



# Annual Report 2015 - 2016



AERIAL ROAD SURVEY – FIRST TIME IN MIZORAM

IS / ISO 9001



QMS

PUBLIC WORKS DEPARTMENT  
GOVERNMENT OF MIZORAM  
AIZAWL



**ROAD SECTOR MODERNISATION PLAN – WORKING GROUP (RSMP-WG)  
under Mizoram State Roads Project-II (MSRP-II)**

- |     |   |                    |
|-----|---|--------------------|
| 1)  | Er. R. Vanlaltluanga, Engineer-in-Chief           | - Chairman         |
| 2)  | Er. J. Rammawia, Chief Engineer, Highways         | - Member           |
| 3)  | Er. K. Lalsawmvela, Chief Engineer, Roads         | - Member           |
| 4)  | Er. Lalmuankima Henry, Chief Engineer, Buildings  | - Member           |
| 5)  | Ar. George Lalzuia, Chief Architect               | - Member           |
| 6)  | Er. R. Lalrintluanga, SE, Eastern Circle          | - Member           |
| 7)  | Er. J. Zothanpuia, SE, Western Circle             | - Member.          |
| 8)  | Er. Vanlalchhuana, SE (Planning), E-in-C's Office | - Member           |
| 9)  | Er. Vanlalruata Sailo, EE (Procurement), WB-PIU   | - Member           |
| 10) | Er. Lalrinawma, EE (W-II), E-in-C's Office        | - Member           |
| 11) | Representative(s) of PMC                          | - Invitee          |
| 12) | Er. Lalrinkima Hnamte, Project Director, PIU      | - Member Secretary |



Standing : Er. Lalrinawma, Er. R. Lalrintluanga, Er. Vanlalchhuana, Er. Lalrinkima Hnamte,  
Er. Vanlalruata Sailo, Er. J. Zothanpuia.  
Sitting : Ar. George Lalzuia, Er. J. Rammawia, Er. R. Vanlaltluanga, Er. K. Lalsawmvela,  
Er. Lalmuankima Henry.



**Heads of the Department**  
(L-R ; Er. K. Lalsawmvela CE (Roads), Er. Henry Lalmuankima CE (Buildings),  
Shri. Lalram Thanga IFS, Principal Secretary, Er. R. Vanlaltluanga E-in-C,  
Er. John Rammawia CE (Highways), Ar. George Lalzuia Chief Architect)

# PUBLIC WORKS DEPARTMENT

## QUALITY POLICY

We, at Mizoram PWD, are committed to construct, maintain and provide technical services for infrastructural facilities as per the qualitative, quantitative and timely requirement of the stakeholders and enhance stakeholder's satisfaction through continual improvement and meeting statutory and regulatory requirement.

# 2016

# GOVERNMENT OF MIZORAM PUBLIC WORKS DEPARTMENT



## ANNUAL REPORT

**2015 - 2016**

## SUB-GROUPS OF RSMP

### SUB-GROUP-I : - MODERNIZATION OF POLICIES, ENGINEERING PRACTICES AND BUSINESS PROCEDURE

- 1) Er. K. Lalsawmvela, Chief Engineer, Roads – Leader, Sub Group.
- 2) Er. Vanlalchhuana, SE (Planning), E-in-C's Office - Member
- 3) Er. Vanlalruata Sailo, EE (Procurement), WB-PIU – Member
- 4) Er. Bowman, SE, Project Circle – Member
- 5) Institutional Development Specialist (PMC) – Invitee
- 6) Er. Lalrinkima Hnamte, Project Director, PIU – Member Secretary



L-R : Er. Vanlalruata Sailo, Er. Vanlalchhuana, Er. K. Lalsawmvela, Er. Lalrinkima Hnamte, Er. Bowman

### SUB-GROUP-II : - ASSET MANAGEMENT AND MAINTENANCE

- 1) Er. Henry Lalmuankima, Chief Engineer, Buildings - Leader, Sub Group.
- 2) Er. Lalrinawma, EE (Works-II), E-in-C's Office - Member
- 3) Er. P.C. David Lalrinlana, AE, CE (Roads)'s Office - Member
- 4) Er. Vansangpuii Khiangte, AE, PIU - Member
- 5) Shri. Lallianhmuaka, Dy. Director (Admn.), E-in-C's Office – Member Secretary



**Standing :** Er. Lalrinawma, Er. Vansangpuii  
Khiangte, Er. P.C. David Lalrinlana  
**Sitting :** Er. Henry Lalmuankima,  
Shri. Lallianhmuaka

**SUB-GROUP-III : - INSTITUTIONAL & HUMAN RESOURCE DEVELOPMENT**

- 1) Er. J. Rammawia, Chief Engineer, Highways
- 2) Er. Lalrinawma, EE (Works-II), E-in-C's Office
- 3) Er. C. Lalthlamuani, EE (Procurement), ADB-PIU
- 4) Er. Lalnunnema Tochwawng, HRD Manager, E-in-C's Office
- 5) Er. Lalhmingangi, SDO, Project SD, Serchhip
- 6) Er. Eric Vanlalruata, AE (PMGSY), E-in-C's Office
- 7) Er. Vanlalruata Sailo, EE (Procurement), WB-PIU
- 8) Institutional Development Specialist and IT Specialist (PMC)
- 9) Shri. Lallianhmuaka, Dy. Director (Admn.), E-in-C's Office

- Leader, Sub Group.
- Member
- Member
- Member
- Member
- Member
- Invitee
- Invitee
- Member Secretary



**Standing :**  
Er. Eric Vanlalruata,  
Shri. Lallianhmuaka,  
Er. Lalrinawma,  
Shri. G. Shivananda,  
Er. Lalnunnema  
Tochwawng,  
Er. Vanlalruata Sailo  
**Sitting :**  
Er. Lalhmingangi,  
Er. John Rammawia,  
Er. C. Lalthlamuani

**SUB-GROUP-IV : - ROAD SAFETY MANAGEMENT**

- 1) Er. J. Zothanpuia, Superintending Engineer, Western Circle
- 2) Er. Lalchhandama, EE (Planning-II), E-in-C's Office
- 3) Er. Lalbiaknunga, AE (Planning-I), E-in-C's Office
- 4) Er. S.R. Lalramthanga, AE, PIU

- Leader, Sub Group.
- Member
- Member
- Member



**L-R :**  
Er. Lalchhandama,  
Er. J. Zothanpuia,  
Er. Lalbiaknunga,  
Er. S.R. Lalramthanga

**SUB-GROUP-V : - ENVIRONMENT AND SOCIAL SAFEGUARD CAPACITY AND MANAGEMENT**

- 1) Er. R. Lalrintluanga, Superintending Engineer, Eastern Circle - Leader, Sub Group.
- 2) Er. David Sapzova, EE, Aizawl Road South Division - Member
- 3) Er. B. Lalhminganga, EE (Environment) -PIU - Member
- 4) Er. Laltlanthangi Ralte, AE (Environment), PIU - Member
- 5) Shri. K. Lalmlawmlova, Special Land Acquisition Officer (SLAO), PIU - Invitee
- 6) Smt. Rosie Lalremtluangi, Social Development Specialist, PIU - Member
- 7) Env. Expert, PMC - Invitee



**Standing :**

Er. David Sapzova,  
Er. B. Lalhminganga,  
Shri. Chuahnuna

**Sitting :**

Smt. Rosie Lalremtluangi,  
Er. R. Lalrintluanga,  
Er. Laltlanthangi Ralte

**SUB-GROUP-VI : - REVIEW COMMITTEE FOR THE IMPLEMENTATION OF PWIMS**

- 1) Ar. George Lalzuia, Chief Architect - Leader, Sub Group.
- 2) Er. Lalrinawma, EE(W), E-in-C's Office - Member
- 3) Er. Vanlalruata Sailo, EE (Procurement) -PIU - Member
- 4) Er. H. Lalchhandama, EE (Planning), E-in-C's Office - Member
- 5) Shri. K. Lalrinawma, ADA, E-in-C's Office - Member



**L-R :**

Shri. K. Lalrinawma,  
Ar. George Lalzuia,  
Er. H. Lalchhandama,  
Er. Lalrinawma

**SPECIAL INVITEES :-** Team Leader, PMC, Shri. Ramesh Sahoo, ICT & MIS Specialist



फार्म III { विनियम 7 (1) D (d) देखें }  
Form III { see Regulation 7 (1) D (d) }

## भारतीय मानक ब्यूरो BUREAU OF INDIAN STANDARDS

गुणता प्रबंध पद्धति प्रमाणन लाइसेंस  
LICENCE FOR THE QUALITY MANAGEMENT SYSTEMS CERTIFICATION

लाइसेंस सं.-क्यूएससी/एल- 5002399.2

Licence NO. QSC/L-5002399.2

1. भारतीय मानक ब्यूरो अधिनियम, 1986 (1986 का 63) द्वारा प्रदान की गई शक्तियों के आधार पर, ब्यूरो इंजीनियर-इन-चीफ के कार्यालय, लोक निर्माण विभाग, मिजोरम सरकार, तुईखुआहतलंग, आइज़वॉल - 796001, मिजोरम को (जिन्हें इसके बाद लाइसेंसधारी कहा गया है) इसके साथ लगी अनुसूची में विशेष रूप से वर्णित उत्पादों और/या सेवाओं या प्रक्रमों के संबंध में ब्यूरो के गुणता प्रबंध पद्धति प्रमाणन के लाइसेंसधारियों के रजिस्टर(रों) में उसी संख्या से सूचीबद्ध होने का अधिकार और लाइसेंस नवीकरण करता है, जो इस लाइसेंस की है। इस प्रकार के उत्पाद और/या सेवाएं या प्रक्रम लाइसेंसधारी द्वारा, IS/ISO 9001:2008 के अनुरूप गुणवत्ता प्रबंध पद्धति के अनुसार केवल ऊपर बताए गए पते (पतों) पर निर्मित/प्रदत्त/ प्रचालित किए जाएंगे।

By virtue of the power conferred on it by, the Bureau of Indian Standards Act, 1986 (63 of 1986), the Bureau hereby renews to O/o The Engineer-in-Chief, Public Works Department, Government of Mizoram, Tuikhuahlang, Aizawal - 796001, Mizoram (hereinafter called the Licensee) the right and licence to be listed in the Bureau's register(s) of Licensees of Quality Management Systems Certification in respect of the products or processes Particularly described in the schedule hereto, bearing the same number as this licence. Such products shall be manufactured by the Licensee at only the address (es) given above, and under the Quality Management Systems in accordance with IS /ISO 9001:2008

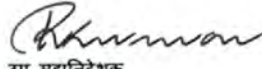
2. यह लाइसेंस इस लाइसेंस का विनियम करने वाले उपरोक्त अधिनियम और इसके अधीन बनाए गए नियमों और विनियमों के संबंध प्रबंधन के अंतर्गत नवीकृत किया गया है और लाइसेंसधारी एतद द्वारा ब्यूरो को उपरोक्त नियमों और विनियमों का विधिवत पालन करने का वचन देता है।

The licence is renewed subject to the relevant provisions of the above Act and the rules and regulations made thereunder governing the licences referred to above, and the Licensee hereby covenants with the Bureau duly to observe with the said Rules and Regulations.

यह लाइसेंस 03 सितम्बर 2015 से 02 सितम्बर 2018 तक वैध होगा और इसका विनियमों के अनुसार नवीकरण किया जा सकेगा।

This licence shall be valid from 03 September 2015 to 02 September 2018 and may be renewed as prescribed in the Regulations.

2016 के जून माह के दिन हस्ताक्षरित एवं मुहरांकित  
Signed, Sealed and Dated this 29<sup>th</sup> June, Two Thousand and Sixteen.

  
उप महानिदेशक  
Deputy Director General  
भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS





## BUREAU OF INDIAN STANDARDS

लाइसेंस सं. प.क्षे.का./क्यूएससी/एल - 5002399.2 की अनुसूची  
Schedule to licence No. QSC /L- 5002399.2

जारी : इंजीनियर-इन-चीफ के कार्यालय, लोक निर्माण विभाग, मिजोरम सरकार,  
तुईखुआहतलंग, आइज़वॉल - 796001, मिजोरम  
Issued to : O/o The Engineer-in-Chief, Public Works Department,  
Government of Mizoram, Tuikhuahitlang, Aizawal - 796001, Mizoram

### अनुसूची SCHEDULE

वे उत्पाद सेवाएं प्रक्रम जिनके संबंध में फर्म को गुणवत्ता प्रबंध पद्धति प्रमाणन लाइसेंस स्वीकृत किया गया है

Products/processes with respect to which the firm has been granted the licence for **Quality Systems Certification**:

*"All activities related to planning, design, maintenance and monitoring construction of buildings, roads and bridges."*

उप महानिदेशक  
Deputy Director General  
भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS

# GOVERNMENT OF MIZORAM PUBLIC WORKS DEPARTMENT

## ANNUAL REPORT 2015-2016

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PUBLIC WORKS DEPARTMENT  
GOVERNMENT OF MIZORAM,  
TUIKHUAHTLANG, AIZAWL  
PIN – 796 001

**website:** <http://www.pwd.mizoram.gov.in>

**Lt Gen Nirbhay Sharma**

PVSM, UYSM, AVSM, VSM (Retd)

**Governor  
Mizoram**



**Raj Bhavan**  
Aizawl - 796 001  
India



## MESSAGE

I am pleased to learn that the Department of Public Works is presenting the Fiscal Year 2015-16 Annual Report.

The Department is enriched with highly qualified and experienced professional forming a multi disciplinary team of civil, electrical, mechanical Engineers and Architects. Mizoram PWD is the pioneer in construction arena of Mizoram and has to set the trend and standard in the States infrastructure development. I would expect the Mizoram PWD to execute its numerous programmes more effectively and efficiently. It must ensure cost effectiveness, high quality, transparency, accountability and integrity in performing its duties and functions.

I convey greetings and best wishes for the successful publication of the *Annual Report 2015-2016*.

*Nirbhay Sharma*

**Lt. Gen. Nirbhay Sharma**  
PVSM, UYSM, AVSM, VSM (Retd)

Dated 21 October, 2016



**LAL THANHAWLA**  
CHIEF MINISTER  
MIZORAM, AIZAWL-796 001



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### **MESSAGE**

I am happy to learn that Mizoram PWD is publishing its Annual Report for 2015 – 2016.

PWD has discharged its onerous responsibility for construction and maintenance of roads and bridges, buildings and other infrastructures in the State with praiseworthy dedication. I believe that the growth and success of the Department can rightly be attributed to its large base of dedicated work force, right from top to bottom who work tirelessly to connect all corners of Mizoram. I call upon all the employees of PWD to carry on the good works with unwavering zeal so that the faith reposed on the Department by the public may continue to be amply rewarded.

It is my wish that the Annual Report will certainly encourage and inspire all those involved in Public Works and also all the readers of this magazine. I convey my best wishes to the Editorial Board for successful publication of the Annual Report.

**Dated Aizawl**  
**the 18<sup>th</sup> October, 2016**

  
**(LAL THANHAWLA)**

**LALMALSAWMA, IAS**  
**CHIEF SECRETARY**  
**GOVERNMENT OF MIZORAM**



AIZAWL-796 001  
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**MESSAGE**

I am pleased to know that the Mizoram Public Works Department is bringing out its Annual Report for 2015-2016, shortly after publishing the Annual Report for 2014-2015.

Mizoram PWD has been in the news for quite some time for reasons which are not quite complimentary. The Annual Report for 2014-15, however, shows that PWD, in spite of many problems and obstacles, has been making significant achievements - be it road related works or construction of buildings. Development of infrastructure in Mizoram is mostly focussed on construction of roads and buildings and it is important that PWD strives to achieve its mandate by re-inventing itself, works with dedication and commitment.

I would urge officers and staff of Mizoram Public Works Department to devote themselves to keep public satisfaction above anything else with continuous improvement and enhancement in technological capabilities.

My greetings to the Mizoram Public Works Department for publishing the Annual Report 2015-2016. I hope it will highlight not only the achievements made but also its capabilities as well as its vision for the future of Mizoram.

(LALMALSAWMA)

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*Residence : 0389-2322412 Telefax : 0389-2323467*



**LALRAM THANGA IFS**  
Principal Secretary to Chief Minister,  
PWD, SAD, Soil & Water Conservation Deptt.  
Government of Mizoram.



**AIZAWL - 796 001**  
**Office : 0389 - 2322163**  
**Fax : 0389 - 2345629**

Date .....

### Message

I am happy to know the Public Works Department, Mizoram is bringing out the Annual Report 2015-16.

Annual Reports are important documents where the activities and achievements of the Department are highlighted for both staff and the general public. This goes well with the spirit of Inclusive Growth as well. As I have said before, PWD is one important organization under the Government that is mandated with the huge responsibility of building infrastructure – roads, buildings, etc. and in a developing State such as ours, the role and responsibilities of the Department assumes added significance.

We have achieved a lot but we still need to achieve more. And this can happen only with the dedication and effort of the officers and staff at various levels.

I compliment the Engineer-in-Chief, the Chief Engineers, and Chief Architect and urge upon them to bring their knowledge through a paradigm shift in our approach for an all round development of Mizoram.

We must leave no stone unturned in our endeavour and must go the extra mile to bring about a strong and vibrant Mizoram.

  
(Lalram Thanga) 14<sup>X</sup>/<sub>16</sub>



Engineer-in-Chief  
Public Works Department  
Government of Mizoram

## MESSAGE



I am pleased to learn that PWD Annual Publication 2014-15 has received positive response and reaction from not only within the PWD community but from other Departments as well. It gives me immense pleasure to know that Annual Publication 2015-16 will be published soon.

Lack of adequate fund and shortage of manpower, especially engineers, has always been a constant dilemma in PWD but this has never dampened our resolve to overcome any problems. The motto, rather, is to put into maximum use any resources available to us and it is a pity that achievements made, in spite of all obstacles, seldom find its way into the media and the public unaware of most of such achievements.

Mizoram PWD Vision 2030 envisage completion of on-going projects, East- West Road Connectivity, connection of Aizawl with all Capitals of sister States with 4-Lane roads, development of Ropeway, improvements & strengthening of all district & village roads, among others and this will require tremendous efforts. Unless there is a positive approach to realize the Vision 2030 and all of us working in tandem, it will not fructify.

But I have no doubt in my mind that Mizoram PWD is capable of realizing the Vision, with a renewed sense of dedication, commitment and devotion to duty. No obstacles or hindrances will be able to deter us from fulfilling the task and the trust placed upon us by the Government.

My deepest appreciation to the Editorial Board for being able to bring out the Annual Publication 2015-16 within such a short span of time. I sincerely wish it a success.

  
(R.VANLAL LUANGA)

## Editorial Board

Editor-in-Chief : Er. J. Rammawia, Chief Engineer (Highways)  
Editor : Ar. George Lalzuia, Chief Architect, E-in-C's Office  
Er. Vanlalruata Sailo, Sr. Executive Engineer (Proc.), PIU-WB  
Er. Lalrinawma, Sr. Executive Engineer (W-II), E-in-C's Office  
Er. C. Lalthlamuani, Executive Engineer (Proc.), PIU-ADB  
Shri. Lallianhmuaka, Dy. Director (Admn.), E-in-C's Office  
Er. Lalnunnema Tochwawng, HRDM, E-in-C's Office (i/c Pro.)



**Standing :** Shri. Lallianhmuaka, Er. Lalrinawma, Er. Lalnunnema Tochwawng.

**Sitting :** Er. Lalmingsangi, Er. John Rammawia, Er. C. Lalthlamuani, Ar. George Lalzuia, Er. John Rammawia, Er. Vanlalruata Sailo



## Chapter 1

### EDITORIAL

The performance of Mizoram PWD during the past year was generally satisfactory. The physical and financial target had been achieved except in isolated cases.

The volume of Expenditure as a whole is Rs 553.88 Cr. A total of Rs 482.74 cr was received from the State, Central Govt. and other external Aided Agencies. There are other expenditures of Rs 41.61 cr from PMGSY works and Rs 29.53 cr from National Highway Fund.



#### 1. ORGANISATION

Engineer-in-Chief is controlling the Department as a whole and having three Chief Engineers on zonal basis.

It may be said that there are big projects taken up from outside sources and are put under a small Unit called Project Implementation Unit (PIU) headed by one Project Director which is in the level of Superintending Engineer (SE). As this Unit is the image of the State on the eyes of funding sources and has sometimes very urgent works. It is difficult to control the Unit from SE level as there are many higher authorities. It is therefore expected that if PIU is headed by Chief Engineer level, the management may be better with the power and function of it.

#### 2. RSMP

On the advent of new Projects launched from the Asian Development Bank (ADB) and World Bank, various Action Plans are framed for the effectiveness of Organisation and construction works. The body was then formed as Road Sector Modernisation Plan (RSMP). Earlier, in the First Project of Work Bank, Institutional Strengthening Group (ISG) and Institutional Strengthening Action Plan (ISAP) were implemented in 2003 in the same fashion. Besides this, the Department had been granted IS/ISO 9001:2000 Certification in Quality Management System (QMS) covering some areas of Offices.

#### 3. Highlight of Achievements,

##### (a) ROADS :

Some of the achievements may be summarised as below;

- a) Resurfacing of Roads about 30.85 kms, Patch repair 262 kms, R/Wall 22 nos, etc have been done from Action Plan through Maintenance of Roads,
- b) 10 road projects of 135.80 kms have been completed,
- c) Strengthening of West Phaileng to Marpara is under completion and Pavement of Muallungthu to Khumtung is in full swing from NABARD Scheme,
- d) Under NEC, Tlabung-Kawrpuchhuah road (L=16.42 km), Dawrpui Vengthar Cemetery, Upgradations of Silchar-Dwarbod-Phaisen-Buhchang (9.30 km), Keitum-Artahkawn road (34 km), Saitual-Phullen road (60 km), Mamit-Bairabi road (37 km) are completed,
- e) Under NLCPR, Bailey Bridges of R. Tuisa, R. Lunghmullui & R. Tuikum are completed. Chuhvel-Sihthiang road, Jeepable Suspension bridge at Darzokai, Sihpui-Thuampui road (4.40km), are also completed,
- f) Under CRF, Strengthening of R. Tuipui-Biate road is completed,
- g) Under MSRP-II (World Bank Funded), Upgradation of Champhai-Zokhawthar, Chhumkhum-Chawngte roads, Tlabung-Kawrpuchhuah road are in good progress,
- h) Under ADB Funding, Upgradation of Serchhip-Buarpui road is in good progress and completed 12.04% of work. Formation cutting 22.08 km, Cross Drainage work, Protection work of 110 Rm have been done.

- i) 65% of Construction of a new 2-lane highway (99 kms) to support Kaladan Multi Modal Transit Transport Project (KMMTTP) have been completed so far,
- j) IRQP & Road Signages for double lane road from km 0/00- km 11/00 on NH-44A, Improvement of NH 54 from Sairang to Phulmawi, Rehabilitation of Sinking Area at Siaha Town on NH 54B, Improvement of 7 Accident prone location on NH 54B, 2-laning of NH 54 at two stretches (15 & 14 km), Widening to 2-lane with geometric improvement of NH 154 from km 119/00 to km 147/00, etc have been completed.

**(b) BUILDINGS :**

Prominent buildings like some Judicial Quarters at Kolasib, Mizoram Law College at Luangmual, Polytechnic at Mamit & Lawngtlai, some College Infrastructure Development, JB College at Lunglei, Hnahthial College, some Police Station & Quarters, DFDO Godown at Kolasib, Fisheries Directorate at NSC, CHC Hospital at Lawngtlai, NH Circle-II & NH Division-III at Serchhip, Convention Centre at Berawtlang, Transport Directorate Reconstruction, RG Stadium Ph-II lower gallery, Eklavia Model Residential School at Serchhip and Examination Hall of MPSC at NSC had been completed.

Directorate Building of Science & Technology Deptt at NSC, Addl Civil Secretariat Building at NSC, Govt Aizawl College Commerce Building at Mualpui, Auditorium at Pachhunga University College, 200-bedded Hostel for Mizoram College of Nursing at Falkawn, Directorate of Health & Medical Education office building at NSC, Treasury office at Mamit & Kolasib, Taxation building at NSC & Kolasib, Guest Accomodation building at Berawtlang, Land Revenue & Settlement office building at NSC, etc are in good progress.

**4. HUMAN RESOURCE MANAGEMENT**

As per the record, a total of 1560 regular and 366 workcharged employees are working in the Department.

- a) 17 officers got promotion in different capacities and 58 Junior Grade of MES are promoted to Senior Grade on Non-Functional basis during the year.
- b) Besides this, 25 JEs, 15 M/R JEs, 10 M/R LDC, 26 W/C SAs, 30 M/R IV Grade and 3 M/R Carpenters were regularized.
- c) 2 Electricians Gr.II promoted to Gr.I, 19 W/C Driver Gr.II upgraded to Gr.I, 12 W/C Driver Gr.I to Special Grade
- d) 41 Group B, 103 Group C & 77 Group D are granted Financial benefits under MACPS.
- e) 8 AEs, 1 Chartered Accountant and 19 Staff are recruited on Co-Terminus in the PIU compared to no record of new appointment during the last year

As many as 4 officers got retirement and 2 officers expired compared to the previous year of 91 nos. retirement and 38 employees expired in the Department. Hence, the year 2015-16 could be termed as a **BLESSING YEAR**.

It is not enough only to see the big achievements made, but we should carry on and try to cope up with the new challenges ahead to serve the people of Mizoram.



JOHN RAMMAWIA  
Editor-in-Chief  
cum

Chief Engineer, Highways  
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Government of Mizoram

## Chapter 2

### MIZORAM PWD VISION – 2030

#### INTRODUCTION :

Mizoram PWD is headed by Engineer-in-Chief and supported by three Chief Engineer on zonal basis and one Chief Engineer in the Planning cell. There are Ten (10) number of Circle offices including Project Implementation Unit (PIU), and further Twenty nine (29) Divisional Offices and Eighty four (84) Sub-Divisional Offices in all.

PWD is responsible for construction and maintenance of infrastructure in respect of roads, bridges and buildings in the State. At present, there are approximately 3657 employees under PWD.

#### BACKGROUND :

Mizoram become State in 20<sup>th</sup> February, 1987. It has a population of 10,97,206 in 2011 census and area of 21,081.00 sqkms. Due to its geographical location and past political importance, Aizawl has been the main political, cultural and commercial centre of the state since British rules and capital of the state and the only city of the state.

Due to the above inherent characteristics of Aizawl city and inadequate rural road connectivity, Mizoram has been one of the most urbanised State of the country. About 30% of the population of Mizoram live in Aizawl city followed by Lunglei, the 2<sup>nd</sup> largest headquarter with a population of 6% of the State population.

The above urbanisation and insufficient rural road connectivity together cause slow progress of over-all development of the State and also leads to centralisation of most of the development activities in urban areas.

Now, Aizawl city covering an area of 457.00 sqkms is already over-crowded with a population of 2,93,416 (2011 census). The city road network comprising of 43.75 kms fair - weather road and 253.65 kms all - weather road can no longer be widened nor extended due to built up private and public buildings adjacent to public roads and limited geographical area of Aizawl city caused by absence of proper plan of the city. As a result, main city roads are already choked with busy vehicular and pedestrian traffic jam everyday. This daily traffic jam is sure to escalate further in view of the rapid growth of population and vehicles. About 3,600 Taxis and nearly equal number of Government and private vehicles are in daily service within the city alone. It can be presumed that a stage would shortly be reached when no vehicular traffic could ply in view of the present traffic scenario of the city.

Road transport is the only means of transport in Mizoram. The total length of all types of road in Mizoram is 7632.60 kms; out of which 4734.75 kms in all-weather road (surfaced) and the remaining 2897.84 kms is fair-weather road (unsurfaced). The road density of Mizoram is 36.19 kms per 100 sqkm which is far below the national level of 148.00 kms per 100 sqkm.

#### VISION :

The following development strategies are selected and considered for formulation of vision documents for the country for 15 years up to 2030. The same is prepared in respect of Mizoram PWD and submitted for consideration of NITI Aayog, Government of India.

1. **Completion of on-going projects :**
  - a. *Mizoram State Roads II-Regional Transport Connectivity Project (MSRII-RTCP)*
  - b. *Construction of Road under Asian Development Bank (ADB)*
  - c. *Pradhan Mantri Gram Sadak Yojana (PMGSY)*
  - d. *Kaladan Multi Modal Transit Transport Project (KMMTTP)*
  - e. *Improvement of Lunglei – Tlabung road NH 302*
  - f. *Improvement of Keifang – Saichal – Ngopa – Khawkawn – Tuivai*
  - g. *Improvement of NH 44 'A'*
  - h. *Improvement of NH 154*
  - i. *Construction of Vairengte – Zohmun – N. Vervek NH 306 'A'*
2. **East - West Connection**
3. **Conversion of all temporary/weak bridges to permanent bridge**
4. **Connection of all neighbouring state capitals from Aizawl with 4-lane road**
5. **Connection of all District headquarters with a 2-lane road**
6. **Construction of Aizawl ring road**
7. **Construction of Lunglei ring road**
8. **Construction of new Township for Aizawl**
9. **Construction of a new Airport in South Mizoram**
10. **Improvement and strengthening of all district and village roads**
11. **Development of Ropeway**
12. **Construction of Complex / Quarters for Government employees at District Headquarter**
13. **Improvement of Inland Water Transport (IWT) in the State**

The above Vision may be explained in short as below :

1. **Completion of on-going projects :-**

The following projects are in progress at the moment and hopefully to be completed successfully in the near future. These Projects will greatly contribute to improving the state communication infrastructure. They are described, in brief, as below:-

***j. Mizoram State Roads II – Regional Transport Connectivity Project (MSRII-RTCP) :***

*The total cost of the Project is estimated at US Dollar 107 million which is financed through the World Bank's International Development Association. The Project is effective from 10.10.2014 onwards and to be completed within the next four years. The followings roads are taken up under Group I for widening and strengthening, namely :*

***i) Group I :***

- a) *Improvement and Upgradation of Champhai – Zokhawthar road (length 27.75 km)*
- b) *Improvement and Upgradation of Chhumkhum – Chawngte road (length 41.53 km) and*
- c) *Improvement and Upgradation of Tlabung – Kawrpuichhuah road (length 11.85 km).*

***ii) Group II :*** *The following roads classified as Group II in the North – South corridor of approximate length 330 km is under project preparation as below:*

***Package –I :***

- a) *Phase I - Junction NH 44A (originating) passing through Chungtlang – Darlung – Buarpui.*
- b) *Phase – II –Buarpui – Thenhlum – Zawlpui.*

***Package – II :***

- c) *Phase I – Chawngte including bridge to Bungtlang South upto Multi Modal Road junction.*
- d) *Phase II – Zawlpui – Phairuangkai.*

***k. Construction of Road under Asian Development Bank (ADB):***

*Asian Development Bank (ADB) is assisting Government of India through a programme of work called North Eastern State Roads Investment Programme (NESRIP). Mizoram is one of such North*

Eastern States selected to receive ADB assistance under which the existing road between Serchhip to Buarpui is being improved and upgraded to an **Intermediate Lane Standard**. The total cost of the Project is Rs. 259.20 Crore and the project entails improvement and upgradation of 55 km of existing road. The project is to be completed within the next four years.

**l. Pradhan Mantri Gram Sadak Yojana (PMGSY) :**

PMGSY was launched in the year back in 2000. This project is known as Village Connectivity with the objective of providing all weather roads to all unconnected Villages having population of 250 and above. As per census record of 1991, there were 795 habitations in Mizoram out of which 363 villages were unconnected by all weather roads. Out of these 363 unconnected villages, 251 villages were entitled to be connected in this scheme as per norms. By the end of 2019, all villages are expected to be connected and so far, 169 villages have already been connected.

**m. Kaladan Multi Modal Transit Transport Project (KMMTTP) :**

Kaladan Multi Modal Transit Transport Project (KMMTTP) is one of the most important projects in the region implemented under Government of India, Look East Policy. The project is meant for connecting landlocked North East India from Kolkata through Sittwe (Akyab), Sea Port in Myanmar via Kaladan River route. It is a two-lane National Highways and the total length of the road will be around 90.00 km.

The work was started in November, 2010 and is in good progress and expected to be completed by the end of 2018. A revised Estimate amounting to Rs. 1123.15 crore was already sanctioned by the Ministry of Road Transport & Highway, Government of India.

**n. Construction of Vairengte – Zohmun – New Vervek road:**

This road is newly declared National Highways and designated NH 306 'A'. The existing road needs to be improved and for that DPR for survey and feasibility study is prepared and submitted to the MoRTH for Sanction. Once sanction is obtained, necessary action will be taken up immediately for construction of a 2-lane road.

**o. Improvement of NH 44 'A' :**

This Highway is a life line for western part of the State and a part of the road is the approach to the only Airport in the State. Widening and Improvement of the existing road to a 2-Lane Highway is in progress. The project is to be completed by the end of 2019.

**p. Improvement of Lunglei – Tlabung road :**

This road is newly declared National Highways and designated NH 302. This road is one of the most important connectivity for south eastern part of the State. The condition of road is very bad; Estimate for improvement of road is prepared and submitted to the MoRTH for sanction. Prior to sanction, Tender is being floated with the permission of the Ministry. Once sanction is obtained, work order will be issued immediately to the contractor for early execution of work.

**q. Improvement of NH 154 :**

This Highway is a life line for North Western part of the State. Widening and Improvement of the existing road to a 2-lane highway is in progress. The project is to be completed by the end of 2018.

**r. Construction of Keifang – Saichal – Ngopa – Hawkawn - Tuivai road:**

This road is newly declared National Highways and designated NH 102 'B'. The existing road needs to be improved and for that DPR is prepared and submitted to the MoRTH for sanction. Once sanction is obtained, necessary action will be taken immediately for improvement of road.

**2. East - West Connection :-**

Mizoram is a hilly State with almost the entire State having a mountainous terrain. Since all the major ranges of the mountains in the State run along the North – South direction, almost all the roads follow the ridges in the North – South direction with only a few roads available that run along the East – West direction.

Therefore, up-gradation of existing roads and construction of new roads running along East – West direction is very important to have more connectivity and a more balance road network in the State.

**3. Conversion of all temporary/weak bridges to permanent bridge :-**

PWD is presently maintaining 119 nos of bridges in the state. Out of which 70 nos are permanent while as much as 49 nos are still categorized as temporary bridge. These temporary bridges are generally weak in nature, utmost care should be taken for proper and regular maintenance of these bridges.

Unfortunately, there were some instances where bridges could no longer perform their functions and a few of them even collapsed under extreme condition leading to loss of lives and vehicles. Now a days, with considerable improvement in roads, high load carrying vehicles are also plying on our highways leading to high demand of load carrying capacity as well as efficiency in our bridges. It is therefore felt necessary to convert all the temporary bridges to permanent bridges to cater the needs of the hour.

**4. Connection of all neighbouring state capitals from Aizawl with 4-lane road :-**

With the advancement of technology and improvement of financial and economic condition in the country, 4 - lane roads will soon connect the capitals of neighbouring States like Agartala, Shillong, Imphal and Guwahati in no time. Being part of the East – West corridor National Highways Project, Guwahati and Silchar will be fully connected by a 4-lane road shortly.

As such, it is visualized that all neighbouring state capitals are connected with 4-lane roads from Aizawl in the near future. It may not be possible to have a complete 4 – lane in a single stretch of carriage-way due to steep and mountainous nature of terrain, but a feasibility of providing double storey highways or, a separate carriageway having 2-lane in one direction and another 2-lane in the opposite direction above or below the existing highway can be considered.

**5. Connection of all District headquarters with a 2-lane road :-**

National Highways in the State are being improved to a 2-lane standard under the National Highways Development Programme and SARDP-NE under Ministry of Roads Transport and Highways, Government of India. Being connected by National Highways, all district headquarters in the State are likely to be connected with 2-lane roads in the near future.

District headquarters like Lunglei, Saiha, Lawngtlai, Mamit, Kolasib and Serchhip are already connected with a 2-lane road whereas Champhai is the only one left and about to be connected shortly. Once all district headquarters are connected with 2-lane roads, a balanced socio-economic development in every region of the state in all respects is expected.

**6. Construction of Aizawl ring road :-**

Aizawl, the State Capital with a population of around 3,00,000 as per 2011 census is a rapidly growing city. It has a road network of 297.00 Km length with a new Vehicles Registration Rate of approximately 1,800 nos. per month. Traffic Jams are a day to day phenomenon in Aizawl with normal activities greatly hampered by such Jams. Numbers of vehicle registered are increasing day by day while; the existing roads remain same leaving very high density of Vehicle in the road. An hour is exhausted even to cover a distance of a kilometer in a peak hour in a bad day.

It is highly important to have a ring road around the city. There should be accessed to the ring road from the inner road and then to the heart of the city from sufficient points so that every corner of the city is reachable within no time avoiding the main line of road in the city.

**7. Construction of Lunglei ring road:-**

Lunglei town is the second capital of the State. Approximately 60,000 people are living in the town. Numbers of vehicles are considerably increased in the last 10 years and the town is in the verge of facing hardship in vehicular traffic now. It is strongly suggested to have a proper ring road around the town so as to reduce the density of vehicle in the heart of the town. This ring road will definitely relieve the traffic problem.

**8. Construction of new Township for Aizawl:-**

Aizawl city, the capital of the State accommodated a round 3.00 lakh people which is approximately 33% population of the State. Considering the rapid rate of increase of population, the existing infrastructures like buildings and roads in the city are very limited. It is imperative that the city will be overpopulated in due course of time.

As is being practiced in many other cities in India, a new Township is very much required to ease the pressure on Aizawl City proper in particular and for the well being of the public in general. As population increases in any city, there is a limit to which the basic infrastructure like roads, buildings, community hall, drinking water plant, supply of power and electricity etc. can accommodate and beyond which the whole basic necessity delivery system will just collapse under pressure. Aizawl city is almost on the verge of reaching this limit and therefore, a new and modern township project needs to be developed in the near future. A new Township will accommodate Government offices and staffs quarters in order to ease traffic volume connecting to new Township. In this respect, survey for site and feasibility studies must be initiated immediately in order that appropriate action can be taken in time.

**9. Construction of a new Airport in South Mizoram:-**

The importance of Airport in the State needs no exaggeration as Mizoram is a landlocked State and the fruits of having one at Aizawl, the capital city, being experienced every day. The only Airport in the state, Lengpui Airport is located in the western side of Aizawl, away 30 km from the city. Daily flights from Delhi, Kolkata, Guwahati are available. Air travelling is easy, fast and secure. Mizoram, bounded by the International boundaries of both Bangladesh and Myanmar and Road communications being costly and erratic, particularly during monsoons, it highly warrants that a new airport is constructed in South Mizoram to cater to the Medical emergency as well as Security needs of the people in the surrounding areas. It is seen that life standards and development in all respects are improved after having Airport in the State. Therefore, it is strongly desired that another Airport be located in the southern part of the State.

**10. Improvement and strengthening of all district and village roads:-**

Out of the total road length of 7,390 km, the total length of district and village roads in the state is about 3,490 km. These roads are maintained from State maintenance fund as and when funds are available in order of priority. Some roads are good, some are not and some roads are even below standard due to limited fund. Roads are normally repaired depending on availability of fund. As such, most of the State roads are not up to the mark.

Improvement in the form of curve improvement, road protection works and strengthening of road safety structures and furniture are targeted. Further, quality improvement in the form of resurfacing for every five (5) year interval needs to be done on priority basis. If these roads are improved and strengthened, it will reflect to the overall development of the State as roads being the basic infrastructure in the State. While National Highways in the State are upgraded upto some extent, we can not neglect State roads, otherwise, balance development will not be achieved.

**11. Development of Ropeway :-**

Having said about the road congestion problem in Aizawl city, there is a very less chance of widening the existing city roads. The existing buildings are standing just beside the edge of the road and there is no provision for further widening of the road. Efforts have been made to

improve the city roads by having double height roads, tunneling, mono railing, fly over bridge etc, however all this exercise were in vain and scrapped in the concept paper stages so far. Therefore, Ropeway is the one and only option available to ease the city from traffic congestion. It has been learnt that for building a ropeway station, a very big building is not required. So, ropeway seems to be well suited and development of ropeway is indeed necessary in the near future. In this regards, necessary feasible study and survey should be conducted for further action.

**12. Construction of Complex / Quarters for Government employees at District Headquarter:-**

It has been learnt that there are about 62,900 government employees and the no. of government quarters available are about 2500 only. This indicates that only about 4% of the government employees are provided with a quarter which is still below a satisfactory level of 7%. Even to reach a satisfactory level, a new 1,900 buildings needs to be constructed immediately.

Government servants who are posted in different district headquarters are facing hardship for accommodation. Only few of them are accommodated in the government quarters while majority of the government servant are living in a rented building. As this trend goes on, it is unimaginable what will be the extent of accommodation problem for the next 20-30 years.

As such is the position, it is felt very much required to have a building complex or quarters for government servant in each of the district headquarters and in the State capital to accommodate government employees. The projected approximated cost for construction of 1,900 nos. of buildings @ Rs. 40.00 lakh / No comes around Rs. 760.00 crore.

**13. Improvement of Inland Water Transport (IWT) in the State :-**

As per the final report on 'Identification of potential waterways in North East India, July 2011' submitted by RITES, the following rivers in Mizoram have been identified as potential waterways for further studies for development of IWT in Mizoram.

- i) River Khawthlangtuipui, from Rajiv Nagar – Tlabung (180 km)
- ii) River Tuichawng, from Kawrpuichhuah – Tuichawng (135 km)
- iii) River Tut, from Dapchhuah – Tlangkhang (55 km)

Tender was floated on e-procurement basis through Mizoram e-procurement portal for selection of consultant to prepare DPR for the first 23 kms of River Khawthlangtuipui to Tuichawng in Lunglei District, Mizoram on 15.10.2015. Technical bid was opened on 30.11.2015 and Financial bid for the same was opened online on 22.11.2015. In this connection, it was learnt that the lowest bid amount of Rs. 57.27 lakh, quoted by M/S RITES Limited have been approved by the Ministry of Shipping, Government of India. As soon as sanction is obtained from the Ministry, work order may be issued to the contractor.

River Chhimtuipui (Kolodyne) and River Tlawng and R Tut are proposed for development of IWT in the State. The Ministry is requested to send Expert Team to have feasibility study and hydrographic survey of River Tlawng and River Tut in the Northwest and River Chhimtuipui in the southern part of Mizoram.

River Tlawng is included in the National Waterways Bill, 2015 for declaring 106 additional Inland Waterways as National Waterways and feasibility study by IWAI is in progress for this river.

Once IWT is implemented in the State, a considerable improvement will be achieved in transport communication system by utilizing indigenous river routes.

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### Chapter 3

#### PERFORMANCE INDICATORS

The following tables are prepared to provide an overview of the performance of the Mizoram PWD for the year 2015-2016 in relation to program delivery, financial management, asset management and human resources.

**1 ROAD NETWORK ASSETS, ROAD LENGTH by CLASS, SURFACE AND CONDITION (This is exclusive of Roads under BRO) :**

Road Class	BT (km)	Un-Surfaced (Km)	Total length (Km)
National Highway	1,205.120	260.000	1,465.120
State Highway	170.000	0.000	170.000
Major District Road	601.400	0.000	601.400
Other District Road	769.700	208.600	978.300
Village Road	440.337	1,470.310	1,910.647
Roads within Towns & Villages	509.318	195.594	704.912
City Road	253.656	43.754	297.410
<b>Total</b>	<b>3,949.531</b>	<b>2,178.258</b>	<b>6,127.789</b>

**2 ROAD ASSETS :**

Road Assets	BT (km)	Un-Surfaced (Km)	Total length (Km)
State PWD Roads	3,949.531	2,178.258	6,127.789
Roads under BRO	609.625	286.690	896.315
Roads under CPWD	175.600	0.000	175.600
Roads under other Deptts	0.000	432.900	432.900
<b>Total</b>	<b>4,734.756</b>	<b>2,897.848</b>	<b>7,632.604</b>

**3 Bridges by Types :**

As on 14.10.2015, the following Bridges are recorded in the Department.

Srl. No.	Classification	Number of Bridges
1	Reinforced Cement Concrete (RCC) Bridge	33
2	Pre-Stressed Concrete (PSC) Bridge	15
3	Built-up Steel Girder (BUSG) Bridge	19
4	Stiffened Steel Grinder Suspension Bridge	3
5	Bailey Bridge ( <i>Temporary</i> )	46
6	Timber Bridge ( <i>Temporary</i> )	3
	<b>Total</b>	<b>119</b>

#### 4 PWD PLANTS AND EQUIPMENTS :

As per record of 31<sup>st</sup> March, 2016, the following plants and equipments were recorded in the Department.

Sl/No	Plant Category	Number of Plant	Day of use	Possible day of use	Utilization %
1	Static Road Roller	89	120	160	75
2	Mini Tandem Vibratory Compactor	10	120	160	75
3	Tandem Vibratory Compactor(Big)	1	120	160	75
4	Excavator cum Loader	20	180	220	82
5	Hot Mix Plant 20-30 TPH	1	12	180	67
6	Hot Mix Plant 10-15 TPH	2	120	180	67
7	Mini Hot Mix Plant 3-5 TPH	4	120	180	67
8	Air Compressor	5	180	220	82
9	Stone Crusher	5	180	220	82
10	Mobile Crane	1	180	220	82
11	Mobile Van	1	150	220	68
12	Tipper truck 1210 TATA	2	200	240	83
13	Paver Finisher	3	120	180	67
14	Recovery Van	1	200	240	83
15	TATA 407 Truck	1	200	240	83
<b>Total Number of Plants &amp; Equipment :</b>		<b>146</b>			

#### 5 BUILDINGS MAINTAINED BY PWD :

There are no new records. As per record of 2007, the following Buildings were recorded in the Department.

Occupied by	Number of Buildings	Total Floor area
PWD	1572	432222.98 Sq.m
Others	1495	
<b>Total</b>	<b>3067</b>	

#### 6 PRIVATE SECTOR PARTICIPATION :

Category	Number of Contractors Registered
Class – I	160
Class – II	233

#### 7. ROAD DENSITY :

As per latest record, the area of Mizoram is 21087 Sqkm. The total length of all classes of roads in Mizoram is 7632.60 km. Thereby; the road density in Mizoram is 36.19 kms/100 sqkm which is far below the national level of 148.00 kms per 100 sqkm.

## 8. ACHIEVEMENT OF QUALITY CONTROL DIVISION, ZUANGTUI DURING 2015-16:

Quality Control Division is under the direct control of Engineer in Chief. The erstwhile Store Division has been re-named as Quality Control Division with effect from 1st June 2001 and its organisation strengthened into 4(four) Sub-Divisions from the earlier 2(two) Sub-Divisions and its scope of function are also expanded.

Quality Control Division and its Laboratory at Zuangtui are an IS/ISO 9001:2008 Certified establishment since 3<sup>rd</sup> September 2009. The main function of this Division is to inspect construction work under the direction and control of Engineer-in- Chief and conduct requisite test on quality of work done. The Division is also having Central Laboratory at Zuangtui and Sub-Division Laboratory at Lunglei for testing construction materials and other locally available materials as well as imported materials for Buildings and Roads work.

During the year 2015-16, the Division has carried out number of inspections in different part of the State for different kinds of tests and instruction has also being given at the site to the field Staff of PWD as well as to the Contractors.

Besides checking of the quality of works and construction material of the works under PWD, the quality of Cement in the Open Market are also randomly checked to ensure the quality of Cement available for the Public. Tests on materials are also done for contractors of various construction agencies, departments and private parties. Nominal charges are levied from the customers depending on the types of tests as per rates fixed by the Department.

Quality Control Division is also responsible for procurement, monitoring and issuing materials like Explosive, Bitumen, etc., which are required for construction works of PWD Mizoram to various working Division.

During the year 2015-16, various tests and checks were carried out for different materials and items as shown in the table below:-

### Achievement Report for the Year 2015-2016

#### Under Central Laboratory Quality Control Division

SU/No	Particulars	Cumulative Achievement from March 2015 – March, 2016	Remarks
1	No. of Sample Received	289	
2	Target No. of Test Result to be prepared	289	
3	No. of Test Results prepared	289	
4	Achievement out of Target ( % )	100%	

**TEST AND CHECK PERFORMED DURING 2015-16 BY QUALITY CONTROL DIVISION, ZUANGTUI**

Sl.No.	Particulars for Items of Test/Check	No. of Test
1	<b>Aggregates :</b>	144
	Impact Value (AIV) , Water Absorbtion (WA)	
	LosAngeles Abrasion Value (LA), SIEVE Analysis, Flakiness and Elongation Index Test, Crushing Strength, Soundness Test	
2	<b>Bitumen :</b>	6
	Penetration Test, Ductility Test, Mix Design (Marshal Stability Test)	
3	<b>Cement Test:</b>	51
	Compressive Strength Test, Setting Time, Consistency Test	
4	Concrete Mix Design	14
5	Concrete Cube test	30
6	<b>Sand :</b>	20
	Bulk Density Test, Silt Content Test	
7	California Bearing Ratio (CBR) Test	7
8	<b>Soil :</b>	11
	Safe Bearing Capacity (SBC), Maximum Dry Density(MDD) Test, Plasticity Index (LL+PL= PI)	
9	<b>Steel :</b>	13
	Universal Testing Machine(UTM) Steel Rod Tensile Strength test (by using Universal Testing Machine)	
10	<b>Brick :</b>	3
	Compressive Strength Test, Water Absorbtion Test, Dimension test	
	<b>Total</b>	<b>299</b>

During the period under report, the quantity received/procured and disbursed/issued on Bitumen and Explosive by Quality Control Division, PWD are as follows :-

Sl.No.	Particulars of Items of Materials	Opening Balance as on 01.4.2015	Qty. Received	Qty. Issued	Balance as on 31.3.2016
1	Bitumen VG-10	20.629 MT	1483.00 MT	1348.00 MT	116.58 MT
2	Explosive neogel	3.78 MT	15.00 MT	17.20 MT	3.60 MT

**9. ABBREVIATIONS :**


<b>NH</b> :	National Highways	<b>SH</b> :	State Highways
<b>MDR</b> :	Major District Roads	<b>ODR</b> :	Other District Roads
<b>VR</b> :	Village Roads	<b>RTV</b> :	Roads within Towns & Villages
<b>City Road:</b>	Roads within Aizawl City.	<b>MT</b> :	Metric Tonne



Pictures of disasters during 2015-2016 at different places :



Pictures of disasters during 2015-2016 at different places (contd.):

Road damaged during rainy season dt 7.9.2015 on NH 54 at 446.8 kmp near Bualte 



**Pictures of disasters during 2015-2016 at different places (contd.):**



**Repaired of Chite Bridge &  
Opened by 15.10.2015  
evening. ↓**





## Chapter 4

### ORGANIZATION OF MIZORAM PWD

The Mizoram PWD is headed by one Engineer-in-Chief and divided into three functional zones each headed by Chief Engineer i.e. Roads, Highways & Buildings. The Office of Engineer-in-Chief located at Tuikhuahtlang, Aizawl is assisted by one Chief Engineer (Planning) & one Chief Architect. Apart from the head offices, the present number of other Sub-Offices are shown below :

- a) 9 Circle offices & one PIU each headed by Superintending Engineer (SE) and
- b) 29 Divisional Offices each headed by Executive Engineer (EE)
- c) 84 Sub-Divisional Offices each headed by Sub-Divisional Officer (SDO)

Details are shown below along with their locations :-

S/N	NAME OF OFFICE	LOCATION
	<b>HEAD OFFICES</b>	
1	Secretariat	Tuikhuahtlang, Aizawl
2	Engineer-in-Chief	Tuikhuahtlang, Aizawl
3	Chief Engineer, Roads	Tuikhuahtlang, Aizawl
4	Chief Engineer, Highways	Tuikhuahtlang, Aizawl
5	Chief Engineer, Buildings	Tuikhuahtlang, Aizawl
6	Chief Architect	Tuikhuahtlang, Aizawl
	<b>CIRCLE OFFICES</b>	
1	Eastern Circle	Laipuitlang, Aizawl
2	Western Circle	Laipuitlang, Aizawl
3	Mechanical Circle	Laipuitlang, Aizawl
4	National Highway Circle-I	Ramhlun PWD Mual, Aizawl
5	National Highway Circle-II	Laipuitlang, Aizawl
6	Building Circle	Treasury Square, Aizawl
7	Project Circle	Treasury Square, Aizawl
8	Lunglei Circle	Bazar Veng, Lunglei
9	Multi Modal Project Circle	Chawnhu, Lawngtlai
10	Project Implementation Unit (PIU) (World Bank & Asian Development Bank (ADB) aided Mizoram State Roads Project)	Tuikhuahtlang, Aizawl
	<b>DIVISION OFFICES</b>	
1	National Highway Division - I	Ramhlun PWD Mual, Aizawl
2	National Highway Division - II	Ramhlun PWD Mual, Aizawl
3	Kolasib Division	Kolasib
4	National Highway Division -III	Ramhlun PWD Mual, Aizawl
5	National Highway Division -IV	Lunglei
6	Aizawl Mechanical Division	Laipuitlang, Aizawl
7	Lunglei Electrical Division	Rahsi Veng, Lunglei
8	Aizawl Electrical Division	Laipuitlang, Aizawl

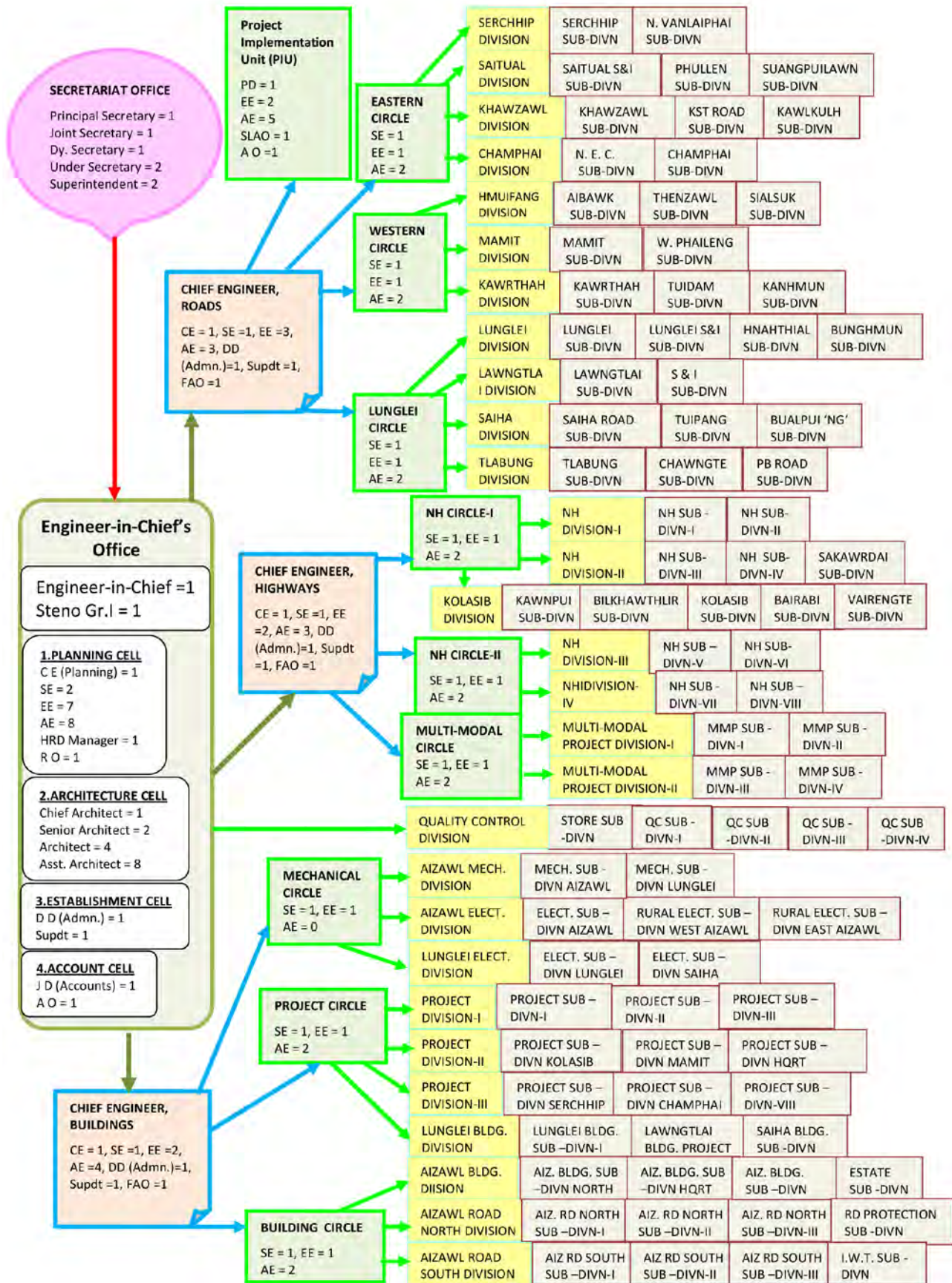
S/N	NAME OF OFFICE	LOCATION
9	Aizawl Building Division	Treasury Square, Aizawl
10	Aizawl Road North Division	Laipuitlang, Aizawl
11	Aizawl Road South Division	Treasury Square, Aizawl
12	Project Division - I	Treasury Square, Aizawl
13	Project Division - II	Laipuitlang, Aizawl
14	Project Division - III	Babutlang, Aizawl
15	Lunglei Building Division	Bazar Veng, Lunglei
16	Quality Control Division	Zuangtui, Aizawl
17	Lunglei Division (Road)	Bazar Veng, Lunglei
18	Tlabung Division	Zodin, Tlabung
19	Saiha Division	Saiha
20	Lawngtlai Division	Lawngtlai
21	Kawrthah Division	Kawrthah
22	Mamit Division	Mamit
23	Hmuifang Division	Aibawk
24	Serchhip Division	Serchhip
25	Saitual Division	Saitual
26	Khawzawl Division	Khawzawl
27	Champhai Division	Champhai
28	Multi Modal Project Division - I	Chawnhu, Lawngtlai
29	Multi Modal Project Division - II	Chawnhu, Lawngtlai
	<b>SUB-DIVISIONAL OFFICES</b>	
1	National Highway Sub-Division - I	Ramhlun PWD Mual, Aizawl
2	National Highway Sub-Division - II	Mamit
3	National Highway Sub-Division - III	Darlawn
4	National Highway Sub-Division - IV	Ramhlun, PWD Mual, Aizawl
5	Sakawrdai Sub-Division	Sakawrdai
6	National Highway Sub-Division-V	Ramhlun, PWD Mual, Aizawl
7	National Highway Sub-Division-VI	Ramhlun, PWD Mual, Aizawl
8	National Highway Sub-Division-VII	Ramhlun, PWD Mual, Aizawl
9	National Highway Sub-Division-VIII	Ramhlun, PWD Mual, Aizawl
10	Aizawl Mechanical Sub-Division	Laipuitlang, Aizawl
11	Lunglei Mechanical Sub-Division	Lunglei
12	Aizawl Rural Electrical Sub-Division East	Laipuitlang, Aizawl
13	Aizawl Rural Electrical Sub-Division West	Laipuitlang, Aizawl
14	Lunglei Electrical Sub-Division	Rahsi Veng, Lunglei
15	Saiha Electrical Sub-Division	Saiha
16	Quality Control Sub-Division - I	Zuangtui, Aizawl
17	Quality Control Sub-Division - II	Zuangtui, Aizawl
18	Quality Control Sub-Division - III	Zuangtui, Aizawl
19	Quality Control Sub-Division - IV	Chanmari, Lunglei
20	Store Sub-Division	Zuangtui, Aizawl

S/N	NAME OF OFFICE	LOCATION
21	Aizawl Building Sub-Division Headquarters	Treasury Square, Aizawl
22	Aizawl Building Sub-Division South	Treasury Square, Aizawl
23	Aizawl Building Sub-Division North	Laipuitlang, Aizawl
24	Estate Sub-Division	Treasury Square, Aizawl
25	Aizawl Road North Sub-Division - I	Laipuitlang, Aizawl
26	Aizawl Road North Sub-Division - II	Laipuitlang, Aizawl
27	Aizawl Road North Sub-Division - III	Laipuitlang, Aizawl
28	Road Protection Sub-Division	Treasury Square, Aizawl
29	Aizawl Road South Sub-Division - I	Treasury Square, Aizawl
30	Aizawl Road South Sub-Division - II	Treasury Square, Aizawl
31	Aizawl Road South Sub-Division - III	Treasury Square, Aizawl
32	Inland Water Transport (IWT) Sub-Division	Treasury Square, Aizawl
33	Project Sub-Division - I	Treasury Square, Aizawl
34	Project Sub-Division - II	Treasury Square, Aizawl
35	Project Sub-Division - III	Treasury Square, Aizawl
36	Project Sub-Division Mamit (V)	Treasury Square, Aizawl
37	Project Sub-Division Kolasib (VI)	Treasury Square, Aizawl
38	Project Sub-Division Serchhip (VII)	Serchhip/Babutlang, Aizawl
39	Project Sub-Division Champhai (IV)	Champhai/Babutlang, Aizawl
40	Project Sub-Division - VIII	Babutlang, Aizawl
41	Lunglei Building Sub-Division - I	Bazar Veng, Lunglei
42	Lawngtlai Bldg. Project Sub-Division	Lawngtlai
43	Saiha Bldg Sub-Division	Saiha
44	Lunglei S&I Sub-Division	Bazar Veng, Lunglei
45	Lunglei Road Sub-Division	Bazar Veng, Lunglei
46	Hnahthial Sub-Division	Hnahthial
47	Bunghmun Sub-Division	Bunghmun
48	Tlabung Sub-Division	Tlabung
49	P.B. Road Sub-Division	Lungsen
50	Chawngte Sub-Division	Chawngte
51	Saiha Road Sub-Division	Saiha
52	Tuipang Sub-Division	Tuipang
53	Bualpui NG Sub-Division	Bualpui NG
54	Lawngtlai Sub-Division	Lawngtlai
55	S&I Sub-Division	Lawngtlai
56	Mamit Sub-Division	Mamit
57	West Phaileng Sub-Division	West Phaileng
58	Sateek Sub-Division	Aibawk
59	Thenzawl Sub-Division	Thenzawl
60	Sialsuk Sub-Division	Sialsuk
61	Kawrthah Sub-Division	Kawrthah
62	Tuidam Sub-Division	Tuidam
63	Kanhmun Sub-Division	Kanhmun

<b>S/N</b>	<b>NAME OF OFFICE</b>	<b>LOCATION</b>
64	Serchhip Sub-Division	Serchhip
65	North Vanlaliphai Sub-Division	North Vanlaiphai
66	Saitual S&I Sub-Division	Saitual
67	Suangpuilawn Sub-Division	Suangpuilawn
68	Phullen Sub-Divisiuon	Phullen
69	Khawzawl Sub-Division	Khawzawl
70	KST Road Sub-Division	Ngopa
71	Kawlkulh Sub-Division	Kawlkulh
72	NEC Sub-Division	Champhai
73	Champhai Sub-Division	Champhai
74	Kolasib Sub-Division	Kolasib
75	Bilkhawthlir Sub-Division	Bilkhawthlir
76	Kawnpui Sub-Division	Kawnpui
77	Bairabi Sub-Division	Bairabi
78	Vairengte Sub-Division	Vairengte
79	Multi Modal Project Sub-Division - I	Lawngtlai/Laipuitlang
80	Multi Modal Project Sub-Division - II	Lawngtlai/Laipuitlang
81	Multi Modal Project Sub-Division - III	Bungtlang 'S'/Laipuitlang
82	Multi Modal Project Sub-Division - IV	Bungtlang 'S'/Laipuitlang

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## Organization Chart of Mizoram PWD as on 31.03.2016



## Chapter 5

### MISSION AND ROLE OF THE PUBLIC WORKS DEPARTMENT

The State PWD is divided into three functional zones, viz, Roads, Highways and Buildings. Each of the three zones is headed by Chief Engineer.

#### **The Roads Zone is responsible for**

- the efficient planning and delivery of road projects and programs on time, to agreed scope and budget; and
- efficient maintenance and development of all State roads (excepting the nominated projects and National Highways managed by the Highways zone and urban roads in Aizawl managed by the Buildings zone)

#### **The Highways Zone is responsible for**

- the efficient planning and delivery of major projects on time, to agreed scope and budget;
- efficient maintenance and development of State-managed National Highways; and
- efficient and effective management and utilisation of mechanical plant and equipment of the PWD in support of the road network.

#### **The Buildings Zone is responsible for**

- the efficient planning and design of Mizoram State Government buildings to safely and efficiently meet the functional requirements of the occupant and the Departments;
- construction and maintenance of Mizoram State Government Buildings on time, to agreed scope and budget;
- development of standards for Mizoram State Government buildings, recognising appropriate national and international practices for design, construction and maintenance..

## Chapter 6

### ACHIEVEMENTS UNDER CHIEF ENGINEER (ROADS)

Chief Engineer (Roads) is looking after all the constructions and maintenances of Roads in Rural Areas (outside of Aizawl City) excepting National Highways, Mizoram State Road Projects (MSRP) under World Bank Loan & ADB and Roads under Kolasib Division.

Construction and maintenance of roads and bridges in the State are the main subjects of Public Works Department. Every effort has been made to provide good roads to the public users for all round development within the available fund.

#### I. UNDER STATE PLAN :

There was no fund under SPA during the reported year which was normally set aside for the preparation of Schedule of Works in the past.

#### II. MAINTENANCE:

The total road Length maintained by PWD is 4662.00 kms during 2015-16 out of which 2744.00 kms of surfaced roads and 1918.00 kms of un-surfaced roads including 105 Nos. of Bridges is funded from the State Budget.

Maintenance of the roads includes items such as Jungle Clearance, patch repair, pot-hole repair, side drain cleaning, surface clearing, landslip clearance, repair of culverts and retaining walls. ₹ 33.50 crores was provided for normal Maintenance of Roads during 2015-2016. Action Plan had been prepared for specific roads within the State during the year 2015-16. The achievements on action plan may be summarized as below :

Resurfacing	=	30.85 kms
Patch Repair	=	262.00 kms
R/Wall	=	24 nos.
Hume Pipe Culverts	=	2 nos
Pavement	=	0.22 kms

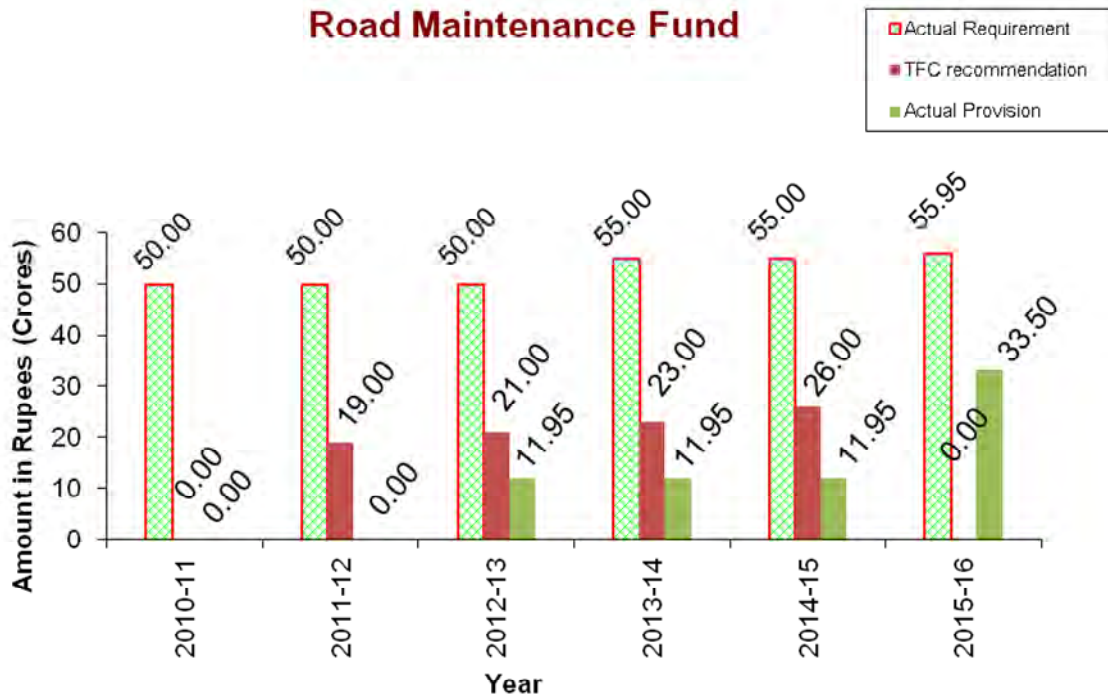
The State Fund is utilized mostly for Periodic Maintenance type like renovation/reconstruction of road crust, resurfacing, protection works, etc.

Maintenance Chart is shown below:-

(Rs in crore)

SU/No	Year	Requirement as per norms	13th Finance Commission	Normal Maintenance Fund from State during 12th % Year Plan (2012-2017)
1	2010-11	50.00	0.00	0.00
2	2011-12	50.00	19.00	0.00
3	2012-13	50.00	21.00	11.95
4	2013-14	55.00	23.00	11.95
5	2014-15	55.00	26.00	11.95
6	2015-16	55.95	0.00	33.50
	<b>Total</b>		<b>89.00</b>	<b>69.35</b>

## Road Maintenance Fund



This table is for the State Roads only without National Highways and was based on the actual requirement for yearly Ordinary/Normal maintenance at the rate of Rs 1.20 Lkhs/km during the year.

### III. ACHIEVEMENTS UNDER OTHER FUNDING AGENCIES:

The department has various sources of funding for construction of new roads, up gradation, improvement, etc. These sources of funding are the Normal State Budget, PMGSY, NEC, NABARD, NLCPR, ISC, CRF, etc. The achievements under these schemes of funding sources apart from State Plan and EAP are furnished as below:

#### 1. PMGSY :

The Pradhan Mantri Gram Sadak Yojana (PMGSY), Central Government Direct Funding Scheme, was launched in 2000 AD. It is a project which is popularly known as Village Connectivity with the objective of providing all weather roads to all unconnected Villages having population of 250 and above and is implemented under proper pre-determined programme. The villages to be connected are prioritized accordingly in Mizoram out of the Village population.

#### Trends & Updated Status of PMGSY in Mizoram:

As per Census record of 1991, there are 795 habitations out of which 363 villages are unconnected by all-weather road. Again out of these 363 villages, 251 villages are entitled to be included in this scheme as per norms. Break-up of these villages in population wise is as under:-

Priority No I	: Population 1000 above	= 32
Priority No. II	: Population 500-999	= 104
PriorityNo.III	: Population 250-499	= 115
<b>Total</b>		<b>= 251</b>

(A habitation less than 250 population en-route is also considered under this Scheme and is termed as 'incidental')



PMGSY is a 100% Centrally Sponsored Scheme but maintenance is to be borne by the State Government. The Central Government directly credited the sanction in the accounts of the Chief Executive Officer, Mizoram Rural Roads Development Agency (MiRRDA) at the State Bank of India, Aizawl. The amount of Sanction and Fund received upto date is as follows:-

During the year 2015-16, 10 (ten) road projects for a length of 135.80 Kms have been completed benefitting 10 (ten) nos. of habitation out of which 4 (four) habitations are connected by all-weather road.

	<b><u>Sanctioned Amount</u></b>	<b><u>Fund received</u></b>
Phase I (2000 - 01)	= Rs. 1994.86	Rs. 1994.86 lakhs
Phase II (2001 - 02)	= Rs. 4937.90	Rs. 4938.00 lakhs
Phase III (2003 - 04)	= Rs. 4887.63	Rs. 4880.59 lakhs
Phase IV (2004 - 06)	= Rs. 9278.88	Rs. 9278.88 lakhs
Phase V (2005 - 06)	= Rs. 11844.93	Rs. 12199.00 lakhs
Phase VI ( 2006 – 07)	= Rs. 14715.29	Rs. 14715.00 lakhs
Phase VI Part-II (2008 - 09)	= Rs. 3481.65	Rs. 0.00 lakhs
Phase VII (2008 - 09)	= Rs. 17689.21	Rs. 16096.00 lakhs
Phase VII Part-II (2013 - 14)	= <u>Rs. 28456.66</u>	<u>Rs. 10564.00 lakhs</u>
<b>Total</b>	<b>= Rs. 97287.01 lakhs</b>	<b>Rs. 74664.47 lakhs</b>
	Bank Interest :	Rs. 2086.00 lakhs
	Sanctioned by GOM SMS 2015-16 :	Rs. 160.00 lakhs
	Towards cost over run sanctioned by GOM :	Rs. 450.00 lakhs
	<b>Grand Total</b> :	<b>Rs. 79650.85 lakhs</b>

**Achievement as on March, 2016 is as follows:-**

Length of Formation Cutting completed	:	1756.17km
Length of Black Topping completed	:	534.20 km
Nos. of Habitations served	:	169 Nos.
Total Expenditure upto March, 2016	:	74,898.86 lakhs

**Phase I:**

Length of New formation cutting	=	106.93 Km
Length of Black Topping	=	13.00 Km
Nos. of Habitations served	=	6 nos

*All projects are completed.*

**Phase II :**

Length of New formation cutting	=	202.90 Km
Length of Black Topping	=	123.61Km
Nos. of Habitations served	=	22 nos

*All projects are completed.*

**Phase III :**

Length of New formation cutting	=	255.51 Km
Length of Black Topping	=	23.00 Km
Nos. of Habitations served	=	21 nos

*All projects are completed.*

**Phase IV:**

Length of New formation cutting	=	276.70 Km
Length of Black Topping	=	47.93 Km
Nos. of Habitations served	=	20 nos

*All projects are completed.*

**Phase V:**

Length of New formation cutting	=	174.34 Km
Length of Black Topping	=	118.72 Km
Nos. of Habitations served	=	20 nos

*{In this phase, one road package viz., Lengpui-W.Serzawl (17.78 km) is in progress and are expected to be completed shortly}*

**Phase VI:**

Length of New formation cutting	=	317.17Km
Length of Black Topping	=	24.40 Km
Nos. of Habitations served	=	35 nos

*{In this phase, four road packages viz., Chhawrtui-Rullam (20.55 km), Niawhtlang-Chakhang (23.26 km), Siachangkawn –Vawmbuk (12.25 km) &Kawlchaw 'E'-Serkawr (11.80 km) are in progress and are expected to be completed shortly}*

**Phase VII Batch-I(Sage-II works only):**

Length of Black Topping	=	61.07 Km
Nos. of Habitations served	=	0 nos

*{In this phase, three road packages viz., Sakawrdai-Zohmun (14.00 km), Khuangleng-Bungzung (18.00 km), & Khuangleng-Lianpui (19.00 km) are in progress and are expected to be completed shortly}*

**Phase VII Batch-II:**

Length of New formation cutting	=	422.62Km
Length of Black Topping	=	0.00 Km
Nos. of Habitations served	=	45nos

*{In this phase, one road packages Tawngkolong – Lawngmasu (28.94 km) is in progress and expected to be completed shortly}*

**Phase VIII (Sage-II works only):**

Length of Black Topping	=	122.48 Km
Nos. of Habitations served	=	0 nos

*In this phase, 6 projects are completed and 23 projects are in progress.*

Since inception of PMGSY Scheme in Mizoram, a total of 217 different roads for a length of 2851.92 kms have been covered benefitting 171 nos. of habitations, 37nos of roads for a length of 421.23 kms have been completed upto black-topping stage benefitting 40 nos. of habitations.

**Cell-Filled concrete road of Lengpui-Hmunpui**



## 2. NABARD :

Few Rural Roads are taken up with loan availed from the National Bank for Agriculture and Rural Development (NABARD). Under this scheme, the state PWD is having the following projects. The achievements during the reported year are given below:

**Scope of the work for NABARD** : The scope of the projects is for increasing the Agricultural Plantation and their Marketings. The present funding pattern for all of the projects is 90:10, which means 90% of the project cost is borne by NABARD and only 10% of cost is borne by the State. Under this scheme, the State PWD is having the following projects and are as follows :

*Rs in  
Lakhs*

Sl. No.	Name of Works	Length (in kms)	Sanction Amount	Achievement upto 31st March, 2016		Remarks
				Physical	Financial	
1	2	3	4	5	6	7
1	Strengthening and Rehabilitation of W. Phaileng to Marpara Road (0.00 - 80.00 kmp) Package - I, (0.00 - 27.00 kmp)	27.00	4,894.09	95%	4,492.15	
	Package - II, (27.00 - 54.00 kmp)	27.00				
	Package - III, (54.00 - 80.00 kmp)	26.00				
2	Pavement of Muallungthu - Khumtung Road (11.60 - 33.50 kmp)	21.90	1,971.06	40%	722.99	
3	Improvement and Widening of Suangpuilawn to Zawngin Road within Mizoram (0.00 - 13.150 Kmp)	13.15	1,780.21	0.50%	178.00	
4	Formation cutting & Pavement of Zote - Chhipphir Road (0.00 - 9.480 Kp)	9.48	1,103.31	0.60%	110.00	
5	Construction of Laki - Vahai Road (0.00 - 20.00 Kmp)	20.00	2,170.00	1.00%	210.00	
6	Construction of Pavement on R. Tuichang - Tumtukawn (10.50 - 52.00 kmp on Hnahthial - Thingsai Road)	41.50	3,934.00	0.50%	393.00	
7	Pavement work of Chuhvel - Sihthiang Road	11.00	959.53	0.50%	96.00	
	<b>Total</b>	<b>197.03</b>	<b>16,812.20</b>		<b>6,202.14</b>	

### 3. N.E.C :

The North Eastern Council (NEC) has funded many road projects of Economical and Interstate importance in Mizoram since the 5<sup>th</sup> Five Year Plan. The following Projects are taken up during the year under report (2014-15).

*Rs in Lakhs*

Sl No	Name of Work	Estimated Amount		Achievement upto 31st March, 2016		Remarks
		Approved Cost	Revised cost	Physical	Financial	
1	2	3	4	5	6	7
1	Construction of Saitual-Saichal-NE Bualpui Road (36.60Kms)	3343.60 27/9/2004	4097.00 16/9/2011	90%	3713.37	Sanction for 2nd R/E awaited from NEC.
2	Upgradation of Bairabi - Zamuang road (30.00 Kms)	3391.00 27/10/2004	3768.05 16.9.2011	95%	4232.61	Physically completed except PSC Bridge over R.Tlawng
3	Construction of Tlabung - Kawrpuchhuah Road (16.42 Kms)	1416.00 16/12/2005	1494.00 24.8.2015	100%	1494.00	Completed.
4	Upgradation of Thanlon - Singhat (Ngopa-Tuivai) Road (43.40 Km)	6767.00 17/8/2010	-	85%	5087.24	Work in progress
5	Upgradation of Serkhan - Bhaga Road (115.2 Km)	14603.00 29/11/2011	14863.00 29.01.2014	65%	8766.66	Work in Progress
6	Upgradation of KDZKT Road (88.50 Kms)	13470.00 9.1.2013	17963.00 20.02.2015	2%	2944.44	Work in Progress
7	Construction of Cultural Centre cum Audotirium at Vaivakawn	619.10 31.01.2013	-	33%	161.11	Work in Progress
8	Construction of Dawrpuiengthar Cemetery	258.37 1/2/2011	-	100%	257.61	Completed
9	Upgradation of Silchar-Dwarbon-Phaisen-Buhchang Road (9.30 Kms)	880.07 19/11/2004	968.00 16/9/2011	100%	959.60	Completed
10	Upgradation of Keitum to Artahkawn Road (34.00 Kms)	2908.40 16/9/2004	3230.00 19/8/2011	100%	3213.03	Completed
11	Upgradation of Saitual-Phullen Road (60.00 Kms)	5217.20 4/2/2005	5795.00 19/8/2011	100%	5781.21	Completed
12	Upgradation of Mamit to Bairabi Road (37.00 Kms)	3341.00 19-Oct-04	3675.00 13/9/2011	100%	3579.35	Completed

13	Construction of Mission Veng Bazar Complex at Mission veng Aizawl.	598.41 3/3/2014	-	12%	149.60	Work in Progress
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*This was based on the Quarterly Progress Report (QPR) of Quarter ending March 2016.*



**Laying of WBM at Ngopa-Tuivai Road under NEC**

#### 4. NLCPR :

Non- Lapsable Central Pool of Resources (NLCPR) under the Ministry of DoNER, Govt of India has been funding 15 Projects for construction of infrastructure in roads, bridges and buildings work. Under this NLCPR scheme, funding system is 90:10 which means 90 % Grant from Central Govt. and 10% to be borne by the State Govt. Mizoram PWD is executing 4 Bridge Project, 9 Road Projects and 2 Building projects at various places as below :-

*Rs in Lakhs*

SL.No	Name of Work	Sanction Amount	Achievement upto 31st March, 2016		Remarks
			Physical	Financial	
1	2	3	4	5	6
1	Construction of Bailey Bridge over R.Tuisa on Kawlbem-Vaikhawtlang Road (40.00m)	247.68	100%	158.62	Physically completed on 18.10.2014
2	Construction of Bailey Bridge over R.Lunghmullui on Lengpui-Serzawl Road (50.00m)	190.50	100%	173.25	Completed
3	Construction of Bailey Bridge over R.Tuikum on Chhingchhip-Hmuntha Road (40.00m)	211.24	100%	83.31	Physically completed on 7.3.2015
4	Construction of Bamboo Plantation Link road from Saiphah - Hortoki (0-27 Km)	1299.67	90%	864.29	Work in progress

5	Construction of Bamboo Plantation Link road from Tuirial Airfield to Bukpui (0-40 Kms) Ph-I	2239.00	38%	705.29	Work in progress
6	Construction of Bamboo Plantation Link road from Tuirial Airfield to Bukpui (40-84 Kms) Ph-II	2512.00	43%	879.37	Work in progress
7	Construction of Road from Chuhvel to Sihthiang in Mizoram (0.00-11.00 Km)	223.53	100%		completed
8	Construction of Khanpui - Tualbung Road Phase - I (0.00-7.00 Km)	197.21	82%	135.36	Work in progress
9	Construction of Jeepable suspension bridge over R. Chhimtuipui at Darzokai	216.21	100%	207.73	Work in progress
10	Construction of Sihpui - Thuampui road in Mizoram (4.40 Km)	248.23	100%	238.49	Work in progress
11	Construction of approach road to Tuivai from Mimbang and approach road to Godown at Kawlkulh (0.00-14.50 Km)	367.09	66%	219.00	Work in progress
12	Construction of Multi Complex Building Auditorium at PUC, Aizawl, Mizoram	285.26	90%	216.79	Work in progress
13	Construction of Boys & Girls Hostel at Saitual and Thingsulthiah	189.99	100%	151.06	Completed
14	Construction of Hnahthial - Hualawng via Zotui Road Ph-I ( 14.393 Km)	1515.78	41%	545.60	Work in progress
15	Construction of Examination Hall for MPSC Mizoram.	223.53	100%	275.84	Civil Work Completed
16	Establishment of Veterinary Polyclinic building with Officers Qtr at Khatla	482.3	100%	472.65	Completed
17	Construction of Indoor Stadium at Keitum in Mizoram	173.75	100%	133.81	Completed
18	Construction of Indoor Stadium at Bungtlang in Mizoram.	173.75	100%	133.81	Completed
19	State Sports Academy at Zobawk	1751.24	67%	697.78	Work in progress
20	Construction of Multi Level Parking, Community Centre & Office Complex at Aizawl North in Mizoram	1298.26	20%	0.00	Work in progress
21	Construction of Additional Works for Indoor Stadium at Pitarte Tlang	245.11	80%	88.24	Work in progress
22	Construction of Indoor stadium at Chandmari, Lunglei	496.19	58%	350.93	Work in progress

23	Constn of Medical Staff quarters for CHC at Saitual and Thingsulthliah	132.21	87%	51.84	Work in progress
24	<b>(Hospital &amp; Medical Education)</b> Construction of 100 Bedded Hospital at Saiha	1592.52	46%	493.04	Work in progress
	<b>Infrastructure Development of 10 colleges in Mizoram:</b>				
25	1) T.Roman College	135.57	97%	75.58	Work in progress
26	2) Johnson College	135.62	79%	68.92	Work in progress
27	3) Saitual College	97.24	100%	84.15	Completed
28	4) J.Thankima College	85.77	73%	53.63	Work in progress
29	5) Aizawl N College	135.62	100%	102.91	Completed
30	6) Aizawl West College	135.61	80%	75.23	Work in progress
31	7) Khawzawl College	141.51	100%	104.73	Completed
32	8) J.Buana College	142.50	100%	105.01	Completed
33	9) Kolasib College	188.65	99%	53.61	Work in progress
34	10) Hnahthial College	142.73	100%	105.08	Completed
	<b>Infrastructure development of 4 colleges in Mizoram :</b>				
35	1) Boys Hostel Lunglei College	40.22	100%	34.40	Completed
36	2) Girls Hostel Lunglei College	40.22	100%	34.48	Completed
37	3) Boys & Girls Hostel Saiha College	41.97	100%	25.11	Completed
38	4) College Building at Saiha	113.71	99%	80.93	Work in progress
39	5) Girls Hostel Zirtiri College	85.16	100%	76.04	Civil work completed
40	6) Boys Hostel Zirtiri College	85.16	100%	75.66	Civil work completed
41	7) Boys & Girls Hostel Serchhip	39.23	100%	34.12	Completed
42	8) College Building at Serchhip	100.65	100%	76.23	Work in progress
43	Construction of Mizoram Law College at Luangmual, Aizawl	289.58	98%	265.56	Civil Work Completed
44	Infrastructure Development of Lawngtlai College in Mizoram	136.09	88%	54.43	Work in progress
45	Infrastructure Development of Champhai College in Mizoram	951.29	100%	825.13	Completed
	<b>Construction of 10 Nos. of Helipads in Mizoram :</b>				
46	1) Champhai	56.30	85%	103.27	Work in progress
47	2) Kolasib	6.32			
48	3) Lunglei	6.59			
49	4) Mamit	25.46			
50	5) Hnahthial	6.56			
51	6) Saitual	53.88			

52	7) Serchhip	36.27			
53	8) Thenzawl	57.14			
54	9) Saiha	8.10			
55	10) Lawngtlai	1.58			
56	Upgradation of Lengpui Airport in Mizoram	2481.26	96%	1,403.58	Work in progress
57	Construction of Higher Secondary School at Kawlkulh and Kawlbem.	195.88	80%	78.33	Work in progress
58	Construction of Market Building at Vairengte	387.65	55%	43.50	Work in progress
59	Construction of Multipurpose Centre at Ramthar North, Aizawl.	462.37	0%	0.00	Not yet started
	<b>Total</b>	<b>23561.71</b>		<b>11,315.72</b>	

*This was based on the Quarterly Progress Report (QPR) of Quarter ending March 2016.*



**Formation Cutting of Mimbung - R. Tuivai Road NLCPR**

## **5. Inter State Road Connectivity (ISC) :**

**Scope of the work for CRF and EI&ISC :** The works that can be considered under Central Road Fund (CRF) scheme and Economic Importance & Inter State Connectivity (EI&ISC) scheme as per notification of Ministry of Road Transport and Highways (MORTH), Govt. of India are –

- i) Construction of missing bridges, cross drainage works, rehabilitation of bridges, widening of two-lanes, strengthening of weak pavement sections.
- ii) Engineering aspects of road safety works covering improvement of traffic junction, road marking, signaling, construction of subways and over bridges, construction of parking lay-byes, bus sheds and the like.
- iii) Construction of bypasses, parallel service roads along national highways or State highways, in built-up areas in exceptional cases and
- iv) Development of connecting roads to national highways from rural roads as well as to tourist importance places.



These schemes are funded by the Ministry of Shipping, Road Transport & Highways, Govt. of India. The funding pattern is 100 percent. Under ISC schemes, the Mizoram PWD is executing the following 100% central funding project:-

Sl. No.	Name of Works	Length (in kms)	Sanction Amount	Achievement as on 31.03.2016		Remarks
				Physical	Financial	
1	2	3	4	5	6	7
1	Improvement of existing MDR from Tuipuibari – W. Kawnpui Road	18.00	2,379.06	0%	0.00	Updated Cost of the Project being prepared as per instruction of MoRTH, GOI.

*This was based on the Quarterly Progress Report (QPR) of Quarter ending March 2016.*

#### 6. Central Road Fund :

This is 100% central funding scheme. The following projects are taken up during the reported year. From 2014 – 15 onwards, only railway crossings over or under the rail track and bridges are allowed under CRF. It is suggested that construction of missing links, improvement & widening of roads and internal roads are allowed to be taken up under CRF.

*Rs in Lakhs*

Sl. No.	Name of Works	Length (in kms)	Sanction Amount	Achievement on 31.03.2016		Remarks
				Physical	Financial	
1	2	3	4	5	6	7
1	Strengthening and Improvement of Aizawl - Reiek - W. Lungdar Road	37.00	1,156.00	72%	336.00	Work in Progress
2	Strengthening and Improvement of R. Tuipui – Biate Road	23.20	880.00	100%	525.00	Work in Progress
3	Construction of Pre-stress Concrete Girder Bridge over R. Borailui at Ch : 18.470 kmp on KDZKT Road	-	579.73	0%	0.00	New Work
4	Construction of PSC Bridge (40m span) over R. Tlawng on Aizawl to Reiek W.Lungdar Road at km 14.80	-	757.56	0%	0.00	New Work
5	Construction of double lane PSC Bridge (68 m span) over R.Tuichang on Keitum - Artahkawn Road.	-	754.75	0%	0.00	New Work
6	Construction of RCC T-Beam Girder Bridge (48 m span) over R.Serlui on Bilkhawthlir - Saiphai - Natasura Road at km 13.80 under Central Road Fund (CRF)	-	900.00	0%	0.00	New Work

**Keifang Diversion (BRTF Quarry bypass) Road Phase-I under State Plan :**



Expenditure : Rs 49.00 lakhs  
 Length : 0.600 km  
 Works : Formation & Permanent



**Rigid Pavement (Cement Concrete) Phullen-Phuaibuang – PMGSY**

**Flexible Pavement at Phuaibuang Village**



**Flexible Pavement at Phuaibuang Starting Point (Phuaibuang-Khawlian) & Rigid Pavement at Khawlian Village**

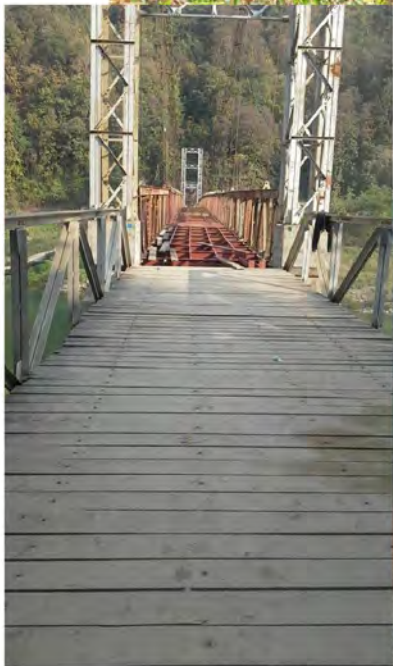


**Black Topping at Lungpho-Hmunzawl Road & Cement Concrete Pavement at Chhawrtui-Vanchengpui Road**



**Jeepable Suspension Bridge Over R.Chhimtuipui (Darzokai)**

- 1.Pu T.Kapkunga SA.
- 2.Er.C.Lalchhuana SE Lunglei Circle.
- 3.Er.K.Lalsawmvela.Chief Eng. Road
- 4.Er. Chhotu for Contractor
- 5.C.Laldintluanga SDO Hnahthial
- 6.R.Jalrindika JE Hnahthial Sub.Div.
7. Rema Work Supervisor
- 8.Er Lalchhuana EE Lunglei D



**CE, SE & EE, Lunglei are inspecting constructions and maintenance works.**



**Working at Night due to heavy traffic for Blacktopping of Aizawl City**





EE & SDO are inspecting pavement works at Aizawl City.





Ch. At 0.000 Kmp Construction of Zohmun to Palsang Road (Sh: Formation Cutting Works & Drainage Works)

Construction of Zohmun to Mauchar Road (Sh: Formation Cutting Works and Drainage Works) under PMGSY



Road repaired works within Aizawl

**MAINTENANCE OF AIZAWL CITY ROAD DURING 2015 – 2016**



**Patch Repair of Bazar Bungkawn to Armed Veng & Pothole Filling and Resurfacing of Armed Veng to BVT**



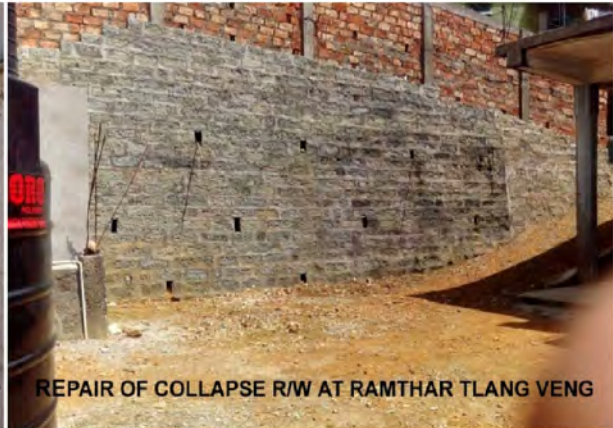
**Strengthening and Resurfacing of Amed Veng to Bethlehem Vengthlang**



**Patch Repair and Seal Coating of Electric Second Raw Road & Patch Repair and Seal Coating of Sihpui to Ramhlun Vengthar**



**REPAIR OF B/WALL NEAR UPC CHURCH SERVICE RD.: 2016**



**REPAIR OF COLLAPSE R/W AT RAMTHAR TLANG VENG**



**Patch Repair & Seal Coating of Bawngkawn to Chanmari via Ramhlun & Repair of RCC Balcony near Ramhlun Sport Complex**



**Patch Repair to Building Project to Govt. Complex road-2**



**Patch Repair to MHNH road PH-II (from Kanan Biak In to Dawrpui Vengthar) -1**



**Patch Repair to Ramrikawn to Sakawrtuichhun Road-1  
Road-2**



**Patch Repair to Vaivakawn to MZU**



**Repair of Culvert on Approach road to Central Jail at Ch: 250 Rm-2 & Repair of R/Wall near L.P School at Zohnuai, Vaivakawn (Ch:0.230 kmp)-2.**





**Patch Repair to Chanmari Central Road-2**



**Patch repair to Vaivakawn to Bazaar Bungkawn-2**

**NH Circle I To DIET Complex &  
Repair of R/wall on Chanmari  
Kawipui to Lalsangliana's  
petrol pump at Ch.0.260 kmp  
near Vanapa Run-1.**





**Approach road to Chaltlang Cemetry**



**Laipuitlang Lower Lane**



**Hume Pipe culvert with Gabion wall on Tuirial Airfield**



**Durtlang Hospital road Tri Junction & Romantic Road**



**Chanmari to Bawngkawn via Chaltlang**



**Improvement of Riding Quality of New Secretariat Complex Internal Road & Improvement of Riding Quality of MHNL Section - I & II**



**Construction of V-Shaped Side Drain from Ch:1.330 Kmp to 1.400 Kmp on Maubawkkawn to Nursery Road & Construction of V-Shaped Side Drain on Mission veng Biak In to Sikulpuikawn Road (Behind Mission Veng Biak In)**



**Construction of R/Wall on Nursery to Mission Veng road via Bethany Hospital at Ch:0.650 Kmp & Improvement of Riding Quality of Approach Road to Chief secretary's Residential Complex**



**Improvement of Riding Quality of Bungkawn Y.M.A Road. Improvement of Riding Quality of Courtyard 2nos. Of VIP Bungalow at Shivaji Tillah**



**Pavement of Pu Hipheia Road at Dinthar (New Pavement). Patch Repair of Bungkawn to CID Complex Road**



Resurfacing in Patches of Zodin to Sikulpuikawn via Khatlakawn & Resurfacing of Kulikawn - Silaimual Road



Pote Hole Repair on Melthum - Lungleng Road & Kulikawn – Silaimual via Ngaizel road Landslip Chainage 0.180 kmp (dt 23.08.2015)



Resurfacing of Sikulpuikawn to Kulikawn & Resurfacing of 3rd MAP internal Road (Bad Patches)



**Improvement of Riding Quality on Aizawl Bypass Road 0.0 Kmp to 5.00 Kmp (Resurfacing in patches) & Improvement of Riding Quality on Aizawl Bypass Road 5.00 Kmp to 7.00 Kmp (Resurfacing in patches)**



**Geometrical Improvement of Mission Veng to Mission Vengthlang road near Pi Rosiami's House & Geometrical Improvement of Mission Veng-Mission Vengthlang Road below Pu J.Lalsangzuala's House**

## Chapter 7

### ACHIEVEMENTS UNDER CHIEF ENGINEER (HIGHWAYS)

**INTRODUCTION:** Chief Engineer, PWD, Highways, Mizoram is looking after the National Highways entrusted to Mizoram, PWD. The total length of National Highways entrusted to Mizoram PWD is 1466.12 km.

Apart from the normal maintenance of National Highways under its control, the Mizoram PWD is also taking up upgradation to double laning under SARDP-NE Phase A of 29.79 km of NH-54 (Kawnpui-Buichali) which is in completion stage, 39.09 km of NH-154 (Bilkhawthlir-Bairabi) which is in progress and 103.62 km stretch of NH-44A upto Tripura border. Besides the above, construction of 91.78 km length of road on NH-502A under Kaladan Multi Modal Transit Transport project is being taken up. Similarly, there is a plan to upgrade NH-54A of Lunglei to Theiriat road, NH-54B of Zero Point to Saiha, NH-6 of Champhai-Tiau road and NH-302 of Lunglei-Demagiri road for upgradation to double lane standard road under SARDP-NE Phase-B. For these projects, the State PWD is entrusted to carry out Feasibility Study and Preparation of DPR. Feasibility Study and Preparation of DPR are in progress and expected to be completed soon.

Sanction for construction of double lane bridges over R.Tlawng and R.Tut on NH-44A have been accorded by the Government of India. The works are already awarded to contractors and are in progress.

The Maintenance and Development of the following National Highways are entrusted to Mizoram, PWD:

1. **National Highway-44 'A'(NH-44A):** The NH-44A is bifurcated out from the existing NH-54 near Sairang village at about 19.00 kms from Aizawl and runs westward connecting Manu in Tripura. The total length of the NH-44A in Mizoram is 130.00 km. The road passes through as many as 11 villages or towns.
2. **National Highway-150(NH-150):** The NH-150 takes off from NH-54 near Seling at 38.00 kms and runs northwards connecting Manipur at Tipaimukh (R.Tuivai). The length of the NH in Mizoram is 140.00 km and passes through as many as 12 villages or towns.
3. **National Highway-154 (NH-154):** The NH-154 in Mizoram takes off from NH-44 at Panchgram in Assam and connects NH-54 at Bilkhawthlir in Mizoram. The total length of the NH-154 is 147.00 km. Of which 89.00 kms is in Assam and the remaining length of 58.00 kms is within Mizoram. The road passes through as many as 6 villages or towns in the Mizoram State.
4. **National Highway-54 (NH-54):** The NH-54 in Mizoram starts from Lailapur at 40.30Kmp upto 562.00Kmp at Tuipang , Silchar being the zero point . The road passes through many villages and towns, starting from the Northern end of Mizoram and travelling all through the State in the central part of Mizoram and ends in the southern end of the State. After reduction of road from Silchar to Lailapur is 40.30 kms. The road between Lailapur to Tuipang is 522.00 kms to be undertaken by State PWD.
5. **National Highway-54 'A'(NH-54 'A'):** The NH-54 'A' takes off from Hrangchalkawn of NH-54 in Mizoram upto Lunglei in the South. The total length of the NH-54 'A' in Mizoram is 9.00 kms.



6. **National Highway-54 'B' (NH-54 'B')**: The NH-54 'B' takes off from Zero point (122.00 kmp from Lunglei Town) of NH-54 in Mizoram upto Saiha in the south. The total length of the NH-54 'B' is 27.00 kms.
7. **National Highway-302 (NH-302)**: The NH-302 is a newly declared National Highway vide Gazette notification No. S.O. 839(E) Dated the 4<sup>th</sup> March, 2014 and is entrusted to the State Government vide Gazette notification No.548(E) Dated the 17<sup>th</sup> Febuary, 2015. The National Highway starts from Lunglei and terminates at Tlabung (Kawrpuchhuah). The total length of the NH-302 is 116.00 km.
8. **National Highway-6 (NH-6)**: The NH-6 is a newly declared National Highway vide Gazette notification No. S.O. 839(E) Dated the 4<sup>th</sup> March,2014 and is entrusted to the State Government vide Gazette notification No.548(E) Dated the 17<sup>th</sup> Febuary, 2015.The National Highway takes off from Seling of NH-54 in Mizoram upto Champhai (Zokhawthar). The total length of the NH-6 is 180.00 kms. The National Highway and is soon to be handed over to National Highway PWD,Mizoram by Border Roads Organisation after necessary formalities are completed.
9. **National Highway-102B**: The NH-102B is a newly declared National Highway vide Gazette notification No. S.O. 395(E) Dated the 7<sup>th</sup> March, 2012 and is entrusted to the State Government vide Gazette notification No. 548(E) Dated the 17<sup>th</sup> Febuary,2015. The National Highway takes off from Keifang of NH-54 in Mizoram upto Manipur Border through Tuivai. The total length of the NH-102B is 100.00 kms.
10. **National Highway-306A (NH-306A)**: The NH-320A is a newly declared National Highway vide Gazette Notification No. S.O. 2232(E) Dated the 5<sup>th</sup> Sept.2014 and is entrusted to the State Government vide Gazette notification No.548 (E) Dated the 17<sup>th</sup>Febuary, 2015. The National Highway takes off from Vairengte of NH-54 in Mizoram upto New Vervek via Saiphai and Zohmun. The total length of the NH-306A is 100.00 kms.
11. **National Highway-502A (NH-502A) - Kaladan Multi Modal Transit Transport Project**: The proposed Project Road takes off from 473.20kmp of NH-54 at Lawngtlai Town, running towards Southern direction up to R.Zocha (Indo-Myanmar border). The alignment of the Project road mostly follows the hill ranges that run in the north-south direction, passes through frequently cultivated jhum lands in majority of the project corridor. It crosses Lawngtlai Diltlang Parva (LDP) Road which runs towards south-west from Lawngtlai town up to Parva village near the Lawngtlai town at Chainage 4.600 Km. It also crosses Nalkawn Chamdur Valley (NCV) road. These two roads are the important economic and agricultural link roads of the area. The project road also passes through two villages, viz., Saizawh East and Zochachhuah. The length of the road is 91.78Km.

The achievements may be categorized into 3 groups :

- |   |   |  |
|---|---|--|
| A | : | National Highway Original (NHO) Works,         |
| B | : | Projects under SARDP-NE and                    |
| C | : | Periodic Renewal (PR) Programme (under M & R). |
| D | : | Revenue earned on HN Works.                    |

Brief highlights of the achievement made during the year are given below:-

**A. National Highway Original (NHO) Works :**

*(Rs. in lakh)*

SL. No	Name of work	Sanction Amount	Achievement upto 31st March, 2016		Remarks
			Physical	Financial	
1	2	3			14
1	Geometric improvement of curves on NH-44A, Sairang to Lengpui Km 0/00 - Km 11/00 (Job No.54-MZ-2011-12-68)	488.80(O) Dt.31.3.12	98%	400.79	Work in progress
2	IRQP from Km 0/00 - Km 11/00 (Length=11 Km) double lane road on NH-44A in the state of Mizoram. (Job No.044A/MZ/2012-13-71)	893.52(O) Dt.25.9.12 934.00(R) Dt.18.7.14	100%	894.48	Physically Completed
3	Road marking, informatory and cautionary signs between Km 0/00 to Km 11/00 on NH-44A (Job No.044A-MZ-2013-14-089)	74.58(O) Dt.23.12.13	100%	63.17	Physically Completed
4	Compensation for Land Acquisition and shifting of utility services for proposed rockfall area bypass on Lengpui Airport Road via Lengte Road of NH-44A in the State of Mizoram. (Job No.044A-MZ-2014-15-095)	462.50(O) Dt.25.3.15	0%	0.00	In progress
5	Feasibility study and preparation of DPR of Rock Fall Area by-pass on Lengpui Airport road of NH-44A via Lengte (Job No.54-MZ-2013-14-091)	12.22(O) Dt.31.3.14	100%	0.00	Bill submitted but not yet passed for payment.
6	Feasibility Study and preparation of DPR In-House for re-alignment of NH-150 Km 0/00 to Km 60/00 in the State of Mizoram. (Job No.150-MZ-2008-09-050)	37.42(O) Dt.2.1.09	90%	32.32	Expenditure is excluding 9% Agency charge
7	Feasibility Study and preparation of DPR In-House for re-alignment of NH-150 Km 60/00 to Km 140/00. (Job No.150/MZ/2009-10-060)	58.20(O) Dt.11.11.09	80%	49.32	Expenditure is including Agency charge
8	Land Acquisition for 2 laning on NH-150 from km 34/50 to 62/80 (corresponding to km 28.50 to 60.00 of existing NH) in the State of Mizoram. (Job No.150-MZ-2009-10-064)	786.00(O) Dt.31.3.10	50%	391.43	Bill for Forest Clearance is submitted to R.O office vide No.G-27032/8/14/NH D-II/5 Dt. 10.6.2014
9	Construction of R/Wall & parapet at various location between Km 0/00 to Km 30/00 & Km 60/00 to Km 130 on NH-150 in the State of Mizoram. (Job No.150-MZ-2013-14-088)	515.86(O) Dt.23.12.13	13%	60.67	Expenditure is excluding 9% Agency Charge. Mobilization Advance fully recoved
10	Improvement of Sharp curves /accident prone location on stretches between Km 61/00 - Km 128/00 (27 locations) on NH-150 in the state of Mizoram. (Job No.150-MZ-2013-14-78)	104.51(O) Dt.5.12.13	100%	92.05	Expenditure is excluding 9% Agency charge

11	Construction of lined side drain within Aizawl City between Km 177/00 and Km 183/00 and Box Culvert at Km 177/00 on NH-54 during 2013-14 in the state of Mizoram. (Job No.054/MZ/2013-14-79)	213.06(O) Dt.6.12.13	65%	0.00	Work in progress
12	Improvement of portion of National Highway 54 from Sairang to Phulmawi in connection with proposed explanatory drilling operation under NELP block (MZ-ONN-2004/1) in the State of Mizoram	325.90	100%	235.00	Works completed
13	Rehabilitation of Sinking area at Saiha Town (Km 24/000 to 27/380) on NH-54B in Mizoram (Job No. TA-054B-MZ-2013-14-086)	389.00(O) Dt.23.12.13	100%	339.22	Work Completed
14	Improvement of Accident prone locations at Km 5/500, 19/600 & 21/250, Km 7/595, Km 7/600, Km 12/450, Km 20/700 on NH-54'B' in the state of Mizoram. (Job No.054-MZ-2013-14-077)	226.80(O) Dt.6.12.13	100%	0.00	Work Completed
15	Strengthening with Geometric improvement on NH-54 between km 520/00-Km 562/00 (Selected Stretches) (Job No.054-MZ-2013-14-82)	1449.00(O) Dt.19.12.13 1935.31(R) Dt.25.6.15	5%	168.84	Work in progress
16	Reconstruction of 2.00 m span slab culvert at km 175/100, km 186/500, km 239/850, km 243/350, km 273/300, km 273/800, km 276/990, km 277/200, km 277/500, km 277/800 and reconstruction of 3.00 m span slab culvert at km 249/600 and Km 288/900 between km 153/00 to km 306/00 on NH-54 in the State of Mizoram. (Job No.54-MZ-2014-15-093)	249.85(O) Dt.19.2.15	35%	0.00	Work in progress
17	Reconstruciton of Pipe Culverts using NP-4,1.20 m dia, HumePipe Culvert at km 3.75, km 5.75, km 3.975, km 7.979, km 8.2 and Re-construction of 1.5 m span Slab Culvert at km 1.225 and 2.00 m span culvert at km 5.35 of NH-54A in the State of Mizoram. (Job No.054A-MZ-2014-15-096)	110.40(O) Dt.31.3.15	90%	0.00	Work in progress
18	Reconstruciton of Pipe Culverts on NH-54 between km 389/00 to km 463/00 (Location at km 391/200, 392/320, 392/870, 393/650, 394/250, 397/870, 395/210, 403/900, 415/970, 417/160, 422/700, 425/800, 426/530, 426/780, 433/126, 437/550, 441/650, 442/350, 445/460, 447/053, 447/190, 460/230) during 2014-15 in the State of Mizoram. (Job No.54-MZ-2014-15-094)	295.60(O) Dt.19.3.15	92%	150.60	Work in progress

19	Rehabilitation of pavement on NH 154 from Km 89.00 to Km 99.50 under NH(o) for the year 2015-16 in the State of Mizoram	2835.05			LOA issued to the contractor
20	Construction of High level Prestressed concrete bridge over R. Tlawng at Km 5/220 on NH-44 'A' (Job No.044A-MZ-2008-09-052)	795.89(O) Dt.2.3.09	64%	357.90	Technical Evaluation of Tender for consultancy services for strengthening the pier foundation is being done.
21	Construction of High level Prestressed concrete bridge over R. Tut at Km 51/000 on NH-44 'A' (Job No.044A-MZ-2008-09-053)	1313.80(O) Dt.2.3.09	88%	662.18	Construction of approach road in progress.
22	IRQP of NH-302 from Km 0/00 to Km 30/00 (Lunglei to Pachang section = 30.00 Km) for the year 2015-16 in the State of Mizoram.	1652.73			Tender is being invited in anticipation of sanction
23	IRQP of NH-302 from Km 30/00 to Km 60/00 (Pachang to Sihphir section = 30.00 Km) for the year 2015-16 in the State of Mizoram.	1856.11			
24	IRQP of NH-302 from Km 60/00 to Km 94/00 (Sihphir to Tlabung section = 30.00 km) for the year 2015-16 in the State of Mizoram.	2068.00			
25	Road safety works like Signage, Culverts, etc. on NH-302 for the year 2015-16 in the State of Mizoram.	963.35			
26	Rehabilitation of Mat PSC Bridge for 98.70m span on NH-54 at Jn 377.20 for the year 2015-16 in the State of Mizoram.	33.00			
27	Restoration of decking and Bailey structure for 80.00m span Bailey Suspension Bridge over R. Phairuang and for 60.00m span Bailey Bridge over R.Tuichawng for the year 2015-16 in the State of Mizoram.	90.09			

#### B. Progress of Projects under SARDP-NE :

(Rs in Crore)

Sl/No	NH. No.	Name of Work	Sanctioned Estimate (in lakh)	Achievement upto 31st March, 2016		Remarks
				Physical	Financial	
1	2	3	4	5%	6	7
1	44A	Widening to 2 lane, re-alignment and geometric improvement from Km 11/00 to Km 114/618 of NH 44A in Mizoram under Phase A of SARDP-NE	624.41(O) 713.50(R)	35%	247.09	Work Progress in

2	54	2-Laning of NH-54 from Km 118/00 to Km 133/00 (15Km) in the state of Mizoram under SARDP-NE Phase 'A'	61.71(O) 84.53(R)	100%	81.76	completed
3	54	2-Laning of NH-54 from Km 133/00 to Km 147/789 (14.789Km) in the state of Mizoram under SARDP-NE Phase 'A'	67.57(O) 87.46(R1) 94.18(R2)	100%	85.57	Completed
4	154	Widening to 2-lane with geometric improvement of NH-154 from Km 89/00 to Km 105/00 in Mizoram	68.35(O) 75.11(R)	47%	41.74	Work Progress in
5	154	Widening to 2-lane with Geometric Improvement of NH-154 from Km 119/00 to Km 147/00 in Mizoram	86.549(O) 97.241(R)	100%	94.98	Physically completed on 30.12.2015 with liabilities
6	502A	Construction of a new 2-lane Highway from km 0.00 (on NH-54 near Lawngtlai) to km 38.00 (Length=37.04 Km) in Mizoram to support Kaladan Multi Modal Transit Transport Project in Phase-'A' of SARDP-NE Package-I	195.04(O) 253.12(R)	62%	167.45	Work Progress in
7	502A	Construction of a new 2-lane highway from km 38/00 to 71/00 in Mizoram to support Kaladan Multi Modal Transit Transport Project in Phase 'A' of SARDP-NE (Package MM-II)	186.96(O) 207.05(R)	74%	142.86	Milesstone 3 (70 %) by June 2015 Ogl TDC = Sept/2014, Rev. TDC = 30.16.2016
8	502A	Construction of new 2 Lane Highway from kmp 71/00m – 99/83 Kmp in Mizoram to support Kaladan Multi Modal Transit Transport Project in phase 'A' of SARDP – NE Package III	193.69(O) 217.03(R)	60%	139.50	Milesstone 3 (70 %) by June 2015 Ogl TDC = Sept/2014, Rev. TDC = 30.16.2017

### C. STATUS OF PERIODIC RENEWAL (PR) PROGRAMME (under M&R head):

(Rs. in lakh)

Sl. No	Name of work	Sanction Amount	Achievement upto 31st March, 2016		Remarks
			Phy	Fin	
1	2	3	4	5	6
1	PR from km 365/00 to km 405/00 (new chainage) of NH-54 (Lunglei to Tuipang sector) in the State of Mizoram Job No.TA-054-MZ-2014-15/82	1209.07(O) Dt.31.3.2015	0%	0.00	Mobilization and fill of potholes are in progress.
2	PR from km 294/00 to km 365/00 (new chainage) of NH-54 (Lunglei to Tuipang sector) in the State of Mizoram Job No.TA-054-MZ-2014-15/83	2260.29(O) Dt.31.3.2015	0%	0.00	Mobilization and fill of potholes are in progress.
3	PR of NH-54 between Km 70/00 - Km 95/00 in the state of Mizoram. Job No.TA-054-MZ-2013-14/80	1277.39(O) Dt.18.9.13	90%	1026.08	Work in progress

4	IRQP on NH-54 between Km 95/00 - Km 118/00 in the state of Mizoram. Job No TA-054-MZ-2013-14-74	2610.78(O) Dt.26.9.13	55%	1088.90	Work in progress
5	IRQP from Km 405/00 to Km 475/00 (Total = 70.00 Km) for the year 2013-2014 on NH-54 in the State of Mizoram. Job No. TA-054-MZ-2014-15-81	3402.21(O) Dt.31.3.14	33%	1074.07	Work in progress
6	IRQP of NH-54A between Km 0/00 to Km 8/500 in Mizoram. Job No.TA-054A-MZ-2013-14-090	493.04(O) Dt.31.3.14	88%	395.25	Work in progress
7	IRQP from Km 475/00 to Km 520/00 on NH-54 (Lunglei - Tuipang Sector) in Mizoram. Job No. TA-054-MZ-2014-15-81	1481.56(O) Dt.31.3.2015	1%	0.00	Work awarded recently.
8	PR from Km 0/00 to Km 35/00 (Length = 35.00 Km) on NH-6 (Seling to Keifang) during 2015-16 in the State of Mizoram. Job No. TA-6-MZ-2015-16/87	1665.67	0%	0.00	Tender is being invited
9	IRQP from Km 80/00 to Km 110/00 (Length = 30.00 Km) on NH-6 (Kawlkulh to Khawzawl) during 2015-16 in the State of Mizoram. Job No. TA-6-MZ-2015-16/88	1595.71	0%	0.00	Tender is being invited
10	PR from Km 0/00 to Km 42/80 (Length = 42.80 Km) on NH-150 during 2015-16 in the State of Mizoram. Job No. TA-150-MZ-2015-16/86	1371.15	0%	0.00	Tender is being invited in anticipation
11	PR from Km 184/00 to Km 204/00 (Length = 20.00 Km) on NH-54 during 2015-16 in the State of Mizoram. Job No. TA-54-MZ-2015-16/85	1966.39	0%	0.00	Tender is being invited
12	PR form km 60/00 to km 100/00 (Length 40.00 km) on NH-150 during 2015-16 in the State of Mizoram Job No.TA-150-MZ-2015-16/89	1447.00	0%	0.00	Tender is being invited in anticipation

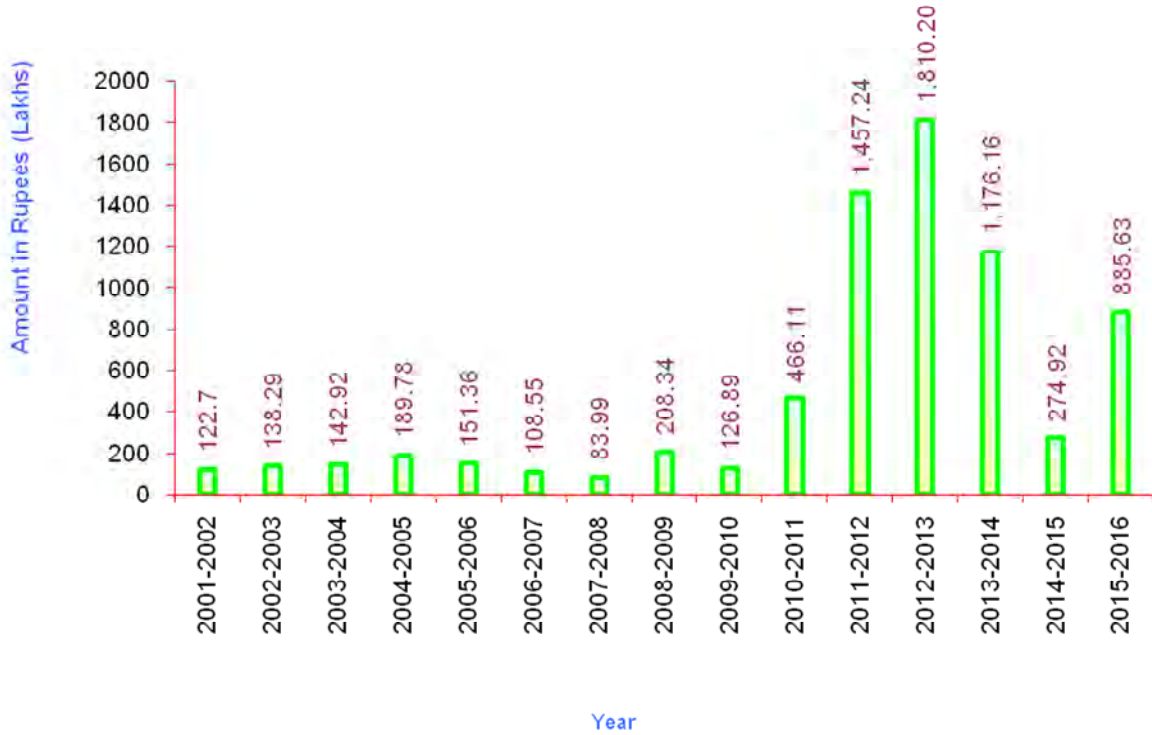
#### D. REVENUE EARNED BY MIZORAM PWD UNDER NH WORKS FROM AGENCY CHARGES :

The Total Revenue earned on 9% Agency Chargees during the year 2015-16 received from HN Works was Rs 885.63 lakhs only. The amounts received right from 2001 – 2016 are shown below in Table and Chart.

Sl. No.	Year	Amount in Rupees (in Lakhs)
1	2001-2002	122.7
2	2002-2003	138.29
3	2003-2004	142.92
4	2004-2005	189.78
5	2005-2006	151.36
6	2006-2007	108.55
7	2007-2008	83.99
8	2008-2009	208.34
9	2009-2010	126.89
10	2010-2011	466.11

11	2011-2012	1,457.24
12	2012-2013	1,810.20
13	2013-2014	1,176.16
14	2014-2015	274.92
15	2015-2016	885.63
	<b>Total</b>	<b>7343.08</b>

### Revenue earned by Mizoram PWD on NH Works





**IRQP of Zero to Tuipang**





**IRQP on NH 54 at Lawngtlai Town**



**EE, NH Division-III inspecting the Site**

**Sinking Area at Hunthar Veng on NH 54**



## Collapsed of Bridge at Tlawng River



**E-in-C is Inspecting Erection of Tlawng Bridge at Sihhmui.**



**2-laning of NH-54 from km 118/00 to km 133/00 under SARDP-NE : Phase 'A' Package 1/54 (Kawnpui to New Khamrang)**

2-laning of NH-54 from km 133/00 to km 147/789 under SARDP-NE : Phase 'A' Package 2/54 (New Khamrang to Buichali)

Some pictures of Multi Modal Roads at Southern Mizoram



### Construction of KMMTTP Road package III at different places



Construction of RCC Box Culvert attached with wing wall on KMMTTP Road package III at chainage 75+250kmp(old), 64+300kmp(new)



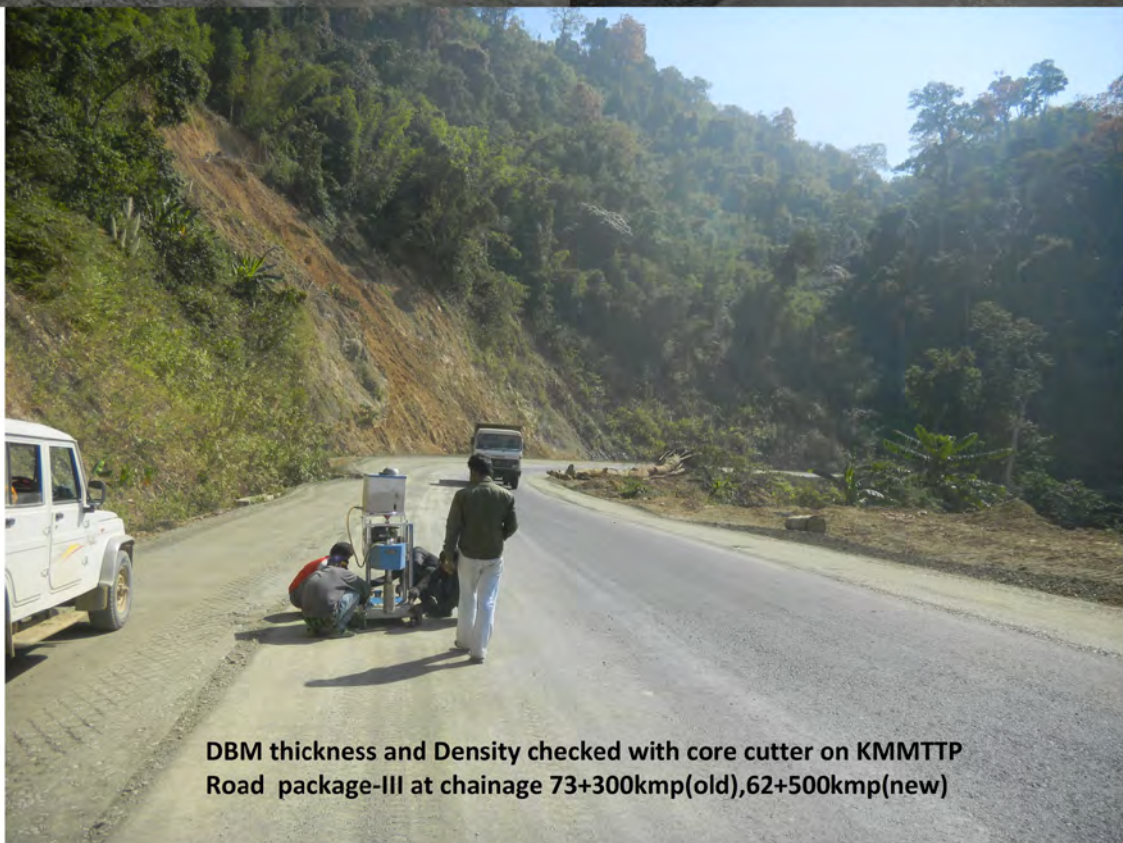
Formation cutting and sub grade preparation of KMMTTP Road package-III at chainage 79+000kmp(old),67+600kmp (new)



Construction of RRM Toe wall on KMMTTP Road package - III at chainage 88+800kmp(old), 77+250kmp(new)



Laying of DBM on KMMTTP Road package -III at chainage 73+800kmp(old), 63+000kmp



DBM thickness and Density checked with core cutter on KMMTTP Road package-III at chainage 73+300kmp(old),62+500kmp(new)

Construction of KMMTTP Road package II, III & Foundation of bridge over R. Khawrawp





**Senior Officers, having Inspection of PMGSY road at Kawrthindeng in Lawngtlai District.**

(L-R, Er. Lalringheta, EE, MMPD-I, Er. Lalthangkhuma Ralte EE, Mech. Divn, Er. C. Lalthumhima EE, MMPD-II, Er. R. Vanlaltluanga E-in-C, Shri. Lallianhmuaka Dy. Director (Admn.), Er. Malsawmdawngliana SE, MMPC)



**E-in-C assisted by SE, MMPC, having closely Inspection of Road & Side Drain at Multi Modal Road**



**Indo-Myanmar border at Multi Modal Road**



**Contractors of Multi Modal Road & Officials having inspection of on-going works**



**On-going works at NH 44A**



## On-going works of Blacktopping at NH 44A



## Chapter 8

### ACHIEVEMENTS UNDER CHIEF ENGINEER (BUILDINGS)

#### 1.0 INTRODUCTION :

Public Works Department is not only concerned with the construction and maintenance of roads, but is also entrusted with the responsibilities of construction and maintenance of State Government Buildings in Mizoram. These Government Buildings are mainly Public Buildings (*Government Offices, sports infrastructures, community buildings, market buildings, education buildings etc.*) and Residential Buildings (*Staff Quarters*). The funding for construction of such buildings mainly comes from the State Plan, NEC, NLCPR and other Centrally Sponsored Schemes. However, fund for their maintenance is met from State-owned resources which are much limited.

#### 2.0 ORGANISATIONAL SET-UP :

The Chief Engineer (*Buildings*), as stated above, is responsible for the construction of new buildings and maintenance of the existing Government buildings within and outside the state of Mizoram. In addition, maintenance of roads within Aizawl City is also entrusted to the Chief Engineer (*Buildings*).

In the main office, the Chief Engineer (*Buildings*) is assisted in planning and monitoring by a Superintending Engineer (*Planning & Works*), Executive Engineer (*Planning & Works*), Executive Engineer (*Design & Research*) with supporting technical officers and staffs. In addition, there are Account staffs (*headed by Finance & Accounts Officer*) and Ministerial Staff (*headed by Deputy Director of Administration*) to assist the Chief Engineer in Financial Control and Administration.

To execute the Architectural Drawings (*prepared by Chief Architect's Office of the Engineer-in-Chief's Office*) and the Structural Drawings (*prepared by the Design Cell of the Chief Engineer (Buildings) Office*), there is a working circle, namely Project Circle, with its office at Treasury Square and headed by a Superintending Engineer, assisted by four (4) Working Divisions.

Chief Engineer (*Buildings*) also takes care of Maintenance of Government Buildings constructed by PWD within and outside the state of Mizoram and maintenance of roads within Aizawl City This task is headed by the Superintending Engineer, Building Circle assisted by three working Divisions.

The Executive Engineer, Buildings Division look after the maintenance of P.W.D. constructed buildings within Aizawl and the 2(two) road Divisions under Building Circle are entrusted with Maintenance of Roads within Aizawl city.

In connection with the tasks entrusted to the Chief Engineer (*Buildings*), there are two specialised jobs wherein specialised line of engineering is required i.e. Electrical and Mechanical Engineering for which one Working Circle, namely Mechanical Circle functions with its headquarters at Laipuitlang, Aizawl. All buildings constructed and maintained by the Project Circle and Building Circle requires Electrical Engineers for internal wiring and their maintenance for which there are two working Electrical Divisions. Under the same Circle, there is one Mechanical Division to look after the repair

and maintenance of Departmental Heavy Machineries and Equipments in Roads and Buildings works.

## **2.1 PROJECT CIRCLE :**

As mentioned above, Chief Engineer (*Buildings*) is responsible for design, construction and maintenance of all State Government-owned buildings within and outside Mizoram. The Circle, headed by a Superintending Engineer with its office at Treasury Square is assisted by four (4) Working Divisions as follows :

### **2.1.1 Project Division-I :**

This Division, with its office at Treasury Square has four (4) Sub-Divisional Offices, all stationed at Aizawl, undertakes construction work of all Government Offices and Residential Buildings within Aizawl City. It is also responsible for construction and maintenance of Mizoram Houses outside the state of Mizoram.

### **2.1.2 Project Division-II :**

This Division has its office at Laipuitlang and has three (3) Sub-Divisional Offices stationed at Aizawl, Kolasib and Mamit. It caters to the construction and maintenance of Government Offices and Residential Quarters in the western belt of Mizoram, i.e. within Kolasib and Mamit Districts. Due to topographical advantage, it is also entrusted with works in and around Thenzawl Town, which is within Serchhip District. In addition, to the above, it takes care of a few building construction works within Aizawl City, to shoulder the work load of Project Division-I.

### **2.1.3 Project Division-III :**

This Division, with its Divisional Office at Babu Tlang, has three (3) Sub-Divisional Offices stationed at Aizawl, Serchhip and Champhai. It looks after construction and maintenance works of the eastern belt of Mizoram, within the districts of Serchhip and Champhai. In addition, it is also entrusted with the maintenance of Lengpui Airport and a few buildings within Aizawl City.

### **2.1.4 Building Division, Lunglei :**

This Division, with its Divisional Office at Lunglei has three (3) Sub-Divisional Offices stationed at Lunglei, Lawngtlai and Saiha looks after the construction and maintenance of building works within the three southern districts of Mizoram viz. Lunglei, Lawngtlai and Saiha Districts.

## **2.2 BUILDING CIRCLE :**

One of the most thankless jobs of the Chief Engineer (*Buildings*) is Maintenance of Roads and Government Buildings within Aizawl City which is headed by the Superintending Engineer, Building Circle. For maintenance of Roads, the Superintending Engineer is assisted by two Working Divisions namely, Aizawl Road North Division and Aizawl Road South Division, who divides their responsibility according to topographical convenience. In addition, maintenance of Government Public Buildings and Residential Quarters including that of the Governor, Chief Minister and its Ministers are taken care by Building Circle for which there is one Working Division, namely Aizawl Building Division.

### **2.2.1 Aizawl Road North Division :**

The responsibility of maintaining roads within Aizawl City is shared by Aizawl Road North Division with its counterpart - Aizawl Road South Division. As mentioned above, their responsibility and jurisdiction is divided topographically to give maximum efficiency and output. The North-South main road running along Aizawl City i.e. from Melthum to Bawngkawn is divided at Bazar Bungkawn. On the Eastern side of Aizawl, the jurisdiction of ARND run down from Bungkawn Junction to Armed Veng and meeting NH-54 at Thuampui. On the Western side, the jurisdiction of ARND runs down from Bungkawn to Vaivakawn upto PTC junction via MZU and Sakawrtuichhun. It also looks after roads upto Sihphir Town exclusion of Aizawl-Silchar BRO Road, Sairang Village and Tuirial Airfield. Length of road under Aizawl Road North Division is 226.04 kms

### **2.2.2 Aizawl Road South Division :**

All roads located on the southern side of Aizawl City not mentioned above are being looked after by ARSD. In addition, they are entrusted with the work "*Strengthening and Improvement of Aizawl - Reiek - W. Lungdar Road*" under CRF Scheme. Length of road under Aizawl Road South Division is 198.14 kms.

### **2.2.3 Aizawl Building Division :**

This Division with its four (4) Sub-Divisional Offices looks after maintenance of Government buildings within Aizawl City. These includes all VIP Bungalows occupied by Chief Minister, Speaker, Governor and all Cabinet Ministers.

## **2.3 MECHANICAL CIRCLE :**

The Mechanical Circle with its office situated at Laipuitlang has three (3) working Divisions and their functions are as follows :-

### **2.3.1 Mechanical Division :**

This Division is responsible for the repair and maintenance of Department-owned heavy Machineries and Equipments being used, not only under Chief Engineer (*Buildings*), but also under Chief Engineer (*Highways*) and Chief Engineer (*Roads*) such as Hot Mix Plant, Excavators, Paver Finisher, Road Rollers, Concrete Mixers, etc.

### **2.3.2 Aizawl Electrical Division :**

This Division, along with its counterpart - Lunglei Electrical Division supports Project Circle in terms of executing Internal Electrification of buildings constructed. Their jurisdiction covers that of Project Division-I, II and III. It also looks after electrical maintenance of all Government Buildings within their jurisdiction including Aizawl City.

### **2.3.3 Lunglei Electrical Division :**

This Division, with its headquarters stationed at Lunglei, executes all Internal Electrification of buildings constructed by Lunglei Building Division, i.e. within the three southern districts of Lunglei, Lawngtlai and Saiha. They also look after electrical maintenance of all Government Buildings within their jurisdiction.

## 2.0 ACHIEVEMENT OF CHIEF ENGINEER (BUILDINGS) :

As mentioned earlier, the achievement of Chief Engineer (*Buildings*) is a collective effort of Project Circle, Building Circle and Mechanical Circle who complements each other in the final product of the work - be it road work, building construction/ maintenance or maintenance of machineries.

*Rs. in lakhs*

Sl. No.	Name of Work	Estimated Amount	Expenditure during the year	Cum. Expdr.	Status as on 31st March 2016	Name of concerned Division
1	2	3	4	5	6	7

### 1 LAW & JUDICIAL DEPARTMENT :

1	Construction of Alternate Dispute Resolution Centre at New Secretariat Complex, Aizawl (Upto completion of Basement-II & III frame structure only)	99.86	59.85	99.09	100%	PD-I
2	Construction of Chief Justice Quarters Type-VIII at Aizawl	223.84	14.16	14.16	25%	PD-I
3	Construction of Judges Quarters Type-VIII Block-II at Aizawl	248.18	61.46	61.46	20%	PD-I
4	Construction of District Court Building at New Secretariat Complex, Aizawl	2429.05	182.82	182.82	2%	PD-I
5	Construction of Judicial Officer's Quarters at Kolasib	502.73	228.60	285.40		PD-II
	i) Construction of Chief Judicial Officers Qtr.at Kolasib				100%	PD-II
	ii) Construction of Senior Civil Judge (Grade-II) Qtrs.at Kolasib				100%	PD-II
	iii) Construction of Judicial Staff Qtrs.Type-III (4units) at Kolasib				100%	PD-II
	iv) Construction of Judicial Staff Qtrs. Type-II (4 units) at Kolasib				92%	PD-II
	iv) Construction of Judicial Officers Qtrs. Grade-III (2 units) at Kolasib				Tender drawing being prepared by Architect Cell	PD-II
	vi) Construction of Judicial Staff Qtrs. Type-I (4 units) at Kolasib				T/S being accorded	PD-II
vii) Construction of Internal Road (Pavement work, side drain & Retaining Wall)	25%	PD-II				

	viii) Construction of Bounder (Brabed wire) Fencing, Steel Gate and Sentry				Estimate being recat as per request by Client Deptt	PD-II
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## 2 SCIENCE & TECHNOLOGY DEPTT. :

1	Construction of Directorate Building for Science & Technology Building at New Secretariat Complex, Aizawl	624.60	425.67	504.13	97%	PD-I
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## 3 GENERAL ADMINISTRATION DEPARTMENT :

1	Construction of Additional Civil Secretariat Building at New Secretariat Complex, Khatla	2000.00	348.52	1116.22	60%	PD-I
2	Construction of 2nos. DC Staff Quarters (Type-IV) at Mamit	132.58	-	-	-	PD-II
3	Construction of SDO (Civil) Staff Qtrs at Thenzawl	65.00	32.47	40.00	60%	PD-II
4	Construction of Auditorium Building at Thenzawl	499.99	-	-	T/S accorded, NIT in progress	PD-II
5	Upgradation of Lengpui Airport, Mizoram					PD-III
	a) Equipment Room	12.64	-	-	60%	PD-III
	b) Staff Qtrs (Type-II, 1 Unit)	11.22	-	-	95%	PD-III

## 4 TRADE & COMMERCE DEPARTMENT :

1	Construction of Mission Veng Bazar Complex at Mission Veng, Aizawl	598.41	54.51	54.51	9%	PD-I
2	Construction of Market Building at Vairengte	139.55	-	-	29%	PD-II

## 5 HIGHER & TECHNICAL EDUCATION DEPARTMENT :

1	Construction of Aizawl West College at Dawrpui Vengthar, Aizawl	135.61	21.07	74.71	65%	PD-I
2	Construction of Mizoram Law College at Luangmual, Aizawl	289.58	92.74	283.89	100%	PD-I
3	Construction of Academic Building for Under Graduate Commerce Stream, Govt. Aizawl College, Mualpui Salem Veng, Aizawl	300.00	112.92	242.44	85%	PD-I
4	Construction of DIET Hostel Building at Chatlang	198.49	26.27	26.27	52%	PD-I
5	Construction of MICE School Building at Aizawl	46.00	25.02	27.55	90%	PD-II
6	Construction of Polytechnic at Mamit	800.00	62.77	785.03		PD-II

	a) Administrative Building				99%	PD-II
	b) Hostel Building				100%	PD-II
	c) Type-IV Qtr. (1 unit)				100%	PD-II
	d) Type-III qtr. (3 units)				100%	PD-II
	e) Type-II Qtr. (2 units)				100%	PD-II
	f) Site Development				100%	PD-II
7	Construction of Boys Hostel for Govt. Zirtiri Residential Science College at Durtlang Leitan	85.16	0.00	69.81	98%	PD-II
8	Construction of Girls' Hostel for Govt. Zirtiri Residential Science College at Durtlang Leitan	85.16	0.00	80.82	100%	PD-II
9	Construction of Library Building for Govt. Zirtiri Residential Science College at Durtlang	144.44	100.15	100.15	95%	PD-II
10	Construction of Main Building Block-I for Govt. Zirtiri Residential Science College at Durtlang	650.00	0.00	0.00	Work order issued on 3.3.2016	PD-II
11	Construction of DIET Institution Building at Mamit	107.47	0.00	0.00	A/A obtained	PD-II
12	Infrastructure Development of 10 (ten) Colleges within Mizoram					PD-II
	a) T. Romana College	138.28	47.54	73.61	100%	PD-II
	b) Johnson College	238.33	62.68	62.78	70%	PD-II
	c) Kolasib College (Main Building)	131.82	0.00	29.83	99%	PD-II
	d) Kolasib College (Hostel Bldg)	60.59	0.00	18.38	100%	PD-II
13	Construction of DIET Hostel Building at Kolasib	223.46	38.29	38.29	33%	PD-II
14	Construction of DIET Institution Building at Mamit	233.70	67.97	71.07	30%	PD-II
15	Construction of Multi Complex Building cum Auditorium at Pachhunga University College, Aizawl	285.26	114.10	175.78	92%	PD-III
16	Infrastructure Development of Govt. J.Thankima College	85.77	42.03	53.63	66%	PD-III
17	Construction of Higher Secondary School , Kawlbem	97.94	43.08	43.08	75%	PD-III
18	Construction of Higher Secondary School , Kawlkulh	97.94	25.44	35.20	85%	PD-III
19	Construction of DIET Institution Building at Serchhip	233.53	138.05	138.05	50%	PD-III
20	Construction of J.B College at Lunglei	140.00	51.38	105.01	100%	LLi
21	Construction of Polytechnic at Lawngtlai	800.00	391.52	408.48		LLi



	a) Administrative Building cum Academic Block				46%	LLi
	b) Hostel Block				97%	LLi
	c) Type-II Qtr. (1 unit)				100%	LLi
	d) Type-III Qtr. (1 units)				100%	LLi
	e) Type-IV Qtr. (1 units)				100%	LLi
	f) Approach Road (Formation Cutting)				100%	LLi
	Construction of Polytechnic at Saiha					LLi
	a) Administrative Building cum Academic Block				0%	LLi
	b) Hostel Block				0%	LLi
22	c) Type-I & II Qtrs.	800.00	600.00	600.00	0%	LLi
	d) Type-III Qtr.				0%	LLi
	e) Type-IV Qtr.				0%	LLi
	f) Approach Road (Formation Cutting)				0%	LLi
23	Construction of Govt. Hnahthial College, Hnahthial	155.35	51.45	105.08	100%	LLi

#### 6 URBAN DEVELOPMENT & POVERTY ALLEVIATION DEPARTMENT :

1	Construction of Multi Level Car parking and Community Centre, Aizawl	1298.26	101.83	101.83	8%	PD-I
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#### 7 HOME DEPARTMENT :

1	Construction of Police Building at Kawrthah	66.00	66.00	66.00	100%	PD-II
2	Construction of Police Quarters Type-III at Sakawrtuichhun	115.00	115.00	115.00	100%	PD-II
3	Construction of Police Quarters Type-II at Sakawrtuichhun	87.12	86.95	86.95	100%	PD-II
4	Construction of Police Station Building at Vairengte	173.07	0.06	0.06	Work order issued on 3.3.2016	PD-II
5	Construction of Police Quarters Type-II (4 units) at Vairengte	87.12	8.75	8.75	27%	PD-II
6	Construction of Commandant, 1st. IR Bn. Building (Phase-I) at Mualvum	500.00	-	-	29%	PD-II
7	Construction of Recreation/Conference Hall at PTS, Thenzawl	85.00	-	-	15%	PD-II
8	Construction of 60-Men Barrack, (2-storeyed) with Kitchen-cum-Dining Hall at PTS, Thenzawl	120.00	6.32	6.32	40%	PD-II

9	Construction of Fire Station-cum-Quarters, Water Reservoir and Fencing at Kolasib	204.18	38.53	37.53	26%	PD-II
10	Construction of Fire Station-cum-Quarters, Water Reservoir and Fencing at Mamit	180.00	48.14	48.14	30%	PD-II
11	Construction of Fire Station Building at Serchhip					PD-III
	a) Main Building	179.68	160.53	160.53	40%	PD-III
	b) Type-III Qtrs	50.87			95%	PD-III
c) Type-IV Qtrs	47.99	95%			PD-III	
12	Construction of Police Station Building at Sangau	73.20	4.50	72.34	100%	Lli
13	Construction of Police Station Building at Borapansury	73.20	25.88	69.55	100%	Lli
14	Construction of Police Station Building at Tlabung	131.04	128.22	128.22	100%	Lli

#### 8 FOOD, CIVIL SUPPLIES & CONSUMER AFFAIRS DEPARTMENT :

1	Construction of Storage Godown at :					PD-II
	i) Kawrthah	52.26	11.83	47.83	100%	PD-II
	ii) Rawpuichhip	52.26	12.75	45.22	100%	PD-II
	iii) Lungdai	52.26	29.10	46.60	100%	PD-II
2	Construction of FCS & CA Deptt. Quarters at Mamit	34.11	13.09	13.09	90	PD-II

#### 9 FISHERIES DEPARTMENT :

1	Construction of DFDO's Office Godown at Kolasib	127.15	83.85	123.27	100%	PD-II
2	Construction of Directorate of Fisheries building at New Secretariat Complex, Aizawl	499.89	159.66	430.96	100%	PD-III

#### 10 HEALTH DEPARTMENT :

1	Construction of 200-bedded Hostel for Mizoram College of Nursing at Falkawn. Block-I & II	1169.80	749.13	760.38	90%	PD-II
2	Construction of PHC Building at Sairang	94.50	-	-	Tender drawing awaited	PD-II
3	Construction of PHC Building at W. Phaileng	121.30	-	-	T/S awaited	PD-II
4	Construction of PHC Building at Kangmun	121.30	-	-	T/S accorded	PD-II
5	Construction of Directorate of Health & Medical Education office building at New Secretariat Complex, Aizawl	825.01	342.99	527.53	85%	PD-III
6	Construction of 50-bedded CHC Hospital at Lawngtlai	220.00	72.36	220.00	100%	Lli

**11 FINANCE DEPARTMENT :**

1	Construction of Treasury Office at Mamit	110.80	80.11	80.30	90%	PD-II
2	Construction of Treasury Office at Kolasib	99.00	50.00	50.19	80%	PD-II

**12 POWER & ELECTRICITY DEPARTMENT :**

1	Construction of E-in-C office Building of P&E Dept. at New Secretariat Complex at Khatla under SPA	928.10	144.16	935.59	100%	PD-II
2	Construction of P&E Dept. Staff Qtrs at Luangmual, Aizawl	34.11	29.64	29.64	100%	PD-II

**13 PUBLIC WORKS DEPARTMENT :**

1	Construction of Additional Floor for Functional Staff Quarters for E-in-C Office including Parking at Tuikhuahtlang	188.30	176.89	176.89	100%	PD-II
2	Construction of PWD National Highway Circle-II & National Highway Division-III office building at New Serchhip	286.71	33.91	287.00	100%	PD-III
3	Construction of PWD Staff Quarters(Type-I, II & III) 1 Unit each 1 Block at Saiha	89.78	19.49	89.28	100%	LLi
4	Construction of Staff Quarters(Type-II) 2 Units at Lawngtlai	84.24	54.81	75.81	100%	LLi
5	Construction of Staff Quarters at Hnahthial	92.21	66.83	91.05	100%	LLi
6	Construction of SDO, PWD Office at Lawngtlai	93.00	61.88	92.03	100%	LLi
7	Construction of SDO (NH) Office at Hnahthial	107.00	70.56	105.99	100%	LLi
8	Construction of EE(PHED) Type-IV Qtr at Saiha	36.44	16.49	36.00	100%	LLi

**14 TAXATION DEPARTMENT :**

1	Construction of Superintendent of Taxes Office building with attached Quarters & Rest House at Kolasib	280.75	114.67	114.67	85%	PD-II
2	Construction of Directorate of Taxation Department building at New Secretariat Complex, Aizawl	436.53	119.45	371.71	87%	PD-III

**15 PUBLIC HEALTH ENGINEERING DEPARTMENT :**

1	Construction of State Referral Institute (State Public Health Lab) at Zuangtui	42.26	42.00	42.00	100%	PD-II
2	Construction of PHED Quarters Type-IV at Mamit	77.70	10.89	10.89	25%	PD-II

**16 ART & CULTURE DEPARTMENT :**

1	Construction of Convention Centre at Berawtlang, Aizawl	467.71	100.02	467.54	100%	PD-I
2	Construction of Innovation Hub with 8mm Dia Astronomy & Space Explosion Theatre for Sub Regional Science Centre at Aizawl	273.29	80.41	80.41	40%	PD-I
3	Construction of Guest Accomodation Building at Berawtlang, Aizawl	469.51	-	-	99%	PD-I
4	Construction of Cultural Centre Cum Auditorium at Vaivakawn, Aizawl (NEC)	619.10	75.64	129.42	40%	PD-I

**17 TRANSPORT DEPARTMENT :**

1	Reconstruction of Transport Directorate Department Building, Aizawl	393.30	90.78	434.36	100%	PD-I
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**18 MINOR IRRIGATION DEPARTMENT :**

1	Construction of Office Building for Minor Irrigation at New Secretariat Complex, Aizawl	754.22	100.68	517.78	75%	PD-I
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**19 LAND REVENUE & SETTLEMENT DEPARTMENT :**

1	Construction of Land Revenue & Settlement Deptt Office Building at New Secretariat Complex, Aizawl	237.53	41.18	272.33	99%	PD-I
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**20 AGRICULTURE DEPARTMENT :**

1	Construction of DAO office building at Serchhip	125.00	75.89	75.89	72%	PD-III
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**21 SPORTS & YOUTH SERVICES DEPARTMENT :**

1	Construction of Rajiv Gandhi Stadium (Phase-II) (Sh: RCC lower gallery balance PEB structure) at Mualpui, Aizawl	739.12	1.84	24.02	100%	PD-I
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**22 SOCIAL WELFARE DEPARTMENT :**

1	Construction of Eklavia Model Residential School at Serchhip					
	a) Administrative Building	117.23	156.06	1174.60	100%	PD-III
	b) School Building	145.57			100%	PD-III
	c) Boys Hostel Block- A	179.76			100%	PD-III
	d) Girls Hostel Block- A	182.00			100%	PD-III
e) Type-I Qtr. (4 units)	51.88	100%			PD-III	

	f) Type-II Qtr. (4 units in Block-A)	64.50			100%	PD-III
	g) Type-II Qtr. (4 units in Block-B)	64.50			100%	PD-III
	h) Type-III Qtrs	29.09			100%	PD-III
	i) Internal Road (F/C & Blacktopping)	69.66			100%	PD-III
	j) External Electrification	54.14			100%	PD-III
	k) Furnishing of School Bldg office & 2Nos. Hostel etc.	73.00			100%	PD-III

### 23 WORK UNDER CENTRAL ROAD FUNDS (CRF):

1	Strengthening and Improvement of Aizawl - Reiek- W.Lungdar Road (0/00-37/00 kms)	1155.83	106	336	65%	ARSD
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### 24 RAJ BHAWAN :

1	Construction of Raj Bhawan Main Building, Aizawl	2524.49	906.18	1561.97	50%	PD-I
2	Re-Construction of Staff Quarters at Raj Bhawan Complex, Aizawl	1458.00	239.13	638.37	60%	PD-I

### 25 MPSC BUILDINGS :

1	Construction of Examination Hall for MPSC at New Secretariat Complex, Aizawl	102.31	86.54	275.17	100%	PD-I
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#### **Abbreviation :**

PD-I : Project Division No.I

PD-II : Project Division No.II

PD-III : Project Division No.III

Lli : Lunglei Building Division

ARSD : Aizawl Road South Division

### III. ACHIEVEMENT OF MECHANICAL CIRCLE :

The Mechanical wing of Mizoram PWD has been functioning at Laipuitlang, Aizawl headed by a Superintending Engineer (Mechanical). There are 3 (three) Divisions under the charge of the SE(Mech), viz. Aizawl Mechanical Division at Aizawl, Aizawl Electrical Division at Aizawl and Lunglei Electrical Division at Lunglei.

#### III.1 Aizawl Mechanical Division :

The Mechanical wing is responsible mainly for the repair and maintenance of the departmental Heavy Machineries and Equipments on a Hire and Non-Hire basis. There are as many as 146 Nos. of construction machineries and equipments under the department (recorded in 2016).

The Machineries and Equipments were allotted to various working Divisions within Mizoram. The machineries need frequent repairs due to wear and tear as well as old age.

### **III.2 Aizawl Electrical Division & Lunglei Electrical Divisions :**

These Divisions are responsible for maintenance and internal Electrification of all Government Buildings within and outside Mizoram and compound/complex area Electrifications, sound, Air Conditioning and other Electrical Works as well.

### **IV. QUALITY CONTROL DIVISION, ZUANGTUI :**

The *erstwhile* Stores Division has been re-named as **Quality Control Division** with effect from 1<sup>st</sup> June 2001 and its organization strengthened into 4(four) Sub-Divisions from the earlier 2(two) Sub-Divisions and its scope of functions also expanded. The Division has 3(three) Quality Control Sub-Divisions (two in Zuangtui, Aizawl and another one in Lunglei) and a Stores Sub-Division at Zuangtui, Aizawl. The Division has been functioning as an Agency for Quality Control Roads and Building works and covers the whole of Mizoram under the direct control of the Engineer-In-Chief.

The main function of the Quality Control Division is to inspect construction works and conduct the requisite tests on quality of work done. The Division is also having a laboratory for testing of the construction materials and other locally available materials in Mizoram as well as the imported materials for Buildings and Roads work.

During the year, the Division has carried out number of inspections in different parts of the State for conducting different kinds of checks. During the inspection of works, instruction has also been given at site to the field staff of PWD as well as to the contractors. For some of the works, a single inspection often does not suffice and many a times, multiple inspections are carried out even for a single project.

Quality Control Division is also functioning as the Second Tier Quality Control Agency for the PMGSY Works of Mizoram. Inspection Reports are properly documented and compiled for further necessary action. They are responsible as independent State Quality Monitor (SQM).

Besides checking of the quality of works and construction material of the works under PWD the quality of cement in the open Market are also randomly checked to ensure quality of cement available for the Public. Tests on materials are also done from contractors for various construction agencies, department and private parties. Nominal charges are levied from the customers depending on the type of test as per rates fixed by the department.

Executive Engineer, PWD, Quality Control Division is responsible for the procurement, monitoring and disbursing/issuing of materials like explosive, bitumen, etc which are required for the works of Mizoram PWD to various working Divisions in Mizoram.

The department is now stocking only controlled materials and material not readily available in the market and materials requiring strict quality control, such as explosive/blasting materials and bitumen.

**CONSTRUCTION OF RAJ BHAWAN MAIN BUILDING  
AT AIZAWL (13<sup>th</sup> FC) .**



A/A Amount	: ₹ 30,00,00,000.00
Cumulative Expenditure	: ₹ 15,61,97,282.00
Expenditure during the year	: ₹ 9,06,17,870.00
Status as on March, 2016	: 50%



## Interior of Raj Bhavan





## Construction of Rajiv Gandhi Stadium Ph-II

(SH: RCC Lower Gallery Balance PEB Structures at Western Stand, Rooms below Western PEB Structure)  
at Mualpui, Aizawl



Estimated Amount : ₹ 7,39,11,582.00  
Cumulative Expenditure : ₹ 24,01,61,917.00  
Expenditure during the year : ₹ 1,84,305.00  
Status as on March, 2016 : ₹ 100%



**Name of Work : Construction of Directorate Building for Science & Technology Building  
at New Secretariat Complex, Aizawl**

**Front View & Back View**



<b>Estimated Amount:</b>	<b>Rs. 624.60 lakh</b>
<b>Cumulative Expenditure:</b>	<b>Rs. 50,412,671.00</b>
<b>Expenditure during the year:</b>	<b>Rs. 425,67,326.00</b>
<b>Status as on March, 2016:</b>	<b>97%</b>

**Construction of Mizoram Law College at Luangmual, Aizawl**

<b>Esmimated Amount</b>	<b>: Rs. 289.58 lakh</b>
<b>Cumulative Expenditure</b>	<b>:Rs. 28389000/-</b>
<b>Expenditure During the Year</b>	<b>:Rs. 9274360/-</b>
<b>Status as on March, 2016</b>	<b>:100%</b>



**Rear View**



## Construction of Convention Centre at Berawtlang



**Esmimated Amount:Rs. 467.71 lakh**  
**Expenditure During the Year:Rs. 10001533/-**

**Cumulative Expenditure:Rs. 46754447/-**  
**Status as on March, 2016: 100%**

## Coference Hall



## Re-construction of Transport Directorate Deptt Building.

Estimated Amount:Rs. 393.30 lakh  
Expenditure During the Year: Rs. 9078497/-

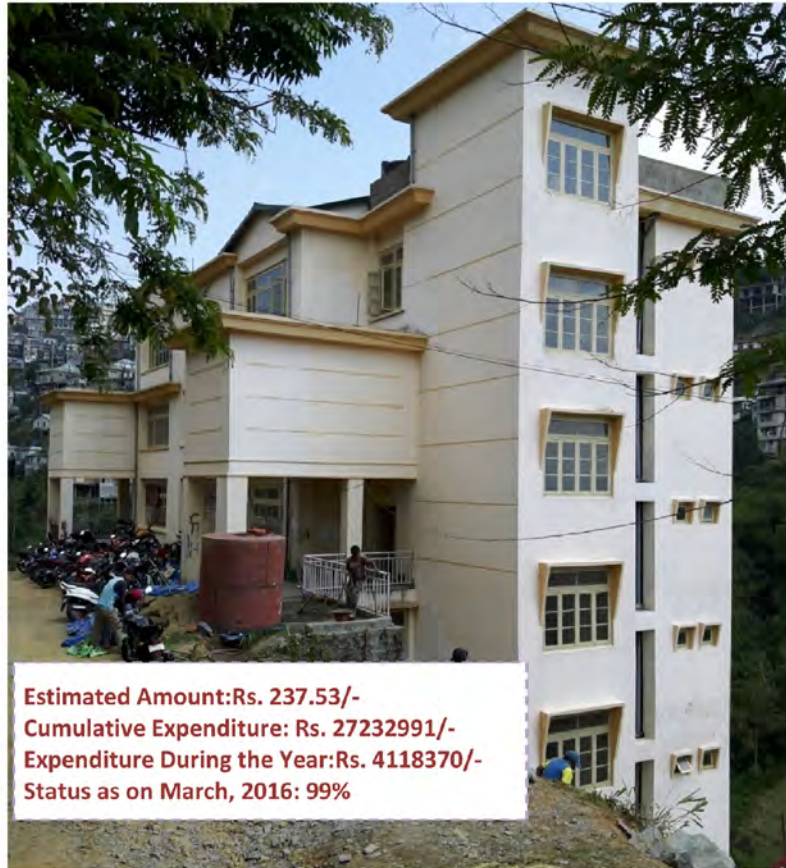
Cumulative Expenditure:Rs. 43436236/-  
Status as on March, 2016:99%



## Construction of Examination Hall for MPSC at New Secretariat Complex



**Land Revenue & Settlement Deptt. Building at NSC**



**Guest Accomodation Building at Berawtlang**

**Estimated Amount: Rs. 469.51 lakh**  
**Cumulative Expenditure:-**  
**Expenditure During the Year:-**  
**Status as on March, 2016: 99%**





**Engineer-in-Chief Office, Power & Electricity Department at New Secretariat Complex**



**FCS & CA Staff Quarters at Mamit**



**Govt. Kolasib College Main Building**



**Govt. Kolasib College Hostel Building**



**Govt. T.Romana College at Republic, Aizawl**

**Police Quarters Type-III 4 units at Sakawrtuichhun**



**Govt. Zirtiri Residential Science College Library Building at Durtlang**



**Buildings of MCON Block - I and Block – II at Falkawn**

**Polytechnic Building at Mamit**



**Treasury Office at Mamit**



**Judicial Staff Qtrs. Type-III 4 units at Kolasib & Superintendent of Taxes Office Building at Kolasib**







**Fisheries Building**



**Pachhunga University College Building**



**Name of Works : Construction of Govt. Hnahthial College at Hnahthial**



Pic : PWD National Highway Circle-II & National Highway Division-III Office at New Serchhip



Pic : PWD, National Highway Circle-II & National Highway Division-III Office Building at New Serchhip.



Name of Works : Construction of Staff Quarter & Construction of SDO Office at Lawngtlai



**(Type-III 2 Units) at Lawngtlai**



**Construction of PWD Staff Quarter at Hnahthial**



**Name of Works : Construction of SDO NH Office at Hnahthial**



**Name of Works : Construction of Police Station at Borapansury**



**Name of Works : Construction of Police Station at Tlabung**



## Chapter 9

### ACHIEVEMENTS under External Aided Projects (EAP)

The achievements under EAP may be divided into their funding sources viz. 1) Construction of Roads under World Bank Fund and 2) Construction of Road under Asian Development Bank (ADB). The details may be given below :

#### 1. MIZORAM STATE ROADS II- REGIONAL TRANSPORT CONNECTIVITY PROJECT (MSR II-RTCP)

#### 1. INTRODUCTION:

The Mizoram State Roads II Regional Transport Connectivity Project aims to provide better intra-State and Regional connectivity for the residents of landlocked Mizoram with Myanmar, Bangladesh and N.E India.

#### 2. PROJECT COST and FINANCING :

The Project's total cost is estimated at **US \$107** million which is financed through the World Bank's International Development Association (IDA) funds from the Country envelope and the Regional IDA envelope. The Loan Agreement is also signed between DEA, Min. of Finance, World Bank and Govt. of Mizoram on **Dt. 28<sup>th</sup>. Aug. 2014** and is effective from **10.10.2014**.

The State Govt. has to bear expenditures for all pre-construction activities i.e. LA, R&R, Utility lines shifting and charges for Forest Clearances.

#### 3. PROJECT ROADS(2-lane,12m.road width):

MSR II-RTCP has 2 (two) components to support the Project development objectives, namely :-

**I. Component A :** Improvement of Priority cross-border roads and trade related infrastructure, which include :-

**(i). Widening and strengthening of three sections of (Group I) roads :** The details of the project during the report period are as follows:-

Sl No	Name of Work	Name of Contractor	Agreement Amount and Dated	Time for Completion	Achievement		Remarks
					Physical	Financial	
1	2	3	4	5	6	7	8
1	Improvement and Upgradation of Champhai - Zokhawthar (27.25 Km)	Tarmat Ltd. Mumbai.	Rs137.14 cr Dt. 14.11.2014	42 months	14.07 Km	Rs 23.78 cr.	It is a regional connectivity with Myanmar. The link to the border will facilitate connectivity to Myanmar and the rest the East Asia and beyond. It will greatly improve the trade

							volume of existing trade at Zokhawthar in the border.
2	Improvement and Upgradation of Chhumkhum-Chawngte (41.53 Km)	JKM Infra Project Ltd., Noida	Rs. 245.65 cr Dt. 17.09.2014	48 months	8.175 km	Rs. 27.46 crores	It is a regional connectivity with Myanmar. The link to the border will facilitate connectivity to Myanmar and the rest the East Asia and beyond. It will greatly improve the trade volume of existing trade at Zokhawthar in the border.
3	Improvement and Upgradation of Tlabung - Kawrpuichhuah (12.00 Km)	Evaluation of bidding documents are in process	Rs. 180.17 cr	Estimated for 30 months			The project is expected to improve access to and from the landlocked Northeast India to the Bay of Bengal. The link to Bangladesh will facilitated greater bilateral trade and access to the port of Chittagong-the nearest port for the North-Eastern region of India.

In order to provide support to the Project Implementation Unit (PIU), PWD towards supervision and monitoring of all work and activities, Construction Supervision Consultant (CSC) and Project Management Consultant (PMC) are appointed.

**(ii). Detailed studies and designs for approximately 330 km of (Group 2) roads in the North – South Corridor. The Group 2 North – South alignment are :-**

**a). Project Preparation Consultancy (PPC) Services Package -I :**The details of the project during the report period are as follows:-

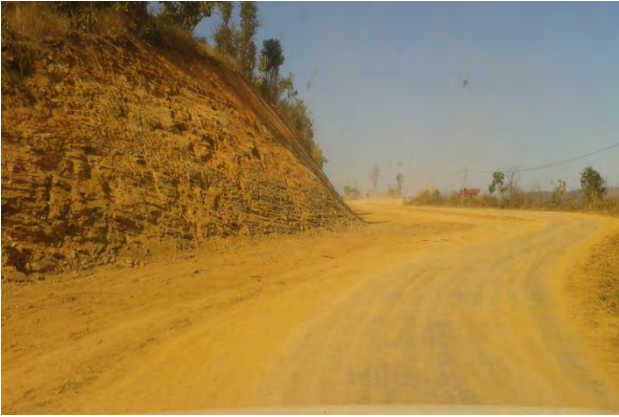
Sl. No	Name of Work	Name of Contractor	Agreement Amount and Dated	Time for Completion	Achievement		Remarks
					Physical	Financial	
1	2	3	4	5	6	7	8
1	Phase I- Junction NH 44A (originating) passing through Chungtlang – Darlung - Buarpui	LEA Associates South Asia Pvt. Ltd., New Delhi	Rs. 8.708 cr Dt. 19.08.2014	18 months from date of starting (is 19.08.2014)	Road Design being carried out	Rs.1.31 cr	
2	Phase II- Buarpui- Thenzawl- Buarpui	LEA Associates South Asia Pvt. Ltd., New Delhi	Rs. 8.708 cr Dt. 19.08.2014	18 months from date of starting (is 19.08.2014)	Road Design being carried out	Rs.1.31 cr	

**b). Project Preparation Consultancy (PPC) Services Package - II :**The details of the project during the report period are as follows:-

Sl. No	Name of Work	Name of Contractor	Agreement Amount and Dated	Time for Completion	Achievement		Remarks
					Physical	Financial	
1	2	3	4	5	6	7	8
1	Phase I - Chawngte including bridge to Bungtlang South up to Multimodal road junction	LEA Associates South Asia Pvt. Ltd., New Delhi	Rs. 8.280 cr Dt. 14.07.2014	18 months from date of starting (is 14.07.2014)	Road Design being carried out	Rs. 1.24 cr	
2	Phase II – Zawlpuai - Phairuangkai	LEA Associates South Asia Pvt. Ltd., New Delhi	Rs. 8.280 cr Dt. 14.07.2014	18 months from date of starting (is 14.07.2014)	Road Design being carried out	Rs. 1.24 cr	

**II. Component B :** Road Sector Modernization and Performance Enhancement through Institutional Strengthening. This component will support gradual transformation of PWD into a modern road agency through implementation of a Road Sector Modernization Plan (RSMP) which will carry forward and deepen various institutional developments initiatives introduced under the MSRP I.

**Champhai to Zokhawthar Road**



**Finished View of Formation @ Km 12 + 500, C-Z Road**



**Another Finished View of Formation Cutting @ Km 13+ 200, C – Z Road**



**View showing Contractor's Site Lab at Km 14+000, C – Z Road**



**Formation cutting in progress at Km0+200, C – Z Road**



**View showing completed formation @ Km 12+100 C – Z Road**



**Formation Cutting at Km 7+500, C – Z Road**





Crib wall construction for minimizing soil erosion



CTS grading in progress @ Km 1+610 to 1+700 LHS



Rolling in progress for embankment @ Ch 0+880 to 1+040



Subgrade preparation @ Ch 1.600 to 1+720 LHS



Hill Cutting in progress at @ Ch.18+400



Hill cutting in progress at @ Ch. 18+200 to 18+360



WBM Ist is in progress at Ch 1.610 to 1.700 RHS



Slab casting is in progress at @ Ch 2.760 for irrigation



Crusher Plant @Ch 5+600 LHS



CTS work is in progress @ Ch. 1.990 to 2.040 LHS

**Chhumkhum to Chawngte Road**



Rangte Medical Camp, conducted by PIU



Hill Cutting in progress at @ Ch.22+420



Hill Cutting in progress at @ Ch.11+650



Hill Cutting in progress at @ Ch.12+200



Hill Cutting in progress at @ Ch.15+500



Embankment work in Progress at Km 9+800



World Bank Visit



World Bank Visit meeting @ Rangte Camp Site



Hume Pipe Manufacturing @ 4+200



Dumping site @ Ch 17+200



Presentation to World Bank Officials at Aijal Club

## **1. ADB ASSISTED SERCHHIP-BUARPUI ROAD UNDER PIU ::**

**INTRODUCTION:** Asian Development Bank (ADB) is assisting Government of India through a programme of work called North Eastern State Roads Investment Program (NESRIP) which is a part of Ministry of Development of North Eastern Region (MDoNER) initiative to bring the North Eastern Region into the mainstream of development. Mizoram is one of such North Eastern States selected to receive ADB assistance and under which the existing road between Serchhip to Buarpui Road i.e Thenzawl is included under Tranche-2 for improvement and upgradation to an Intermediate Lane.

The project has been divided into two parts –  
Part I: Serchhip to Thenzawl (15.20 kms) and  
Part II: Thenzawl to Buarpui (39.80 kms).

In total, the project entails improvement and up-gradation of 55 km of existing road.

### **PROJECT COST AND FINANCING:**

The project total cost sanctioned by MDoNER, Gol is Rs. 167.9 Crore which is financed through MDoNER by ADB. Sanction was accorded on 23<sup>rd</sup> Sept, 2011.

The loan agreement was signed between ADB and Gol on 17<sup>th</sup> Feb, 2014 which was effective from 20<sup>th</sup> May, 2014.

Due to late signing of loan agreement between ADB and Gol, and various deficiencies in DPR prepared by SMEC International Pvt. Ltd., Gurgaon, Haryana during 2008-2009, the 5<sup>th</sup> National Level Steering Committee on North Eastern State Roads Investment Programme (NESRIP) held on 17<sup>th</sup> February 2016 decided the revised DPR be submitted for re-consideration by Cabinet Committee on Economic Affairs (CCEA). Accordingly, revised cost estimate amounting to Rs. 304.49 Crore have been submitted to MDoNER, Gol on dt 03.03.2016 for further action.

### **STATUS OF PROJECT ACTIVITIES:**

The overall physical progress is **12.04%**.  
Formation Cutting - **22.08** km.  
Cross Drainage work – 52 Nos.  
Protection Work – 110 Rm.  
The overall Expenditure is – Rs. 2893.90 lakhs.

### **BRIDGES:**

There are two Bridges with total spans 63m each on this road viz. R.Mat and R.Tlawng. The original designs of PSC Bridge for these two Bridges were found doubtful and numbers of design deficiencies are observed. Hence, fresh designs for single span (63m) composite steel structures are done and under review by the consultant.



**Site Visit with ADB Team on 23<sup>rd</sup> February, 2016**



**Ch:15+200kmp (Serchhip-WB Road Junction)**



**Ch:10+407kmp of Part-I**



**Ch:5+980kmp of Part-I**



**Cross Drainage at Ch:7+102kmp of Part-I**



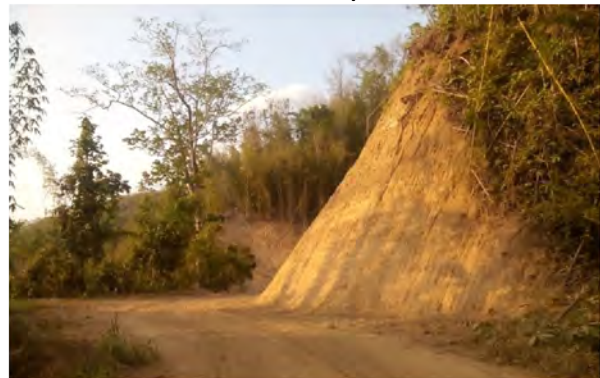
Gabion Wall at Ch: 12+500kmp of Part-I



Ch:13+850kmp of Part-I



Ch:19+900kmp of Part-II



FC at Ch: 12+900kmp of Part-II



Formation Cutting Ch:18+800kmp of Part-II



Hume Pipe factory at Contractor's Camp



Earthwork Excavation at  
Ch:17+100kmp of Part-II

## Chapter 10

### HUMAN RESOURCES MANAGEMENT

The Public Works Department is the premier works agency of the Government of Mizoram undertaking the tasks of constructing, maintaining and providing technical services as well as infrastructural facilities for the overall development of the state of Mizoram. The state has also made tremendous strides in the field of infrastructural development, thanks to the dedication and hard work of the officers and staff of the department. The department is staffed with a good mix of technical, administrative, accounting, clerical as well as manual personnel.

#### 1. MANPOWER :

Following is the list of officers and staff under the department during the year 2015-16:

Sl/No	Name of Post	Strength
1	Engineer-in-Chief	1
2	Chief Engineer	3
3	Superintending Engineer	16
4	Senior Architect	2
5	Executive Engineer	52
6	Architect	4
7	Joint Director of Accounts	1
8	Dy Director of Administration	4
9	AE/SDO	130
10	Assistant Architect	8
11	Finance Account Officer	3
12	Superintendent	4
13	HRD Manager	1
14	Stenographer - I	1
15	Accounts Officer	1
16	Land Acquisition Co-Ordinator	1
17	Research Officer	1
18	Divisional Accountant	30
19	Architectural/Draftsman - I	4
20	Draftsman - II	23
21	Draftsman - III	44
22	Junior Engineer	238
23	OS - II	1
24	Asst. Divisional Accountant	30
25	Assistant/ H.A.	29
26	Steno-II	5
27	Steno-III	4
28	Inspector of Statistics	1
29	UDC	127
30	LDC	212
31	surveyor	0
32	Mechanical grade - I	4
33	Mechanical Grade - II	5
34	Electrician - I	4



35	Eiectrician - II	6
36	Wireman	0
37	Fitter	0
38	Welder	1
39	S.A.	138
40	Driver	74
41	Carpenter	7
42	Duftry	4
43	Group D	308
44	Handyman	3
45	Driller	0
46	Jugali	22
47	Boatman	3
48	Plant Operator	0
	<b>Total</b>	<b>1560</b>

Besides this, the department has also several employees of various categories under **Work Charge establishment**. The following is the list of staff under Work Charge during the year 2015-16:

Sl No	Name of Post	Strength
1	S.A.	21
2	Driver	84
2	OS-II	19
3	DM-II	2
4	DM-III	8
5	Lab.Technician	4
6	Com.Operator	6
7	Handyman	4
8	Operator	14
9	Driller	8
10	Asstt.Cameraman	1
11	Mech.Grade-II	7
12	Electrician-I	1
13	Electrician-II	4
14	Wireman	7
15	Jugali	50
18	Upholster	3
16	Plumber	4
17	Painter	1
19	Mason	4
20	Carpenter	11
21	IV Grade	103
	<b>Total</b>	<b>366</b>

## 2. PROMOTION :-

### 2.1 OFFICERS & STAFF PROMOTED DURING 2015-2016

After a long duration of high stagnation of post in promotion, the list of the following **Seventeen (17)** Officers and Staff got promoted in the department during the year 2015-16 as indicated below :

Sl No.	Name	Promotion	Date of Promotion
1	Lalmuankima Henry	SE to CE	1.4.2015
2	Lalhmingliana Bawitlung	EE to SE	1.4.2015
3	F. Lalhmunsiana	EE to SE	20.07.2015
4	C. Eddie Zothansanga	AE/SDO to EE	1.4.2015
5	J. Lalnuntluanga	AE/SDO to EE	1.4.2015
6	A. Dutta	AE/SDO to EE	2.6.2015
7	Antony CJ	AE/SDO to EE	20.07.2015
8	Lalhmingmawia	AE/SDO to EE	23.06.2016
9	Thanzawna Tlau	AE/SDO to EE	7.10.2015
10	Lalnunzira	AE/SDO to EE	2.11.2015
11	R. Dawngsangliana	AE/SDO to EE	24.06.2016
12	Vanlalmuana Fanai	AE/SDO to EE	8.06.2016
13	H. Lalrotluanga	JE to AE/SDO	13.05.2015
14	R. Lalramliana	JE to AE/SDO	13.05.2015
15	Lawmsanga Ralte	JE to AE/SDO	3.06.2015
16	Laltimawia	JE to AE/SDO	16.09.2015
17	F. Lalengmawia	JE to AE/SDO	2.12.2015

## 3. PENSION & RETIREMENT :-

During the reporting year 2015-16, **Five (5)** officers of the department serving in various capacities have reached the age of superannuation and have gone on superannuation/ pension. Given below is a list of officers and staff of the department who had gone on superannuation/ pension.

### 3.1 PENSION & RETIREMENT-SUPERANUATION DURING 2015-2016

Sl No.	Name	Designation	Date of Pension
1	S. Bhattacharjee	EE	30.04.2015
2	R. Zatawna	EE	31.05.2015
3	R. Lalrikhuma	EE	30.09.2015
4	K. Thanpara	AE/SDO	29.02.2016

## 4. OFFICERS & STAFF WHO DIED DURING 2015-2016

Unfortunately, the following 2 officers had expired during the year 2015-16.

Sl No.	Name	Designation	Date of Expired
1	Vanlahlhuna	AE/SDO	27.02.2016
2	Ronald Lalfelkima	AE/SDO	31.01.2016

**5. The following 9 new staff are recruited on co-terminus basis for the PIU Office**

SU/No	Name	Designation	Date of Joining
1	R. Lalnunpuia	AE	20.08.2015
2	C. Lalramdina	AE	20.08.2015
3	Michael Lalawmpuia	AE	20.08.2015
4	Lalmuanpuia	AE	20.08.2015
5	H. Lalnunpuia	AE	20.08.2015
6	Krishna Kumar Sharma	Chartered Assistant	14.05.2015
7	Jacob Lalremsiama	AE	23.9.2015
8	Lalthantluanga	AE	28.09.2015
9	Lalmangaihzuala	AE	09.08.2015

**4. The following 19 new staff are recruited on co-terminus basis for the PIU Office**

SU/No	Name	Designation	Date of Joining
1	Elizabeth Lallawmpuii d/o Lalthianghlina, Bethlehem Veng	JE	7.5.2015
2	Laltlankima s/o Vanlalzawnga, Maubawk	JE	2.7.2015
3	Malsawmkimi d/o Kaithuami, Bungkawn S	JE	2.7.2016
4	David Lalrinliana s/o B. Lalchhuanawma, Chaltlang Ruam Veng	JE	22.5.2015
5	H. Lalnunfela s/o H. Lalmangaiha, Farm Veng, Lunglei	JE	2.7.2015
6	R. Lalthlamuani d/o R. Lalngura (L), Khatla Bethel	JE	24.8.2015
7	Lalduhawma Hrahse s/o Zachungnunga, Chandmari, Aizawl	UDC	7.5.2015
8	Lalawmpuii Ralte d/o R. Vanlaltluanga, Chhinga Veng	UDC	7.5.2015
9	C. Lalramnghaka s/o Lalhmingliana Chawngthu, Dawrpui Vengthar	Computer Operator	7.5.2015
10	Rosie Lalremtluangid/o Remmawia Ralte, Mission Veng	Social Development Specialist	7.5.2015
11	Lalmangaihzuali d/o Lалуaplina (L), College Veng	Asst. Divisional Accountant	7.5.2015
12	B. Malsawmdawngkima s/o B. Lalrinthanga, Chanmari West	Asst. Divisional Accountant	7.5.2015
13	Lalruatsangi Kawlni d/o Ramliana, Zonuam	Data Entry Operator	7.5.2015
14	B. Lalhmingmawia s/o B. Lalchamhluna, Ramhlun S	LDC	7.5.2015
15	Linda VL Hriatpuii Sailo d/o David Zirlina Sailo, Chaltlang Venglai	LDC	7.5.2015
16	Lalengkima s/o Sawmlina, Dinthar	Peon	8.5.2015
17	Vanlalhriata s/o Laldawngliana, Chaltlang Venglai	Peon	8.5.2015
18	H. Lallawmsangi d/o Lalengmawia, Chaltlang Lilyveng	Sweeper	8.5.2015
19	C. Lalnuntluanga s/o C. Thantluanga, Thiltlang	Chowkidar	8.5.2015

**5. The following list of Junior Grade of MES are promoted to Senior Grade on Non-Functional basis :**

**7.1**

<b>Sl.No.</b>	<b>Name of officer (Graduate under Civil Wing)</b>	<b>Effective Date of Non-Functional upgradation</b>
1	Lalhmingmawia	4.8.2015
2	Samuel Lalramdinthara	4.8.2015
3	PC Lallianzuala	4.8.2015
4	Lalthansiami Ralte	4.8.2015
5	Zirthanmawia Hmar	4.8.2015
6	T.Lalkhanhau	4.8.2015
7	C.Lalengzauva	4.8.2015
8	Lalzarzoliana	4.8.2015
9	Vanlalhluna	4.8.2015
10	Laltenthangi	4.8.2015
11	S.R.Lalramthanga	4.8.2015
12	Jenny Lalramchhuani	4.8.2015
13	Lalramzauva	1.1.2018 After currency of penalty is over
14	Kaphmingliana	4.8.2015
15	H. Lalfakzuala	24.11.2015 Date of Passing Departmental Exam
16	C.Lalthangvela	4.8.2015
17	Lalnuntluanga	4.8.2015
18	John Lalchhuanawma	24.11.2015 Date of Passing Departmental Exam
19	C.Lalchhuanawma	4.8.2015
20	Dengchungnunga	4.8.2015
21	R.Lalpeka	4.8.2015
22	Lalengkawla	24.11.2015 Date of Passing Departmental Exam
23	Malsawmdawngliani	4.8.2015
24	Vansangpuii	4.8.2015
25	R.Lalbiaksangi	4.8.2015
26	PC.David Lalrinliana	4.8.2015
27	Lalremruata	4.8.2015
28	R.Lalduhthlanga	4.8.2015
29	Lalngaisanga	4.8.2015
30	Lalramsanga	4.8.2015
31	Lalbiaknunga	4.8.2015
32	Lalchhuanawma	4.8.2015
33	Zohmingliana	4.8.2015
34	P.C.Zokhuma	4.8.2015
35	Lalduhzuala Sailo	4.8.2015
36	R. Lalrinmawia	24.11.2015 Date of Passing Departmental Exam
37	Zodingliana	24.11.2015 Date of Passing Departmental Exam
38	K.Luaiminthang	4.8.2015
39	Samuel Zothankhuma	4.8.2015
40	Jimmy Vanlalsiama Bawikhar	4.8.2015
41	Lalawmpuii	1.7.2018 After currency of the penalty is over
42	David Laltanpuia	4.8.2015
43	R. Lalchungnunga	24.11.2015 Date of Passing Departmental Exam

44	Laltlanthangi Ralte	24.11.2015 Date of Passing Departmental Exam
45	V. Lalmunmawia	24.11.2015 Date of Passing Departmental Exam
46	Joseph Remmawia	24.11.2015 Date of Passing Departmental Exam
47	H. Lalnunpuia	24.11.2015 Date of Passing Departmental Exam

## 7.2

Sl.No.	Name of officer (Graduate under Mechanical Wing)	Effective Date of Non-Functional upgradation
1	Lalnunpara	4.8.2015

## 7.3

Sl.No.	Name of officer (Non-Graduate under Civil Wing)	Effective Date of Non-Functional upgradation
1	Vanlalmuana Fanai	4.8.2015
2	R. Dawngsangliana	4.8.2015
3	F. Lalramenga	24.11.2015 Date of Passing Departmental Exam
4	J. Lalbiakmuana	4.8.2015
5	Zodingliana Chenkual	4.8.2015
6	B. Lalbiakthuama	4.8.2015
7	C. Laldintluanga	24.11.2015 Date of Passing Departmental Exam
8	Lalchungnunga	24.11.2015 Date of Passing Departmental Exam
9	P.C. Chhiarkima	4.8.2015
10	RK Lalchhuanliana	24.11.2015 Date of Passing Departmental Exam

## 6. REGULARIZATION AND UPGRADATION OF STAFF :

### Highlights of Achievements under Establishment Cell During 2015-..16

1. 25 JE's were regularized on 15.7.2015.
2. 15 M/R JE's were regularized on 29.7.2015.
3. 2 Electricians Gr-II were promoted to Electrician Gr-I on 24.2.2016.
4. 4 M/R LDCs were regularized on 3.7.2015
5. 26 W/C SAs were regularized on 9.6.2015.
6. 19 W/C Driver Grade-II upgraded to Diver Grade-I on 3.7.2015.
7. 12 W/C Driver Grade-I to Special Grade on 3.7.2015.
8. 6 M/R LDC s were regularized on 1.3.2016.
9. 30 M/R IV Grade were regularised on 2.3.2016.
10. 3 M/R Carpenters were regularised on 1.3.2016.
11. Granted Financial benefits under MACPS to employees as under:  
Group B = 41 nos  
Group C = 103 nos  
Group D = 77 nos.
12. Arjun Yadav Chowkider pension finalized on 25.1.2016.

**8.1**

<b>25 Contract JE's were regularised on 15.7.2015</b>			
<b>SU/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>New Place of Posting</b>
1	Lalengfiah Chhangte	Tlabung	Tlabung
2	Lalrammawia	NHD-II	NHD-II
3	C.Laltanpuia	NHD-III	NHD-III
4	R.Rongurliana	Lawngtlai	Lawngtlai
5	K.Malsawmkima	Police	Police
6	J.Vanlathruaia	NHD-I	NHD-I
7	C.Lalchhanhima	Tlabung	Tlabung
8	Benhyafea Lalrinhlua	NHD-IV	NHD-IV
9	Lalnunsanga	NHD-III	NHD-III
10	VL Malsawmzuali Kiangte	Building Division	Building Division
11	Lalmangaihzuala	NHD-IV	NHD-IV
12	Lalnunhlma	Saitual Division	Saitual Division
13	Saizikpuia Sailo	NHC-II	NHC-II
14	Lalmuanpuia	MMPC	MMPC
15	H.Vanlalpari	Saiha	Saiha
16	Robert V.L.Malsawma	MMPD-II	MMPD-II
17	C.Lalberema	Mamit	Mamit
18	Ramdingliani Pautu	MMPD-II	MMPD-II
19	J.C Lalmangaihchhungi	NHD-IV	NHD-IV
20	Tabithy Zoremsangi	Kolasib	Kolasib
21	VL Chhuangliana	NHD-III	NHD-III
22	Lalbiakfela Pachuau	Kawrthah	Kawrthah
23	Lalthangmawii	NHC-II	NHC-II
24	Malsawma	Kawrthah	Kawrthah
25	C.Lalengmawii	MMPD-I	MMPD-I

**8.2**

<b>15 M/R JE's were Regularised on 29.7.2015</b>			
<b>SU/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>New Place of Posting</b>
1	Lalrinkima	Aizawl Building Division	Project Division-II
2	Lallianngengi Fanai	Road South Divn.	Aizawl Building Division
3	C.Lalnunsanga	Saitual Division	MMPD-II
4	Lalthlamuana	Electrical, Aizawl	Mamit Division
5	P.C.Lalruatkima	Saitual Division	Saitual Division
6	C.Lalremruata	Mechanical Division	Mechanical Division
7	A.Lalliankima	Mechanical Division	Mechanical Division
8	Zodinsanga	Electrical, Aizawl	Electrical Divn.Aizawl
9	K.Vanlaltlanliani	Electrical, Aizawl	Electrical Divn.Aizawl
10	Seipuia Sailo	Electrical, Aizawl	Electrical Divn.Aizawl

11	Lalhriatpuii	Aizawl Rd 'S' attached to PWD Sectt.	Quality Control Divn.attached to PWD Sectt.
12	Lalfamkima	Electrical,Azl attached to CE Building	Electrical Divn.Aizawl
13	R.Vanlalvenpuia	Serchhip Division	MMPD-II
14	Ramfangzauva	Quality Control Division	Kolasib Division
15	Lalbiakdika	Saitual Division	Electrical Divn.Aizawl

### 8.3

<b>2 Electricians Grade-II were promoted to Electrician Grade-I on 24.2.2016</b>			
<b>SU/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>New Place of Posting</b>
1	R.Sangkunga	Electrical Division,Azl	Electrical Divn.Aizawl
2	Lalbiakluanga	Electrical Division,Azl	Electrical Divn.Aizawl

### 8.4

<b>4 M/R LDC's were Regularised on 3.7.2015</b>			
<b>SU/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>New Place of Posting</b>
1	K.Lalramtluangi	Road South Divn.	E-in-C's Office
2	Lalthlangliani	Saitual Division	Khawzawl Divn.
3	K.Zomuanpuii	Project Divn-I	E-in-C's Office
4	Lalnunpuii	Mechanical Division	NH Circle - II

### 8.5

<b>26 W/C SA's were Regularised on 9.6.2015</b>			
<b>SU/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>New Place of Posting</b>
1	Laldinliana	Road South Divn.	Road South Divn.
2	Lalchhuanawma Hrahsel	Kawrthah Division	Kawrthah Division
3	Vanchhungi	Saitual Division	Quality Control Divn.
4	R.Zodinsangi	Project Divn-III	Project Divn-III
5	Lalniliana	Champhai Divn.	Champhai Divn.
6	Lalmangaiha	Road North Division	Road North Division
7	K.C.Lahlmpuia	Road North Division	Road North Division
8	C.Lalchhuangliana	NH Division-II	NH Division - II
9	Lalsangpuii Sailo	Road South Divn.	Project Division-III
10	Vanlalthatpuia	Serchhip Division	Serchhip Division
11	K.Lalrintluanga	Kolasib Division	Kolasib Division
12	K.Hmingthanzauva	Project Division-I	Project Division-I
13	David Lalbiakluanga Tochhawng	Road North Division	Road North Division
14	Nepal Sharma Purkayastha	Mamit Division	Mamit Division

15	Lalsangzuala Sailo	Road North Division	Road North Division
16	C.Zonunsanga	Champhai Divn.	Champhai Divn.
17	PC Laldawngliana	Project Division-I	Project Division-I
18	Laikhuma	Project Division-I	Project Division-I
19	Lalthangmawia	Kolasib Division	Kolasib Division
20	Lalrosiami	NH Division-I	NH Division - I
21	V.Lalthankimi	Hmuifang Division	Project Division-III
22	H.Lalrinliana	Hmuifang Division	NH Division - I
23	F.Lalrammawia	Lunglei Building Division	Lunglei Building Division
24	R.Lalduhawma	Hmuifang Division	Hmuifang Division
25	Lalpawlliana	NH Division - II	NH Division - II
26	K.Malsawma	NH Division-II	NH Division - II

### 8.6

<b>19 W/C Driver Grade - II upgraded to Driver Grade - I on 3.7.2015</b>			
<b>Sl/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>Date of Upgradation to Driver Grade-I</b>
1	Biakrinawma	Kolasib Division	18.6.2013
2	Lalhmingmawia	Mechanical Division	26.3.2014
3	Thangkhuma	Mechanical Division	26.3.2014
4	Lalawmpuia	Serchhip Division	26.3.2014
5	Lalrinsiana	Road North Division	30.3.2014
6	R.Lalthlamuana	Hmuifang Division	31.3.2014
7	Lalremtluanga	Project Division-I	16.4.2014
8	Lalrinthanga	Quality Control Division	30.4.2014
9	Lalmanliana	Hmuifang Division	27.3.2014
10	Lalramnghaka	Hmuifang Division	27.3.2014
11	Lalmuanpuia	Hmuifang Division	31.3.2014
12	Laldawngliana	Mechanical Division	26.3.2014
13	Darthantlinga	Champhai Divn.	26.3.2014
14	Montu Das	Mechanical Division	26.3.2014
15	Lalmuchhuaka	Mamit Division	29.4.2014
16	Thanbuanga	Khawzawl Division	3.5.2014
17	Lalsawia	Road South Divn.	23.4.2014
18	K.Lalramliana	Mamit Division	25.5.2014
19	Laltanpuia	NH Division-I	29.4.2014



## 8.7

<b>12 Drivers Grade - I to Special Grade on 3.7.2015</b>			
<b>Sl/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>Date of Upgradation to Driver Special Grade</b>
1	Zoramthangliana	Mechanical Division	1.6.2012
2	F.Rokima	Mamit Division	1.8.2014
3	Sonaton	Tlabung Division	1.10.2014
4	Hminglianthanga	Project Division- I	10.1.2015
5	C.Duhchhunga	Road North Division	10.1.2015
6	Hmingdailova	Champhai Divn.	21.2.2015
7	Hrangkhuma	CE Road office	15.5.2015
8	J.S.Lalmawia	E-in-C Office	16.3.2015
9	Lalropara	Serchhip Division	1.5.2015
10	Hauthuama	E-in-C Office	10.5.2015
11	M.Lalvena	Road South Divn.	16.4.2015
12	R.S.Mishra	Road North Division	21.5.2015

## 8.8

<b>16 M/R Drivers were Regularised on 3.7.2015</b>			
<b>Sl/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>New Place of Posting</b>
1	Motilal Kisku	Quality Control Division	Quality Control Division
2	Lalramliana	Mechanical Division	CE Highway
3	Lalsangliana	Mechanical Division	CE Building
4	C.Lalrinpuia	Tlabung Division	Tlabung Division
5	David Zosanglura	Kawrthah Division	Kawrthah Division
6	Lalthapuia	Building Division	Project Circle
7	Lalropuia	NH Division - II	CE Building
8	Shillongthanga	Road North Division	NH Divn - I
9	H.Lalremsiama	Electrical Division,Azl	E-in-C's Office
10	Zoramchhana	Saitual Division	Saitual Division
11	Roluahpuia	Kawrthah Division	Kawrthah Division
12	C.Lalremsanga	Kawrthah Division	Mamit Division
13	R.Lalremsiama	Saitual Division	Saitual Division
14	K.Lalduhthlanga	Khawzawl Division	Khawzawl Divn.
15	Lalmunsiama	Electrical Divn.Lunglei	Lunglei Division
16	V.Lalnunmawia	NH Division - III	NH Division - II

## 8.9

<b>6 M/R LDCs were regularised on 1.3.2016</b>			
<b>SU/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>New Place of Posting</b>
1	F.Thanchhungi	PWD Secretariat	MMPC, Lawngtlai
2	PC Lalsangzuali	Project Divison - I	Project Division - II
3	RC Lalthafamkimi	CE, Buildings	NH Circle - I
4	Manju Dey	Mechanical Division	MMPD - II
5	Chawnghlunchhungi	E-in-C Office	Electrical Division,attached to E-in-C Office
6	Vanhangpuii	Suangpuilawn Sub-Divn.	MMPD-II, Lawngtlai

## 8.10

<b>30 M/R IV Grade were Regularised on 2.3.2016</b>			
<b>SU/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>New place of posting</b>
1	Israela	Azl .Bldg. Divn.	Aizawl Building Division
2	Lianzuala	Azl. Bldg. Divn.	Aizawl Building Division
3	Lalluaia	Azl. Bldg. Divn.	NH Divn. I
4	Lahmachhuana	Azl. Bldg. Divn.	E-in-C's Office
5	Zatluanga	Azl. Bldg. Divn	Aizawl Building Division
6	Ramji Dusad	Project – 1	Project Divn-I,attached to Silchar
7	C. Vanlalmuana	Saitual Divn.	Saitual Division
8	K. Chosa	Saiha	Saiha Division
9	Laldinthara	Mech (Zuangtui)	Mechanical Division
10	C. Ango	Saiha	Saiha Division
11	Lalringgheta	Azl. Bldg.	Eastern Circle
12	B. Vanlalawia	Azl. Bldg.	Aizawl Road South Divn.
13	Raldoliana	Mech. Divn.	Building Circle
14	Mahibur Rahman Lasker	Azl. Bldg.	E-in-C's Office
15	Lalthangi	Electrical Divn.	Quality Control Divn.
16	C. Lalbuatsaiha	Quality Con.	Quality Control Divn.
17	Nunulal Tudu	Saiha	Saiha Division
18	Shyam Deb	Proj. – I	Project Divn-I,attached to Silchar
19	Councilthanga	Azl. Bldg.	Road South Divn.
20	Narender Singh	Proj. – I	Project Divn-I,attached to New Delhi
21	Biakchhungi	Electrical Division,Azl	Electrical Divn,Aizawl
22	Lalthazuala	Azl. Bldg.	E-in-C's Office
23	Krosthanga	Azl. Bldg.	C.E Roads.

24	Vansanga	Proj. – III	Eastern Circle
25	Khawlliansanga	CE, Building	C.E Buildings
26	Lalhmingmawia	Azl. Road South	E-in-C's Office
27	Lalrinliana	Azl. Road South	E-in-C's Office
28	Rozama	Electrical	Kolasib Division
29	J. Lalthansangi	Tlabung	Tlabung Division
30	Burai Tudu	Azl.Bldg.	E-in-C's Office

### 8.11

<b>3 M/R Carpenters were regularised on 1.3.2016</b>			
<b>SU/No</b>	<b>Name</b>	<b>Present Place of Posting</b>	<b>New place of posting</b>
1	T.Lalthianghlina	Lunglei Building Divn.	Lunglei Building Division
2	Thangkuma	Project Divn-II	Project Divn-II
3	Thankuma	Building Division	Building Division, Aizawl

### 9 LIST OF EMPLOYEES ELIGIBLE FOR FINANCIAL UPGRADATION(s) UNDER MACPS,2010 Group 'B' 2015 :

#### 9.1 Group B

<b>SU/No</b>	<b>Name</b>	<b>Designation</b>	<b>OFFICE</b>
1	Lallianmawia	J.E	Lunglei Division
2	R.Vanhnuaitanga	J.E	Lunglei Circle
3	Lalmangaihzuala	J.E	NHD-II
4	Lalduhchhungi Punte	J.E	E-in-C
5	Lalsangzuali Sailo	Steno-III	E-in-C
6	Lalbiakliana	J.E	Quality Control Division
7	Lalchhuansanga	J.E	Quality Control Division
8	Lalrosanga	J.E	Quality Control Division
9	Hnamtinkunga	J.E	Quality Control Division
10	Biakkhumi	UDC	Lunglei Division
11	Lalfakzuala Hnamte	J.E	NHD-III
12	Lalhmingmawii	D/M-III	NHC-I
13	J.Rinliana	J.E	Mech.Divn.Aizawl
14	Muraleedharan	D/M-II	Kawrthah Division
15	Donny Lalhlengliana	D/M-II	Eastern Circle
16	CHBM Singh	J.E	Mech.Divn.Aizawl
17	Vanlaltana	J.E	Quality Control Division
18	Lalremngheta	J.E	Quality Control Division
19	Lalzuithanga	J.E	Lunglei Division
20	C.Lalrinmawia	J.E	Kolasib Division
21	H.Vanlaruata	J.E	Road North Division
22	PC Vanlalsanga	J.E	MMPD - II

23	Saichhunga	J.E	Building Division, Lunglei
24	Lalbiakthanga	J.E	Mechanical Circle
25	Lalngaisanga	J.E	E-in-C
26	P.Vanhmingthanga	W/C OS-II	Mech.Lunglei
27	B.Lalremsangi	Assistant	NH Division-IV
28	Lalsangliani Ralte	Assistant	Hmuifang Divn.
29	Lalhrangzuali Sailo	Assistant	E-in-C
30	Lalchhuanliana	Assistant	Mamit Division
31	Vanlalchhuani	Assistant	NH Division-I
32	Lalrosangi	UDC	Khawzawl Division
33	C.Lalrintluangi	UDC	CE, Building
34	Lalbiaknii, Chhakchhuak	UDC	Lunglei Division
35	H.Lalthanzuala	Steno-II	Project Circle
36	R.Lalrampari	Assistant	Electrical Divn.Aizawl
37	C.Dochungnunga	J.E	Aizawl Building Divn.
38	Lalthanpuia Khiangte	J.E	Aizawl Building Divn.
39	H.Lalhruaia	UDC	Hmuifang Divn.
40	Lalbiaktluangi	UDC	CE, Road
41	K.Lalhlimpuii	UDC	NH Division - IV

## 9.2 **GROUP C**

Sl No.	Name	Designation	Office
1	Laldawngkimi	LDC	Project Division-II
2	F.Lalramliani	LDC	Building Circle
3	Lalhmingmawii	D/M - III	Project Division-II
4	K Thangtluangi	LDC	CE, Highway
5	Lalthanpari	LDC	SE, Western Circle
6	Liankima	Operator	Hmuifang Divn.
7	C.Lalnunsiami	LDC	Hmuifang Divn.
8	Zodinpuia	LDC	Kolasib Division
9	Lalchawimawia	LDC	Kolasib Division
10	Lalthangmawia	T/S.A	Kolasib Division
11	Lalengzami	LDC	Mechanical Circle
12	Saingurpuii Sailo	LDC	Road South Division
13	K.Lalthlamuana	T/S.A	Road South Division
14	Lalhriatpuia	T/S.A	Lunglei Division
15	Lalhmingliana	T/S.A	Lunglei Division
16	LH Lalnuntluanga	T/S.A	Lunglei Division
17	EL Malsawmkimi	LDC	NH Circle - I
18	P.Lalhmingliani	LDC	NH Circle - I
19	Lalrozara	T/S.A	Building Division, Lunglei
20	PC Muanthanga	T/S.A	Building Division, Lunglei
21	B.Ropianga	T/S.A	Building Division, Lunglei
22	Lalrinliana	D/M-III	Eastern Circle
23	K.Tlangmawii	LDC	Eastern Circle

24	Lalmangaihi	LDC	Eastern Circle
25	Lalmuchhuaka	LDC	Saitual Division
26	T.Lalengmawia	T/S.A	Saitual Division
27	K.Vanlalfaka	LDC	NH Circle - I
28	Lalthianghlina	T/S.A	Project Division - I
29	C.Lalnuntluanga	T/S.A	Project Division - I
30	Lalremsangi	LDC	NH Circle - I
31	Biresh Chandra Das	Mech - II	Mechanical Divn.Aizawl
32	Laltlanthanga	Driller	Mechanical Divn.Aizawl
33	Bir Singh	Mech - II	Mechanical Divn.Aizawl
34	KC Singh	Mech - II	Mechanical Divn.Aizawl
35	David Lalbiakluanga	W/C T/SA	Road North Division
36	C.Lalmachhuani	LDC	NH Division -II
37	C.Lalchhuangliana	W/C T/SA	NH Division -II
38	Vanchhungi	T/S.A	Saitual Div.
39	PC Lalremruati	LDC	Saitual Div
40	Lallawmkimi	LDC	CE(H)
41	C. Lalramliani	LDC	Tlabung Div
42	Lalrinawma	T/S.A	Tlabung Div
43	Lalbiakdiki	LDC	Tlabung Div
44	F. Vanlalruata	Plumber	Tlabung Div
45	S. Lalremruata	T/S.A	Saiha Div
46	Lianchuangkimi	LDC	Mamit Div
47	H. Vanlalruata	T/S.A	Mamit Div
48	Laltanpuui	LDC	Azl Bldng
49	Thangngaihzuai	LDC	Azl Bldng
50	Lalmuankimi	W/C Upholster	Azl Bldng
51	Ralkapthanga	W/C Carpenter	Azl Bldng
52	PC. Zokima	T/S.A	LLI Bldng
53	F. Lalrammawia	T/S.A	LLI Bldng
54	Saidingliana	T/S.A	Lunglei Div
55	H.C.Laltanpuui	LDC	Hmuifang Div
56	V. Lalthankimi	T/S.A	Proj-II
57	Lallsawmzuai	LDC	E-in-C
58	Lalrinsangi	LDC	E-in-C
59	Lalmalsawmi Sailo	LDC	E-in-C
60	KC. Lalhlipua	T/S.A	Road N
61	Lalsangzuala Sailo	T/S.A	Road N
62	Lalroengi	LDC	Road N
63	H. Lalropua	T/S.A	Road N
64	Zirsangi Ralte	LDC	CE(B)
65	Vanlalrengi	LDC	NH Div-I
66	VM Thanga	T/S.A	NH Div-I
67	K. Malsawma	T/S.A	NH Div-I
68	H. Lalrinliana	T/S.A	NH Div-I
69	Lalkima	LDC	NH Circle-I

70	H. Vanlalchama	LDC	QCD
71	PC. Zodinmawii	LDC	QCD
72	Lalthankimi	LDC	Kolasib Div
73	Lalfamkima	Wireman	Elect Aizawl
74	Vanlalruati	LDC	Mech Circle
75	Vanlalruata	Mech - II	Mech Div
76	Lalrinmawia	Driller	Khawzawl Div
77	Malsawma	T/S.A	Khawzawl Div
78	PC. Zoliana	SA	Khawzawl Div
79	J. Lalnunmawia	LDC	Khawzawl Div
80	Hmingsangzuala	T/S.A	Proj-I
81	H. Vanlalzawni	LDC	Eastern Circle
82	PC. Rozuala	W/C Wireman	Elect Aizawl
83	CL Biakhlira	D/M-III	Serchhip
84	RK. Lalhlimpui	LDC	Lunglei Circle
85	S.T Zikpuii	LDC	Proj-I
86	Hawipari	LDC	NHD-I
87	Kawlramthanga	SA	Proj-I
88	C. Lalthansanga	LDC	Proj-I
89	V. Lalmangaihi	LDC	CE®
90	Sainghinglovi	LDC	Kawrthah
91	RK. Remsangpui	LDC	Lunglei Division
92	Rozamvela	W/C Driller	Kawrthah
93	Saharul Islam Barlaske	W/C Mech-II	Kawrthah
94	Vanlalliana	W/C Mech-II	Mech Division
95	T. Sangkhuma	W/C Mech-II	Mech Division
96	Vanlalsawma	Mech - II	Mech Division
97	Jugendra Singh	Welder	Mech Division
98	T. Lalchhandami	LDC	Building Circle
99	Zaithanpuii	LDC	CE (H)
100	Lalmalsawmi	LDC	CE (H)
101	Zohmingliani	LDC	Building Circle
102	Eneth N. Ngovi	LDC	CE (H)
103	Chalthanzami	LDC	Western Circle

### 9.3 GROUP D

1	Lalringliana	W/C Jugali	Elect Aizawl
2	Lalremruata	IBC	Khawzawl
3	Hranghmingthangi	Peon	Khawzawl
4	R. Lalsiamhluna	Chowkider	Khawzawl
5	Madhu Maya	Peon	Kolasib Div
6	R. Lalzikpuii	Peon	Kolasib Div
7	C. Lalremruati	W/C Sweeper	Hmuifang Div.
8	Lalbiakliani	IBC	NH Div-III
9	Vanlalthuma	Peon	QCD
10	C. Lalrintluanga	Chowkider	QCD

11	KV.Tlangmawia	Sweeper	QCD
12	Saithangpuii	Sweeper	QCD
13	R. Doliana	Chowkider	QCD
14	C. Lalnuntluanga		QCD
15	BVL. Malsawmtluanga	W/C Jugali	Elect Lunglei
16	Kisan Raut	Handyman	Road N
17	Ramengmawii	Peon	Road N
18	Malsawmtluanga	Chowkider	Road N
19	Rodingliana	IBC	Serchhip Div
20	Lalchhuana	IBC	Serchhip Div
21	Mawithangpuii	W/C Peon	Serchhip Div
22	Lalhunthangi	W/C Sweeper	Serchhip Div
23	V. Hmingliani	Peon	Serchhip Div
24	Lalhmingliana	W/C Dak Runner	Serchhip Div
25	Ramnghingi	Peon	Serchhip Div
26	Lalthansangi	IBC	Serchhip Div
27	K. Sangthangi	IBC	Lawngtlai Div
28	Oliver Zothanhliri	Sweeper	Lawngtlai Div
29	Ghrit Nandan Layak	Chowkider	Kawrthah Div
30	Bidur Joysi	Dak Runner	Tlabung Div
31	P. Vanlalbuka	Peon	Tlabung Div
32	V. Lalsangzuala	IBC	Tlabung Div
33	Dawtho	Chowkider	Tlabung Div
34	C. Biakngura	Peon	Mamit Div
35	Lalduhawma	W/C Chowkider	Mamit Div
36	Lalthanthuama	W/C Jugali	Mamit Div
37	Chawngpari	W/C Sweeper	Bldng Div
38	Lalrozami	W/C Dak Runner	Bldng Div
39	P. Lalchamliana	IBC	LLI Bdng
40	F.Aihurangi	Peon	LLI Bdng
41	C. Lalngaizuala	IV Grade	LLI Bdng
42	F. Lalfakzuala	IV Grade	LLI Bdng
43	C. Sangnguri	IV Grade	LLI Bdng
44	K. Lalzawmliana	IV Grade	LLI Bdng
45	K. Hrangliana	Peon	CE(B)
46	Zasanga	Chowkider	NHD-II
47	H. Lalthankima	W/C Jugali	Elect Lunglei
48	Lalchhuanawma	W/C Jugali	Elect Lunglei
49	Biakveli	Peon	Kawrthah
50	K.T.Rabua	W/C Jugali	Mech Div
51	Lalsawmliana	W/C Jugali	Mech Div
52	H. Zailiana	Peon	CE (H)
53	Ranjit Kumar Das	Chowkider	CE (H)
54	Mohan Sharma	Chowkider	Project Division-II
55	Narayan Maity	Chowkider	Project Division-II
56	Lalthanzama	W/C IV Grade	NH Div-II

57	Lalringliani	Peon	SE.Western Circle
58	F.Lalriliansa	IBC	Lunglei Circle
59	Ramnanzira	Peon	Mech Circle
60	J Lawmzuala	W/C Chowkider	Lunglei Division
61	ZD Zosangliana	IBC	Lunglei Division
62	Zokungi	Peon	NH-I
63	C Thanghnuni	Peon	Bldng Divn.Lunglei
64	J Lalchhuana	Peon	Bldng Divn.Lunglei
65	Sanghlira	IBC	Saiha Division
66	Lalhruaia	Peon	Saiha Division
67	K Kapzela	Boatman	Saiha Division
68	R Lalnunmawia	W/C Dak Runner	Quality Control Divn.
69	Nomawia	Peon	NH Circle - I
70	Chawngmawii	Peon	NH Circle - I
71	F Lalromawia	Chowkider	Mech.Divn.Aizawl
72	H Lalnunthara	Chowkider	Mech.Divn.Aizawl
73	F Zothanmawii	W/C IV Grade	Mech.Divn.Aizawl
74	Zoduhchhunga	Chowkider	Mech.Divn.Aizawl
75	HM Captain	Jugali	Mech.Divn.Aizawl
76	Lalhmingthangi	Sweeper	NH Division - II
77	Nancy Thangvungi	W/C Peon	Project Division-III

## 10. HUMAN RESOURCE DEVELOPMENT :-

Format of Training Need Assessment (TNA) was circulated to all Officers and Staff for their own assessment in their Education, Service, Training & Institutional Developments. It may be mentioned that designing of Training Plan is difficult without knowing the actual need of each individual. Compilation of TNA has been completed and it will be used for the designing of Training Programme and Training Plan.

HR Development is a philosophy of management and is purported to upgrade the capabilities and professional skills of the personnel working in an organization to match the changing work demands. Realising the need for skill development and capacity building of the human resources, training programmes were selected. Our engineers received specialized training in the areas of their expertise to cope up with the challenging assignments.

**EVALUATION :** To evaluate study and record the different trainings attended by officers, the **Training Report** is being often sent to each engineer after they returned back from the training Institutions. The new skills, usefulness and other details of the training can be known from this answer form. The format developed by the State DP&AR 'Training Wing' is used for giving Training Report.

It is also reported that during the year 2015-16, several Engineers of the Department have attended various training programmes in reputed training institutions both within and outside the country. Our Engineers have been deputed regularly to attend different training programmes in IAHE (Indian Institute for Highway Engineers, Noida (UP) and Administrative Training Institute (ATI), Aizawl as per their Annual Calendar. Besides, our engineers have attended programmes in reputed institutions such as NIDM (National Institute of Disaster Management), ASCI, Hyderabad, NIRD, Hyderabad & Guwahati, IIPA, New Delhi, Assam Road Research & Training, Guwahati, NDMA, New Delhi, CRRI (Centre for Road Research Institute, New



Delhi), etc. Moreover, specific training programmes were also attended abroad such as Malaysia Institute of Transport (MITRANS) and Transport Sector in Australia. In fact, other government departments, institutes, University, etc. have taken the services of our engineers as Resource Persons in various training organized programmes.

During the year 2015-16, it is recorded that as many as 104 nos. of Officers and Staff participated in 37 various training courses and other Seminars within and outside the State.

### **CELEBRATION OF TIME-BOUND UPGRADATION OF JUNIOR GRADE TO NON-FUNCTIONAL SENIOR GRADE OF MES UNDER PWD**





**Giving Tawlhlohpuan to all Promotees (above)**

**Giving Citation to Er. R. Vanlaltluanga, E-in-C (below)**





Receiving Guests and Invitees for the Function.



**Pictures of Senior Officers and Pensioners with Chief Guest & Guest of honour**



## New Recruited Staff at PIU



**2015 International Advance Road Engineering Training Programme  
(Nov., 28 to Dec., 8, 2015 at Seoul, South Korea)**



**Meeting of all Officers & Staff of E-in-C's office**



**Presentation of Certificate to Er. Lalhmasaa, EE, PWD & others**

Review Meeting of Works under PWD Mizoram at E-in-C's Conference Hall  
(12<sup>th</sup> November, 2015)





Shri. Lalram Thanga Principal Secretary, PWD addressing the Meeting



Er. R. Vanlaltluanga Engineer-in-Chief, delivering speech in the Meeting



**Senior Officers of PWD (SE/Sr. Arch)**



**Lady Engineers & Architects of PWD**



**Group Photo of Review Meeting**



Celebration of PEU Silver Jubilee on 5.2.2016. Prayer Mountain (Tawngtaina tlang) @Muthi



**Some Pictures of Laboratory Tests & Equipments performed by  
Quality Control Division, Zuangtui**



**Inspection of Bailey Bridge  
by Quality Control Team**



**Tensile Strength Test of Steel at Central Lab.**

**AIV Test of Aggregates at Central Laboratory**



**Concrete Mix Design at Central Lab. PWD Zuangtui**

## Chapter 11

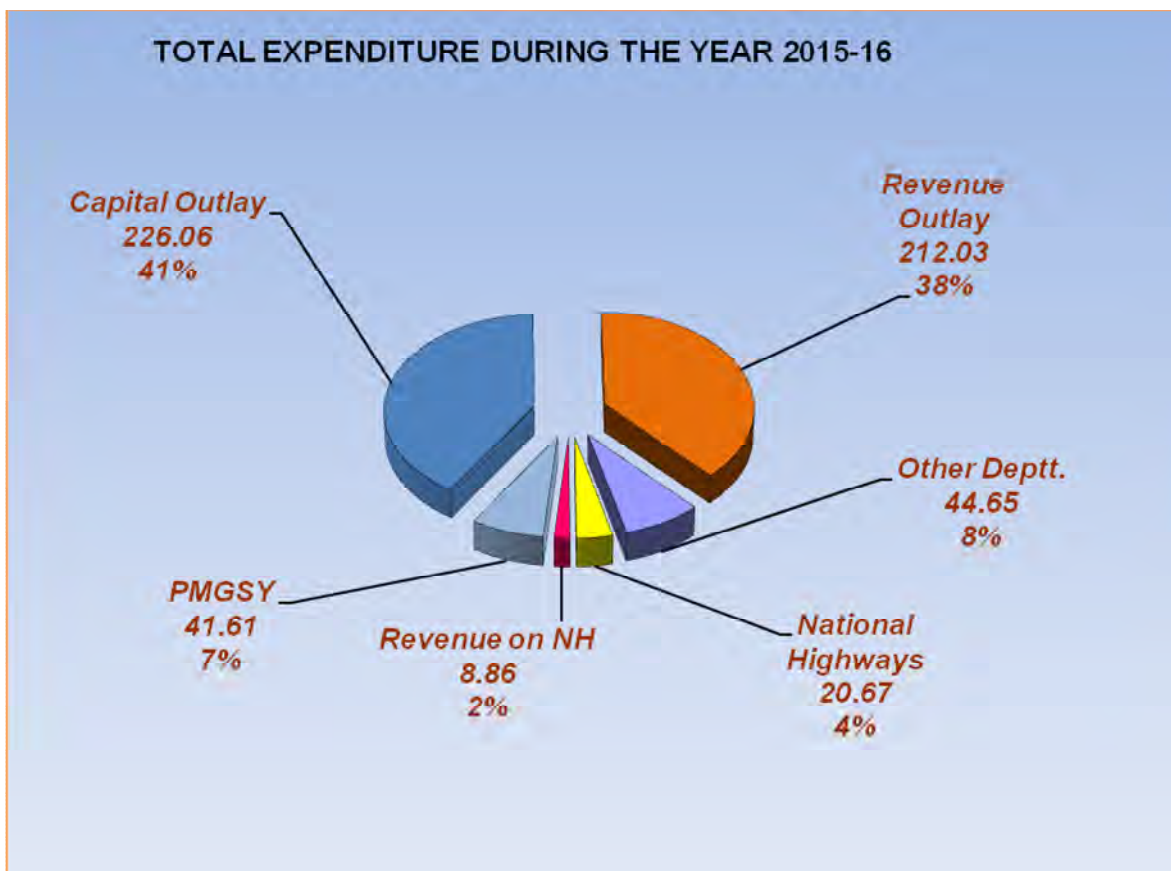
### FINANCIAL STATEMENTS

In the 2015-16 fiscal, the PWD received a total of ₹ 482.74 crores from State and Central Governments and external aid agencies for the construction and maintenance of roads, bridges and buildings in Mizoram. Another ₹ 41.61 crores for PMGSY works and ₹ 29.53 crores for National Highway Works. Thus making a grand total of ₹ 553.88 crores.

#### 11.1 TOTAL PWD EXPENDITURE :

The total PWD Total Expenditure, ₹ 553.88 crores during the year 2015-16 shown in the following Chart :

Sl/No	Name of Fund	Expenditure
1	National Highways	20.67
2	Revenue on NH	8.86
3	PMGSY	41.61
4	Capital Outlay	226.06
5	Revenue Outlay	212.03
6	Other Deptt.	44.65
	<b>Total</b>	<b>553.88</b>



**11.2 PMGSY :**

(Rs. in Lakhs)

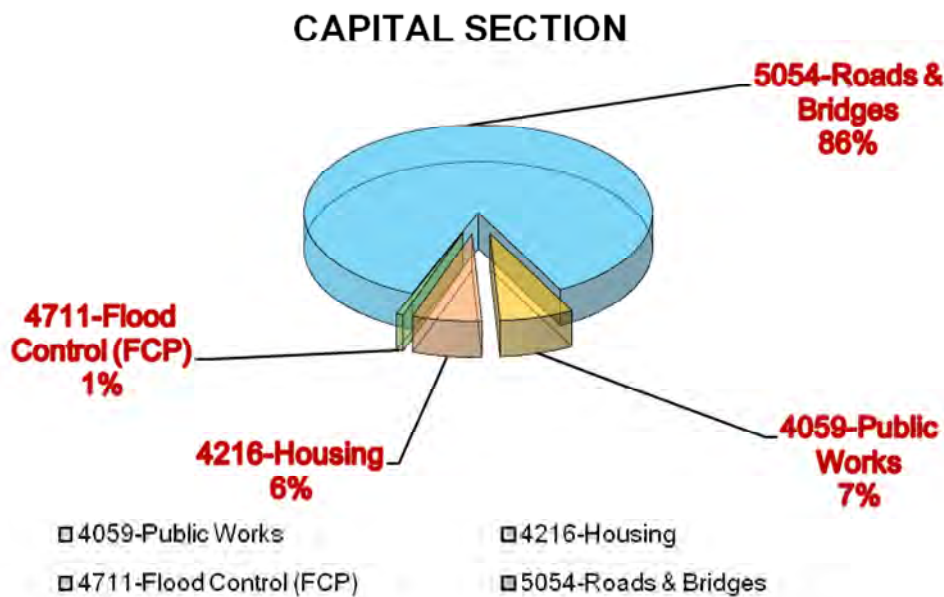
Srl. No.	Head	Opening Balance as on 31.03.2015	Receipt during the year 2015-16		
			Govt of India (MoRD)	Govt of Mizoram to meet excess expenditure on roads	Govt of Mizoram for State Share of PMGSY Programme Fund
1	2	3	4	5	6
1	Administrative Fund	97.13	2.90	0.00	0.00
2	Programme Fund	752.75	5,090.00	450.00	160.00
	<b>Total</b>	<b>849.88</b>	<b>5,092.90</b>	<b>450.00</b>	<b>160.00</b>

Interest & Misc. receipt	Total Fund Available	Expenditure during the year 2015-16	Closing Balance
7	8	9	10
3.91	103.94	52.07	51.87
11.43	6,464.17	4,108.77	2,355.40
<b>15.34</b>	<b>6,568.11</b>	<b>4,160.84</b>	<b>2,407.27</b>

**11.3 Capital Outlays :**

The total Capital funding during the year 2015-16 was ₹ 22,606.10 lakhs from Plan and Non-Plan, details of Capital with each Heads may be shown in table and chart as below :

Srl. No.	Head	Plan	Non-Plan	Total
1	4059-Public Works	1,550.85	2.66	1,553.51
2	4216-Housing	1,457.55	0.00	1,457.55
5	4711-Flood Control (FCP)	146.00	0.00	146.00
6	5054-Roads & Bridges	19,449.04	0.00	19,449.04
	<b>Total</b>	<b>22,603.44</b>	<b>2.66</b>	<b>22,606.10</b>

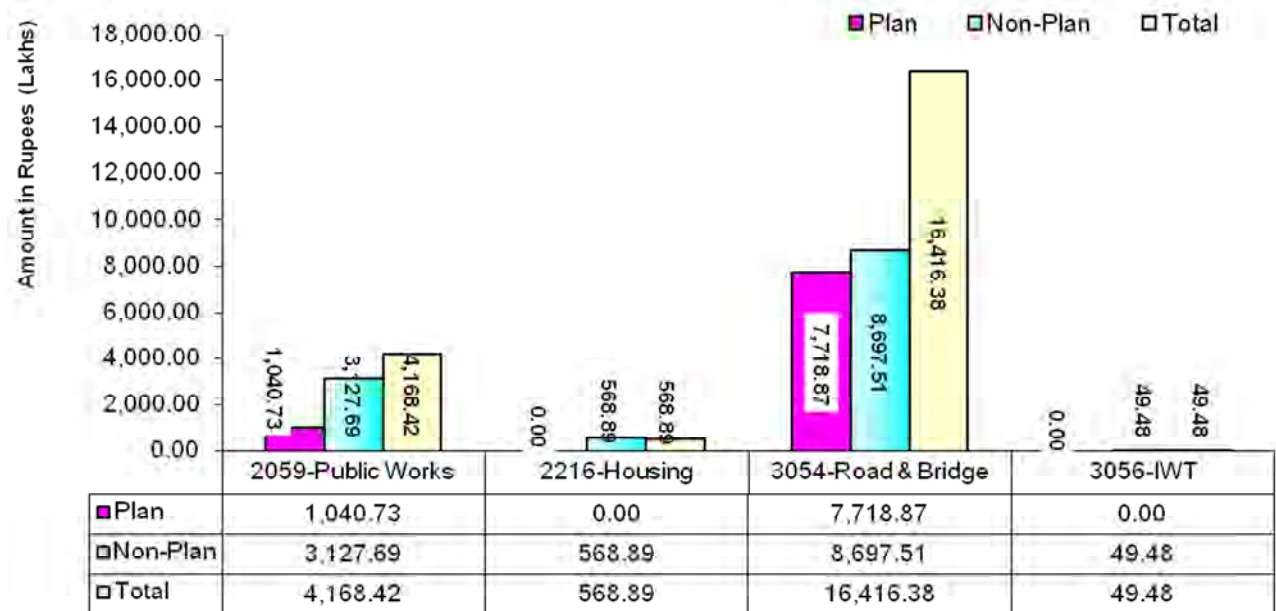


### 11.4 Revenue Outlay :

The total PWD Revenue during the year 2015-16 was ₹ 21,203.17 lakhs and the details are shown as below :

Srl. No.	Head	Plan	Non-Plan	Total
1	2059-Public Works	1,040.73	3,127.69	4,168.42
2	2216-Housing	0.00	568.89	568.89
3	3054-Road & Bridge	7,718.87	8,697.51	16,416.38
4	3056-IWT	0.00	49.48	49.48
	<b>Total</b>	<b>10,217.15</b>	<b>12,443.57</b>	<b>21,203.17</b>

### REVENUE OUTLAY

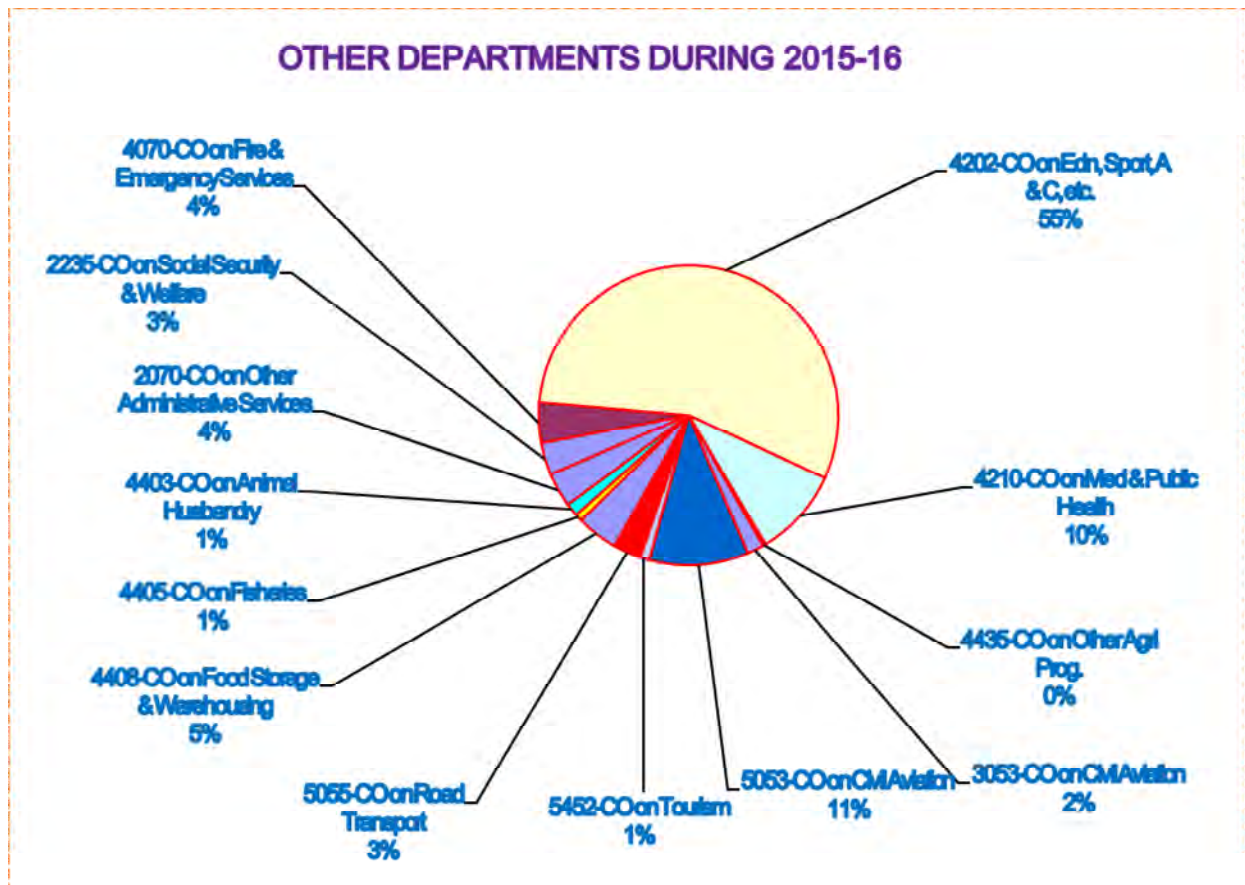


Head

### 11.5 Other Departments :

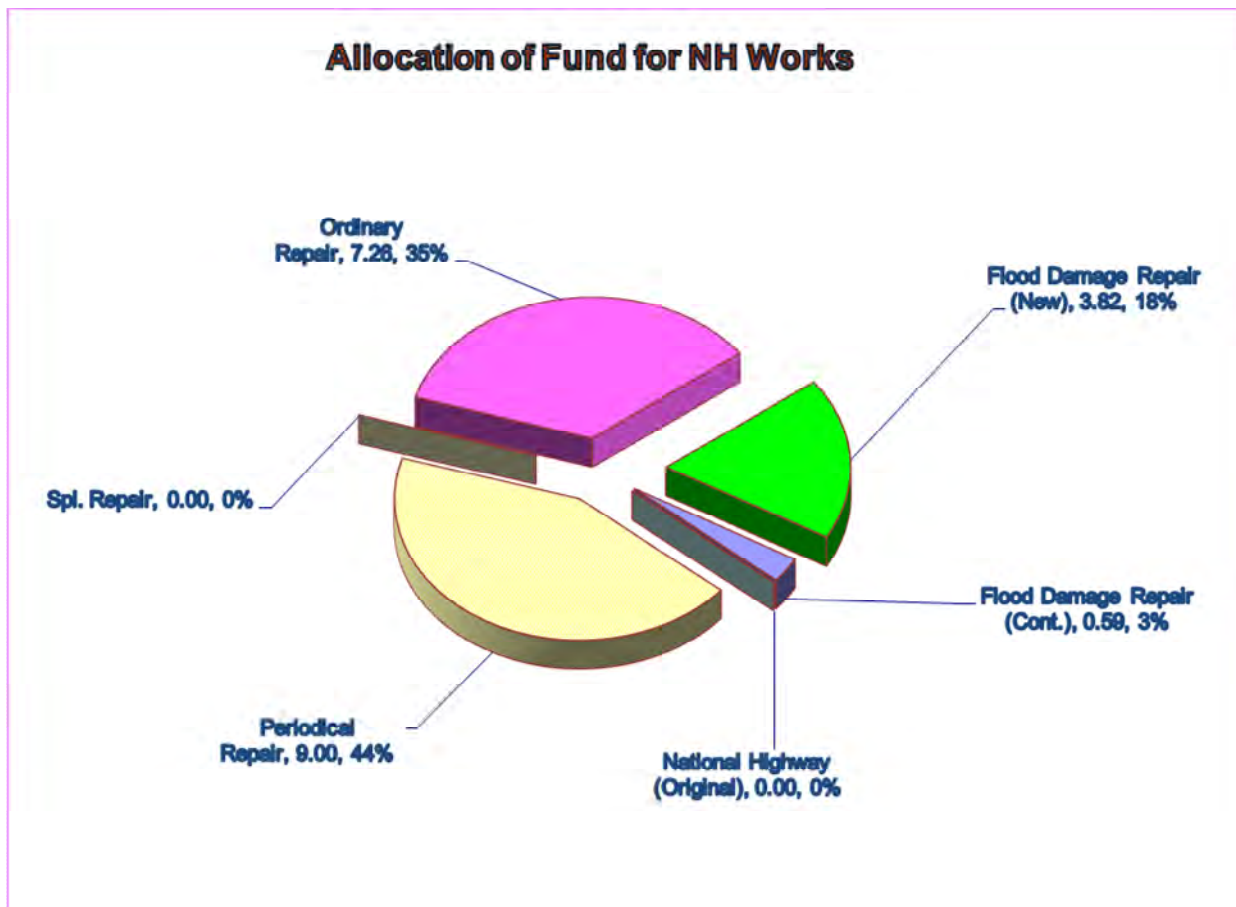
PWD also undertakes construction and maintenance works of various types of Buildings on behalf of other Departments under the Government of Mizoram. During the reported year 2015-16, ₹ 4,385.31 lakhs of Funds from Plan and ₹ 79.93 lakhs of Funds from Non-Plan were allocated to the PWD for this purpose. The details of its statement are shown in table and chart as follows :

Srl. No.	Head	Plan	Non-Plan	Total
1	2235-CO on Social Security & Welfare	153.76	0.00	<b>153.76</b>
3	4070-CO on Fire & Emergency Services	193.58	0.00	<b>193.58</b>
4	4202-CO on Edn, Sport, A & C, etc.	2,473.75	0.00	<b>2,473.75</b>
5	4210-CO on Med & Public Health	428.94	0.00	<b>428.94</b>
6	4435-CO on Other Agri Prog.	14.96	0.00	<b>14.96</b>
7	3053-CO on Civil Aviation		79.93	<b>79.93</b>
7	5053-CO on Civil Aviation	477.99	0.00	<b>477.99</b>
8	5452-CO on Tourism	45.74	0.00	<b>45.74</b>
9	5055-CO on Road Transport	134.20	0.00	<b>134.20</b>
10	4408-CO on Food Storage & Warehousing	200.00	0.00	<b>200.00</b>
11	4405-CO on Fisheries	35.00	0.00	<b>35.00</b>
12	4403-CO on Animal Husbandry	63.39	0.00	<b>63.39</b>
13	2070-CO on Other Administrative Services	164.00	0.00	<b>164.00</b>
	<b>Total</b>	<b>4,385.31</b>	<b>79.93</b>	<b>4,465.24</b>





**11.6 National Highways :** The total of ₹ 20.67 crores had been received during the reported year. The detail distribution of Fund was shown as below :



**11.7 Audited Reports :** Audited reports during the year 2014-15 received are shown below :-

**1. PMGSY :**

Auditing is not yet done.

**2. Capital, Revenue & Other Deptt. :**

ABSTRACT STATEMENT OF RECONCILIATION, 2015-2016 (TREASURY PORTION)  
(PUBLIC WORK DEPARTMENT, DEMAND NO.4E)

Head of Account/Debit Head	RE (Rs in lakhs)				A.G. Figures	Difference	Accepted Figure	REMARKS
	Original BE	Budget (BE+1)	Extraordinary (EX)	(Savings)				
2259 - Public Works (P)	12.50	-	-	12.50	9.54,579.00	3,04,579.00	9,54,579.00	
2259 - Public Works (NP)	3859.50	48.75	0.00	759.80	3765.80,000.00	7100.00,000.00	3,769,665.00	
<b>Total of 2259 - PW (P &amp; NP)</b>	<b>3872.00</b>	<b>48.75</b>	<b>0.00</b>	<b>772.30</b>	<b>3,778,414.00</b>	<b>7,110,579.00</b>	<b>3,789,204.00</b>	
3254 - Roads & Bridges (P)	8889.75	221.47	0.00	743.60	8,891,264.10	9,117,40,264.30	2,21,84,000.00	
3254 - Roads & Bridges (NP)	1,380.00	180.00	2.70	1,153.30	1,384,72,000.00	1,38,70,40,000.00	1,37,31,680.00	
<b>Total of 3254 - Roads &amp; Bridges (P&amp;NP)</b>	<b>10,269.75</b>	<b>401.47</b>	<b>2.70</b>	<b>1,896.90</b>	<b>10,275,984.10</b>	<b>10,506,10,264.30</b>	<b>1,38,66,680.00</b>	
3265 - NW (NP)	73.27	0.00	0.00	28.32	48,12,181.30	48,12,181.30	0.00	

If any discrepancy arise due to this A.G. Figure will stand final.

Department Representative: Public Works Department, Mizoram  
 Accountant: A.G. Office, Mizoram  
 Assistant Account Officer: A.G. Office, Mizoram  
 Joint Assistant Officer: A.G. Office, Mizoram

(PUBLIC WORKS DEPARTMENT) DEMAND NO.4E

Head of Account/Debit Head	RE (Rs in lakhs)				A.G. Figures	Difference	Accepted Figure	REMARKS
	Original BE	Budget	Extraordinary	(Savings)				
2259 - Public Works (P)	12.50	-	-	12.50	9,54,579.00	3,04,579.00	9,54,579.00	
2259 - Public Works (NP)	3,859.50	48.75	0.00	759.80	3,765,800.00	7,100,000.00	3,769,665.00	
<b>Total of 2259 - PW (P &amp; NP)</b>	<b>3,872.00</b>	<b>48.75</b>	<b>0.00</b>	<b>772.30</b>	<b>3,778,414.00</b>	<b>7,110,579.00</b>	<b>3,789,204.00</b>	
3254 - Roads & Bridges (P)	8,889.75	221.47	0.00	743.60	8,891,264.10	9,117,40,264.30	2,21,84,000.00	
3254 - Roads & Bridges (NP)	1,380.00	180.00	2.70	1,153.30	1,384,72,000.00	1,38,70,40,000.00	1,37,31,680.00	
<b>Total of 3254 - Roads &amp; Bridges (P&amp;NP)</b>	<b>10,269.75</b>	<b>401.47</b>	<b>2.70</b>	<b>1,896.90</b>	<b>10,275,984.10</b>	<b>10,506,10,264.30</b>	<b>1,38,66,680.00</b>	
3265 - NW (NP)	73.27	0.00	0.00	28.32	48,12,181.30	48,12,181.30	0.00	

If any discrepancy arise due to this A.G. Figure will stand final.

Department Representative: Public Works Department, Mizoram  
 Assistant Account Officer: A.G. Office, Mizoram  
 Joint Assistant Officer: A.G. Office, Mizoram

**3. National Highway (NH) :**

As Regional Office, Guwahati is the paying authority; auditing report is not available for the Fund received in respect of National Highway.

## Chapter 12

### GENERAL INFORMATION & MIZORAM CORE ROAD NETWORK - 2016

#### (A) MIZORAM AT A GLANCE \*:

S/N	Particulars	Figure	Unit
1	State Capital	Aizawl	
2	Geographical Area	21081	Sq km
3	<b>Geographical Location</b>		
	i) Longitude	92.15'E to 93.29'E	degree
	ii) Latitude	21.58'N to 24.35'N	degree
4	<b>Length</b>		
	i) North to South	277	Km
	ii) East to West	121	Km
5	<b>International Borders</b>		
	i) With Myanmar	404	Km
	ii) With Bangladesh	318	Km
6	<b>Inter-State Borders</b>		
	i) With Assam	123	Km
	ii) With Tripura	66	Km
	iii) With Manipur	95	Km
7	<b>Administrative Set-up</b>		
	i) District	8	Nos.
	ii) Autonomous District Council	3	Nos.
	iii) Sub-Division	23	Nos.
	iv) RD Block	26	Nos.
	v) Total Villages (2011 Census)	830	Nos.
	a) Inhabited	704	Nos.
	b) Uninhabited	126	Nos.
8	<b>Population as per 2011 Census</b>		
	i) Persons	10,97,206	Nos.
	ii) Male	5,55,339	Nos.
	iii) Female	5,41,867	Nos.
	iv) Rural	5,25,435	Nos.
	vi) Urban	5,71,771	Nos.
9	<b>Decadal Population Growth (1991-2011)</b>		
	Absolute	2,08,633	Nos.
	Percentage	23.48	%
	<b>Population Density</b>	52	Per sqkm
	<b>Sex Ratio</b>	976	Female per 1000 male
10	<b>Literacy percentage</b>	91.33	%
11	<b>Annual Rainfall in Mizoram</b>	190.6 in mm(2012)	201.9 in mm (2013)

\* indicated record of Mizoram Statistical Handbook 2014.

(B) MIZORAM CORE ROAD NETWORK - 2016					
SL.N	Name of Roads	Road	B.T	Unsurfac	Remarks
1	2	3	4	5	6
1	Aizawl-Thenzawl-Lunglei	164.500	164.50	0.000	Primary
2	Saitual-Phullen-Phuaibuang-Daido	111.000	111.00	0.000	Secondary
3	Aizawl-Reiek-W Lungdar	37.000	37.000	0.000	Secondary
4	Chhingchhip-Hmuntha-Khawbel	46.500	0.000	46.500	Tertiary
5	Rengtekawn-NH 154	6.200	6.200	0.000	Primary
6	EPhaileng-Suangpuilawn-Phullen	72.000	72.000	0.000	Secondary
7	Buhchang-Phaisen	9.300	9.000	0.300	Tertiary
8	Serkhan-Bukpui-Saipum-Bagha	111.000	111.00	0.000	Primary
9	Bilkhawthlir-Saiphai-Natasura	17.600	17.000	0.600	Secondary
10	Kawnpui-Hortoki-Meidum	47.000	18.000	29.000	Tertiary
11	Champhai-Zokhawthar	24.000	24.000	0.000	Primary
12	Saitual-Saichal-NE Bualpui	36.600	36.600	0.000	Tertiary
13	Keitrum-Chekawn-N Vanlaiphai	49.000	49.000	0.000	Primary
14	Khawzawl-Biahte-N Vanlaiphai	104.000	104.00	0.000	Primary
15	Khawzawl-Rabung-Phalte	64.000	64.000	0.000	Tertiary
16	Champhai-Hmunmeltha-N Khawbung	17.500	17.500	0.000	Secondary
17	Chekawn-Artahkawn	35.702	35.702	0.000	Tertiary
18	Biate-Khawbung-Mualkawi	97.000	97.000	0.000	Primary
19	Kanhmun-Kawrtethawveng-Tuilutkawn	88.500	88.500	0.000	Secondary
20	Tuibari-W Kawnpui	18.000	18.000	0.000	Secondary
21	Bairabi-Zamuang	28.000	28.000	0.000	Primary
22	Mamit-Bairabi	36.000	36.000	0.000	Primary
23	W Phaileng-Marpara	80.000	80.000	0.000	Secondary
24	Zamuang-Hriphaw-Kokalian	24.000	24.000	0.000	Secondary
25	Serchhip-Thenzawl-Buarpui-Bunghmun	126.000	126.00	0.000	Primary
26	Thenzawl-Chhipphir-Haulawng	47.500	25.000	22.500	Tertiary
27	Muallungthu-Khumtung	35.50	15.000	18.500	Tertiary
28	Tlabung-Kawruichhuah	12.000	12.000	0.000	Primary
29	Rawpuichhip-Buarpui	51.900	51.900	0.000	Secondary
30	Phairuang-Thenhlum	69.000	69.000	0.000	Secondary
31	Lunglei-Kawlhawk-Buarpui	75.000	36.000	39.000	Secondary
32	Hnahthial-Tumtukawn	52.000	10.000	42.000	Tertiary
33	Tlangpui-Niawhtlang-Chakhang-Chheihlu	70.000	23.260	46.740	Primary
34	Thingfal-Mamte-Lungtian-Rawlbuk	72.000	62.000	10.000	Tertiary
35	Kawlchaw-Serkawr-Tuipang	26.000	26.000	0.000	Tertiary
36	Saiha-Romibok-Phalhrang	33.740	33.740	0.000	Primary
37	Laki-Vahai-Longmasu	49.000	49.000	0.000	Tertiary
38	Siachangkawn-Vawmbuk	14.000	14.000	0.000	Tertiary
39	Chhumkhum-Chawngte	41.000	41.000	0.000	Primary
40	Chawngte-Borapansuri	35.000	0.000	35.000	Secondary
41	Diltlang-Chawngte	35.000	0.000	35.000	Primary
42	Kawlkulh-Lungpho-Hmunzawl	85.550	85.550	0.000	Secondary
43	Kawlkulh-NE Bualpui	24.000	24.000	0.000	Secondary
44	Aizawl bypass	13.250	13.250	0.000	Primary

# MIZORAM-CORE ROAD NETWORK

## PRIMARY ROADS

1. Aizawl-Thenzawl-Lunglei
5. Rengtekawn-HN 154
8. Serkhan-Bukpui-Saipum-Bagha
11. Champhai-Zokhawthar
13. Keitrum-Chekawn-N Vanlaiphai
14. Khawzawl-Biate-N Vanlaiphai
18. Biate-Khawbung-Mualkawi
21. Bairabi-Zamuang
22. Mamit-Bairabi
25. Serchhip-Thenzawl-Buarpui-Bunghmun
28. Tlabung-Kawrpuchhuah
33. Tlabung-Niawhltang-Chakhang-Chheihlu
36. Saiha-Romibok-Phalhrang
39. Chhukhmum-Chawngte
41. Diltlang-Chawngte
44. Aizawl Bypass

## SECONDARY ROADS

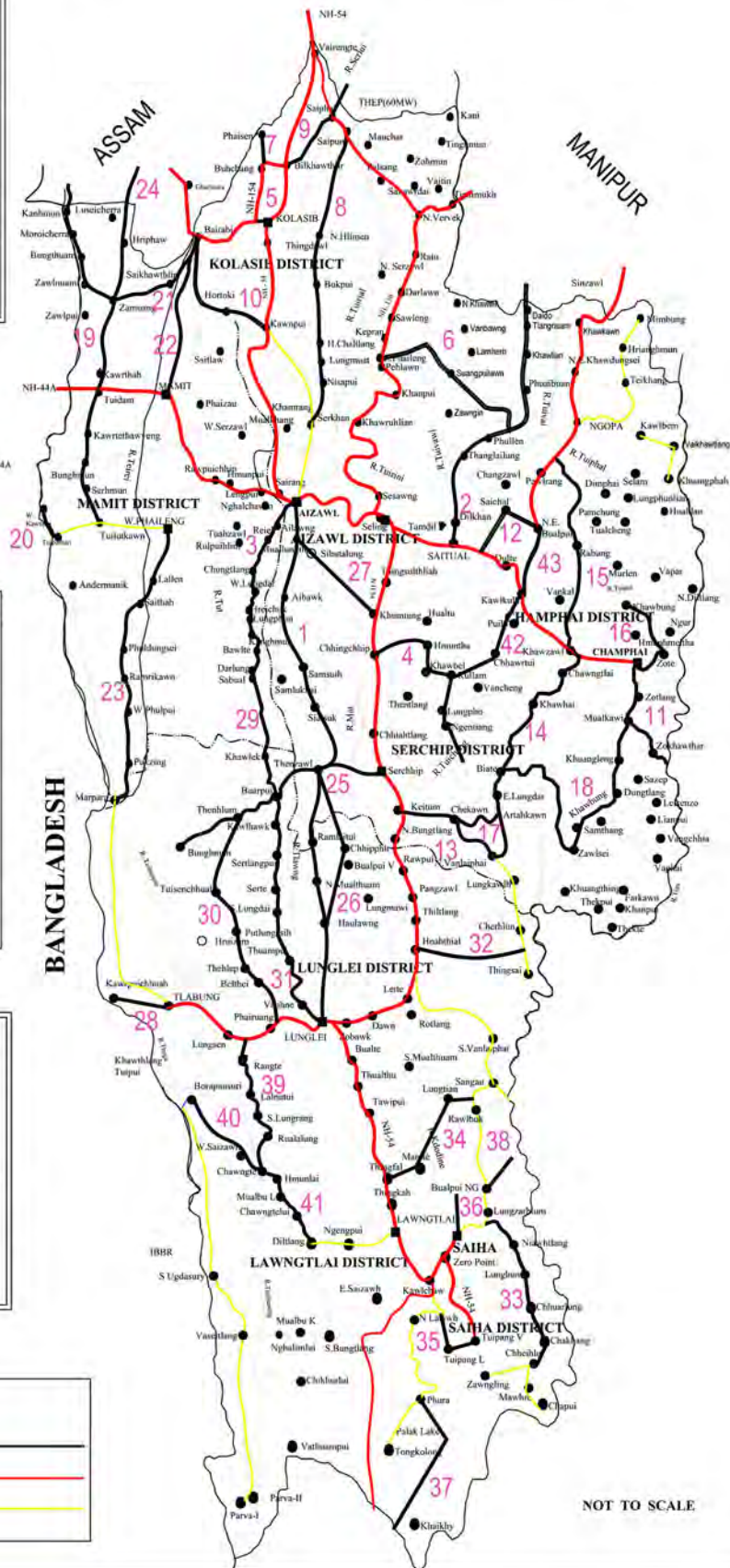
2. Saitual-Phullen-Phuaibung-Daido
3. Aizawl-Reiek-W Lungdar
6. E Phaileng-Suangpui-lan-Phullen
9. Bilkhawthir-Saiphai-Natasura
16. Champhai-Hmunmeltha-Khawbung
19. Kanmun-Kawrtethawng-Tuilutkawn
20. Tuipubari-W Kawnpui
23. W Phaileng-Marpara
24. Zamuang-Hrhipaw-Kokalian
29. Rawpuchhip-Buarpui
30. Phairuang-Thenlum
31. Lunglei-Kawlhawk-Buarpui
40. Chawngte-Borapanuri
42. Kawlkul-Lungpho-Hmunzawl
43. Kawlkul-NE Bualpui

## TERTIARY ROADS

4. Chhingchhip-Hmunmeltha-Khawbel
7. Buhchang-Phaisen
10. Kawnpui-Hortoki-Meikum
12. Saitual-Saichal-NE Bualpui
15. Khawzawl-Rabung-Phalte
17. Chekawn-Artahkawn
26. Thenzawl-Chhipphir-Haulawng
27. Muallungthu-Khumtung
32. Hnaththial-Tumtukawn
34. Thingfal-Mante-Lungtian-Rawlbuk
35. Kawchaw-Serkawr-Tuipang
37. Laki-Vahai-Longmasu
38. Siachangkawn-Vawmbuk

## REFERENCE

- Core Road : ————
- NH : ————
- BRTF Road : ————



NOT TO SCALE



**Important  
contact  
numbers  
of PWD  
Offices**

**PWD**

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CE, Buildings	-	2301538
CE, Planning, E-in-C's Office	-	
Chief Architect, E-in-C's Office	-	2322891
Joint Secretary	-	2325482
SE, Multi Modal Project Circle	-	
SE, National Highway Circle-I	-	2347189
SE, National Highway Circle-II	-	
SE, Eastern Circle	-	2396191
SE, Project Circle	-	2314169
SE, Building Circle	-	2323346
SE, Western Circle	-	2398991
SE, Mechanical Circle	-	2391090
Project Director, PIU	-	2324001
SE, Lunglei Circle	-	(0372) 2324720
SE(P), E-in-C's Office	-	2325723
SE(M), E-in-C's Office	-	2310122
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