in brief about the ongoing projects, sanctioned projects, project proposals submitted to MNRE, Govt, of India and RE generation capacity perspective plan estimates of MANIREDA.

In a query of Shri R.K. Kishore, the Hon'ble member, JERC about the procedure of getting a solar home lighting system of different capacities by a common people. Shri L. Manglem Singh, Director, MANIREDA replied and stated that there is a scheme of MNRE, Gol under National Solar Mission through NABARD which provide 40% subsidy from NABARD and 40% as a loan from all Regional Rural Banks/State Co-operative Banks/District Central Co-operative Banks (repayment period of 5 years) and balance 20% shall have to be borne by the beneficiaries for getting such small capacity of solar lighting system depend on

size of the capacity. He further suggested to the members to invite the officials of NABARD and one or two officials from the leading Banks of the State in the next meeting for better co-operation and successful implementation of this particular scheme of MNRE, GOL

Director, MANIREDA further took attention of the Hon'ble member that due to limitation of fund provided in the State Budget for MANIREDA some of the MNRE sanctioned projects has been surrendered for not having State matching share. He also stated that it is necessary to develop more projects of renewable energy to fulfill RPO obligation for which more matching fund is required. In this regard, the Hon'ble member may exploit, if possible, for inclusion of 1% renewable cess in the energy billing of MSPDCL, Manipur to promote renewable energy in the state.

The meeting ended with thanks to the chair

Sd/- R.K. KISHORE

Chairman

State Co-Ordination Forum, Manipur

Annex-I(a)

DETAILED STATUS UNDER R-APDRP AS ON DATED 31st July 2015

SN	Name of Area/Town	AB Cable (LT Lines)				ACSR Rabbit Conductor (new lines & reconductoring)			
		Plan (Km)	Completed (Km)	Balance (Km)	Target for completion	Plan (Km)	Completed (Km)	Balance (Km)	Target for completion
1	IED-I	41.89	41.11	0.78	Dec. '15	8.81	4.63	4.18	Dec. '15
2	IED-II	270.15	48.44	221.71	Dec. '15	49.97	0	49.97	Dec. '15
3	IED-III	325.11	76.60	248.51	Dec. '15	38.32	2.67	35.65	Dec. '15
4	IED-IV	134.18	61.24	72.94	Dec. '15	57.36	4.37	52.99	Dec. '15
5	Thoubal	82.2	30.26	51.94	Oct. '15	35.5	11	24.5	Oct. '15
6	Kakcing	77.79	8.76	69.03	Oct. '15	39.15	5.46	33.69	Oct. '15
7	Samurou	67.9	44.54	23.36	Oct. '15	36.2	0	36.2	Oct. '15
8	Mayang Imphal	55.1	20.34	34.76	Oct. '15	36.3	0	36.3	Oct. '15
9	Moreh	27.9	13.43	14.47	Oct. '15	73.1	1.65	71.45	Oct. '15
10	Lilong	63.8	63.8	0	Oct. '15	43.3	43.3	0	Oct. '15
11	Laxmithongkhong	55.6	44.84	10.76	Oct. '15	26.7	15.12	11.58	Oct. '15
12	Lilong (I/W)	87.7	28.63	59.07	Oct. '15	42.4	8.63	33.77	Oct. '15
13	Bishnupur	38.1	32.6	5.5	Oct. '15	31.09	23.78	7.31	Oct. '15
14	Nambol	95.1	67.9	27.2	Oct. '15	64.5	47.9	16.6	Oct. '15
15	Ningthong	21	21	0	Oct. '15	18.5	16.15	2.35	Oct. '15
15	Moirang	66	59.2	6.8	Oct. '15	68.2	66.2	2	Oct. '15
	Total	1509.5	662.69	846.83		669.4	250.86	418.5	Oct. '15

Annex-I(b)

DETAILED STATUS UNDER UNDER STATE PLAN AS ON DATED 31st July 2015

S/N	Name of the Division/ Town/Area	Project Area/ State Plan	Target under State Plan 2	No. of DTR with Capacity	No. of DTR	AB Cable
						Length KM
1	Greater Imphal	Project Area	34948			
2	Thoubal	Project Area	10000			
3	Wangjing	State Plan	2000	2 nos. 100kva 5 nos. 63kva	7	14
4	Khangabok	State Plan	2000	2 nos. 250kv 2 nos. 100kva 8 nos. 63kva	12	24
5	Heirolk	State Plan	2500	2 nos. 250kva 8 nos. 100kva 5 nos. 63kva 2 nos. 25kva	17	34
6	Shangaiyumfam	State Plan	2000	1 nos. 250kva 2 nos. 100kva 10 nos. 63kva	13	26
7	Lilong Thoubal	Project Area	1800			
8	Yairipok	State Plan	1500	1 nos. 400kva 3 nos. 250kva 10 nos. 100kva 16 nos. 63kva 4 nos. 25kva	34	68
9	Kakching	Project Area	10000			
10	Wabagai	State Plan	1000	9 nos. 100kva 7 nos. 63kva 1 nos. 50kva 3 nos. 25kva	20	40
11	Kakching Khunou	State Plan	1500	1 nos. 250kva 8 nos. 100kva 2 nos. 63kva	13	26
12	Sugnou	State Plan	1500	1 nos. 250kva 4 nos. 100kva 1 nos. 63kva 1 nos. 25kva	7	14
13	Elangkhangpokpi	State Plan	1000	2 nos. 100kva 1 nos. 63kva 1 nos. 25kva	4	8
14	Pallel	State Plan	1000	4 nos. 100kva 2 nos. 63kva 1 nos. 25kva	7	14
15	Hiyanglam	State Plan	1000	6 nos. 100kva 5 nos. 63kva 2 nos. 25kva	13	26

16	Bishnupur	Project Area	2500			
17	Ningthoukhong	Project Area	700			
18	Moirang	Project Area	3000			
19	Nambol	Project Area	1000			
20	Kumbi	State Plan	1000	1 nos. 250kv 2 nos. 100kva 2 nos. 63kva	5	10
21	Wangou	State Plan	1000	1 nos. 500kva 2 nos. 250kva 3 nos. 100kva	6	12
22	Thanga	State Plan	2000			
23	Kwakta	State Plan	1000	1 nos. 400kva 5 nos. 100kva	6	12
24	Churachandpur	State Plan	20000	98	98	196
25	Samurou	Project Area	1000			
26	Senapati	State Plan	12000	15	15	30
27	Kangpokpi	State Plan	2000	8	8	13
28	Ukhrul	State Plan	5000			
29	Chandel	State Plan	3000			
30	Moreh	Project Area	2000			
31	Tamenglong	State Plan	4000			
32	Jiribam	State Plan	2000	8	8	16
	Total		136948			586

Annex-II

DETAILED STATUS AS ON DATED 31st July 2015

Sl. No.	Name of Area/Town	Installation of new DT Meters in 100KVA & 250 KVA			
		Plan (Nos.)	Completed (Nos)	Balance (Nos)	Target for completion
1	IED-I	9	9	0	Dec. '15
2	IED-II	48	6	42	Dec. '15
3	IED-III	27	8.00	19	Dec. '15
4	IED-IV	37	13	24	Dec. '15
5	Thoubal	27	13	14	Oct. '15
6	Kakcing	27	9	18	Oct. '15
7	Samurou	14	14	0	Oct. '15
8	Mayang Imphal	12	2	10	Oct. '15
9	Moreh	34	12	22	Oct. '15
10	Lilong	15	15	0	Oct. '15
11	Laxmithongkong	11	11	0	Oct. '15
12	Lilong (I/W)	11	11	0	Oct. '15
13	Bishnupur	25	25	0	Oct. '15
14	Nambol	29	26	3	Oct. '15
15	Ningthong	14	9	5	Oct. '15
16	Moirang	17	10	7	Oct. '15
	Total	357	193	164	

POSTPAID METER (Status as on dated 31st July 2015)

Sl. No.	Towns/Division/ Sub-Division	Target under RAPDRP Pt. B	Installation till date	Plan for Completion
1	IED-II	12303	12206	Completed
2	IED-III	6279	3799	Completed
3	IED-IV	4967	4112	Completed
4	Thoubal	18079	15874	31.11.15
5	Kakching	11000	10173	31.9.15
6	Bishnupur	15000	9541	31.11.15
7	Ccpur	12428	11543	31.9.15
8	Ukhrul	3000	2970	Completed
9	Senapati	3000	2833	31.9.15
10	Kangpokpi	1000	925	31.9.15
11	Jiribum	4301	3800	Completed
12	Tamenglong	2994	2704	Completed
13	Chandel	2500	1401	Completed
	Total	96851	81872	

DISTRICT WISE PREPAID METER INSTALLATION STATUS AS ON 31ST JULY, 2015

Sl. No.	Towns/Divisions/ Sub-Divisions	Target Under				Installation till date	Plan for completion	Remarks
		RAPDRP Pt.B	State Plan 1	State Plan 2	Total			
1	Greater Imphal	36052	14000	34948	85000	51621	30.10.15	Imphal East&West
2	Thoubal	6320		10000	16320	6052	31.10.15	Thoubal
3	Wangjing			2000	2000	270	31.12.15	Thoubal
4	Khangabok			2000	2000	386	31.12.15	Thoubal
5	Heirok			2500	2500	785	31.12.15	Thoubal
6	Shangaiyumfam			2000	2000	0	31.12.15	Thoubal
7	Lilong Thoubal	1200		1800	3000	1200	30.11.15	Thoubal
8	Yairipok			1500	1500		31.12.15	Thoubal
9	Kakching	801		10000	10801	2301	30.11.15	Thoubal
10	Wabagai			1000	1000		31.12.15	Thoubal
11	Sugno & Kakching Khunou			3000	5000		30.11.15	Thoubal
	Elangkhangpokpi			1000	1000		31.12.15	Thoubal
12	Hiyanglam			1000	1000		31.12.15	Thoubal
13	Bishnupur	2432		2500	4932	2432	30.11.15	Bishnupur
14	Ningthoukhong	1666		700	2366	1595	30.11.15	Bishnupur
15	Moirang	3121		3000	6121	2851	30.11.15	Bishnupur
16	Nambol	1847		1000	2847	1232	30.11.15	Bishnupur
	Kumbi			1000	1000		31.12.15	Bishnupur
	Wangou			1000	1000		31.12.15	Bishnupur

Sl. No.	Towns/Divisions/ Sub-Divisions	Target Under				Installation till date	Plan for completion	Remarks
		RAPDRP Pt.B	State Plan 1	State Plan 2	Total			
	Thanga			2000	2000		31.12.15	Bishnupur
	Kwakta			1000	1000		31.12.15	Bishnupur
17	Ccpur			20000	20000	2776	30.10.15	CCPUR
18	Mayang Imp	1168			1168	1168	30.11.15	Imphal West
19	Laxmithoungkhng	630			630	630	30.11.15	Imphal West
20	Samurou			1000	1000		30.11.15	Imphal West
21	Senapati			12000	12000		30.10.15	Senapati
22	Kangpokpi			2000	2000		30.10.15	Senapati
23	Ukhrul			5000	5000		30.11.15	Ukhrul
24	Chandel			3000	3000		30.11.15	Chandel
	Moreh			2000	2000		30.11.15	Chandel
25	Tamenglong			4000	4000		30.11.15	Tamenglong
26	Jiribam			2000	2000		30.11.15	Imphal East
	Total	55237	14000	135948	207185	75299		

Annexure 2

TIMELINE OF ON GOING TRANSMISSION PROJECT

Table-1

400 KV System			
Sl. No.	Name of the Work	Remark	Time line of completion
1	Installation of 400/132KV, 7×105 MVA Single Phase Transformer at Thoubal Khunou with associated line	Works started	August 2018

Table-2

132 KV System			
Sl. No.	Name of the Work	Remark	Time line of completion
1	Renovation & Modernisation of 132 KV S/S at Yurembam by installing 3×31.5 MVA, 132/33 KV transformer with associated equipment & materials under Plan/SPA/NEC	3 rd Transformer being charge	August 2015
2	Renovation & Modernisation of 132/33 KV Sub-Stations located at – i) Kakching, ii) Karong, and iii) Churachandpur Phase-II	About 80% work completed	October 2015
3	Installation of 2×12.5 MVA, 132/33 KV Sub-station along with the associated 132 KV line & related civil works at Thanlon, Churachandpur District	20% completed	August 2016
4	Renovation & Modernisation of 132/33 KV at Yaingangpokpi	90% completed	August 2015

Table-3

33 KV System			
Sl. No.	Name of the Work	Remark	Time line of completion
1	Installation of 33/11 KV Sub-station at Thoubal Leisangthem with associated line under SPA	95% completed	Completed
2	Erection of 33 KV feeder from Power Grid Sub-Station to Yurembam Sub-Station on turn Key basis under Plan/SCA	Only 33 KV Cabling left	September 2015
3	Installation of 2×1 MVA, 33/11 KV Sub-station at Henglep along with the associated 33 KV line and related civil works on turn key basis	80% completed	October 2015
4	Construction of 33 KV D/C line from Leimakhong to Iroisemba	99 % completed	August 2015
5	Installation of 2×2.5 MVA, 33/11 KV Sub-station along with the associated 33KV line & related civil works at Gelnel, Senapati District	40 % completed	September 2015
6	Installation of 2×2.5 MVA, 33/11 KV Sub-station along with the associated 33KV line & related civil works at Khongjom, Thoubal District	95% completed	Completed
7	Installation of 2×2.5 MVA, 33/11 KV Sub-station along with the associated 33KV line & related civil works at Nungbi Khullen, Ukhru District	20% completed	December 2015
8	Installation of 2×2.5 MVA, 33/11 KV Sub-station along with the associated 33KV line & related civil works at Sugunu, Thoubal District	90% completed	September 2015
9	Installation of 2×5 MVA, 33/11 KV S/S Power House Site of Loktak Down Stream HEP	40% completed	November 2015

Table-4

SLDC			
Sl. No.	Name of the Work	Remark	Time line of completion
1	Installation of RTUs in 132/33 Sub-station is going on	50 % completed	Integration is to be taken up through optical fibre. Due to the longer time to be taken in purchasing of optical fibre, it is being planned to integrate the existing 132/33 KV S/S on temporary basis through PLCC is to schedule to the completed by October 2015
2	SLDC integration for 33/11 KV Sub-stations	Tender in progress	

Table-5

Metering			
Sl. No.	Name of the Work	Remark	Time line of completion
1	132 KV : Work order for 47 nos. of 132 KV Energy meters with panels being awarded		October 2015
2	33 KV : Work order for 153 nos. of 33 KV Energy meters with panels being awarded		
3	1 KV : Work order for 273 nos. of 11 KV Energy meters with panels being awarded		

4. ORGANIZING INTERACTIVE WORKSHOP ON CONSUMER AWARENESS

Under Electricity Act, 2003, the Commission is mandated to safeguard the interests of the State consumers and ensure that all consumers are provided with reliable, safe and uninterrupted power supply at reasonable rates. The Electricity Act 2003 also provides wide ranging provisions to protect the interest of consumers. It gives electricity consumers a statutory right if minimum standards of supply and service. The Commission's approach to consumer protection has been proactive from the inspection and in order to fulfil its legal obligation, the Commission has undertaken a number of steps to empower electricity consumers. In the interest of the consumers who are yet to realize that their interests and expectations are well protected by the EA 2003 and relevant Regulations, the Commission organized series of Interactive Workshop on "Electricity Consumers Awareness" at suitable public places in Manipur and Mizoram in association with the Service Provider, Journalists, Consumers' Union, Intellectual circle, Senior Citizens and other voluntary organizations and through its empanelled organizations.

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, the Commission jointly with the P&E Department, Mizoram conducted 1(one) workshop and Jointly with Power Company, Manipur conducted 11(eleven) workshops as given below:

Mizoram

1. One Day Workshop on Electricity Consumers Awareness at Aizawl on 27th October, 2015 (Tuesday).



Electricity & Related Issues Sensitization in Aizawl, Mizoram on 27.10.2015 (Tuesday)

Manipur

1. Churachanpur on 18th May, 2015 (Monday)
2. Moreh on 19th May, 2015 (Tuesday)
3. Chandel on 20th May, 2015 (Wednesday)
4. Kaching on 20th July, 2015 (Monday)
5. Kangpokpi on 21st July, 2015 (Tuesday)
6. Senapati on 23rd July, 2015 (Thursday)
7. Thoubal on 12th October, 2015 (Monday)
8. Kaching on 13th October, 2015 (Tuesday)
9. Senapati on 7th December, 2015 (Monday)
10. Bishenpur on 9th December, 2015 (Wednesday)
11. Conference on Electricity & Related Issues Sensitization in Manipur on 29th June, 2016 (Wednesday)

5. TARIFF ORDERS

For the fifth time, the Commission issued tariff order for FY 2016-17 on 29th February, 2016 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 till the next tariff orders are issued.



Demand Side Management Hearing at Commission's office, Aizawl on 12.2.2016

6. 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 the 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 2016-2017.

7. 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 authorised by this Act,

- 4) The State Government may, in consultation with the Comptroller and Auditor-General of India, prescribe 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.

8. REGULATORY DISPUTES.

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

9. 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 and directed the State Power Departments 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.



Consumer Awareness Awareness at Bishenpur on 9th December, 2015

10. 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. L.Pachhuau, Chief (Engineering) of the Commission has been designated as Electricity Ombudsman for Manipur and Mizoram as an Interim- arrangement.

No Complain/Petitions have been filed to the Electricity Ombudsmen during the period under Report.

11. 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, Manipur State Power Company Limited (MSPCL) and Manipur State Power Distribution Company Limited (MSPDCL) 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 as and when felt necessary
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

12. 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.

13. 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.

The notifications issued by the two states government are at Annexure VI & VII

14. 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.

This society will be called “Manipur State Load Despatch Centre” and will be registered under Manipur Societies Registration Act. A copy of the notification is at Annexure VIII.

15. DEMAND SIDE MANAGEMENT

The Commission has issued an Order on the petition for implements of Domestic Efficient Lighting programme (DELP) for LED bulbs in Mizoram filed by the Power & Electricity Department Government of Mizoram. A copy of the Commission’s Order is at Annexure IX.

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 – X.

2. ACCOUNTS OF THE COMMISSION

The Commission received fund as Grant-in-Aid amounting to Rs 34,021,538.00/- from the State Governments of Manipur and Mizoram for utilization during April, 2015 to March, 2016.

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

Details Receipts and Payments accounts for the month of April '15-March '16 (GIA)

Sl No	Receipts	Amount (₹)	Sl No	Payment	Total Amount drawn (₹)	Adjustment in reduction of Expenditure	Actual Expenditure (₹)
	To-			By-			
1	Opening Balance		1	Pay and allowances			
	(i) On Current a/c	8,888,538		i) Chairperson & Member	1,679,624		1,679,624
	(ii) Cash in hand	50,000		Licence fee	6,950		6,950
2	GIA received from Govt. of Manipur on 12.8.15	4,047,000		ii) Officers & Staff	9,198,010	16,146	9,181,864
			2	Remittances GPF	473,115		473,115
3	GIA received from Govt. of Mizoram on 16.9.2015	4,047,000		SGEGIS: IF	3,360		3,360
				SF	1,460		1,460
				Licence fee	4,900		4,900
4	GIA received from Govt. of Manipur on 20.11.15	4724000		NPS Contribution	864,051		864,051
				NPS Matching Share	864,051		864,051
5	GIA received from Govt. of Mizoram on 11.3.2016	7,805,000	3	Employees retirement & terminal benefit			0
			4	Allowances & Bonus / CEA	221,106		221,106
6	GIA received from Govt. of Manipur on 29.3.2016	3,887,000	5	Rent/rates/taxes			0
				Licence fee for retention of Qtrs.			0
7	GIA received from Govt. of Mizoram on 30.3.2016	623,000	6	Insurance	56,904	21	56,883
			7	Medical Treatment	468,628		468,628
			8	Travelling Expenses	1,320,158	44,492	1,275,666

9	L.T.C	174,700		174,700
10	Wages	1,604,000		1,604,000
11	Electricity & Power	26,381		26,381
12	Water Charges			0
13	Repair & Maintenance			0
	i) Furniture & Fixtures	2,500		2,500
	ii) Machinery & Equipment	81,645		81,645
	iii) Building			0
14	Vehicle running & Maint	416,533		416,533
15	Postage	27,045		27,045
16	Telephone & Communications	260,497		260,497
17	Printing	232,920		232,920
18	Publication			0
19	Newspaper/periodicals	70,601		70,601
20	Expenses on Fee	315,977		315,977
21	Advertisement & Publicity	69,600		69,600
22	Stationery	133,237		133,237
23	Petrol & lubricants	349,593		349,593
24	Books	73,150		73,150
25	Seminars & Workshop	424,200	92,923	331,277
26	Subscription fee	2,700,000	1,800,000	900,000
27	Travelling & Conveyance (Hire of Conveyance)	10,500		10,500
28	Leave salary & Pension Contribution	223,411		223,411
29	Furniture & Fixtures	44,400		44,400
30	Machinery & Equipment	75,146		75,146
31	Motor vehicle			0
32	Consultancy Charges	2,009,250	1,953,582	2,009,250
33	Other Office Expenses	121,988		121,988
	Total Payment	24,609,591		22,656,009
	Bank Balance			11,365,529
	Cash Balance			50,000
	GRAND TOTAL	34,021,538		34,021,538

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 28 (Twenty-eight) 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 –XI.

CHAPTER – IV

BASIC ELECTRICITY STATISTICS

Table-I: Category wise Consumers and Connected load

MANIPUR

Sl. No.	Category	2013-2014		2014-2015		2015-2016 (Prov.)	
		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
1	Domestic	214533	301826	242562	317523	263024	332294
2	Commercial	11514	32809	12100	33837	12781	34897
3	Public Lighting	466	1006	469	1016	457	1027
4	Public Water Works	170	20265	172	20303	174	19851
5	Irrigation and agriculture	62	947	63	1035	64	1131
6	Small Industry	2084	15909	2308	16404	2609	16914
7	Medium Industry	78	7820	81	8096	84	8381
8	Large Industry	22	2550	23	2433	33	2321
9	Bulk Supply	694	48858	694	50758	785	52732
	Total	229623	431990	258472	451405	280011	469548

MIZORAM

Sl. No.	Category	2013-2014		2014-2015		2015-2016 (Prov.)	
		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
1	Domestic	186792	232221	189312	270971	198520	274477
2	Commercial	7537	40813	11985	43435	14400	51372
3	Public Lighting	755	1668	803	1620	1524	1609
4	Irrigation and agriculture	19	103	21	104	21	104
5	Public Water Works	48	35164	49	36001	57	37723
6	LT Industrial	688	4902	777	5859	875	4842
7	HT Industrial	11	7366	18	10646	21	9848
8	Bulk Supply	150	12674	159	12882	152	14346
	Total	196000	334911	203124	381518	215570	394321

Source: Tariff Petition & Tariff Orders

Table-II: Growth of Energy Consumption

Figures in MU

Sl. No.	Category	2013-14 (Actual)	2014-15 (Actual)	2015-16 (Provisional)
1	2	3	4	5
A.	MANIPUR			
1	Domestic	214.53	256.64	286.74
2	Commercial	34.39	35.83	38.64
3	Public Lighting	5.49	4.40	4.52
4	Public Water Works	28.25	16.99	16.04
5	Irrigation and Agriculture	3.12	2.41	2.97
6	Small Industry	14.86	18.13	19.54
7	Medium Industry	2.37	2.79	3.04
8	Large Industry	14.38	8.22	7.27
9	Bulk Supply	97.61	96.86	106.28
10	Temporary Power Supply	0.09	0.03	0.01
	Total(A)	415.09	442.30	485.05
B.	Mizoram			
1	Domestic	203.84	217.79	248.00
2	Commercial	23.58	34.01	29.00
3	Public Lighting	7.47	7.20	8.00
4	Public Water Works	40.21	46.68	47.00
5	Irrigation and Agriculture	0.05	0.04	0.11
6	Industrial(LT)	2.10	1.87	3.00
7	Industrial(HT)	4.99	6.77	3.00
9	Bulk Supply	20.18	12.48	24.00
10	Temporary Power Supply		0.37	
	Total(B)	302.42	327.21	362.11

Source: Tariff Orders

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

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
A. MANIPUR					
1	2008-09	2621181	2596739	197.22	75.95
2	2009-10	2670995	2646088	211.69	80.00
3	2010-11	2721756	2696376	271.10	100.54
4	2011-12	2772517	2747137	324.84	118.25
5	2012-13	2824224	2798371	379.06	135.46
6	2013-14	2876896	2850560	415.09	145.62
7	2014-15	2930550	2903723	442.30	152.32
8	2015-16(Prov)	2985205	2957878	485.05	163.99
<i>Note: Population is worked out based on Decadal growth rate of 18.65% as per Census 2011.</i>					
B. Mizoram					
1	2008-09	1041874	1030007	165.38	160.56
2	2009-10	1066161	1054018	190.70	180.93
3	2010-11	1091014	1078588	237.56	220.25
4	2011-12	1115867	1103441	252.06	228.43
5	2012-13	1141286	1128577	286.59	253.94
6	2013-14	1167284	1154285	302.42	262.00
7	2014-15	1193875	1180580	327.21	277.16
8	2015-16(Prov)	1221071	1207473	362.11	299.89
<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

Sl. No.	Particulars	2013-14	2014-15	2015-15 (Provisional)
1	2	3	4	5
A. MANIPUR				
1	Energy import at State periphery	603.69	762.04	786.97
2	Energy sold within the State	415.09	442.30	485.05
3	T&D Losses	188.60	319.74	301.92
4	Percentage T&D Losses	31.24%	41.96%	38.36%
B. Mizoram				
1	Energy import at State periphery	451.16	476.45	494.95
2	Energy sold within the State	302.42	327.21	362.11
3	T&D Losses	148.74	149.24	132.84
4	Percentage T&D Losses	32.97%	31.32%	26.84%

Source: Tariff Orders

Table-V : Employee Strength

Sl. No.	Particulars	MSPCL	MSPDCL	Total Manipur	Total Mizoram
1.	Regular Employees	715	1,765	2,480	1,649
2.	Contract Employees	34	61	95	3
3.	Work Charged	113	207	320	497
4.	Muster Roll	12	26	38	2,170
TOTAL		874	2,059	2,933	4,319

Source : 1) Letter No. 14/1/JERC/2014-15/MSPCL-FA/1278-78 Dt. 12.1.2017.
 2) Letter No. 2/49/2016/MSPDCL/Comml/1169-72 Dt. 12.1.2017.
 3) Letter No. T-23012/15-EC(P)/Com/67 Dt. 25.1.2017.



One Day Workshop Consumer Awareness Manipur on 12th October, 2015

CHAPTER – V

REGULATORY PROCEDURES

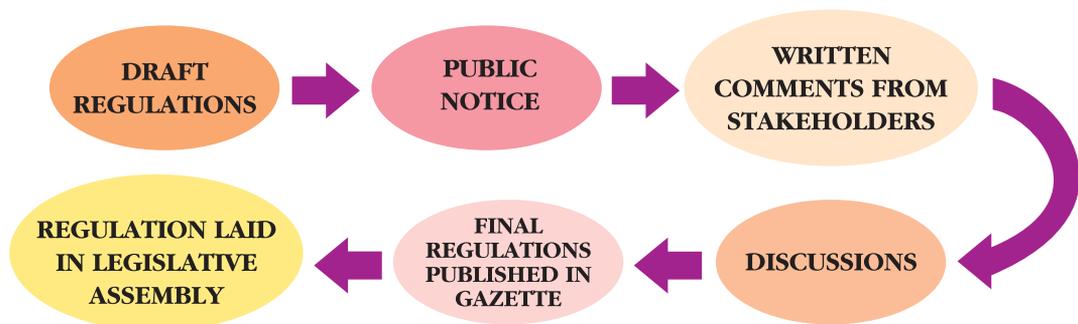
The Commission in discharge of its functions under the provisions of the Electricity Act, 2003:

1. Notifies Regulations
2. Issues orders on petitions relating to
 - Determination of different tariff of electricity.
 - Grant of license
 - Review and miscellaneous petitions.

5.1. Procedure for Regulations

The Commission follows a detailed and transparent process before issuing a Regulation. To start with a draft regulation is developed on the issue on which it is proposed to be made.

The draft regulation is then given wide publicity through electronic and print media inviting comments and suggestions from stakeholders. On receipt of the comments, the issues are discussed thread bare. As per the requirement of the Act, the drafts Regulations then undergo the process of ‘Previous Publication’. This implies that the drafts Regulations are published for comments from the stakeholders. It is only after receipt and consideration of the comments that the Regulations are finally published/notified in the Gazette of Manipur and Mizoram.



5.2. Procedure for orders on petitions

Petitions/Applications are made before the Commission primarily for

- Retailed Tariff determination
- Tariff determination for generation and transmission;
- Grant of license for intra-state trading in electricity.

Apart from the above, the following petitions/applications can also be filed before the Commission:-

- Miscellaneous Petition
- Review Petition

The applicant file with the Commission petitions along with prescribed fee. The applicants are also required to publish their application on their website and give notice in newspapers inviting objections and suggestions from the public. Thereafter, public hearing are held where the petitioners and the respondents argue their case before the Commission. The Commission passes final orders on the petition after hearing all concerned. The petitioners and the respondents are allowed under the law to file for review before the Commission or appeal against the orders of the Commission before the Appellate Tribunal for Electricity within specified period.

5.3. Process and Principles of Tariff Determination

Prior to the creation of the Commission, the tariff were being determined by the Governments of Manipur and Mizoram through specific notification. As per the requirement of the Act, the determinations of tariff inter-alia are now entrusted to its Commission. In order to discharge this task, the Commission was required to finalize terms & conditions of tariff. After going through transparent process of views and comments of all stakeholders, the Commission finalized and notified Terms & Conditions of Tariff.

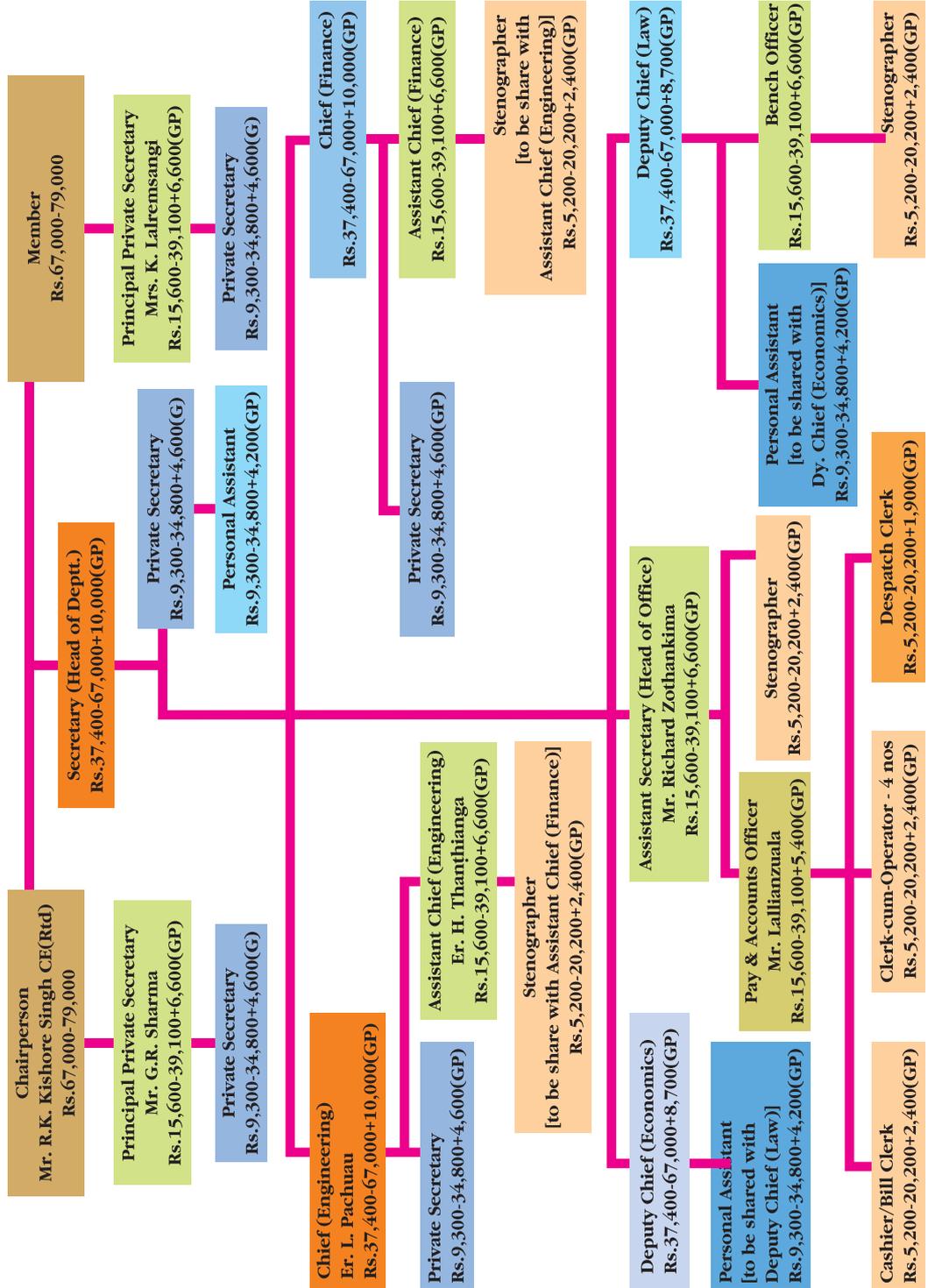
The tariff is determined as per the Regulations on Terms and Conditions of Tariff as applicable from time to time. The terms and conditions contain the financial norms and technical norms. The tariff is usually called the cost plus tariff because the capital cost of the project is the starting point for tariff calculations. It would be more appropriate to call it regulated tariff because other than actual capital expenditure, most of the financial & technical parameters adopted for tariff are normative and not actual.

The tariff calculation are quite elaborate, as various elements going into the tariff are computed individually to arrive at the full tariff. The retailed tariff shall be different for different categories of consumers based on the subsidy provided by the State Governments. The tariff shall be different for each generating station also depending on its admitted capital cost, base fuel price & Gross Calorific Value (GCV) and applicable norms of efficient operation. The exercise is time consuming but essential to ensure that the distribution, transmission and generators function in an efficient and economic manner and do not misuse their dominant position to extract high prices from the buying utilities.

The Commission also take the consultancy services of the Administration Staff College of India, Hyderabad in the retail Tariff determination.

Annexure – I

ORGANISATION CHART OF JOINT ELECTRICITY REGULATORY COMMISSION FOR MANIPUR AND MIZORAM



Annexure – II (A)

Manipur Gazette



EXTRAORDINARY
PUBLISHED BY AUTHORITY

No. 486

Imphal, Friday, November 6, 2015

(Kartika 15, 1937)

JOINT ELECTRICITY REGULATORY COMMISSION FOR MANIPUR AND MIZORAM

NOTIFICATION

Dated Aizawl, the 26th October 2015

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 Secretary Ex-officio Member
3. Consumer Affairs, Food and Civil Supplies Ex-officio Member
Department, Govt. of Manipur
4. Director, Industries Department, Govt. of Manipur..... Member
5. Director, Manipur Renewable Energy Development Member
Agency (MANIREDA), Second Floor, Secured Office,
2nd MR Gate, North AOC, Imphal, Manipur – 795001
6. Director, Agriculture Department, Govt. of Manipur Member
7. Dr. Ch. Ibohal Meitei, Professor Member
Manipur Institute of Management Studies
Manipur University, Canchipur - 795003
8. Dr. L. Sadananda Singh, General Secretary Member
Senior Citizens for Society, Singjamei Mathak
Chongtham Leikai, Imphal

9. Mr. Elangbam Dolendra Singh, Advisor Member
All Manipur Power Consumers' Association
Wangkhei Meihoupham, Lampak, Imphal
10. Mr. Irengbam Arun, Senior Journalist, Member
All Manipur Working Journalists' Union
Manipur Press Club Building, Majorkhul, Imphal
11. Mr. S. Rishikumar Singh, President Member
All Manipur Entrepreneurs' Association
Takyel Industrial Estate, Imphal
12. President, Consumers' Club, Manipur Member
Paona Bazar, Diamond Gali, Imphal West-1
13. Dr. Chongtham Narendra Singh (Advocate), Member
Former President, District Consumer Redressal Forum (Imphal),
Keisamthong Top-Leirak, Imphal - 795001
14. Mr. G. Khupchinpau (Advocate), Member
New Lamka, Churachandpur District, Manipur
15. Mr. Dili, Social Worker Member
Karong Village, Senapati District, Manipur
16. Mr. S.K. Sunny Lamkang, Social Worker Member
Daapi Village, Chandel District, BPO Chandel, Manipur
17. Mr. Basantakumar Wareppa, Programme Executive Member
Human Right Alert, Kwakeithel Thiyam Leikai, Imphal
18. Mrs. Shijagurumayum Sadhana Devi, Member
Member, District Consumer Redressal Forum (Bishnupur)
Moirankhom, Imphal - 795001
19. Dr. M. Binota Devi, Associate Professor, Member
Department of Economics, Imphal College, Imphal - 795001
20. Dr. Lucy Jajo Symrey, Associate Professor, Secretary
Department of Economics, DM College of Arts, Imphal - 795001
21. Secretary, JERC for Manipur and Mizoram Member-Secretary

By order of the Commission
Sd/- RICHARD ZOTHANKIMA
Assistant Secretary

Manipur Gazette

**EXTRAORDINARY
PUBLISHED BY AUTHORITY**

No. 66

Imphal, Thursday, May 26, 2016

(Jyastha 5, 1938)

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

NOTIFICATION

Dated Aizawl, the 1st March, 2016

No. H. 11019/3/08-JERC: In continuation and in partial modification of this Commissions' Notification of even number dated 26th October, 2015 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 included Mrs. Dr. R.K. Tamphasana, Associate Professor, Department of History, G.P. Women's College, Imphal, Manipur as Member of State Advisory Committee of Manipur who will replace Mrs. Dr. Lucy Jajo Shimray, Associate Professor, Department of Economics, D.M. College of Arts, Imphal, Manipur with immediate effect and upto 26th October, 2017.

By order of the Commission
Sd/- RICHARD ZOTHANKIMA
Assistant Secretary

Annexure – III (A)

The Mizoram Gazette
EXTRAORDINARY
Published by Authority

RNI No. 27009/1973**Postal Regn. No. NE-313(MZ) 2006-2008**

 Vol.-XLIII Aizawl Thursday 14.8.2014 Sravana 23, S.E. 1936, Issue No. 413

NOTIFICATION

No. H. 11019/3/08-JERC the 8th August, 2014. In pursuance of Section 87 of the Electricity Act, 2003 and provisions under the Joint Electricity Regulatory Commissions for Manipur and Mizoram (Constitution of State Advisory Committee and its Function) Regulations, 2010, the Joint Electricity Regulatory Commissions for Manipur and Mizoram hereby reconstitutes the State Advisory Committee for the State of Mizoram with the following composition. The Term of the Commission 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 Ex-officio Member
Food, Civil Supplies and Consumer Affairs Department
4. Secretary, Power and Electricity Department Member
5. Engineer-in-Chief, PHE Department Member
6. Director, Industry Department Member
7. Director, Trade and Commerce Department Member
8. Chief Executive Officer, Aizawl Municipal Council Member
9. Director, Zoram Electricity Development Agency Member
10. President Member
Mizoram Chamber of Industries and Commerce

11. President Member
Mizoram Consumers' Union Gen. Hqrs., Aizawl
12. President Member
Mizoram Hmeichhe Insuihkhawm Pawl Gen. Hqrs., Aizawl
13. President Member
Central Young Mizo Association
14. President Member
All Mizoram Farmers' Union Gen. Hqrs., Aizawl
15. President Member
Mizoram Upa Pawl Gen. Hqrs., Aizawl
16. Er. C.L. Thangliana, Rtd., E-in-C, P&E Department Member
17. Prof. H.. Lalramnghinglova Member
Deptt. of Env. Sciences, Mizoram University
18. Director, Transport Department Member
19. Director, LAD Member
20. President Member
Mizoram Journalists' Association
21. Prof. Vanlalchhawna, Member
Deptt. of Economics, Mizoram Univerisity
22. Secretary, JERC for Manipur and Mizoram Member-Secretary

By Order of the Commission
Sd/- RICHARD ZOTHANKIMA
 Assistant Secretary

Annexure – III (B)



The Mizoram Gazette
Published by Authority

RNI No. 27009/1973 Postal Regn.

No. NE-313(MZ) 2006-2008

Vol.-XLIII

Aizawl Friday

22.8.2014

Sravana 23, S.E. 1936,

Issue No. 34

GOVERNMENT OF MIZORAM
PART-I
Appointments, Postings, Transfer, Powers, Leave
and Other Personal Notices and Orders
(ORDERS BY THE GOVERNOR)

CORRIGENDUM

No. H. 11019/3/08-JERC the 14th August, 2014. In the interest of public service and in partial modification of this Office Notification issued vide letter of even no. dated 8.8.14, the name of the below mentioned Member of the State Advisory Committee of Mizoram is to be read as :

16) Er. C.L. Thangliana, E-in-C, P&E Department (Rtd.) & the Secretary to the Government of Mizoram (Rtd.).

All other terms and conditions remains the same.

By order of the Commission
Sd/- RICHARD ZOTHANKIMA
Assistant Secretary

**GOVERNMENT OF MANIPUR
SECRETARIAT : POWER DEPARTMENT**

ORDERS BY THE GOVERNOR: MANIPUR

Imphal, the 28th June, 2014

No.9/8/2009-Power: In partial modification of this Government order of even number dated 20.10.2010, the Governor of Manipur is pleased to re-constitute a '**Co-ordination Forum**' consisting of the following members with immediate effect and until further orders:

- | | |
|---|----------|
| 1. Chairman, Joint Electricity Regulatory Commission
(Manipur & Mizoram) | Chairman |
| 2. Member Joint Electricity Regulatory Commission
(Manipur & Mizoram) | Member |
| 3. Managing Director, Manipur State Power Company Limited | Convener |
| 4. Managing Director
Manipur State Power Distribution Company Limited | Member |
| 5. Director, MANIREDA, Imphal | Member |

Periodicity of the Forum of meeting shall be in February and August every year.

The function of the Forum shall be as follows:

- a) To facilitate attracting adequate investment for development of the power system in the state
- b) To facilitate smooth and reliable operation of the State Grid at intrastate level
- c) To facilitate connectivity to the Grid for generating companies and to the distribution companies and open access to the transmission and distribution system for licensee/beneficiaries and open access customers
- d) To facilitate and evolve consensus on any other aspect of the development of power system as referred to the forum by the State Government.

By Orders & in the name of Governor
Sd/- **RAJESH AGRAWAL**
Commissioner (Power)
Government of Manipur

Annexure –V

**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT**

NOTIFICATION

Dated Aizawl the 12th July, 2010

No.B.16012/27/2008-P&E/Pt.III : In continuation of this Notification of even No. dt.5.8.2009, the Governor of Mizoram is pleased to designate Engineer-in-Chief (P&E) as Member-Convener in the State Co-Ordination Forum.

Consequence to the above, the composition of the State Co-Ordination Forum for Mizoram will be as below :

1. Chairperson : Chairman, JERC
2. Member-Convener : Engineer-in-Chief, P&E Department
3. Member : 1) Member, JERC
2) Joint Secretary, P&E Department
3) Director, ZEDA

The State-Co-Ordination Forum may meet at least once in 3 (three) months.

Sd/- JOLLY NEWMAN

Joint Secretary to the Govt. of Mizoram
Power & Electricity Department

Memo No.B.16012/27/2008-P&E/Pt.III

Dated Aizawl, the 12th July, 2010

- Copy to :
1. Sr. PPS to Chief Secretary, Mizoram
 2. Chairman, JERC - Chairperson, State Co-Ordination Forum
 3. Member, JERC - Member, State Co-Ordination Forum
 4. Engineer-in-Chief (P&E), Member, State Co-Ordination Forum
 5. Director, ZEDA - Member, State Co-Ordination Forum
 6. Assistant Secretary, JERC for Manipur & Mizoram
with reference to his letter No.H.11019/24/09-JERC dt. 25.6.2010
 7. Guard File

Sd/- NGURSAILOVA SAILO

Under Secretary (Tech) to the Govt. of Mizoram
Power & Electricity Department

**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT**

NOTIFICATION

Dated Aizawl the 25th May, 2015

No.B.19015/20/2015-P&E : In the interest of public service, the Governor of Mizoram is pleased to constitute 'District Electricity Committee' for **Aizawl District** to review and monitor the implementation of all Central Scheme in the power sector in the District consisting of the following members:

1. Chairperson/Co-Chairperson – MP, Lok Sabha/Rajya Sabha
 2. Convener – Dy. Commissioner, Aizawl
 3. Member Secretary – Chief Engineer (SO)
 4. Members –
 - 1) Superintending Engineer, Aizawl Power Circle, Aizawl
 - 2) Superintending Engineer, Transmission Circle, Aizawl
 - 3) Chief Manager, Power Grid Corporation of India, Ramrikawn, Aizawl
 - 4) All MLAs within Aizawl District
-
- a) The Committee will meet at least once in 3 months at the District Headquarters.
 - b) The Committee shall be consulted in the preparation of Detail Project Reports under Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) and would monitor the implementation of these schemes in the District.
 - c) The Committee would also review the quality of power supply and consumer satisfaction and would promote energy efficiency and energy conservation.
 - d) Minutes of the meeting will be issued by the Convenor.
 - e) It will responsibility of the Member Secretary to ensure that requisite meetings take place and a quarterly report is sent to the Nodal Agency i.e. RFC & PFC as the case may be.

Sd/- **R.K. GUPTA**

Commission & Secretary to the Govt. of Mizoram
Power & Electricity Department

Annexure – VI(B)**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT****NOTIFICATION**

Dated Aizawl the 25th May, 2015

No.B.19015/20/2015-P&E : In the interest of public service, the Governor of Mizoram is pleased to constitute 'District Electricity Committee' for **Champhai District** to review and monitor the implementation of all Central Scheme in the power sector in the District consisting of the following members:

1. Chairperson/Co-Chairperson – MP, Lok Sabha/Rajya Sabha
 2. Convener – Dy. Commissioner, Champhai
 3. Member Secretary – Superintending Engineer, Champhai
Power Circle, Champhai
 4. Members – All MLAs within Champhai District
- a) The Committee will meet at least once in 3 months at the District Headquarters.
 - b) The Committee shall be consulted in the preparation of Detail Project Reports under Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) and would monitor the implementation of these schemes in the District.
 - c) The Committee would also review the quality of power supply and consumer satisfaction and would promote energy efficiency and energy conservation.
 - d) Minutes of the meeting will be issued by the Convener.
 - e) It will responsibility of the Member Secretary to ensure that requisite meetings take place and a quarterly report is sent to the Nodal Agency i.e. RFC & PFC as the case may be.

Sd/- **R.K. GUPTA**

Commission & Secretary to the Govt. of Mizoram
Power & Electricity Department

**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT**

NOTIFICATION

Dated Aizawl the 25th May, 2015

No.B.19015/20/2015-P&E : In the interest of public service, the Governor of Mizoram is pleased to constitute 'District Electricity Committee' for **Kolasib District** to review and monitor the implementation of all Central Scheme in the power sector in the District consisting of the following members:

1. Chairperson/Co-Chairperson – MP, Lok Sabha/Rajya Sabha
 2. Convener – Dy. Commissioner, Kolasib
 3. Member Secretary – Executive Engineer,
Kolasib Power Division, Kolasib
 4. Members – All MLAs within Kolasib District
-
- a) The Committee will meet at least once in 3 months at the District Headquarters.
 - b) The Committee shall be consulted in the preparation of Detail Project Reports under Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) and would monitor the implementation of these schemes in the District.
 - c) The Committee would also review the quality of power supply and consumer satisfaction and would promote energy efficiency and energy conservation.
 - d) Minutes of the meeting will be issued by the Convener.
 - e) It will responsibility of the Member Secretary to ensure that requisite meetings take place and a quarterly report is sent to the Nodal Agency i.e. RFC & PFC as the case may be.

Sd/- **R.K. GUPTA**

Commission & Secretary to the Govt. of Mizoram
Power & Electricity Department

Annexure – VI(D)**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT****NOTIFICATION**

Dated Aizawl the 25th May, 2015

No.B.19015/20/2015-P&E : In the interest of public service, the Governor of Mizoram is pleased to constitute 'District Electricity Committee' for **Lawngtlai District** to review and monitor the implementation of all Central Scheme in the power sector in the District consisting of the following members:

1. Chairperson/Co-Chairperson – MP, Lok Sabha/Rajya Sabha
 2. Convener – Dy. Commissioner, Lawngtlai
 3. Member Secretary – Executive Engineer,
Lawngtlai Power Division, Lawngtlai
 4. Members – All MLAs within Lawngtlai District
- a) The Committee will meet at least once in 3 months at the District Headquarters.
 - b) The Committee shall be consulted in the preparation of Detail Project Reports under Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) and would monitor the implementation of these schemes in the District.
 - c) The Committee would also review the quality of power supply and consumer satisfaction and would promote energy efficiency and energy conservation.
 - d) Minutes of the meeting will be issued by the Convener.
 - e) It will responsibility of the Member Secretary to ensure that requisite meetings take place and a quarterly report is sent to the Nodal Agency i.e. RFC & PFC as the case may be.

Sd/- **R.K. GUPTA**

Commission & Secretary to the Govt. of Mizoram
Power & Electricity Department

**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT**

NOTIFICATION

Dated Aizawl the 25th May, 2015

No.B.19015/20/2015-P&E : In the interest of public service, the Governor of Mizoram is pleased to constitute 'District Electricity Committee' for **Lunglei District** to review and monitor the implementation of all Central Scheme in the power sector in the District consisting of the following members:

1. Chairperson/Co-Chairperson – MP, Lok Sabha/Rajya Sabha
 2. Convener – Dy. Commissioner, Lunglei
 3. Member Secretary – Superintending Engineer,
Lunglei Power Circle, Lunglei
 4. Members – All MLAs within Lunglei District
-
- a) The Committee will meet at least once in 3 months at the District Headquarters.
 - b) The Committee shall be consulted in the preparation of Detail Project Reports under Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) and would monitor the implementation of these schemes in the District.
 - c) The Committee would also review the quality of power supply and consumer satisfaction and would promote energy efficiency and energy conservation.
 - d) Minutes of the meeting will be issued by the Convener.
 - e) It will responsibility of the Member Secretary to ensure that requisite meetings take place and a quarterly report is sent to the Nodal Agency i.e. RFC & PFC as the case may be.

Sd/- **R.K. GUPTA**

Commission & Secretary to the Govt. of Mizoram
Power & Electricity Department

Annexure – VI(F)**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT****NOTIFICATION**

Dated Aizawl the 25th May, 2015

No.B.19015/20/2015-P&E : In the interest of public service, the Governor of Mizoram is pleased to constitute 'District Electricity Committee' for **Mamit District** to review and monitor the implementation of all Central Scheme in the power sector in the District consisting of the following members:

1. Chairperson/Co-Chairperson – MP, Lok Sabha/Rajya Sabha
 2. Convener – Dy. Commissioner, Mamit
 3. Member Secretary – Executive Engineer,
Mamit Power Division, Mamit
 4. Members – All MLAs within Mamit District
-
- a) The Committee will meet at least once in 3 months at the District Headquarters.
 - b) The Committee shall be consulted in the preparation of Detail Project Reports under Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) and would monitor the implementation of these schemes in the District.
 - c) The Committee would also review the quality of power supply and consumer satisfaction and would promote energy efficiency and energy conservation.
 - d) Minutes of the meeting will be issued by the Convener.
 - e) It will responsibility of the Member Secretary to ensure that requisite meetings take place and a quarterly report is sent to the Nodal Agency i.e. RFC & PFC as the case may be.

Sd/- **R.K. GUPTA**

Commission & Secretary to the Govt. of Mizoram
Power & Electricity Department

**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT**

NOTIFICATION

Dated Aizawl the 25th May, 2015

No.B.19015/20/2015-P&E : In the interest of public service, the Governor of Mizoram is pleased to constitute 'District Electricity Committee' for **Saiha District** to review and monitor the implementation of all Central Scheme in the power sector in the District consisting of the following members:

1. Chairperson/Co-Chairperson – MP, Lok Sabha/Rajya Sabha
 2. Convener – Dy. Commissioner, Saiha
 3. Member Secretary – Executive Engineer,
Saiha Power Division, Saiha
 4. Members – All MLAs within Saiha District
-
- a) The Committee will meet at least once in 3 months at the District Headquarters.
 - b) The Committee shall be consulted in the preparation of Detail Project Reports under Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) and would monitor the implementation of these schemes in the District.
 - c) The Committee would also review the quality of power supply and consumer satisfaction and would promote energy efficiency and energy conservation.
 - d) Minutes of the meeting will be issued by the Convener.
 - e) It will responsibility of the Member Secretary to ensure that requisite meetings take place and a quarterly report is sent to the Nodal Agency i.e. RFC & PFC as the case may be.

Sd/- **R.K. GUPTA**

Commission & Secretary to the Govt. of Mizoram
Power & Electricity Department

Annexure – VI(H)**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT****NOTIFICATION**

Dated Aizawl the 25th May, 2015

No.B.19015/20/2015-P&E : In the interest of public service, the Governor of Mizoram is pleased to constitute 'District Electricity Committee' for **Serchhip District** to review and monitor the implementation of all Central Scheme in the power sector in the District consisting of the following members:

1. Chairperson/Co-Chairperson – MP, Lok Sabha/Rajya Sabha
 2. Convener – Dy. Commissioner, Serchhip
 3. Member Secretary – Executive Engineer,
Serchhip Power Division, Serchhip
 4. Members – All MLAs within Serchhip District
- a) The Committee will meet at least once in 3 months at the District Headquarters.
 - b) The Committee shall be consulted in the preparation of Detail Project Reports under Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) and would monitor the implementation of these schemes in the District.
 - c) The Committee would also review the quality of power supply and consumer satisfaction and would promote energy efficiency and energy conservation.
 - d) Minutes of the meeting will be issued by the Convener.
 - e) It will responsibility of the Member Secretary to ensure that requisite meetings take place and a quarterly report is sent to the Nodal Agency i.e. RFC & PFC as the case may be.

Sd/- **R.K. GUPTA**

Commission & Secretary to the Govt. of Mizoram
Power & Electricity Department

**GOVERNMENT OF MIZORAM
POWER & ELECTRICITY DEPARTMENT**

NOTIFICATION

Dated Aizawl the 25th May, 2015

No.4/2/2014-Power : The Governor of Manipur is pleased to constitute District Electricity Committees (DECs) to review and monitor the implementation of all Central Schemes in Power Sector with the following composition:

- A) For Imphal West, Imphal East, Bishnupur and Thoubal Districts,**
the DECs will consist of
- | | |
|---|--------------------|
| i) Member of Parliament/Lok Sabha (Inner) | – Chairperson |
| ii) Deputy Commissioner of the District | – Convener |
| iii) The Local MLAs of the District | – Members |
| iv) Adhyaksha of the District | – Member |
| v) Representative of Power Grid and NHPC | – Members |
| vi) Executive Director (Tech), MSPDCL | – Member Secretary |
- B) For Senapati, Ukhrul, Tamenglong, Chandel and Churachandpur Districts**
the DECs will consist of:
- | | |
|--|--------------------|
| i) Member of Parliament/Lok Sabha (Outer) | – Chairperson |
| ii) Deputy Commissioner of the District | – Convener |
| iii) The Local MLAs of the District | – Members |
| iv) Chairman/Chairmen of ADC/ADCs
of the District | – Member/Members |
| v) Representative of Power Grid and NHPC | – Members |
| vi) Executive Director (Tech), MSPDCL | – Member Secretary |
2. The DECs shall be consulted in the preparation of DPRs under DDUGJY and IPDS and would monitor the implementation of these schemes. It would also review the quality of power supply and consumer satisfaction and would promote energy efficiency and energy conservation.
 3. The DECs shall at least meet once in 3 months at their respective District Headquarters.

By orders & in the name of the Governor
Sd/- **NG. ROBEN SINGH**
Deputy Secretary (Power)
Government of Manipur

Annexure – VII (B)

**GOVERNMENT OF MANIPUR
SECRETARIAT POWER DEPARTMENT**

**ORDERS BY THE GOVERNOR: MANIPUR
Imphal, the 18th July, 2016**

No.4/2/2014-Power: In supersession of the Government order of even No. dated 1st July, 2015, the Governor of Manipur is pleased to constitute District Electricity Committees (DECs) to review and monitor the implementation of all Central Schemes in Power Sector with the following composition:

A) For Imphal West, Imphal East, Bishnupur and Thoubal Districts,

the DECs will consist of:

- | | |
|---|--------------------|
| i) Member of Parliament/Lok Sabha (Inner) | – Chairperson |
| ii) Deputy Commissioner of the District | – Convener |
| iii) The Local MLAs of the District | – Members |
| iv) Adhyaksha of the District | – Members |
| v) Representative of Power Grid and NHPC | – Members |
| vi) Director, MANIREDA | – Members |
| vii) Executive Director (Tech), MSPDCL | – Member Secretary |

(B) For Senapati, Ukhrul, Tamenglong, Chandel and Churachandpur Districts,

the DECs will consist of:

- | | |
|--|--------------------|
| i) Member of Parliament/Lok Sabha (Outer) | – Chairperson |
| ii) Deputy Commissioner of the District | – Convener |
| iii) The Local MLAs of the District | – Members |
| iv) Chairman/Chairman of ADC/ADCs
of the District | – Member/Members |
| v) Representative of Power Grid and NHPC | – Members |
| vi) Director, MANIREDA | – Members |
| vii) Executive Director (Tech), MSPDCL | – Member Secretary |

- The DECs shall be consulted in the preparation of DPRs under DDUGJY and IPDS and would monitor the implementation of these schemes. It would also review the quality of power supply and consumer satisfaction and would promote energy efficiency and energy conservation.

3. The DEC's shall review the implementation of renewable energy related programmes for Community purposes and make recommendations to the State Nodal Agencies. The committee shall consider projects for community based systems to be promoted in the villages.
4. The DEC's shall atleast meet once in 3 months at their respective District Headquarters.

By orders & in the name of the Governor,
Sd/- **NG. ROBEN SINGH**
Deputy Secretary (Power), Government of Manipur

Annexure – VIII

**GOVERNMENT OF MANIPUR
SECRETARIAT POWER DEPARTMENT**

NOTIFICATION

Imphal the 18th September, 2015

No.60/4/2015 - Power : In exercise of the power conferred under Section 31 of the Electricity Act, 2003. the Governor of Manipur is pleased to order the establishment of State Load Despatch Centre (SLBC) 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 issued vide Notification No.5/5/2011-Power dated 31st December, 2013 in respect of Manipur State Electricity Reforms Transfer Scheme, 2013.

This society will be called ‘Manipur State Load Despatch Centre’ and will be registered under the Manipur Societies Registration Act.

Constitution of the Society

The Society, as under, will have a general body headed by the Administrative Secretary (Power), Government of Manipur –

S/N	Description	Designation
1	Administrative Secretary (Power)	Chairman
2	MD, MSPCL	Member
3	MD, MSPDCL	Member
4	Representative of Finance Department (not below the rank of Administrative Secretary (Power), Government of Manipur	Member
5	Deputy/Joint Secretary (Power)	Member
6.	Executive Director (Tech), MSPCL	Member
7	Executive Director (Tech), MSPDCL	Member
8	General Manger SLDC, Manipur	Member-Secretary

The Society will also have an Executive Committee comprising of the following:

S/N	Description	Designation
1	Administrative Secretary (Power)	Chairman
2	Deputy/Joint Secretary (Power)	Member
3	General Manager, SLDC. Manipur	Member-Secretary

Functions of the Society

- a) To maintain the affairs of SLDC in Manipur and to perform such roles and functions as mentioned in the Indian Electricity Act, 2003 (as amended from time to time) for the State Load Despatch Centre.
- b) Collecting such fees and charges that may be required to be collected by SLDC.
- c) To keep accounts, maintain data/record connected with the functions to SLDC and to maintain the assets, machiner and equipment, etc. of SLDC or such other assets that may be acquired by it for performing its functions
- d) To identify appropriate Human Resources and arrange specialized training for them.
- e) Matters relating to Intra and Inter-State Power Supply.
- f) All other matters or Rules relating to effective and efficient working of SLDC and matters as may be entrusted by the State Government from time to time.
- g) The Manipur State Load Despatch Centre (MSLDC) is to be ring fenced suitably before the Centre is made operational.

Sd/- **Th. KIRAN KUMAR**
Joint Secretary (Power)
Government of Manipur

Annexure – IX

**Joint Electricity Regulatory Commission
For Manipur and Mizoram
Aizawl : Mizoram**

*TBL Bhawan, 2nd- 3rd floor, E-18, Peter Street, Khatla, Aizawl, 796001
Fax : 0389-2301299/2300240; Tel. No. 0389-2310623/232055
Website : www.jerc.mizoram.gov.in; Email : jerc.mm@gmail.com*

Petition No. 1 of 2016

In the matter of

Petition for approval of the Joint Electricity Regulatory Commission for Manipur and Mizoram (herein after referred to as “JERC(M&M)” for implementation of Domestic Efficient Lighting Programme (DELP) for LED Bulbs in its circle of operations in Mizoram

AND

Electricity Department, Petitioner
Government of Mizoram
(herein after referred to as “PED”)

Present

Mr. R.K. Kishore Singh - Chairperson

ORDER

The petitioner PED has filed the present petition for approval of the JERC(M&M) for implementation of Domestic Efficient Lighting Programme (DELP) for LED Bulbs in its circle of operation in Mizoram as part of Demand Side Management (DSM) measure with the technical and financial support of M/s. Energy Efficiency Service Limited, New Delhi and for consequential recovery of the investment through the Aggregate Revenue Requirement (ARR) approved by the Commission.

2. The petitioner stated that M/s. Energy Efficiency Limited, New Delhi submitted Standard offer Programme(SOP) for implementation of DSM based DELP in household sector in the state of Mizoram promising to make the capital investment required, recovering the cost from the PED quarterly based on the accrued energy resource benefits and guaranting the performance of the project period of three years. BIS rated 3(three)

nos of LED bulbs will be offered in exchange of working Incandescent Lamps(ICL) for each LED at subsidized prize of ₹10.00 per LED bulb to 1,00,000 nos of domestic consumers and collected ICLs will be destroyed to preclude their use forever. As part of this programme, the sample testing procedure may also be carried out in any laboratory accredited by NABL jointly by M/s. Energy Efficiency Services Limited and PED in order to ensure safety compliance. Third party agencies such as BEE or any other third party services shall be engaged for physical verification by randomly selecting the sample of households annually and certifying the working conditions of the LED bulbs in the system. M/s Energy Efficiency Service Limited further agrees to replace the faulty LED bulbs for any technical defects (and not for broken lamps) at free of cost throughout the project period of three years irrespective of the type of fault. The power saving per bulb on replacing average wattage 29.3W of conventional lights (i.e average of 1 no. 60W ICL and 2 nos 14W CFL) by LED bulb of 7W is 22.30W The energy saved per bulb per year assuming daily usage of 3:50 hours for 300 days is 23.45kWh. The annual energy saved by using 300000 LED bulbs is 7.035 MkWh. The equivalent saving during 3 years is worked out at ₹8.72 crores. While M/s. Energy Efficiency Services Limited invests ₹3.30 crores, the total payout to it will be ₹4.55 crores including O&M charges, presently applicable income tax @ ₹33.99% of return on equity and service tax @ 14.00%. New tax, if any, will be passed on to PED. Thus, the net saving to PED owing to implementation of the scheme is calculated at ₹4.17 crores. The project benefits the society through energy security, savings and environment protection, while reducing the cost and the energy consumptions to the consumers. The cross-subsidize category and the PED will also be benefited in reducing the demand and supply gap and minimizing load shedding. The estimation of the tentative project cost is ₹3.30 crores based on the assumed cost of LED bulb at ₹100.00 per bulbs, distribution, storage, transportation, insurance and awareness at ₹20.00 per bulb less consumer contributions of subsidized price at ₹10.00 per bulb. The assumed price ₹100.00 per bulb will be revised based on the price discovered through competitive bidding. The benefit of any reduction in the price will be passed on to the PED. Interest for Debt Servicing is at 12.50% p.a. on the debt portion of 80% of the project cost, Return on equity is calculated at 15.50% p.a on 20% of the project cost and Annual Maintenance charges are calculated at 2% p.a. of the total LED Cost. The petitioner requested that draft Energy Saving Agreement submitted along with this petition may be approved for implementation of this DELP scheme. The petitioner prayed that the programme be allowed, the capital investment be approval, DELP-SOP prices per unit of energy saved be approved, quarterly payout to M/S Energy Efficiency Services Limited for recovery of the investment made by it be allowed, the normative parameters be approved and the annual payout be recovered through the ARR for the respective year.

3. The Petition was received in the Commission on 13.10.2015 with petition fee of ₹10,000.00 only. Whereas, according to Schedule of Fee attached to the Joint Electricity Regulatory Commission for Manipur and Mizoram (Conduct of Business) Regulations, 2010, the petitioner was required to pay Petition fee of ₹21,000.00. Therefore, the Commission requested the Petitioner to pay the remaining fee of ₹11, 000.00. The petitioner paid the remaining fee of ₹11,000.00 on 27.01.2016.

4. The Commission examined the Petition and found the same generally in line with the Electricity Act 2003 and JERC (M&M) Regulations on Demand Side Management and Conduct of Business. The Commission has admitted the petition on 8.2.2016 and numbered it as Petition No. 1 of 2016. The Commission Scheduled hearing of the Petition on 12.02.2016 at 1:00 pm in the Commission's Conference Hall. The Commission sent admission of the petition with hearing notice to the petitioner for the date fixed. The Commission heard the representative for the petitioner at length and has gone through the petition with accompanying documents carefully and thoroughly. It is observed from the petition of ARR for the FY 2016-17 that this DSM programme is approved by the State Government as the petition of ARR was filed with the Commission under the approval of the State Government.

5. Therefore, the petitioner is permitted to implement the DELP with the financial support of M/s. Energy Efficiency Services Limited, New Delhi with capital investment up to the maximum of ₹3.30 crores at present. The commission approves the DELP-SOP price per unit for the first FY, second FY and 3rd FY at ₹2.1873, ₹2.1584 and ₹2.1245 respectively. The petitioner is allowed to make quarterly payout to M/s. Energy Efficiency Services Limited in accordance with the approved DELP-SOP price through the ARR for the respective year. The payout shall be made during the control period i.e. a period of 3 years starting from the date when distribution of LEDs is completed. The draft Energy Saving Agreement attached along with the petition is approved subject to making correction for the address of the PED at clause 4(e) with the present address and the change of stipulations as mentioned in the following clauses instead of the existing entry:

Clause 1 (h) : As it is recommended by the DISCOM, it is to be ensured by EESL that, during distributions of LED bulb, the consumers shall bring a copy of their latest electricity bill paid and ICLs in order to be eligible to get LED bulb. Receipt and Register shall be maintained for the distributed LED bulbs in exchange of ICLs.

Clause 1 (n) : Distribution of LED bulbs will be in a phased manner covering specific area in each phase. For this purpose, distribution of a maximum of

3,00,000 LED bulbs will be deemed as completion of distribution of LED bulbs.

Clause 1 (p) : EESL will undertake the annual monitoring of Energy Saving for selected sample of households through and organization registered/ recognized by Government of India. Based on the proportion of LED bulbs not working, the payment to EESL will be reduced.

Clause 1(w) : As agreed between EESL and P&ED, Annual Maintenance charges is kept @ ₹2% per annum of the total project cost(LED Cost). In case, EESL incurs additional costs, the same will be borne by EESL from its own resources.

Clause 4 (a) : **Governing Law and Jurisdiction**

This Agreement shall be continued and interpreted in accordance with and governed by the laws of India, and the Courts of Gauhati shall have jurisdiction over all matters arising out of or relating to this Agreement.

The Energy Saving Agreement after duly making changes as above shall be signed after incorporating all the necessary corrections and duly signed copy of it shall be submitted to the Commission.

6. The petitioner shall conduct energy audit for the pre and post implementation of this DSM scheme in the area where distribution of LED bulbs has been carried out in order to know the impact of implementation of this scheme and submit report to the Commission. The petitioner shall also ensure that there shall not be adverse impact on the consumer with regards to the safety, quality and reliability of the LED bulbs distributed.

Place : Aizawl
The 16th February, 2016

Sd/- R.K. KISHORE SINGH
Chairperson

Annexure – X

Trainings, Seminars and Meetings attended

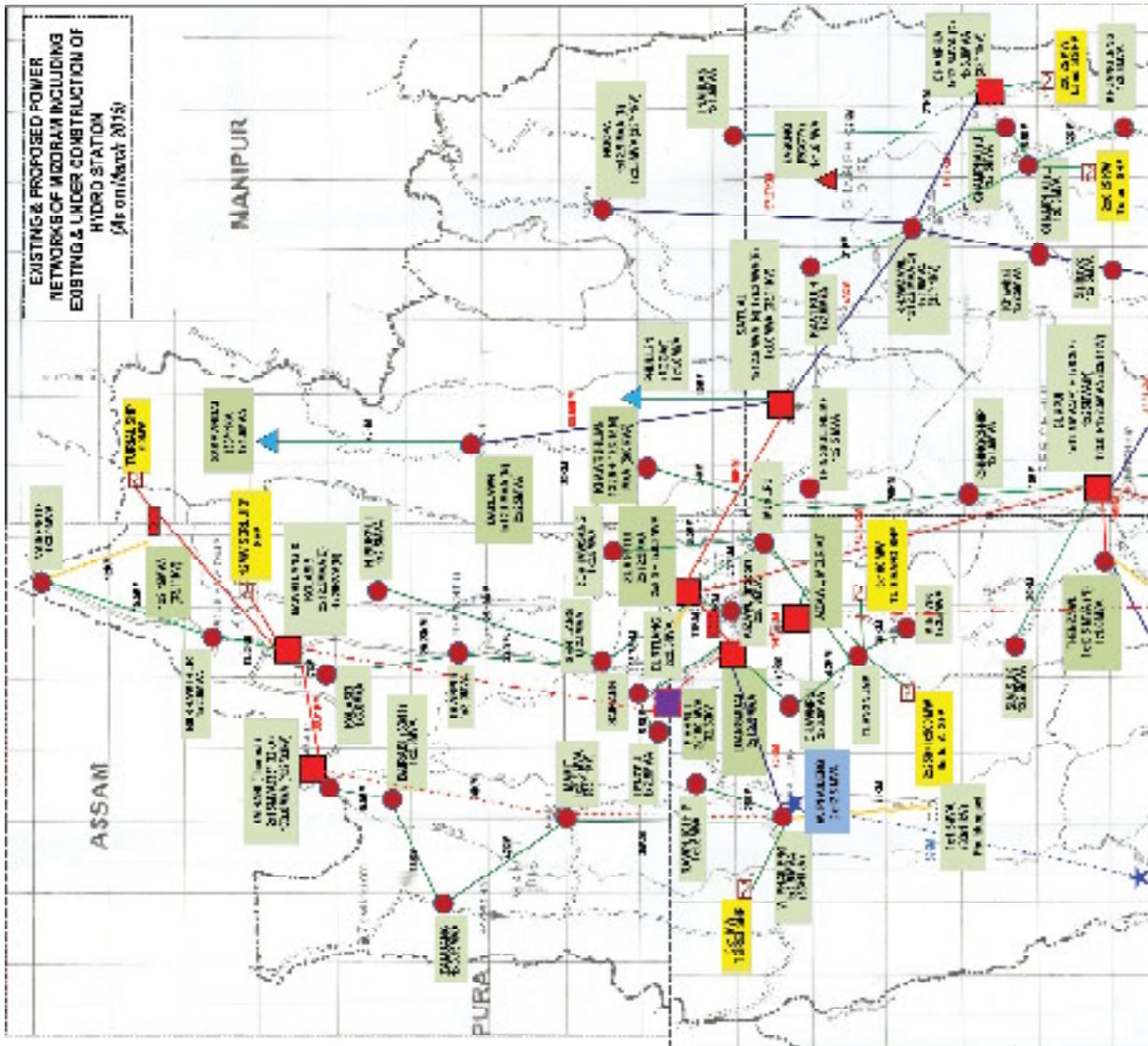
Sl No	Name and Designation	Particulars of Programme	Duration	Venue	Programme Conducted/Sponsored by
1	Mr. R.K. Kishore Singh, Chairperson	Workshop on Roof Top Solar Power (RTSP)	30 th May '16	New Delhi	MNRE, Govt of India
2	Mr. R.K. Kishore Singh, Chairperson	National Workshop RTSP	7 th June '16	New Delhi	MNRE, Govt of India
3	Mr. L.Pachau Chief (Engineering)	National Workshop RTSP, Workshop on Expediting	7 th June '16	New Delhi	MNRE, Govt of India
4	Mr. R.K. Kishore Singh, Chairperson	Solar Power Development in West Bengal, Eastern Region & NE Region	25 th Nov '16	Kolkata	Energy & Environmental Technology Development Division, Delhi
5	Mr. R.K. Kishore Singh, Chairperson	Solar Power Development (including roof top solar system) & issues for its grid connecting	30 th -31 st July '15	New Delhi	Central Board of Irrigation & Power (CBIP)
6	Mr. R.K. Kishore Singh, Chairperson	Conference on 16 th Regulations and Policymakers Retreat	3 rd -6 th Sept. '15	Goa	IPPAI
7	Mr. L.Pachau Chief (Engineering)	9 th Capacity Building/Training for officers of ERC	21 st -26 th Nov. '15	IIT, Kanpur	FOR
8	Mr. R.K. Kishore Singh, Chairperson	International Conference on Smart Grids and Smart Cities	15 th -19 th Mar. '16	New Delhi	Smart Grid (ISGF)
9	Mr. L.Pachau Chief Engineering	International Conference on Smart Grids and Smart Cities	15 th -19 th Mar. '16	New Delhi	Smart Grid (ISGF)
10	Mr. R.K. Kishore Singh, Chairperson	Cyber Security for Power System	21 st -23 rd Jan. '16	Mumbai	Smart Grid (ISGF)
11	Mr. H. Thanthianga Assistant Chief (Eng)	Smart Grid Project Planning Workshop	17 th Nov. '15	Guwahati	India Smart Grid Forum
12	Mr. R.K. Kishore Singh, Chairperson	Electrical Power Equipment Diagnostic Integrating IT in Power T&D Efficiency	4 th Mar. '16	New Delhi	Progress Harmony Development
13	Mr. Richard Zothankima Assistant Secretary	Two days Residential Training on Legal Despites of Regulations	28 th -29 th Mar. '16	NPTI, Faridabad	FOR
14	R.K. Kishore Singh Member	48 th Meeting of FOR	10 th -11 th Jun. 15	New Delhi	FOR
15	R.K. Kishore Singh Member	50 th Meeting of FOR	30 th Sept. '15	Pune, Maharashtra	FOR
16	R.K. Kishore Singh Member	51 st Meeting of FOR	30 th Nov. '15	New Delhi	FOR
17	R.K. Kishore Singh Member	Special Meeting of FOR	18 th Mar. '16	New Delhi	FOR
18	R.K. Kishore Singh Member	16 th Annual General Body Meeting FOIR	10 th Jun. '15	New Delhi	FOIR
19	R.K. Kishore Singh Member	4 th Meeting of FORENS	18 th -21 th Nov. '15	Sundarbans, W. Bengal	FORENS

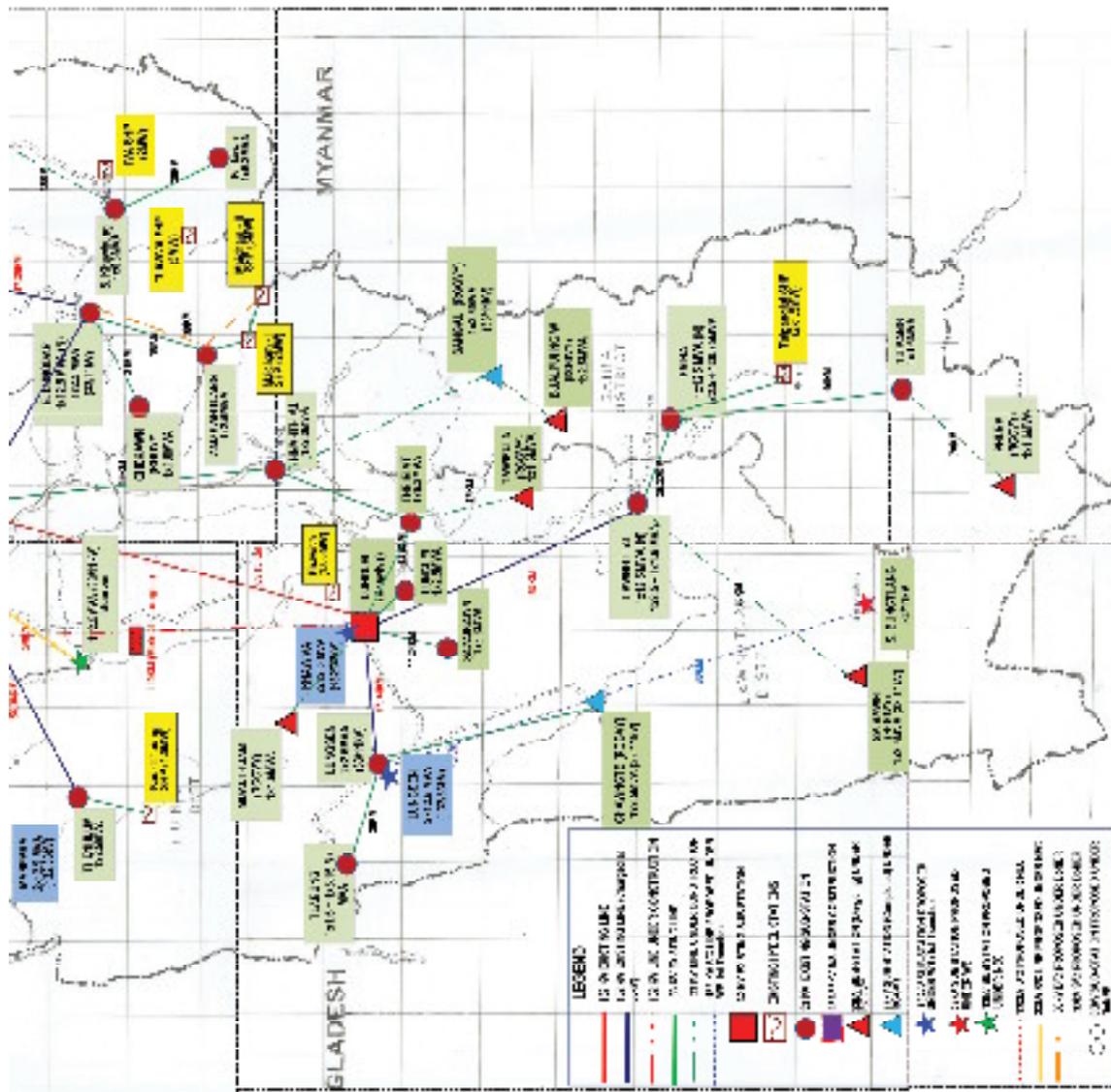
LIST OF REGULATIONS

1. Adaptation of laws (Medical facility) 3rd Order 2008
2. Recruitment, Control & Conditions of Officers and Staff Regulations
3. Appointment of Consultants Regulations, 2009
4. Standard of Performance for Distribution and Transmission Licensees, Regulations, 2010. (Repealed)
5. Procedure, Terms and Conditions for Grant of Distribution Licence and other Related Matters Regulations, 2010
6. Consumer Grievance Redressal, 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 Regulations, 2010
12. Constitution of State Advisory Committee & 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(Repealed)
18. Compliance Audit Regulations, 2010
19. Terms & Conditions for Determination of Tariff Regulation, 2010 (Repeated)
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 Regulation 2013
26. Multi Year Tariff Regulations, 2014
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) Regulation, 2014
30. Electricity Supply Code (Second Amendment) Regulation, 2015
31. Electricity Supply Code (Third Amendment) Regulation, 2016
32. Fees, Fines and Charges (First Amendment) Regulation, 2016
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
36. Corrigendum in Electricity Supply Code (Second Amendment) Regulations, 2015
37. Electricity Supply Code (Sixth Amendment) Regulations, 2016
38. Electricity Supply Code (Fifth Amendment) Regulations, 2016
39. Metering for Grid Connected Renewable Energy (First Amendment) Regulations, 2016
40. Electricity Supply Code (7th Amendment) Regulations, 2016

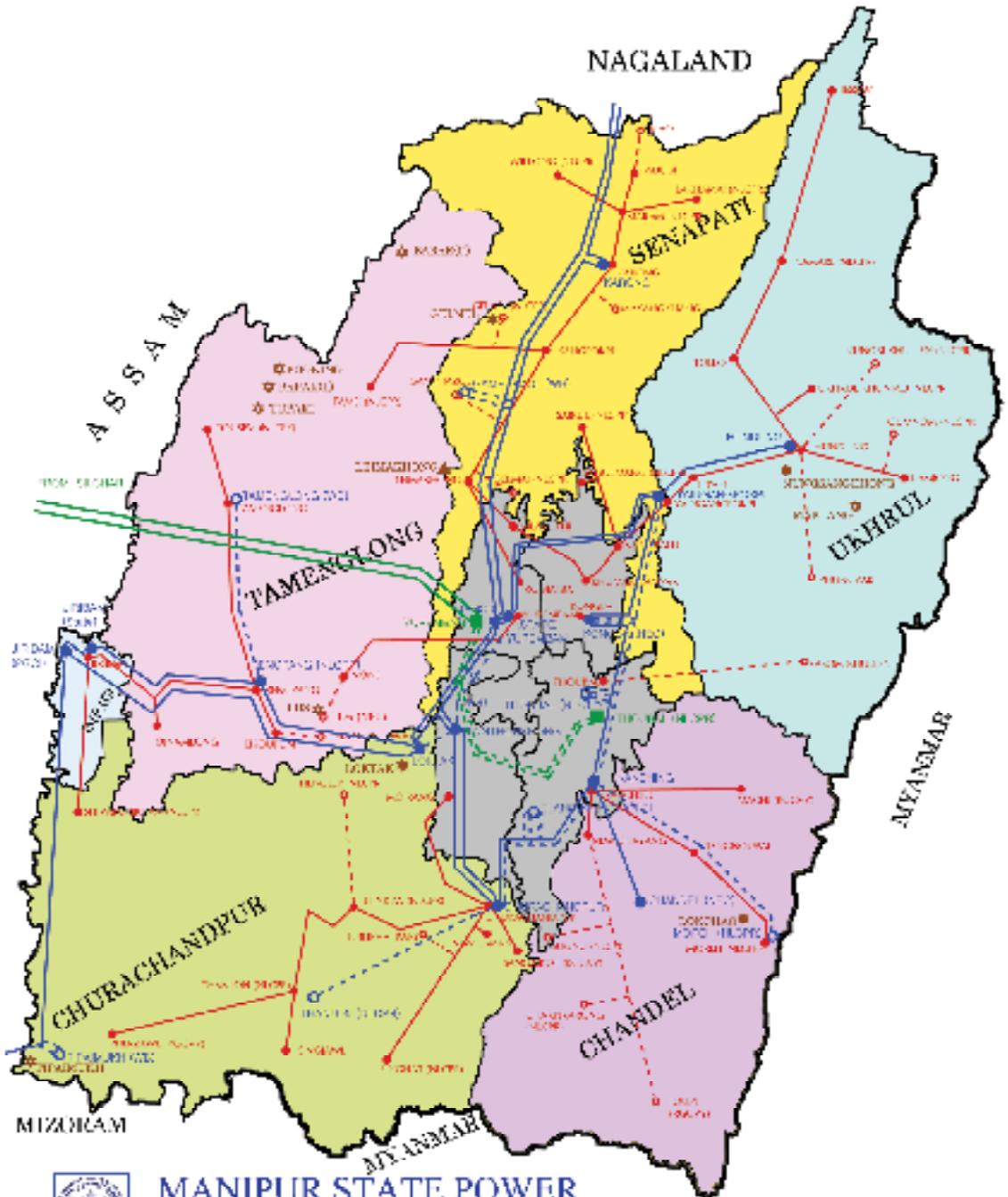
Annexure – XII

POWER MAP OF MIZORAM



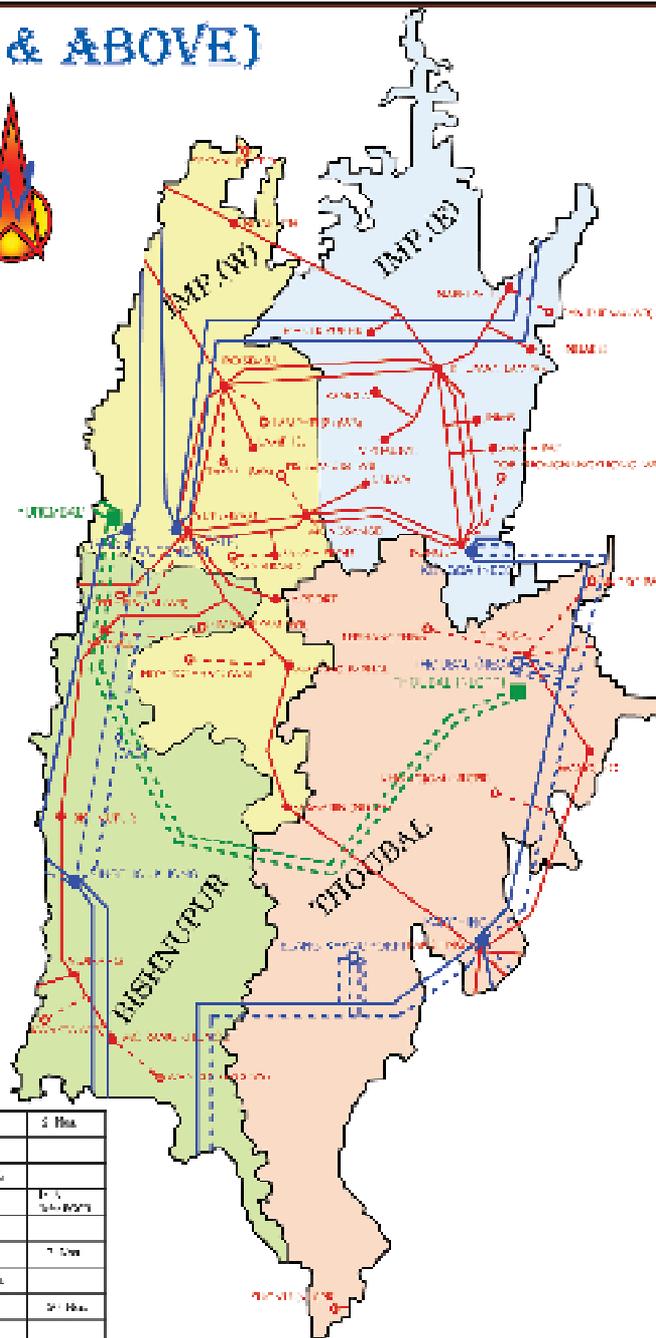


Annexure – XIII

POWER MAP OF MANIPUR

**MANIPUR STATE POWER
COMPANY LIMITED**

(33 KV & ABOVE)

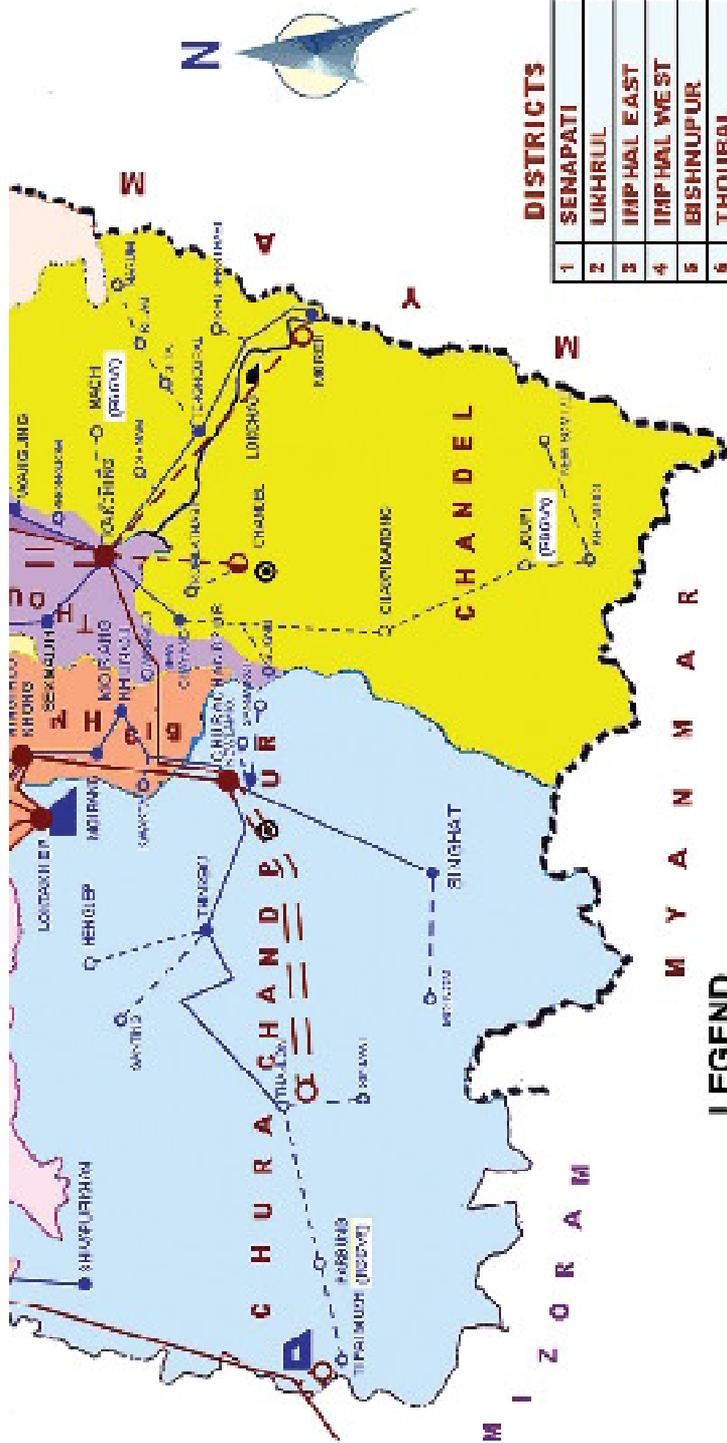


LEGEND

	CONTROL CENTER / SUB STATION	3 Nos.
	33 KV LINE	
	33 KV LINE UNDER CONSTRUCTION	
	33 KV SUB STATION	1 Nos.
	33 KV LINE	
	33 KV LINE UNDER CONSTRUCTION	
	33 KV SUB STATION	2 Nos.
	33 KV LINE	
	33 KV SUB STATION UNDER CONSTRUCTION	2 Nos.
	33 KV LINE UNDER CONSTRUCTION	
	33 KV SUB STATION	1 Nos.
	33 KV SUB STATION UNDER CONSTRUCTION	1 Nos.
	33 KV SUB STATION	1 Nos.



09/2016



DISTRICTS

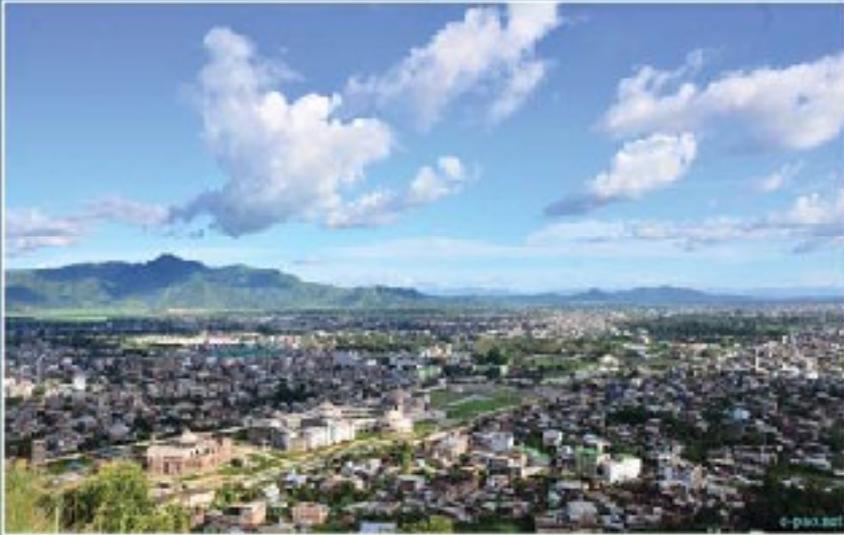
1	SENAPATI	⊙
2	UKHRUL	⊙
3	IMP HAL EAST	⊙
4	IMP HAL WEST	⊙
5	BISHNUPUR	⊙
6	THOUBAL	⊙
7	CHANDEL	⊙
8	CHURACHANDPUR	⊙
9	TAMENGLONG	⊙

LEGEND

S. NO.	PARTICULARS	EXISTING	UNDER CONSTRUCTION	PROPOSED UNDER MUCPR	PROPOSED UNDER WORLD BANK
1	113 KV SUB-STATION	●	⊙	⊙	⊙
2	132 KV LINE	—	- - -	- - -	- - -
3	33 KV SUB-STATION	●	⊙	⊙	⊙
4	33 KV LINE	—	- - -	- - -	- - -

DOT IN SCALE
As on May 2015

MANIPUR STATE POWER DISTRIBUTION COMPANY LIMITED



Imphal, Manipur



Aerial city at night, Mizoram

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