



# Annual Report 2014 - 2015

IS / ISO 9001



**PUBLIC WORKS DEPARTMENT  
GOVERNMENT OF MIZORAM  
AIZAWL**

**ROAD SECTOR MODERNISATION PLAN – WORKING GROUP (RSMP-WG) under Mizoram State Road 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) Er. R. Lalrintluanga, SE, Eastern Circle - Member.
- 6) Er. J. Zothanpuia, SE, Western Circle - Member.
- 7) Er. Vanlalchhuana, SE (Planning), E-in-C's Office - Member
- 8) Er. Vanlalruata Sailo, EE (Procurement), WB-PIU - Member
- 9) Er. Lalrinawma, EE (W-II), E-in-C's Office - Invitee
- 10) Representative(s) of PMC - Invitee
- 11) Er. Lalrinkima Hnamte, Project Director, PIU - Member Secretary

**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

**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 Lalrinliana, AE, CE (Roads)'s Office - Member
- 4) Er. Vansangpuii Kiangte, AE, PIU - Member
- 5) Shri. Lallianhmuaka, Dy. Director (Admn.), E-in-C's Office - Member Secretary

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

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

**SUB-GROUP-IV : - ROAD SAFETY MANAGEMENT (Responsibility TE(Traffic Engineering) Cell in coordination with other Cells)**

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

**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. Lalmingsanga, EE (Environment) -PIU - Member
- 4) Er. Laltlanthangi Ralte, AE (Environment), PIU - Member
- 5) Shri. Laltlawmlova, Special Land Acquisition Officer (SLAO), PIU - Invitee
- 6) Smt. Rosie Lalremtuangi, Social Development Specialist, PIU - Member
- 7) Institutional Development Specialist and IT Specialist (PMC) - Invitee

**SPECIAL INVITEES :-**

Shri. Rajesh Mishra, Institutional Development Specialist (PMC)

Shri. Ramesh Sahoo, ICT & MIS Specialist

Er. Prithwiraj Roy, Contract Management & Procurement Specialist (PMC)

# 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.

**2015**

# GOVERNMENT OF MIZORAM PUBLIC WORKS DEPARTMENT



## ANNUAL REPORT

**2014 - 2015**

# GOVERNMENT OF MIZORAM PUBLIC WORKS DEPARTMENT

## ANNUAL REPORT 2014-2015

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

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

## Editorial Board

Editor : Er. J. Rammawia, Chief Engineer (Highways)  
Joint Editor : 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  
Production Manager : Er. Lalnunnema Tochwawng, HRD Manager, E-in-C's Office



**L-R : Er. Lalrinawma, Er. Vanlalruata Sailo, Er. John Rammawia, Shri. Lallianhmuaka,  
Er. Lalnunnema Tochwawng (Er. C. Lalthlamuani – Not in the picture)**



सत्यमेव जयते

Principal Secretary  
Public Works Department  
Government of Mizoram



### Message from Principal Secretary

The history of Mizoram Public Works Department is as old as the history of modern Mizoram. Soon after when the Lushai Hills was annexed by the British in 1890s, a need was felt for improving road connectivity and other infrastructure for the better administration. It was during the then Assam administration when the first road construction projects were initiated.

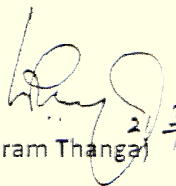
Public Works Department, Government of Mizoram is the pioneer in the construction arena of Mizoram. Over the years, PWD could successfully set the trend and standard in the State's infrastructure development playing a pivotal role in the implementation of government construction projects. It also undertakes projects for autonomous bodies as deposit works.

Today, the Department is headed by Engineer-in-Chief who is assisted by dedicated Chief Engineers in Planning, Buildings, Roads and Highways. Public works Department has qualified and experienced professionals forming a multi-disciplinary team of civil, electrical and mechanical engineers who work alongside architects under Chief Architect in the Department.

As with other development departments, PWD also has its controversies over corruption. However, today the Department is among the first to implement electronic accounting system in its various transaction to ensure transparency. The Department is currently implementing a host of projects in highways and rural roads besides undertaking major building construction for the Government. With its strong base of standards and professionalism developed over the years, PWD is the repository of expertise for any type of construction project in the State. Besides being the construction agency of the Government, it performs regulatory function in setting the pace and managing projects for the State's construction industry.

For affecting better transparency, I am happy that the Department is bringing out the Annual Report 2014-15 after a long gap. It is expected to have future editions of the same on an annual basis henceforth.

I wish to place on record the efforts put in by Engineer-in-Chief and his team of dedicated officers in bringing out the Annual Report 2014-15.

  
(Lalram Thanga) 2/3/14



Engineer-in-Chief  
Public Works Department  
Government of Mizoram

**Message from Engineer-in-Chief**



Mizoram PWD, over the years, have been making significant achievements and unfortunately, it seldom finds its way into the local media and the general public are not normally aware of the good works done by the Department. It is a pity that Mizoram PWD is getting only bad publicity which casts an undesirable image of the Department and people kept forgetting good deeds of PWD.

I hope that the Annual Report of 2014-2015 will feature various contributions made by Mizoram PWD towards development of the State and that its publication will create awareness among the public about the achievements made by the Department.

The Editorial Board deserves praise for bringing out the Annual Report, in spite of their busy schedule and hectic official works. It is my sincere hope that the Annual Report will continue to be published in subsequent years as well.

I wish the Annual Report a success.

  
(R. VANLALTLUANGA)



## 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 717.37 Cr. A total of Rs 538.04 cr was received from the State, Central Govt. and other external Aided Agencies. There are other expenditures of Rs 74.40 cr from PMGSY works and Rs 104.93 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 stated 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, therefore, 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 its level.

#### 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 summerised as below;

- i. Improvement of Roads is taken up in various types from State Plan and Maintenance Fund. Resurfacing of about 300 kms, 20 Culverts and repairing works are achieved.
- ii. The formation cutting of road length 1733.03 kms have been completed and 421.54 kms length has been blacktopped connecting 166 villages since inception of PMGSY,
- iii. Strengthening of West Phaileng to Marpara is under completion and Pavement of Muallungthu to Khumtung is in full swing from NABARD Scheme,
- iv. Under NEC, Construction of Saitual-Saichal-NE Bualpui road, Upgradation of Bairabi to Zamuang, Keitum to Artahkawn, Mamit to Bairabi, Saitual to Phullen, Silchar-Dwarbon-Phaisen-Buhchang, Thanlon-Singhat roads, etc. are under completion stages,
- v. Under NLCPR, 4 bridges and 2 buildings are under completion stages and construction of 9 roads is in progress,
- vi. Under CRF, Strengthening of Aizawl-Reiek-W.Lungdar and R. Tuipui-Biate roads is in full swing,

- vii. Under MSRP-II (World Bank Funded), Upgradation of Champhai-Zokhawthar and Chhumkhum-Chawngte roads is in good progress,
- viii. Under ADB Funding, Upgradation of Serchhip-Buarpui road is in good progress.
- ix. Construction of a new 2-lane highway to support Kaladan Multi Modal Transit Transport Project (KMMTTP) is also in good progress,
- x. Construction of 2-lane at various places in NH 54, NH 154 and NH 44A is in full swing.

**(b) BUILDINGS :**

Prominent buildings like Chief Judicial Magistrate cum Senior Civil Judge Court Building & Tourist Lodge at Serchhip, Polytechnic Buildings at Thingdawl, ACB Office Building at Aizawl, 17 nos. of Storage Godowns at various locations, 50-bedded CHC Hospital at Lawngtlai, Hotel Management Institute Building at Bung Bangalow, Fire Station Building at Champhai, State Museum Building at NSC, Auditorium cum Library at Hliappui were completed.

Directorate Building of Science & Technology Deptt at NSC and Polytechnic Buildings at Mamit are at completion stage. Infrastructure Development of 10 Colleges and Academic Building of Govt Aizawl College at Salem Veng (Mualpui) are also in progress.

**4. HUMAN RESOURCE MANAGEMENT**

As per the record, a total of 1637 regular and 463 workcharged employees are working in the Department. A total of 53 nos. got promotion in various capacities during the year.

It surprised me to know that as many as 91 nos. got retirement and 38 employees were expired in the Department. **Thereby, a total of 129 employees had been lost during the reported year.** Even then there is no record of new appointment during this year. It might be appropriated to say that the year 2014-15 could be termed as a LOST YEAR.

It should be kept in mind that 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 community of Mizoram.



(JOHN RAMMAWIA)

Editor  
cum

Chief Engineer, Highways  
Public Works Department  
Government of Mizoram

## Chapter 2

### PERFORMANCE INDICATORS

The following tables are prepared to provide an overview of the performance of the Mizoram PWD for the year 2014-2015 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	1,047.700	254.930	1,302.630
State Highway	213.450	0.000	213.450
Major District Road	611.400	5.000	616.400
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	205.594	714.912
City Road	253.656	43.754	297.410
<b>Total</b>	<b>3,845.561</b>	<b>2,188.188</b>	<b>6,033.749</b>

#### 2 ROAD ASSETS :

Road Assets	BT (km)	Un-Surfaced (Km)	Total length (Km)
State PWD Roads	3,845.561	2,188.188	6,033.749
Roads under BRO	759.925	286.690	1,046.615
Roads under CPWD	175.600	0.000	175.600
Roads under other Deptts	0.000	432.900	432.900
<b>Total</b>	<b>4,781.086</b>	<b>2,907.778</b>	<b>7,688.864</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	Bailey Bridge	46
5	Stiffened Steel Grinder Suspension Bridge	3
6	Timber Bridge	3
	<b>Total</b>	<b>119</b>

#### 4 PWD PLANT AND EQUIPMENT :

As per record of 2007, the followings were recorded in the Department.

Srl. No	Plant category	Number of Plant	Days of Use	Possible Days of Use	Utilisation %
1	Road Rollers	69	120	160	80
2	Excavator	17	180	220	70
3	Bull Dozer D 50 A-15	11	180	230	70
4	Bull Dozer D 80 A-12	2	180	230	70
5	Dozer D 6 H Caterpillar	1	180	230	70
6	Recovery Van	1	200	240	85
7	Mobile Van	1	140	240	63
8	Truck	23	200	240	83
9	Air Compressor	17	180	230	70
10	Stone Crushers	11	190	230	70
11	Paver Finisher	1	170	230	60
12	Marboar engine	1	10	240	40
13	Hot mix Plant 20-30 TPH	1	160	230	65
14	Hot mix Plant 10-15 TPH	2	160	230	65
	<b>Total</b>	<b>158</b>			

#### 5 BUILDINGS MAINTAINED BY PWD :

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 7688.864 km. Thereby; the road density in Mizoram is 36.463 km/100 sqkm.

#### 8. 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.		

### Chapter 3

## 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	Engineer-in-Chief	Tuikhuahtlang, Aizawl
2	Chief Engineer, Roads	Tuikhuahtlang, Aizawl
3	Chief Engineer, Highways	Tuikhuahtlang, Aizawl
4	Chief Engineer, Buildings	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

S/N	NAME OF OFFICE	LOCATION
6	Aizawl Mechanical Division	Laipuitlang, Aizawl
7	Lunglei Electrical Division	Rahsi Veng, Lunglei
8	Aizawl Electrical Division	Laipuitlang, Aizawl
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

<b>S/N</b>	<b>NAME OF OFFICE</b>	<b>LOCATION</b>
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
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

S/N	NAME OF OFFICE	LOCATION
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
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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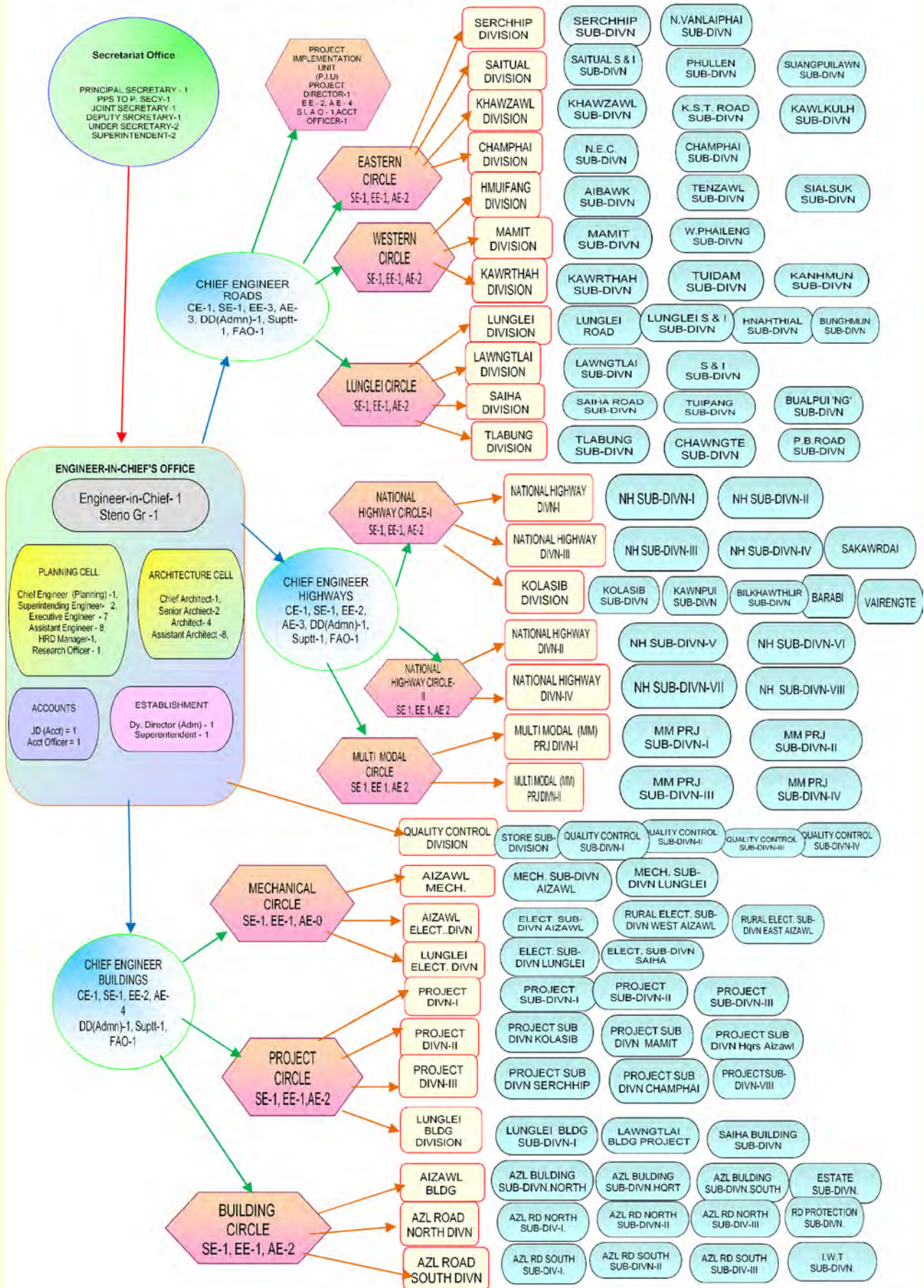
**Members of SUB-GROUP-III under RSMP : INSTITUTIONAL & HUMAN RESOURCE DEVELOPMENT**



**Standing L-R** : Er. C. Lalthlamuani, Shri. Ramesh Sahoo, Er. Eric Vanlalruata, Er. Lalnunema Tochwawng, Er. Lalhmingangi. **Sitting L-R** : Er. Lalrinawma, Er. Vanlalruata Sailo, Er. John Rammawia, Shri. Lallianhmuaka, Shri. G. Shivananda



# Organization Chart as on 31.03.2015



## Chapter 4

### 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 5

### 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 :

Due to the limitation of fund, major projects cannot be taken up. The works taken up from this fund are mostly improvement of the existing roads. The improvement of road works includes Re-surfacing, Metalling & Black Topping, construction and renovation of R/Wall, construction and renovation of culverts, easing of blind curves, improvement & widening, pavement works etc. Apart from funds for the World Bank, Aided Projects, NABARD Loan works which are earmarked, only ₹ 20.00 cr was available for the normal State Plan works.

Some of the achievement under this Fund may be shown as below :

IRQP & Resurfacing – 101 nos.  
Improvement & Widening – 32 nos.  
Pavement -71 nos.  
Culverts – 12 nos.  
R/Wall – 62 nos.  
Bridge – 1 no.  
Cell Filled Concrete – 1 no.

#### II. MAINTENANCE:

The total road Length maintained by PWD is 4731.00 kms during 2014-15 out of which 2798.00 kms of surfaced roads and 1933.00 kms of un-surfaced roads including 119 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. ₹ 26.00 crores were received from the 13<sup>th</sup> Central Finance Commission for normal Maintenance of Roads. Action Plan had been prepared for specific roads within the State during the year 2014-15. The achievements on action plan with TFC Funds may be summarized as below :

Resurfacing	=	128.49 kms
Patch Repair	=	196.38 kms
R/Wall	=	18 nos.
Hume Pipe Culverts	=	12 nos
Pavement	=	1.40 kms
Gabion Wall	=	51 nos

Further, ₹ 11.95 cr had been provided from the State Plan Fund and making a total of Rs 37.95 cr for the Maintenance Fund. The State Fund is utilized mostly for Periodic Maintenance type like renovation/reconstruction of road crust, resurfacing, protection works, etc.

### 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 other 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.

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
Priority No.III	:	Population 250-499	= 115
			<b>Total = 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:-

	<u>Sanctioned Amount</u>	<u>Fund received</u>
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)	= Rs. 28456.66	Rs. 5474.00 lakhs
<b>Total</b>	<b>= Rs. 97287.01 lakhs</b>	<b>Rs. 69576.33 lakhs</b>

#### Achievement as on March, 2015 is as follows:-

Length of Formation Cutting completed	:	1733.03 km
Length of Black Topping completed	:	421.54 km
Nos. of Habitations served	:	166 Nos.
Total Expenditure	:	Rs. 69062.69 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, three road packages viz.,Puilo-Chhawrtui (12.54 km), Lengpui-W.Serzawl (17.78 km) &Haulawng-Bualpui 'V' (24.60 km) are in progress and are expected to be completed shortly}*

**Phase VI :**

Length of New formation cutting	=	317.17Km
Length of Black Topping	=	20.90 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 VI Part- II :**

Length of New formation cutting	=	0.00 Km
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 :**

Length of New formation cutting	=	390.47Km
Length of Black Topping	=	0.00 Km
Nos. of Habitations served	=	42nos

*{In this phase, three road packages viz., Bunglemun – W.Mualthuam (12.50 km) &Bunglemun – Thaidawr (8.00 km) are in progress and are expected to be completed shortly}*

**Phase VII Part-II:**

Length of New formation cutting	=	0 Km
Length of Black Topping	=	13.31 Km
Nos. of Habitations served	=	0 nos



**EE, Mamit inspecting Cell-Filled Concrete Pavement of W. Phaileng-Damparengpui Road.**

## 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 two 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 two on-going projects and are as follows :

Srl. No.	Name of Work	Sanction Amount	Achievement		Remarks
			Financial	Physical	
1	2	3	4	5	6
1	Strengthening and Rehabilitation of W. Phaileng to Marpara Road (80.00 kms)	4,314.00	4192.00	85%	Work in progress
2	Pavement of Muallungthu - Khumtung Road (11.60 - 33.50 kmp)	1,971.00	723.00	10%	Work in progress



**Pavement of W. Phaileng-Marpara Road under NABARD**

### 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).

Sl No	Name of the Project	Project Cost & Date (revised)	Achievement		Remarks
			Financial	Physical	
1	2	3	4	5	6
1	Construction of Saitual-Saichal-NE Bualpui Road (36.60Kms)	4097.00 (rev), 16/9/2011	3,680.04	95%	Work in progress
2	Upgradation of Bairabi - Zamuang road (30.00 Kms)	3768.05 (rev), 16.9.2011	3,359.18	100%	Completed
3	Upgradation of Keitum to Artahkawn Road (34.00 Kms)	3230.00 (rev), 19/8/2011	3,212.03	100%	Physically Completed
4	Upgradation of Mamit to Bairabi Road (37.00 Kms)	3675.00 (rev), 13/9/2011	3,630.42	100%	Physically Completed
5	Upgradation of Saitual-Phullen Road (60.00 Kms)	5795.00 (rev), 13/9/2011	5,659.21	100%	Physically Completed
6	Construction of Tlabung - Kawrpuichhuah Road (16.42 Kms)	1416.00, 16/12/2005	1,330.97	100%	Physically completed with liabilities
7	Upgradation of Silchar-Dwarbon-Phaisen-Buhchang Road (9.30 Kms)	968.00 (rev), 16/9/2011	886.40	100%	Physically Completed

8	Construction of Dawrpuivengthar Cemetery	258.37, 01/02/2011	218.05	100%	Physically Completed
9	Upgradation of Thanlon - Singhat (Ngopa-Tuivai) Road (43.40 Km)	6767.00, 17/08/2010	4,111.11	90%	Work in progress
10	Upgradation of Serkhan - Bhaga Road (115.2 Km)	14863.00 (rev), 29/1/2014	6,869.36	60%	Work in Progress
11	Construction of ISBT at Chaltlang	946.00, 5/9/2003	888.46	100%	Physically completed with liabilities
12	Construction of Cultural Centre cum Auditorium at Vaivakawn	619.10, 31/1/2013	51.72	5%	Work started. Site development and foundation work started
13	Upgradation of KDZKT Road (88.50 Kms)	17963.00 (rev), 20/2/2015	-		Work order being issued

*This was based on the Quarterly Progress Report (QPR) of Quarter ending March 2015.*

#### 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 :-

Sl.No	Name of Work	Quantity	Sanctioned Amount ( Rs in crore)	Sanc. Year	Cumulative Achievement
1	2	3	4	5	6
1	i) Construction of Bailey Bridge over R.Tuisa on Kawlbem-Vaikhawtlang Road (40.00m)	40.00 Rm	2.48	2006	100%
2	ii) Construction of Bailey Bridge over R.Lunghmullui on Lengpui-Serzawl Road (50.00m)	50.00 Rm	1.91	2006	100%
3	iii) Construction of Bailey Bridge over R.Tuikum on Chhingchhip-Hmuntha Road (40.00m)	40.00 Rm	2.11	2006	100%
4	Construction of Bamboo Plantation Link road from Saiphal - Hortoki (0-27 Km)	27.00 Km	13.00	2006	74%
5	Construction of Bamboo Plantation Link road from Tuirial Airfield to Bukpui (0-40 Kms) Ph-I	40.00 Km	22.39	2006	37%



6	Construction of Bamboo Plantation Link road from Tuirial Airfield to Bukpui (40-84 Kms) Ph-II	44.00 Km	25.12	2006	43%
7	Construction of Road from Chuhvel to Sihthiang in Mizoram (0.00-11.00 Km)	11.00 Km	2.24	2011	100%
8	Construction of Khanpui - Tualbung Road Phase - I (0.00-7.00 Km)	7.00 Km	1.97	2011	60%
9	Construction of Jeepable suspension bridge over R. Chhimtuipui at Darzokai	1 No	2.16	2012	60%
10	Construction of Sihpui - Thuampui road in Mizoram (4.40 Km)	4.40 Km	2.48	2010	99%
11	Construction of Road from Ramthar 'N' - Ramhlun Sport Complex in Mizoram (2.86 Km)	2.86 Km	2.02	2010	89%
12	Construction of approach road to Tuivai from Mimbang and approach road to Godown at Kawlkuh (0.00-14.50 Km)	14.50 Km	3.67	2011	65%
13	Construction of Multi Complex Building Auditorium at PUC,Aizawl, Mizoram	1 No	2.85	2010	83%
14	Construction of Boys & Girls Hostel at Saitual and Thingsulthlah	2 No	1.90	2011	100%
15	Construction of Hnahthial - Haulawng via Zotui Road Ph-I (14.393 Km)	14.393 Km	15.16	2014	0.00%
16	Construction of 10 Nos. of Helipads in Mizoram.	Sanction Amount (in Lakhs)	Financial	Physical	
	1) Champhai	56.30	31.67	70.53%	
	2) Kolasib	6.32	0.00	100%	
	3) Lunglei	6.59	0.00	0%	
	4) Mamit	25.46	24.72	100%	
	5) Hnahthial	6.56	6.56	100%	
	6) Saitual	53.88	14.37	27.47%	
	7) Serchhip	36.27	0.00	35%	
	8) Thenzawl	57.14	nil	nil	
	9) Saiha	8.10	7.46	100%	
	10) Lawngtlai	1.58	1.58	100%	
	<b>Total</b>	<b>258.20</b>			
17	Upgradation of Lengpui Airport in Mizoram	2481.26	935.91	90%	

*This was based on the Quarterly Progress Report (QPR) of Quarter ending March 2015.*

## 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:-

The achievements made during 2014-15 are as follows:-

Sl. No.	Name of Projects	Sanctioned Amt. (Rs. in lakhs)	Financial	Sanctioned Year	Remarks
1	Improvement of Tuipuibari – W. Kawnpui Road ( 18.00 Kms)	2397.06	-	March-07	Fund not yet released by the Ministry

*This was based on the Quarterly Progress Report (QPR) of Quarter ending March 2015.*

## 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.

Sl. No.	Name of Work	Sanction Amount	Achievement		Remarks
			Financial	Physical	
1	2	3	4	5	6
1	Strengthening and Improvement of Aizawl – Reiek - W. Lungdar Road (Length = 37.00 Kms)	1,156.00	230.00	25%	Work in progress
2	Strengthening & Improvement of R. Tuipui - Biate Road (Length = 22.00 Kms)	880.00	175.00	30%	Work in progress
3	Improvement of New Vervek - Sakawrdai Road (Length = 7.00km)	256.00	256.00	100%	completed



**Strengthening & Improvement of Aizawl - Reiek - W. Lungdar Road under CRF**



**Resurfacing of Lunglei - Vanhne Road**

**Under TFC**

## Photographs showing Quality Inspection of Works







**Construction & Maintenance of Roads at Various Places**



**Bunghmun – W. Mualthum & Thaidawr under PMGSY**



Tuikum Bridge



Tuisa Bridge



Photo Collage

CONSTRUCTION OF BUSG BRIDGE OVER R. TUIKUM ON CHHINGCHHIP-HMUNTHA ROAD UNDER NLCPR

CONSTRUCTION OF BUSG BRIDGE OVER R. TUISA ON KAWLBEM-VAIKHAWTLANG ROAD UNDER NLCPR



CHHINGCHHIP SIDE



KAWLBEM SIDE



**Helipad at New Champhai under NLCPR**



**Improvement of works at ITI Junction (1. Grading & Levelling, 2. WBM, 3. Sub Grade Preparation, 4. Pre-mix Carpetting)**





**CELL-FILLED CONCRETE ROAD OF PMGSY : Mauzam – Puankhai Road (L=11.120 kms) of Chawngte Area under Tlabung Division**

1. Chainage 5.600 kmp & 2. Chainage 11.080 kmp.

**TRIAL Works : Preparation of Cell-Filled Concrete Pavement : Vaivakawn to Zotlang**

Best Worker under ARSD



CONSTRUCTION OF HELIPAD AT SERCHHIP UNDER NLCPR



CONSTRUCTION OF HELIPAD ( APPROACH ROAD & WAITING SHED) AT SERCHHIP UNDER NLCPR



**Construction of Thingfal-Mamte Road under PMGSY (Soil Stabilised based with Polymer)**



M& BT of B. Sangchem Road Phase-III at Lawngtlai-III

**Working at Night under heavy Traffic City**



**Trial Works PMGSY : Reinforced Cement Concrete Pavement, Vaivakawn to Zotlang Road**



Upgradation of Thanlon – Singhat (Ngopa – Tuivai) Road (43.40Km) under NEC  
a) Sanction Amount Rs. 6767.00 Lakhs (17.8.2010)  
b) Works Completed 90%



## Chapter 6

### 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 Theiriad 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 of 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 (Kawrupichhuah). 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 of 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 of 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 : Periodic Renewal (PR) Programme (under M & R),  
 C : Projects under SARDP-NE 'A' and  
 D : Revenue earned on HN Works.

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

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

Sl No	Name of work	Sanction cost Original/ Revised	Length in Km	Cum. Achievements on March, 2015		Present Status
				Fin	Phy.	
1	2	3	4	5	6	7
<b>A</b>	<b>ROAD</b>					
1	Geometric improvement of curves on NH-44A, Sairang to Lengpui Km 0/00- Km 11/00, L=7.15 km	488.80(O) Dt.31.3.12	7.15	229.92	65%	Work in progress

Sl No	Name of work	Sanction cost Original/ Revised	Length in Km	Cum. Achievements on March, 2015		Present Status
				Fin	Phy.	
1	2	3	4	5	6	7
2	IRQP on NH-44A from Km 0/00 - Km 11/00 (Length=11 Km) double lane road on NH 44A in the state of Mizoram. L=11.00km	893.52(O) Dt.25.9.12 934.00(R) Dt.18.7.14	11.00	867.72	98%	Physically completed.
3	Road marking, inforatory and cautionary signs between Km 0/00 to Km 11/00 on NH-44A. L=11.00 km	74.58(O) Dt.23.12.13	11.00	0.00	70%	Physically completed.
4	Compensation for Land Acquisition and shifting of utility servicies for proposed rockfall area bypass on Lengpui Airport Road via Lengte Road of NH-44A in the State of Mizoram. L=5.12 km	462.50(O) Dt.25.3.15	5.12	0.00	0%	In progress
5	Feasibility study and prepartion of DPR of Rock Fall Area bypass on Lengpui Airport road of NH-44A via Lengte. L=5.115 km	12.22(O) Dt.31.3.14	5.115	0.00	100%	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. L=60.00 km	37.42(O) Dt.2.1.09	60.00	32.32	90%	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. L=80.00 km	58.20(O) Dt.11.11.09	80.00	49.32	80%	Expenditure includes 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. L=28.30 km	786.00(O) Dt.31.3.10	28.30	391.43	50%	Bill for Forest Clearance is submmitted to RO Office
9	Construction of R/Wall & parapet at various locations between Km 0/00 to Km 30/00 & Km 60/00 to Km 130 on NH-150 in the State of Mizoram. L=0.512 km	515.86(O) Dt.23.12.13	0.512	23.36	40%	Payment is for mobilization adv.

Sl No	Name of work	Sanction cost Original/ Revised	Length in Km	Cum. Achievements on March, 2015		Present Status
				Fin	Phy.	
1	2	3	4	5	6	7
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. L=1.360 km	O:104.51 Dt.5.12.13	1.360	34.83	70%	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 NH54 during 2013-14 in the state of Mizoram. L=4.60 km	213.06(O) Dt.6.12.13	4.60	0.00	60%	Work in progress
12	Improvement of Accident prone locations at Km 474/500, 485/400 and 517/500 on NH54 in the state of Mizoram. L=1.473 km	300.00(O) Dt.19.12.13	1.473	142.01	100%	Work completed
13	Rehabilitation of sinking at Saiha Town km 24/00 to Km 27/380 on NH-54B. L=3.380 km	389.00(O) Dt.23.12.13	3.380	0.00	45%	Work physically completed
14	Miscellaneous Works on NH54 in the state of Mizoram for 2013 - 14 (SH:Construction of RCC Slab Culvert including construction of breast & toe wall, side drain and restoration of damaged pavement at Km 474/850 of NH54	50.42(O) Dt.14.12.13	-	0.00	100%	Work physically completed
15	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 NH54'B' in the state of Mizoram. L=0.11 km	226.80(O) Dt.6.12.13	0.11	0.00	26%	Work physically completed
16	Strengthening with Geometric improvement on NH-54 between km 520/00-Km 562/00. L=42.00 km	1449.00(O) Dt.19.12.13 1935.31(R) Dt.25.6.15	42.00	0.00	0%	Work in progress



Sl No	Name of work	Sanction cost Original/ Revised	Length in Km	Cum. Achievements on March, 2015		Present Status
				Fin	Phy.	
1	2	3	4	5	6	7
17	Reconstruction of 2.00m 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.	249.85(O) Dt.19.2.15	-	0.00	0%	Work awarded recently
18	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.	110.40(O) Dt.31.3.20 15	-	0.00	0%	Work awarded recently
19	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.	295.60(O) Dt.19.3.15	-	0.00	0%	Work awarded recently
<b>TOTAL OF ROADS NH(O)</b>				<b>1770.91</b>		
<b>B</b>	<b>BRIDGE</b>					
20	Construction of high level Prestressed Concrete bridge over River Tlawng at Km 5/220 on NH-44A in the state of Mizoram.	795.89(O) Dt.22.3.09	0.078	357.90	64%	Work stop due to erosion of rock below foundation.R FP issued for consultancy service for sub-soil investigation and remedial measure etc. Expected to complete by Dec 2016
21	Construction of high level Prestressed Concrete bridge over River Tut at Km 51/00on NH-44A in the state of Mizoram.	1313.80(O) Dt.2.3.08	0.128	521.81	70%	3-Girders at the midspan in progress. Approach road in progress.
<b>TOTAL OF BRIDGE</b>				<b>879.71</b>		

**B. STATUS OF PERIODIC RENEWAL (PR) PROGRAMME (under M&R head):**

SI No	Name of work	Sanctioned cost Original/ Revised	Cum. Achievements on March, 2015		Present Status
			Financial	Physical	
1	2	3	5	6	7
2	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	554.08	50%	Work in progress
3	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	0.00	0%	Tender evaluation stage
4	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	0.00	0%	Tender evaluation stage
5	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	913.99	35%	Work in progress
6	IRQP of NH-54 from Km 405/00 to Km 475/00 (Lunglei - Tuipang Sector) in Mizoram. (revised) Job No. TA-054-MZ-2013-14-092 Dt. 31.3.14	3402.21(O) Dt.31.3.14	80.36	5%	Work in progress
7	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	0.00	0%	Work in progress
8	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 Dt. 31.3.15	1481.56(O) Dt.31.3.2015	0.00	0%	Tender evaluation stage

9	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.	1665.67 (Anticipated vide MoRTH letter No.NH-13012/43/2015/MZ/P-8 Dt.23.11.15	-	-	Tender is being invited
10	IRQP from Km 80/00 to Km 110/00 (Length = 30.00 Km) on NH-6 (Kawlkuh to Khawzawl) during 2015-16 in the State of Mizoram.	1595.71 (Anticipated vide MoRTH letter No.NH-13012/42/2015/MZ/P-8 Dt.20.11.15	-	-	Tender is being invited
11	PR from Km 0/00 to Km 42/80 (Length = 42.80 Km) on NH-150 during 2015-16 in the State of Mizoram.	1371.15 (Anticipated vide MoRTH letter No.NH-13012/34/2015/MZ/P-8 Dt.20.11.15	-	-	Tender is being invited
12	PR from Km 184/00 to Km 204/00 (Length = 20.00 Km) on NH-54 during 2015-16 in the State of Mizoram.	1966.39 (Anticipated vide MoRTH letter No.NH-13012/41/2015/MZ/P-8 Dt.20.11.15	-	-	Tender is being invited

### C. Progress of Projects under SARDP-NE Phase 'A' :

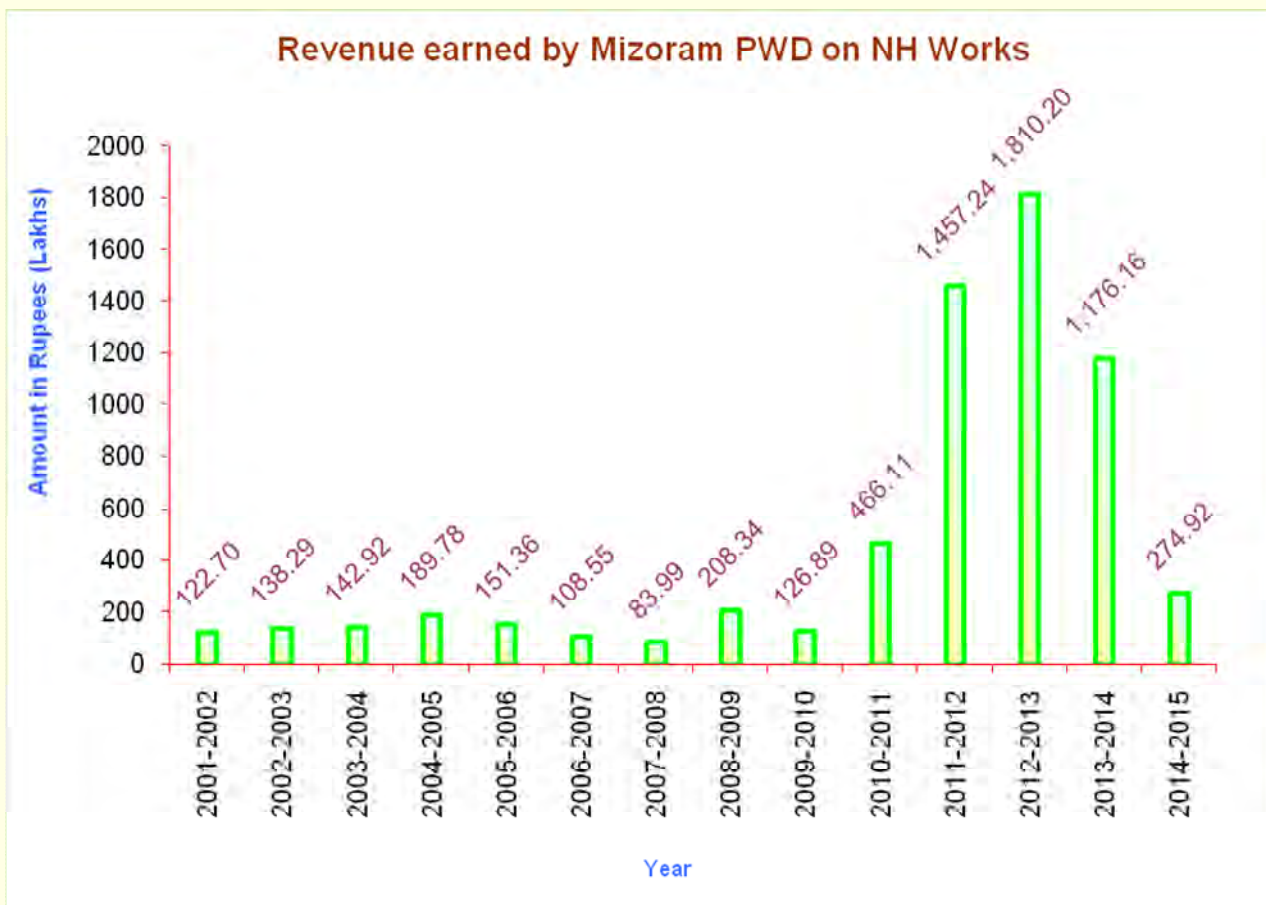
Sl. No.	Name of project	Salient Parameters						Achievement upto March, 2015	
		Road Length (Km)	Estimated cost (Rs in crore)	Date of Sanction	Date of Award of contract	Date of completion as per contract	Rev. Target Date of completion	Fin	Phy
1	2	3	4	5	6	7	8	9	10
<b>I. Phase A (EPC contract)</b>									
1	2-Laning of NH-54 from Km 118/00 to Km 133/00 (15Km) in the state of Mizoram under SARDP-NE Phase 'A'	15.000	O:61.71 R:84.53	2.5.2009(o) 23.7.13 (R)	23.7.2009	22.7.2011	30.11.2015	81.76	99%
2	2-Laning of NH-54 from Km 133/00 to Km 146/789 (14.789Km) in the state of Mizoram under SARDP-NE Phase 'A'	14.790	O:67.57 R:87.46	2.3.2009 28.1.13 (R)	5.4.2009	4.4.2011	April 2014	85.57	100%
3	Widening to 2 lane, re-alignment and geometric	104.00	O:624.41 R:713.50	25.11.2010 (O) 2.1.2015 (R)	02.03.11	17.03.14	31.07.15	174.13	26%

	improvement from Km 11/00 to Km 114/618 of NH 44A in Mizoram under Phase A of SARDP-NE								
4	Widening to 2-lane with geometric improvement of NH-154 from Km 89/00 to Km 105/00 in Mizoram	16	68.35 (O) 75.11 (R)	30.12.2008 (O) 27.9.13 (R)	26.02.2009	09.03.2011	15.03.2014	41.74	65%
5	Widening to 2-lane with Geometric Improvement of NH-154 from Km 119/00 to Km 147/00 in Mizoram	23	86.549 (O) 97.241 (R)	22.12.2008 (O) 27.9.13 (R)	11.02.2009	09.03.2011	30.12.2015	94.98	99%
6	Construction of a new 2-lane Highway from km 0.00 (on NH-54 near Lawngtlai) to km 38.00 (Length=38.00 Km) in Mizoram to support Kaladan Multi-Modal Transit Transport Project in Phase-'A' of SARDP-NE ( Package MM-I).	38.000	O:195.04 R:253.12	26.08.2010 (O) 27.9.2013 (R)	27.10.2010	10.11.2014	31.3.2017	167.45	59%
7	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)	33 (26.26 Revised Length)	O:186.96 R:207.05	26.8.2010 (O) 27.9.2013 (R)	27.9.2010	30.9.2014	31.3.2017	132.93	72%
8	Construction of a new 2-lane highway from km 71/00 to 99/83 in Mizoram to support Kaladan Multi Modal Transit Transport Project in Phase 'A' of SARDP-NE ( Package MM-III)	28.83 (Revised Length -27.520)	O:193.69 R:217.03	26.8.2010 (O) 27.9.2013 (R)	27.9.2010	30.9.2014	31.3.2017	130.47	56%

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

The Total Revenue earned on 9% Agency Chargees during the year 2014-15 received from HN Works was Rs 2,74,92,376.00 only. The amount received right from 2001 – 2015 is shown below in Table and Chart.

Sl. No.	Year	Amount in Rupees (in Lakhs)
1	2001-2002	122.70
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
	<b>Total</b>	<b>645,7.47</b>





**Pavement (Blacktop) with equipped Machineries**



**Roads of Southern parts of Mizoram**



**A part of Highways in Hilly Mizoram**



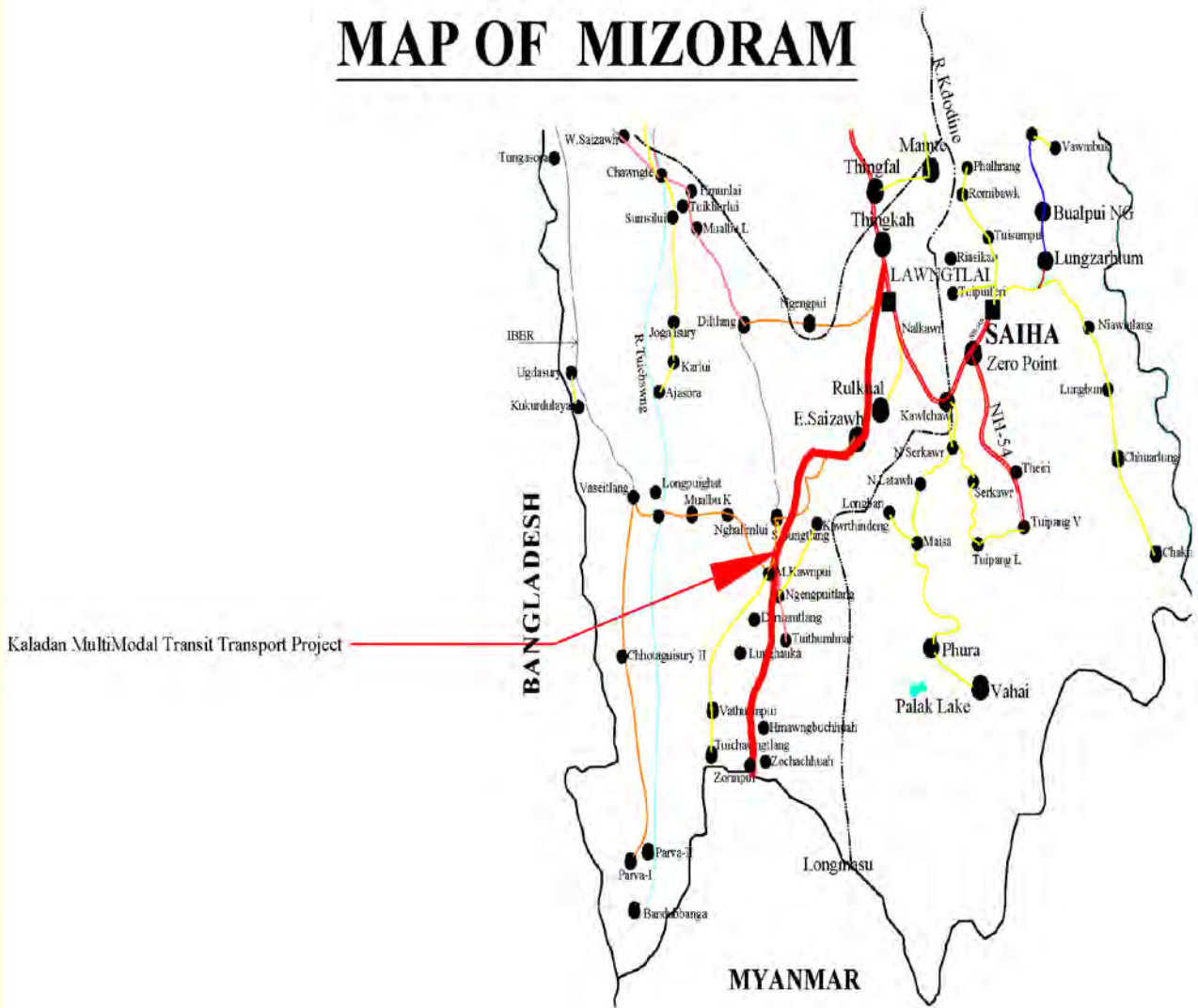
**Gabion Walls near River Tuitlawk.**



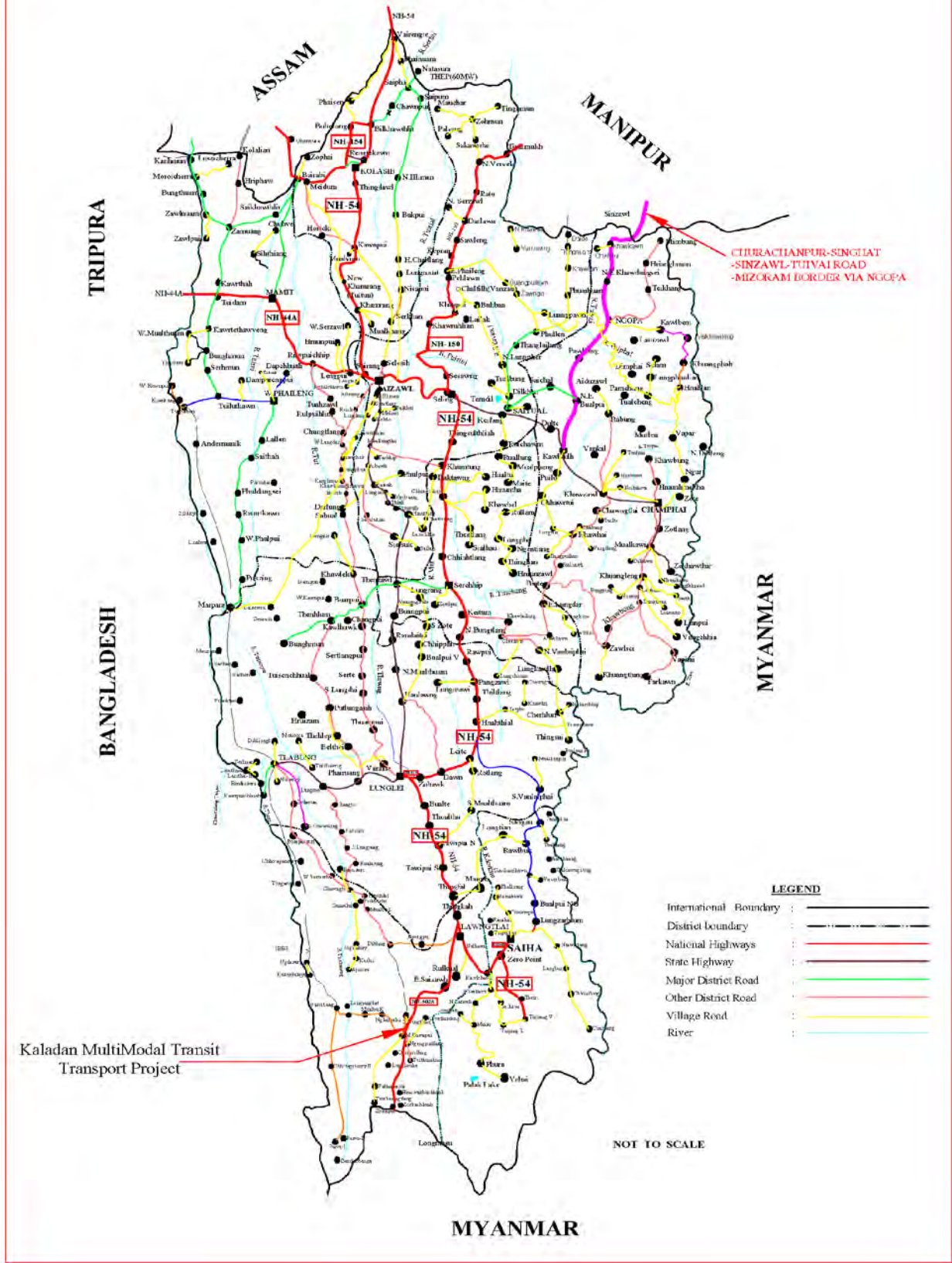
**Improvement of Hair Pin Bend on NH-54B (Entrance of Saiha Town)**



# MAP OF MIZORAM



# MAP OF MIZORAM



## Chapter 7

### ACHIEVEMENTS UNDER CHIEF ENGINEER (BUILDINGS)

#### I INTRODUCTION :

**1.0** 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*) 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 one (1) each of a Superintending Engineer (*Planning & Works*), Executive Engineer (*Planning & Works*), Executive Engineer (*Design & Research*) with supporting technical officers and staff. In addition, there are Accounts (*headed by Finance & Accounts Officer*) and Ministerial Staff (*headed by Deputy Director of Administration*) to assist the Chief Engineer in Financial Control and Administration.

Earlier, the Architecture Cell headed by a Senior Architect, under the Chief Engineer (*Buildings*) would carry out all architectural design of buildings to be constructed by PWD. However, with the expansion of Architecture Cell, now headed by a Chief Architect is under the direct control of the Engineer-in-Chief. All architectural designs completed by Architectural Cell are sent to Design Cell in the Chief Engineer (*Buildings*)'s Office, where detailed structural analysis is done and Structural Drawings issued to the Working Divisions for final construction. 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 one (1) 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. This task is headed by the Superintending Engineer, Building Circle assisted by two Working Divisions.

In addition to construction and maintenance of building works, the Chief Engineer (*Buildings*) is also entrusted with Maintenance of Roads within Aizawl City. There are two (2) Working Divisions to cater to these tasks.

Connected 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 Road and Building works alike.

## **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 and having 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 and four (4) Sub-Divisional Offices, all at Aizawl, undertakes construction work of all Government Offices and Residential Buildings within Aizawl City. It also takes up 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 three (3) Sub-Divisional Offices 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, it takes care of a few building construction works within Aizawl City, to shoulder part of the work load of Project Division-I.

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

Project Division-III, with its Divisional Office at Babu Tlang, has three (3) Sub-Divisional Offices 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 entrusted with the maintenance of Lengpui Airport and a few buildings within Aizawl City.

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

Lunglei Building Division, with its Divisional Office at Lunglei and three (3) Sub-Divisional Offices 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 job of the Chief Engineer (*Buildings*) is Maintenance of Roads and Government Buildings within Aizawl City. In the sphere of maintenance of Roads, the Superintending Engineer is assisted by two Working Divisions namely, Aizawl Road Division (*North*) and Aizawl Road Division (*South*) 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 of 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 runs 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 length of road under Aizawl Road North Division is 226.04 kms. Aizawl-Silchar BRO Road, Sairang Village and Tuirial Airfield.

### **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 include all VIP Bungalows occupied by Chief Minister, Speaker, Governor and all Cabinet Ministers.

## **2.3 MECHANICAL CIRCLE :**

Mechanical Circle is a specialised team who caters to the needs of those constructing buildings and maintains roads.

### **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 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.

## **3.0 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 and its maintenance or maintenance of machineries.

## II. GOV'T HOUSINGS CONSTRUCTED BY PWD :

Different departments, under Government of Mizoram also receive funds from the Government of India and transfer these funds to PWD for the execution of the works. During the period under report, the following buildings of various departments were taken up:

### 1 LAW & JUDICIAL DEPARTMENT :

*Rs. in lakhs.*

Sl. No.	Name of Scheme/Work	Estd. Amount	Expdr. during the year	Cum. Expdr.	Status as on March 2015
1	Construction of Alternate Dispute Resolution Centre at New Secretariat Complex, Aizawl	85.68	54.22	93.46	100%
2	Construction of Chief Justice Quarters Type-VIII at Aizawl	190.19	0.00	0.00	-
3	Construction of Chief Judge Quarters Type-VIII Block-I at Aizawl	168.46	0.00	0.00	-
4	Construction of Chief Judge Quarters Type-VIII Block-II at Aizawl	211.62	0.00	0.00	-
5	Construction of District Court Building at New Secretariat Complex, Aizawl	2276.12	0.00	0.00	-
6	Construction of Judicial Officer's Quarters at Kolasib	346.00	9.31	9.31	
	i) Construction of Chief Judicial Officers Qtr.at Kolasib				60%
	ii) Construction of Senior Civil Judge (Grade-II) Qtrs.at Kolasib				40%
	iii) Construction of Judicial Staff Qtrs.Type-III (4units) at Kolasib				60%
	iv) Construction of Judicial Staff Qtrs. Type-II (4 units) at Kolasib				60%
	v) Construction of Internal Road (Pavement work, side drain & Retaining Wall)				15%
	vi) Construction of Bounder (Brabed wire) Fencing, Steel Gate and Sentry		0%		
7	Construction of Chief Judicial Magistrate-cum-Senior Civil Judge Court Building at Serchhip	207.56	24.30	168.49	100%

**2 SCIENCE & TECHNOLOGY DEPARTMENT :**

1	Construction of Directorate Building at New Secretariat Complex, Aizawl	583.53	78.35	503.03	80%
2	Construction of Innovation Hub with Dia-Astronomy & Space Science Exposition Theatre for Sub-Regional Science Centre at Aizawl	230.14	43.09	43.09	39%

**3 GENERAL ADMINISTRATION DEPARTMENT :**

1	Construction of Boundary Wall (Brick Fencing) at Proposed Mizoram House at New Shillong	12.79	0.00	0.00	-
2	Construction of Mizoram House at Imphal (SH : Fencing & Sand Filling) and Construction of Mizoram House at Churachandpur (SH : Vertical Extension of Boundary Wall Fencing)	33.77	0.00	0.00	-
3	Construction of Security Gate & Guard Barrack at New Capital Complex, Aizawl	27.66	0.00	0.00	75%
4	Construction of 2nos. DC Staff Quarters (Type-IV) at Mamit	120.00	0.00	0.00	A/A obtained
5	Construction of SDO (Civil) Office at Thenzawl	72.96	41.54	72.96	100%
6	Construction of SDO (Civil) Staff Quarters at Thenzawl	65.00	0.00	0.00	A/A obtained
7	Construction of Auditorium Building at Thenzawl	499.99	0.00	0.00	A/A obtained

**4 TRADE & COMMERCE DEPARTMENT :**

1	Construction of Mission Veng Bazar Complex at Mission Veng, Aizawl	525.55	0.00	0.00	1%
2	Construction of Market Building at Vairengte	139.55	0.00	0.00	A/A obtained

**5 HIGHER & TECHNICAL EDUCATION DEPARTMENT :**

1	Construction of Academic Building for Upgradation of Commerce Stream at Govt. Aizawl College, Mualpui Salem Veng, Aizawl	255.41	77.73	207.25	80%
2	Construction of MICE School Building at Aizawl	46.00	0.00	2.53	2%
3	Construction of Polytechnic at Thingdawl	800.00	14.58	800.00	
	a) Construction of Administrative Building				100%

	b) Construction of Textile Technology Building				100%
	c) Construction of Automobile Engineering Building				100%
	d) Construction of Common Facility Building				100%
	e) Construction of Approach Road				100%
4	Construction of Polytechnic at Mamit	800.00	268.99	722.74	
	a) Administrative Building				99%
	b) Hostel Building				100%
	c) Type-IV Qtr. (1 unit)				100%
	d) Type-III qtr. (3 units)				100%
	e) Type-II Qtr. (2 units)				100%
	f) Site Development				100%
5	Construction of Boys' Hostel for Govt. Zirtiri Residential Science College at Durtlang Leitan	85.16	0.00	69.81	98%
6	Construction of Girls' Hostel for Govt. Zirtiri Residential Science College at Durtlang Leitan	85.16	0.00	80.82	100%
7	Construction of Library Building for Govt. Zirtiri Residential Science College at Durtlang	144.44	46.18	46.18	31%
8	Construction of Main Building Block-I for Govt. Zirtiri Residential Science College at Durtlang	650.00	0.00	0.00	A/A obtained
9	Construction of DIET Institution Building at Kolasib	102.95	0.00	0.00	A/A obtained
10	Construction of DIET Institution Building at Mamit	107.47	0.00	0.00	A/A obtained
11	Infrastructure Development of 10 (ten) Colleges within Mizoram				
	a) T. Romana College	137.57	45.57	71.64	75%
	b) Johnson College	135.62	61.54	61.64	58%
	c) Kolasib College (Main Building)	129.24	0.00	29.83	90%
	d) Kolasib College (Hostel Bldg)	59.41	5.41	23.79	100%
12	Construction of Govt. Serchhip College Building with Hostel	139.88	0.00	110.35	100%
13	Infrastructure Development of Aizawl North College	135.62	45.00	98.63	100%
14	Construction of JB College at Lunglei	140.00	51.38	105.01	100%
15	Construction of Govt. Hnahthial College	155.35	51.45	105.08	100%
16	Construction of Boys and Girls Hostel at Saiha	41.97	0.00	25.11	100%



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

1	Construction of Multi-Level Parking, Community Centre & Office Complex at Aizawl North	1102.45	44.01	44.01	-
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**7 SCHOOL EDUCATION DEPARTMENT :**

1	Construction of DIET Hostel Building at Aizawl	170.44	0.00	0.00	-
2	Construction of Boys and Girls Hostel at Saitual and Thingsulthliah	189.98	67.97	143.51	100%

**8 HOME DEPARTMENT :**

1	Construction of Police Building at Kawrthah	66.00	33.75	33.75	94%
2	Construction of Police Station at Marpara	66.00	0.00	66.00	100%
3	Construction of Police Station at Kolasib	66.00	9.02	66.00	100%
4	Construction of Border Out-Post at Zophai	58.40	58.40	58.40	
	a) Type-II Quarters with Kitchen				100%
	b) 30-Men Barrack				100%
	c) Security Fencing				100%
5	Construction of Border Out-post at Phaisen	53.40	53.40	53.40	
	a) Type-II Quarters with Kitchen				100%
	b) 20-Men Barrack				100%
	c) Security Post & Fencing				100%
6	Construction of Police Out-Post at Zawlnuam	32.00	0.00	32.00	100%
7	Construction of Police Quarters Type-III at Sakawrtuichhun	115.00	50.00	50.00	45%
8	Construction of Police Quarters Type-II at Sakawrtuichhun	87.12	40.00	40.00	37%
9	Construction of Police Station Building at Vairengte	173.07	0.00	0.00	A/A obtained
10	Construction of Police Quarters Type-II (4 units) at Vairengte	87.12	0.00	0.00	A/A obtained
11	Construction of Commandant, 1st. IR Bn. Building (Phase-I) at Mualvum	143.00	0.00	0.00	A/A obtained
12	Construction of Recreation/ Conference Hall at PTS, Thenzawl	85.00	0.00	0.00	A/A obtained

13	Construction of 60-Men Barrack, (2-storeyed) with Kitchen-cum-Dining Hall at PTS, Thenzawl	120.00	0.00	0.00	A/A obtained
14	Construction of Fire Station-cum-Quarters, Water Reservoir and Fencing at Kolasib	200.09	0.00	0.00	A/A obtained
15	Construction of Fire Station-cum-Quarters, Water Reservoir and Fencing at Mamit	176.40	0.00	0.00	A/A obtained
16	Construction of ACB office Building at Aizawl	455.57	138.03	448.14	100%
17	Construction of Police Station Building at Serchhip	57.20	1.10	43.43	100%
18	Construction of Police Building at N. Vanlaiphai	65.20	44.50	44.50	100%
19	Construction of Fire Station Building including Quarters, Water Reservoir and Brick Wall Fencing at Champhai	224.61	86.88	168.38	100%
20	Construction of Police Station Building at Sangau	73.20	4.50	72.33	100%
21	Construction of Police Building at N. VanlaiphaiBorapansury	73.20	16.03	59.70	90%

#### **9 INFORMATION & PUBLIC RELATIONS DEPARTMENT :**

1	Construction of I & PRO Office Building at Kolasib	80.47	0.00	80.47	100%
2	Construction of I & PRO office Building at Mamit	127.17	0.00	75.32	100%

#### **10 FOOD, CIVIL SUPPLIES & CONSUMER AFFAIRS DEPARTMENT :**

1	Construction of Storage Godown at : i) Kawrthah	52.26	1.00	36.00	100%
	ii) Rawpuichhip	52.26	0.00	32.47	100%
	iii) Lungdai	52.26	17.50	35.00	100%
2	Construction of FCS & CA Deptt. Quarters at Mamit and P&E Dept. Staff Quarters at Aizawl	68.22	0.00	0.00	A/A obtained
3	Construction of 17 nos. Storage Godowns in various locations	489.64	279.80	279.80	100%

#### **11 FISHERIES DEPARTMENT :**

1	Construction of DFDO's Office Godown at Kolasib	127.15	4.74	44.27	82%
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**12 HEALTH & FAMILY WELFARE DEPARTMENT :**

1	Construction of PHC at Tuipuibari	96.24	14.30	96.25	100%
2	Construction of 200-bedded Hostel for Mizoram College of Nursing at Falkawn. Block-I & II	1169.80	11.25	11.25	30%
3	Construction of PHC Building at Sairang	94.50	0.00	0.00	A/A obtained
4	Construction of PHC Building at W. Phaileng	121.30	0.00	0.00	A/A obtained
5	Construction of PHC Building at Kangmun	121.30	0.00	0.00	A/A obtained
6	Construction of 2 nos. Type-II Quarters at Thingsulthliah	35.73	25.75	25.75	100%
7	Construction of 50-bedded CHC Hospital at Lawngtlai	220.00	72.36	220.00	100%

**13 FINANCE DEPARTMENT :**

1	Construction of Treasury Office at Mamit	110.80	0.00	0.00	12%
2	Construction of Treasury Office at Kolasib	99.00	0.00	0.00	12%

**14 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	519.61	791.43	Work in progress
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**15 PUBLIC WORKS DEPARTMENT :**

1	Construction of SDO, PWD Office at Kolasib	39.90	39.47	39.47	100%
2	Construction of Combined SDO PWD Building & Highway Office at Mamit	79.14	30.00	30.00	100%
3	Construction of SDO (Bldg) Office at Mamit	49.14	46.00	46.00	100%
4	Construction of PWD Staff Quarters at Kolasib	97.58	61.86	98.00	100%
5	Construction of PWD Staff Quarters Mamit	137.48	92.60	137.00	100%
6	Construction of PWD Staff Quarters at W.Phaileng	57.10	40.06	57.10	100%
7	Construction of PWD Staff Quarters Sialsuk	57.10	39.20	57.10	100%

8	Construction of Additional Floor for Functional Staff Quarters for E-in-C Office including Parking at Tuikhuahtlang	188.30	2.84	176.89	100%
9	Construction of SDO, PWD Office Building at Serchhip	53.49	34.96	48.65	100%
10	Construction of PWD Staff Quarters at Serchhip	37.22	33.26	33.26	100%
11	Construction of PWD Staff Quarters at Kawlkulh	37.22	19.84	32.49	100%
12	Construction of PWD Staff Quarters (Type-I, II and III) at Saiha	89.78	18.99	88.78	100%
13	Construction of Staff Quarters (Type-II - 2 units) at Lawngtlai	84.24	54.55	82.92	100%
14	Construction of Staff Quarters at Hnahtial	92.21	66.83	91.05	100%
15	Construction of SDO, PWD Office at Lawngtlai	93.00	60.80	90.95	100%
16	Construction of SDO (NH) Office at Hnahtial	107.00	69.82	105.25	100%
17	Construction of NH Division/Sub-Division Office at Lunglei	195.88	3.40	195.99	100%

#### 16 TAXATION DEPARTMENT :

1	Construction of Superintendent of Taxes Office building with attached Quarters & Rest House at Kolasib	280.75	0.00	0.00	30%
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#### 17 PUBLIC HEALTH ENGINEERING DEPARTMENT :

1	Construction of State Referral Institute (State Public Health Lab) at Zuangtui	42.26	0.00	0.00	10%
2	Construction of PHED Quarters Type-IV at Mamit	65.00	0.00	0.00	A/A obtained
3	Construction of Type-IV Quarters at Saiha	36.44	16.49	36.00	100%

#### 18 ART & CULTURE DEPARTMENT :

1	Construction of Mizoram State Museum at New Secretariat Complex, Aizawl	362.25	0.00	285.00	100%
2	Construction of Auditorium-cum-Library at Suakphunga's Site at Hliappui	119.55	67.86	115.89	100

**19 TRANSPORT DEPARTMENT :**

1	Construction of Inter-State Bus Terminus at Chaltlang	946.47	0.00	888.50	100%
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**20 TOURISM DEPARTMENT :**

1	Construction of Hotel Management Institute Building at Bung Bangalow	800.00	255.23	775.02	100%
2	Construction of Tourist Lodge at Serchhip	172.62	34.40	172.02	100%

**21 MINOR IRRIGATION DEPARTMENT :**

1	Construction of EE, Minor Irrigation Dept. Quarters (Type-V) at Serchhip	37.28	2.36	37.28	100%
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**22 WORK UNDER CENTRAL ROAD FUNDS (CRF):**

1	Strengthening and Improvement of Aizawl-Reiek- W.Lungdar Road (0/00-37/00 kms)	1155.83	230	230	25%
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**III. ACHIEVEMENT OF MECHANICAL CIRCLE :**

The Mechanical wing of Mizoram PWD has been functioning at Laipuitlang, Aizawl headed by Superintending Engineer. 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 :**

This Mechanical Division 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 158 Nos. of construction machineries and equipments under the department (recorded in 2007).

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.

**PWD Plants & Equipments (recorded in 2007):**

S/N	Plant Category	No of Items	Days of used	Possible days of used	Utilisation %
1	Road Rollers	69	120	160	80
2	Excavator	17	180	220	70
3	Bull Dozer D 50 A-15	11	180	230	70
4	Bull Dozer D 80 A-12	2	180	230	70
5	Dozer D 6 H Caterpillar	1	180	230	70
6	Recovery Van	1	200	240	85
7	Mobile Van	1	140	240	63
8	Truck	23	200	240	83
9	Air Compressor	17	180	230	70

10	Stone Crushers	11	190	230	70
11	Paver Finisher	1	170	230	60
12	Marboat Engine	1	10	240	40
13	Hot Mix Plant 20-30 TPH	1	160	230	65
14	Hot Mix Plant 10-15 TPH	2	160	230	65
<b>Total no. of Plants/Items=</b>		<b>158</b>			

### 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 :

This Division is under the direct control of Engineer-in-Chief. 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.



**BOYS HOSTEL AT SAITUAL**



**BOYS HOSTEL AT THINGSULTHLIAH**



**GIRLS HOSTEL AT THINGSULTHLIAH**



**Construction of Auditorium cum Library at Suakphunga's site at Hliappui**



Pic: Chief Judicial Magistrate cum Senior Civil Judge Court Building at Serchhip



**Construction of Fire Station at Champhai**





**Construction of Mizoram State Museum at New Secretariat Complex**



**Construction of Storage Godown at Biate**



**Construction of Storage Godown at Saitual**



**Construction of Storage Godown at Sakawrdai**



**Retrofitting of Printing & Stationery Buildings**



**Construction of Tourist Lodge at Serchhip**



**Govt. Aizawl North College**



**IPRO Building, Kolasib**



**Polytechnic Thingdawl (Administrative Block)**



**Science & Technology Building at New Secretariat Complex**



**Construction of Govt. J. Buana College at Lunglei**

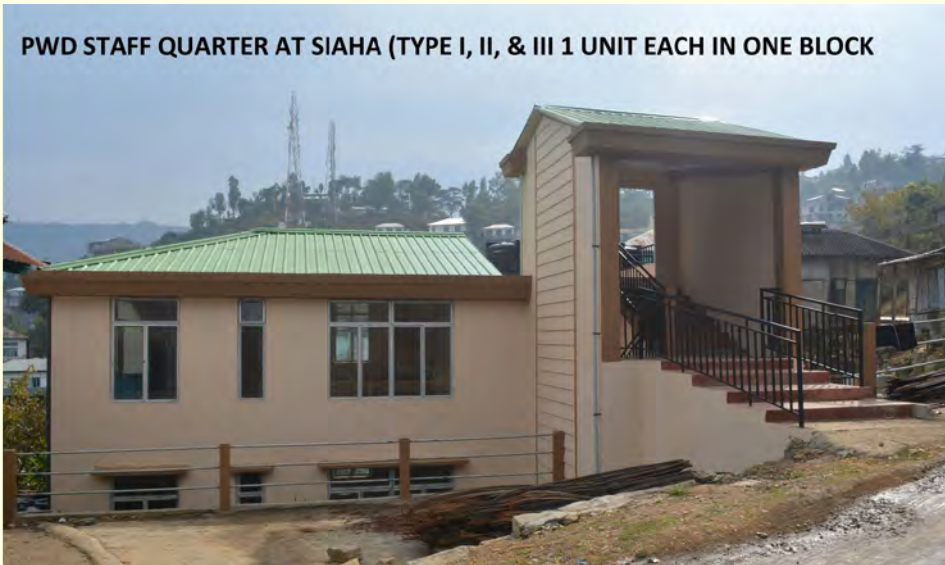


**Construction of Police Station of Borapansury**



**Construction of National Highway Division Office at Lunglei**

**PWD STAFF QUARTER AT SIAHA (TYPE I, II, & III 1 UNIT EACH IN ONE BLOCK)**



**Construction of 50 Bedded (CHC) Hospital at Lawngtlai**



**EE (PHED) QUARTER AT SIAHA (TYPE IV 1 UNIT)**



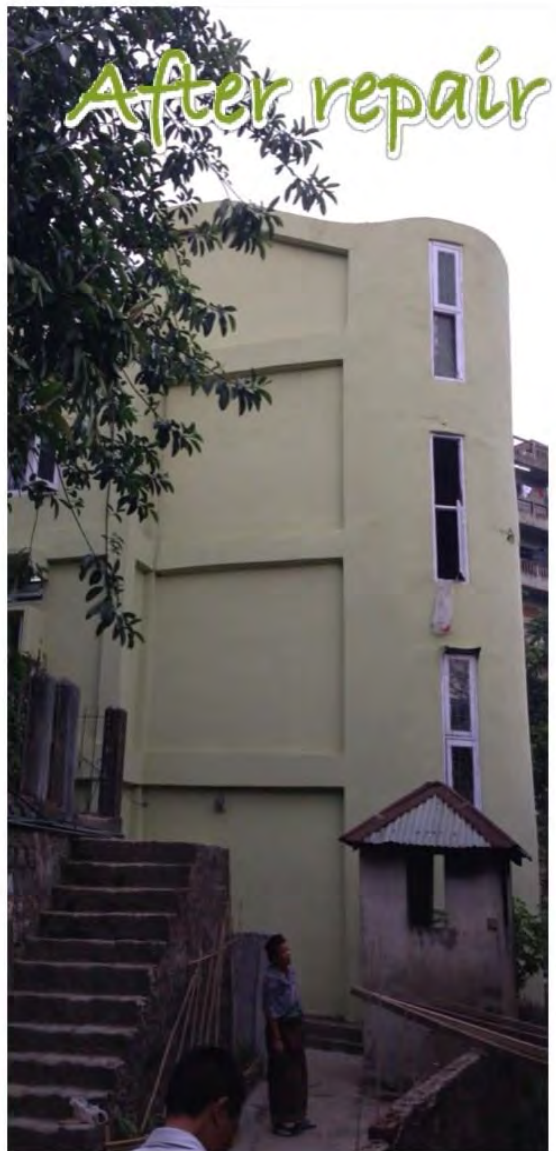
**Govt. Hr. Sec. School, Aizawl**



**POLICE STATION AT SANGAU**







**Documented records are nowadays beneficial in any kind of works**

## Chapter 8

### ACHIEVEMENTS Under Architecture Cell

The Architect Cell is functioning under Engineer-in-Chief's Office. Recently, it was shifted to a separate Office Building. Works are increasing day by day and have gone through with a less number of Officers and Staff. The achievements under Architecture Cell may be shown in month-wise as below ;

#### APRIL, 2014

Sl. No.	Name of Project	Stages of Drawing
1	SDO(Civil) Office , Thenzawl, ACB at New Secretariat Complex, Aizawl	Colour Scheme
2	100 Bedded Civil Hospital at Saiha	Preliminary drawing
3	PWD Staff Quarters & EE (PHED) Quarters at Saiha, Eklavya residential School (Boys Hostel)	Working drawing
4	PHE Laboratory Building, Auditorium at Vaivakawn, Hostel Building at DIET, Chaltlang, Multipurpose at SCERT, Chaltlang.	Site Survey

#### May, 2014

1	Boys hostel for Govt. Zirtiri Residential Science College at Durtlang Leitan & Tourist Lodge at Serchhip, Convention Centre at Berawtlang, <b>Main Hall Interior</b>	Colour Scheme
3	Boys Hostel for Polytechnic at Mamit, SDO Qtrs (NH Sub-Division) PWD at Mamit, SDO Qtrs (Building Project) PWD at Mamit, Administrative & Academic Block for Polytechnic at Mamit, Taxation Building at Aizawl, Judicial Qtrs at Champhai, Girls hostel for ITI, Lunglei.	Inspection Report
4	Market Building at Vairengte	Preliminary Drawing
5	SDO, PWD (Bldg) Office at Mamit, SDO, PWD at Champhai, SDO, PWD at Kolasib, SDO, PWD at Serchhip, Heritage Centre at Lunglei, Police Station at Tuipang, Police Station at Borapansury, Police Satation at Sangau,	Working Drawing
6	Mizoram Law College at Luangmual	Detail Drawing
7	Fire Station Cum Quarters at Kulikawn	PAR for estimate
8	Central Police Workshop, DIET Building, Mamit	Site Survey
9	Auditoruim at Vaivakawn	Layout
10	DIET Building Kolasib, DIET Building at Saiha, DIET Building at Lawngtlai, DIET Building at Lunglei, Police Station at Lunglei.	Survey
11	MIZOFED, New Capital	Boundary pillar

#### JUNE, 2014

1	Judicial Staff Quarters Type-I, II & III (4units each) at Kolasib, Library Building for Zirtiri Residential College at Zotui, Durtlang, Treasury Office at Saiha	Tender drawing
2	SDO, PWD (NH) Quarters (I unit) at Mamit , Rajiv Gandhi Stadium at Mualpui, Aizawl, Staff Quarters Type-I, Block-K&L at Raj Bhavan, Treasury Square, Staff Quarters Type-II, Block-e,F&J at Raj Bhavan, Treasury Square.	Detail Drawing
3	Market Building at Vairengte, Remodelling of E-in-C, PWD , Office at Tuikhuahtlang, PWD Staff Quarters Type-III (2Units) at Lawngtlai, CE's Office, Minor Irrigation Department.	Revised Preliminary Drawing
4	Chief Judicial Magistrate Cum Senior Civil Judge Court Building at Serchhip	Working drawing
5	100 Bedded Civil Hospital at Saiha	Site Survey

#### JULY, 2014

Sl. No.	Name of Project	Stages of Drawing
1	DAO Office Building at Serchhip, PWD Staff Quarters at Hnahthial (Type-I,III Iunit each)	Tender Drawing
2	Govt. Khawzawl College, Development of Tourist destination at champhai, PWD Staff Quarters at Saiha	Detail Drawing

3	Institution Building at Champhai, Serchhip, Lawngtlai, & Saiha, Govt. Aizawl College Building at Mualpui, Multipurpose Building at SCERT,Chaltlang	Preliminary Drawing
4	Polytechnic at Saiha	Revised Preliminary Drawing
5	Polytechnic at Lawngtlai, Interior Design for Raj Bhavan, Polytechnic at Lawngtlai Type IV quarter, Directorate Building Taxation Department at NSC	Working Drawing
6	Govt. Aizawl Cllege at Mualpui, Convention centre at Reiek, Fire station at Serchhip, Raj Bhavan at Upper Republic, Ramhlun Leimin, Mamit DIET, Fire Station at Kolasib.	Survey
7	Auditorium at Vaivakawn	Layout

#### AUGUST, 2014

Sl. No.	Name of Project	Stages of Drawing
1	100 Bedded Civil Hospital at Saiha, E-in-C, P& E Office Building at Aizawl, Market Building at Vairengte, College Auditorium at Lunglei Govt.College	Tender Drawing
2	Anti Corruption Bureau at New Secretariat Complex	Inspection note
3	E-in-C, P&E Office Building at Aizawl, Govt.Saitual College(Academic Building), Govt.Saitual College(Hostel Building), Type-II,6Units for Medical staff Quarters at Thingsulthliah, Type-IV for Medical staff Quarters at Thingsulthliah, Medical Staff Quarters Tye-IV at Saitual, Medical Staff Quarters Tye-II at Saitual, Boys Hostel for H/s at Saitual, Girls Hostel for H/s at Keifang, Boys Hostel for H/s at Thingsulthliah, Girls Hostel for H/s at Thingsulthliah, Type-II,4units for Saitual Police Complex, 500 Mt Godown at Saitual, Fire Station at ITI, Additonal secretariat Building NSC, Khatla, Minor irrigation Dept.at NSC, Directorate of Tourism Department, Agriculture Quality Control,	Inspection
4	Fire Station at Mamit, Hostel Building for Kolasib DIET, Security Arrangements at NSC, Security Arrangements (Gate. No-3)at NSC, Hostel Building for Lunglei DIET,	Preliminary Drawing
5	Officers and Staff Quarters at Champhai, Taxation Department	Concept paper
6	Govt. J.Thankima College	Revised Tender Drawing
7	Institutional Building at Serchhip DIET, Directorate Building Science and Technology at NSC	Revised Preliminary Drawing
8	Tourism Directorate Building	Colour Scheme
9	Govt.Quarters(Type-I) at Shivaji Tillah	Kitchen Detail Drawing
10	Polytechnic at Lawngtlai (Hostel Block)	Detail Drawing
11	Directorate of Science and Technology at NSC	Site Survey
12	Library Building at Zirtiri Residential College	Layout
13	Chief Controller of accounts Office Building at NSC	Site Map
14	Mizoram Rural Bank at NSC	Site map for
28	Fire Station at Kulikawn	survey
29	New Secretariat Complex	Site Plan

#### SEPTEMBER, 2014

Sl. No.	Name of Project	Stages of Drawing
1	Govt. Aizawl North College, Directorate of Fisheries Department, Govt. T.Romana College, Fire Station at ITI, Construction of MPSC Examination Hall at NSC, Khatla, Type-II Quarters at Raj Bhavan Block-J,	Inspection Report
2	Officers and Staff Quarters at Champhai, Taxation Department	Concept paper
3	SDO, PWD (Bldg.) office at Kolasib, SDO, PWD (Bldg.) Office at Serchhip, SDO, PWD (Bldg.) office at Champhai, Eklavia Model Residential School at Serchhip, Transport Directorate Building at Tuikual, Rajiv Gandhi Stadium at Mualpui(West Wing staircase), Handicapped Toilet, Rajiv Gandhi Stadium at Mualpui(West Gallery), EE(PHED) Quarters at Saiha,	Detail Drawing
4	Institutional Building for Mamit DIET, Fire Station at Serchhip, State Referral Institute at Zuangtui, Academic Building under Graduate Commerce Stream at Mualpui,	Preliminary drawing
5	Construction of Library building Zirtiri Residential School, Construction of SE, PHE Watsan Circle Office at Sesih Tlang, PWD Staff Qtrs at Lawngtlai	Working Drawing

6	Institutional Building for DIET Champhai, Multipurpose Building for SCERT, Directorate of Science & Technology at New Secretariat Complex,	Tender Drawing
7	Judicial Quarter at Kolasib, Govt. J.Thankima College, MCON Hostel Block at Falkawn	Layout
8	Mizoram Rural Bank at New Capital Complex, DIET at Chaltlang, Aizawl, Market Building at Mission Veng	Survey

#### OCTOBER, 2014

Sl. No.	Name of Project	Stages of Drawing
1	Suakphunga Heritage Centre at Hliappui, Type-IV Quarters (EE, PHED) at Saiha, Type-I Quarters for Zobawk Sports Complex, NH, Division at Lunglei PWD Complex, Govt. Aizawl West College, Fire Station Building at PHQ, Khatla, Cultural Heritage Building at Venglai, Lunglei, PWD Staff Quarters (Type-I,II,III) at Saiha,	Inspection Report
2	Construction of Hostel Building at Aizawl DIET, Type-IV Qtrs (3Units) at Civil Hospital Saiha	Preliminary Drawing
3	Institutional Building at DIET Kolasib, Hostel Building Lunglei DIET, Institutional Building for Saiha DIET, Academic Building for under Graduate commerce Stream at Mualpui	Tender Drawing
4	Construction of Govt. T.Romana College, 200 Bedded Hostel Block I&II at Saiha	Working Drawing
5	Mizoram House at Kolkata	Compln Drg with FAR Calculation
6	Rajiv Gandhi at Mualpui (Western Gallery)	Detail drawing
7	Type-II Qtrs at PTS, Thenzawl, Type-II Qtrs (4Units) at 3rd Bn. MAP Mualpui Complex, Type-II Qtrs at 4Units at 2nd Bn. MAP, Luangmual Lunglei, Type-III Qtrs (4Units) at 3rd Bn. MAP Mualpui Complex, Type-III Qtrs (4Units) at 1st MAP, Armed Veng	Prelim Cum Tender
8	Type-II Quarters (4Units) at Sakawrtuichhun) Building, ADR Building at NSC Building, Commerce Building (GAC) Mualpui, Building,	Layout
9	H.S.S at Kawlbem	Survey
10	H.S.S at Kawlkulh, Polytechnic Quarter at Saiha, PHC at Haulawng, Type-II Qtrs at PTC Thenzawl, Recreation Hall Cum Barrack at PTC Thenzawl	Contour Survey

#### NOVEMBER, 2014

1	Multi-Complex at Pachhunga University, Govt.Serchhip College (Building & Boys Hostel), Convention Centre at Berawtlang, District Land Revenue Office at Aizawl, Agriculture Quality Control LAB	Inspection Report
2	1st IR Office Building at Mualvum	Site Visit
3	Fire Station at Kolasib	Preliminary drawing
4	Govt. Johnson College at Khatla, HSS at Kawlkulh & Kawlbem	Revised Tender drawing
5	PHE, SE Office Watsan Circle at Sesih Tlang, Champhai, SDO, PWD Buildings and NH Office at Mamit, (Main door) for Convention Centre at Berawtlang	Detail drawing
6	E-in-C, P&E Deptt. Office at NSC, Khatla	Working Drawing
7	Institutional Building for DIET Serchhip, Institutional Building for Lawngtlai DIET	Tender Drawing
8	PHC at Bnghmun & Sairang	Contour Survey
9	1st IR Office Building at Mualvum,	Survey
10	Rajiv Gandhi Stadium at Mualpui, South Gallery	Layout
11	Govt. Aizawl College, Commerce Building at Mualpui,	Site update Survey

#### DECEMBER, 2014

Sl. No.	Name of Project	Stages of Drawing
1	Polytechnic at Mamit, Alternate Dispute Resolution Centre at New Secretariat Complex, Khatla, Additional Secretariat, CE, Minor Irrigation Department,	Inspection Report
2	Institutional Building for DIET Mamit, Hostel Building for Aizawl DIET, Polytechnic at Saiha	Tender Drawing
3	DAO Office Building at Serchhip	Revised Tender drawing
4	Mini Lab on roof top of Excise Commissionerate Building	Prelim cum Working Drawing

5	Govt. Aizawl West College	Detail Drawing
6	Fire Station at PHQ at Khatla	Detail Drawing(Kitchen)
7	Treasury Office at Saiha	Working Drawing
8	Judicial Quarters at Serchhip, Judicial Quarters, DC Compex Serchhip, Judicial Quarters, AOC Serchhip, NABARD at New Secretariat Complex, Judicial Quarters at Mamit, Multipurpose Centre at Ramhlun North.	Survey

#### JANUARY, 2015

1	State Referral Institute at PHE Store Complex, Zuangtui	Tender drawing for
2	Govt. J.Thankima College, Govt. Johnson College at Khatla	Inspection,Stage-I
3	Library Building at Zirtiri Residential Science College, CE (Minor Irrigation) Dept Office Building	Inspection,Stage-II
4	Govt. Aizawl West College	Inspection stage-III
5	SDO Quarter (1unit) at Serchhip, Sub-Divisional Office at Lawngtlai	Working drawing
6	SDO Quarter (1unit) at Serchhip, Eklavia Residential School at Serchhip (Girls Hostel), Police Station at Tuipang	Detail drawing
7	Recreation /Conference Hall at PTS Thenzawl	Preliminary Drawing
8	Storage Godown at Various place	Detail Project Report
9	Directorate Building for Science & Technology dept. at NSC	Drawing for AMC Permission
10	Polytechnic at Saiha(Hostel Block)	Tender Drawing
11	Polytechnic at Saiha Staff Quarter Type-I,II, III and IV	Prelim cum tender drawing
12	Directorate of Science& Technology at NSC	Layout
13	Lunglei College Auditorium, Supply Godown at Kolasib, Supply Godown at Kawnpui, Supply Godown at hmuifang, Supply Godown at Thenzawl.	Site Survey
14	Pangi Junction at Republic Veng, Approach Road to Kulikawn Hospital	Road Survey
15	Republic Kawipui Junction Road	Survey

#### FEBRUARY, 2015

1	PHE Dept. Quarter Type-IV at Mamit, DC Staff Qtrs, Type-IV(1 units) at Mamit and Type-II (2 Units) at Mamit, SDO (Civil) Staff Qtrs at Thenzawl, 60 Men Barrack -2 storeys at PTS Thenzawl, Multipurpose Centre at Ramthar North, Auditorium at Thenzawl, Recreation Conference Hall, PTS, Thenzawl, PHC at Sairang, Police Station at Thingsai, 1st IR Office Building Phase-I at Mualvum, Main building Block-I Govt. Zirtiri Residential College at Durtlang, Constrn of power staff Quarter at Champhai, FCS & CA Dept. Quarters at Various place and Power and Electricity, Judges Quarters (2Units) at Govt.Complex, Luangmual, Chief Justice Qtrs Type-VIII Qtrs Aizawl, DCSO Office Building at Lawngtlai, DCSO Office Building at Saiha, DTO office Building at Saiha, DTO Office Building at Lawngtlai, Chief Engineer (Highway) Office at Tuikhuahlang, DRC Quarters and Dormitory at Mizoram House Shillong, PHC at Haulawng, PHC at Bnghmun, Construction of E-in-C office, PHE at Aizawl, College Auditorium cum Annexe building at Lunglei Govt. College, Govt. Staff Qtrs at Lawngtlai, Govt. Staff Qtrs at Lunglei.	Preliminary Drawing
2	DC Staff Quarters Type-IV at Mamit, Taxation Dept. Staff Quarters at Serchhip Type-II and III	Preliminary Cum Tender Drawing
3	Directorate of Fisheries at New Secretariat Complex, Aizawl, Chief Engineer Office Minor Irrigation department, Cultural Heritage Centre at Lunglei	Detail Drawing
4	Mizoram State Account and Treasury Office Building at New Secretariat	Detailed Project Report
5	PWD Staff Qtrs at Serchhip (Type-II Qtrs 3units)	Prelim cum Tender
6	Police Station at Serchhip	Pre. Drawing for Vertical Extension
7	H.S.S Building at Kawlbem & Kawlkulh, Fire Station at Serchhip, Type-II Quarter at C.Secretariat complex,	Tender Drawing
8	Police Qtrs (Type-II, 4Units) at Sakawrtuichhun, Govt. Johnson College at Aizawl, ADR Centre at NSC, SDO, PWD (National Highway) Office at Hnahthial	Working Drawing
9	Type-II Qtrs, 4Units at PTS Thenzawl	Rev. Prelim cum Tender Drawing

10	Academic Building Commerce Stream at Mulapui), Rajiv Gandhi Stadium Mualpui, Polytechnic at Lawngtlai, Heritage Centre at Lunglei	Inspection Report
11	constn of Barrack and Dining Hall at Raj Bhawan	Revised Tender drawing
12	Housing for Media Person	Concept paper
13	Construction of Govt. Aizawl College, New Campus building at Mualpui	Detailed Project Report
14	District Court Building at Aizawl & Police Station at Lunglei (Grade-4)	Revised Tender Drawing
15	High Court Staff Quarter Govt. Complex, Housing for Media Person, Auditorium cum Library at Thenzawl, Venghloi, Zobawk Sports Complex at Zobawk Lunglei, PHC at Longpuighat.	Site Survey

**MARCH, 2015**

Sl. No.	Name of Project	Stages of Drawing
1	Govt. Zirtiri Residential College, Constrn. Of Judicial Qtrs at Kolasib, Report for Constrn. Of Taxation Office Kolasib, Treasury Office at Kolasib, Multi Complex Building Auditorium at PUC, Raj Bhawan at Treasury Square	Inspection
2	Constn. Of Directorate of Fisheries Deptt.	Revised Detail Drawing
3	Polytechnic at Serchhip, DRC Quarters & Domitory at Shillong	Tender Drawing
4	Residential Quarters for Judicial Officers and Staff at Serchhip, Residential Quarters for Judicial Officers and Staff at Mamit	Detail Project Report
5	Judicial Staff Qtrs, Type-III (4Units) at Kolasib, Directorate of Science & Technology at New Secretariat Complex, Govt. Lawngtlai College, Academic Building for under Graduate Commerce Stream at Mualpui	Working Drawing
6	Cultural Centre Cum Auditorium at Vaivakawn, Alternate Dispute Resolution Centre at New Secretariat Complex	Inspection stage-I
7	Housing for Media Person	Concept Paper
8	Additional Civil Secretariat at NSC, Khatla	Detail Drawing
9	PWD Staff Quarter at Hnahthial(Type-I,II, III 1Unit each)	Working Drawing for construction
10	High Court Building at New Secretariat Complex, Type-II Qtrs at Police Station at Vairengte	Site Survey
12	State Referral Institute at Zuangtui, Institutional Building at Kolasib DIET, Mizoram Institute of Comprehensive Education at MICE	Layout

<b>Name of Project</b>	<b>: Govt. Aizawl College, New Campus Building (Commerce Stream)</b>
<b>Location</b>	<b>: Mualpui, Aizawl</b>
<b>Status of the Building</b>	<b>: 1) Architectural Design completed on Oct., 2014 2) Under Construction</b>
<b>Cost of Project</b>	<b>: 3 Crore</b>
<b>Floor Area</b>	<b>:</b>
<b>Basement 2, 1 &amp; G. Flr.</b>	<b>: 323.05 Sq.m</b>
<b>First Floor</b>	<b>- 962.83 Sq.m</b>
<b>Second Floor</b>	<b>- 1624.75 Sq.m</b>
<b>Total Floor Area</b>	<b>: 3630.49 Sq.m</b>



**Name of Project** : Multipurpose Building for SCERT  
**Location** : Chaltlang  
**Status of the Building** : 1) Architectural Design completed on Sept., 2014  
 2) Construction not started  
**Cost of Project** : Rs 94.86 Lakh  
**Total Floor Area** : 755.40 Sq.m



**Name of Project** : State Referral Institute (State Public Health Laboratory)  
**Location** : PHE Store Complex, Zuangtui  
**Status of the Building** : 1) Architectural Design completed on 2014  
 2) Under Construction  
**Cost of Project** : 42.26 Lakhs  
**Total Floor Area** : 834.49 SQ.M







**Name of Project** : 1<sup>st</sup> IR Office Building ( Phase I)  
**Location** : Mualvum  
**Status of the Building** : 1) Architectural Design completed on Feb., 2015  
2) Construction not yet start  
**Cost of Project** : Rs 4,18,10,322.00  
**Total Floor Area** : 1562.64 Sq.m



**Name of Project** : Institution Building for DIET  
**Location** : Champhai  
**Status of the Building** : 1) Architectural Design completed on Sept., 2014  
2) Under Construction  
**Cost of Project** : 519.23 Lakhs  
**Floor Area** :  
**Basement Floor** - 173.37 Sq.m  
**Ground Floor** - 324.30 Sq.m  
**First Floor** - 316.42 Sq.m  
**Total Floor Area** : 814.12 Sq.m



<b>Name of Project</b>	<b>: Police Station Grade 4</b>
<b>Location</b>	<b>: Vairengte</b>
<b>Status of the Building</b>	: 1) Architectural Design completed on Feb., 2015 2) Construction not started
<b>Cost of Project</b>	: Rs 1,53,60,057.00
<b>Basement II</b>	- 80.62 Sq.m
<b>Basement I</b>	- 156.25 Sq.m
<b>Ground Floor</b>	- 217.67 Sq.m
<b>First Floor</b>	- 183.87 Sq.m
<b>Total Floor Area</b>	: 638.41Sq.m



<b>Name of the Project</b>	<b>: Taxation Office</b>
<b>Location</b>	<b>: Kolasib</b>
<b>Status of the Building</b>	: 1) Architectural Design completed on March, 2014 2) Final Stage
<b>Cost of Project</b>	: Rs 2,80,75,000.00
<b>Floor Area</b>	:
<b>Basement Floor</b>	- 235.70 SQ.M
<b>Ground Floor</b>	- 246.64 SQ.M
<b>First Floor</b>	- 245.22 SQ.M
<b>Total Floor Area</b>	: 928.40 SQ.M



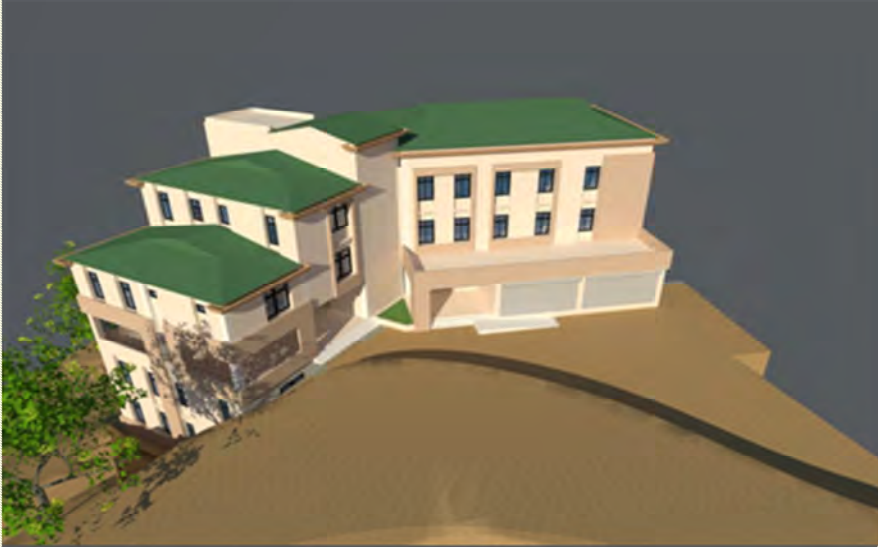
**Name of Project** : Govt Zirtiri Residential Science College ( Library Building)  
**Location** : Zotui, Durtlang, Aizawl  
**Status of the Building** : 1) Architectural Design completed on May, 2014  
2) Final Stage  
**Cost of Project** : Rs 1,26,02,166.00  
**Total Floor Area** : 928.40 Sq.m



**Name of Project** : 50 Bedded Hospital  
**Location** : Lawngtlai



**Name of Project** : Directorate of Fisheries  
**Location** : NSC, Aizawl  
**Status of the Building** : 1) Architectural Design completed on Jan., 2016  
2) Completion Stage  
**Cost of Project** : Rs 499.88 Lakhs  
**Total Floor Area** : 1782.86 Sq.m





<b>Name of Project</b>	: <b>Fire Station</b>
<b>Location</b>	: <b>Serchhip</b>
<b>Status of the Building</b>	: 1) Architectural Design completed on Feb., 2015 2) Construction started
<b>Cost of Project</b>	: Rs 295.00 Lakhs
<b>Total Floor Area</b>	: 743.03 Sq.m





<b>Name of Project</b>	<b>: District Agriculture Office</b>
<b>Location</b>	<b>: Serchhip</b>
<b>Status of the Building</b>	: 1) Architectural Design completed on Dec., 2014 2) Construction started
<b>Cost of Project</b>	:Rs 125.00 Lakhs
<b>First Floor</b>	:162.70 Sq.m
<b>Total Floor Area</b>	:362.70 Sq.m





**Name of Project** : Institutional Building for DIET  
**Location** : Serchhip  
**Status of the Building** : 1) Architectural Design completed on Nov., 2014  
2) Construction started  
**Cost of Project** :Rs 233.53.00 Lakhs  
**Floor Area:**  
**Grd. & 1st Floor** :300.00 Sq.m  
**Second Floor** :158.00 Sq.m  
**Total Floor Area** :458.00 Sq.m



<b>Name of Project</b>	<b>: 100 Bedded Hospital</b>
<b>Location</b>	<b>: Saiha</b>
<b>Status of the Building</b>	1) Architectural Design completed on August 2014 2) Under Construction
<b>Cost of Project</b>	: 1.95 Crores
<b>Floor Area</b>	:
Basement Floor	: 110.60 Sq.m
Ground Floor	- 921.90 Sq.m
First Floor	- 1106.90 Sq.m
Second Floor	- 1097.90 Sq.m
<b>Total Floor Area</b>	<b>: 3237.30 Sq.m</b>





<b>Name of Project</b>	: Auditorium at Lunglei Govt. College
<b>Location</b>	: Lunglei
<b>Status of the Building</b>	: 1) Architectural Design completed on Aug., 2014 2) Construction not started
<b>Cost of Project</b>	: 472.22 Lakhs
<b>Floor Area</b>	:
Auditorium	: 621.87 Sq.m
Basement	: 721.46 Sq.m
<b>Total Floor Area</b>	: 1563.33 Sq.m





<b>Name of Project</b>	<b>: District Court Building</b>
<b>Location</b>	<b>: NSC, Khatla</b>
<b>Status of the Building</b>	<b>: 1) Architectural Design completed on Feb., 2015</b>
	<b>2) Construction not started</b>
<b>Cost of Project</b>	<b>: 21.64 cr.</b>
<b>Total Floor Area</b>	<b>: 10056.89 Sq.m</b>





<b>Name of Project</b>	<b>: Directorate Building for Science &amp; Technology</b>
<b>Location</b>	<b>: NSC, Khatla</b>
<b>Status of the Building</b>	<b>: 1) Architectural Design completed on Sept., 2014 2) Under construction</b>
<b>Cost of Project</b>	<b>: 5.38 cr.</b>
<b>Total Floor Area</b>	<b>: 2009.22 Sq.m</b>



## Chapter 9

### ACHIEVEMENTS Under External Aided Projects (EAP)

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

#### 1. ADB – Serchhip to Buarpui Road

**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 is to be improved and upgraded to an Intermediate Lane.

This 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.

#### DETAILS FEATURE :

A) **Road Length:**

Road length to be improved and upgraded is 55km and it is divided into:

Section I: Serchhip-Thenzawl Tri-Junction (0-15.20km=15.20km)

Section II: Thenzawl –Tlawng(23.00-44.00 km=21.00 km)

Section III: Tlawng-Buarpui (44.00-62.80km=18.80 km)

B) **Road Formation:**

Upgradation of Road Formation will have formation details as below:

Carriageway width has to be upgraded to Intermediate Lane standard ie:5.50m

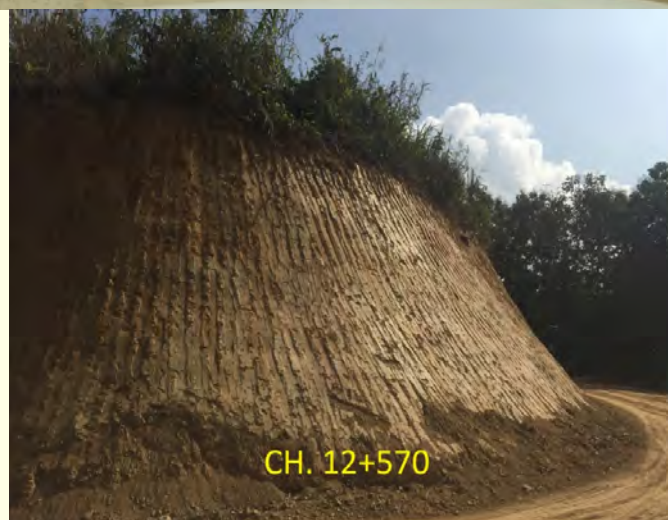
Pavement width of 6.40m (which is inclusive of 0.9m paved shoulder on hill side)

Formation cut will be 8.70m

**Pavement Composition:**

Bituminous Concrete	40mm
Dense Bituminous Macadam	50mm
WBM (Grading=100mm,Grading II=2 layers,75mm each)	250mm
Granular Base (1 layer, Grading II)	<u>210mm</u>
Total	550mm

- C) **Time for Completion** : 3 years commencing from December 2014.
- D) **Bridge** : There are two major bridges over R. Tlawng and R. Mat
- E) **Construction Supervision Consultant:**  
MSV International Inc. USA, D-7, South City-1, Gurgaon-II, Haryana
- F) **Civil Works Contractor:**  
M/s Tantia Construction Ltd., dd-30, Sector- I, Saltlake City, Kolkata – 700 064.
- G) **Project Cost and Financing:**  
The approved cost of the project is Rs.259.20 crore, which will be financed through MDONER, Govt. of India. From the approved project cost, GOI share is Rs.161.43 crore whereas State share is Rs.97.76 crore.
- H) **Physical Progress :**  
The overall physical progress as on 31.3.2015 is 2.20 %.



**Slide Cutting for Widening of Existing Roads**

## 2. WORLD BANK PROJECTS

### 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):

MSRII-RTCP has 2 (two) components (Component A & B) to support the Project development objectives as details given below :-

**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 Date	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	7.85 Km	Rs 4.28cr.	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 from starting date (ie 10.12.2014 )	1.00 km	Rs. 12.28 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.
3	Improvement and Upgradation of Tlabung - Kawrpuichhuah (12.00 Km)	Approval of draft bidding documents by World Bank is	Rs. 86.5 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



		being awaited. Bids invitation is expected by February 2016.					greater bilateral trade and access to the port of Chittagong-the nearest port for the North-Eastern region of India.
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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 Services for proposed Mizoram State Roads II – Regional Transport Connectivity PPC 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 Date	Time for Completion	Achievement		Remarks
					Physical	Financial	
1	2	3	4	5	6	7	8
	<b>Project Preparation Consultancy Services for proposed Mizoram State Roads II – Regional Transport Connectivity PPC Package -I</b> Phase I- Junction NH 44A (originating) passing through Chungtlang – Darlung – Buarpui  Phase II – Buarpui – Thenhlum - Zawlpu	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)	Inception report submitted and proposed work plan submitted to client. Ground Reconnaissanc e of possible route completed.	Rs. 2.62 cr	

**b) Project Preparation Consultancy Services for proposed Mizoram State Roads II – Regional Transport Connectivity PPC 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 Date	Time for Completion	Achievement		Remarks
					Physical	Financial	
1	2	3	4	5	6	7	8
1	<b>Project Preparation Consultancy Services for proposed Mizoram State Roads II – Regional Transport Connectivity PPC Package -II</b>  Phase I Chawngte including bridge to Bungtlang South up to Multi Modal Road junction  Phase II Zawlpu to Phairuankai	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)	Inception report submitted and proposed work plan submitted to client. Ground Reconnaissance of possible route completed.	Rs. 2.48 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 development initiatives introduced under the MSRP I.



**Finished View of Finish 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**



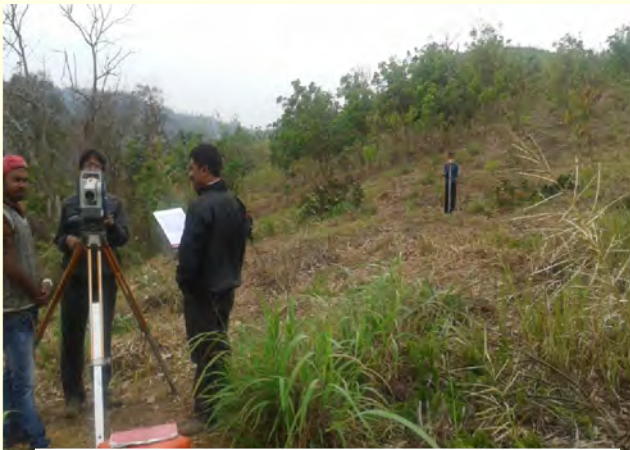
**Formation Cutting at  
Km 7+500, C-Z Road  
(C-Z = Champhai-Zokhawthar)**



**Formation Cutting @ Km 1+300 C-C Road**



**Formation Cutting @ Km 500 C-C Road**



**Survey for Slope Stakes at Km 1+700 C – C Road**



**Hill Cutting at Km 1+800, C – C Road**

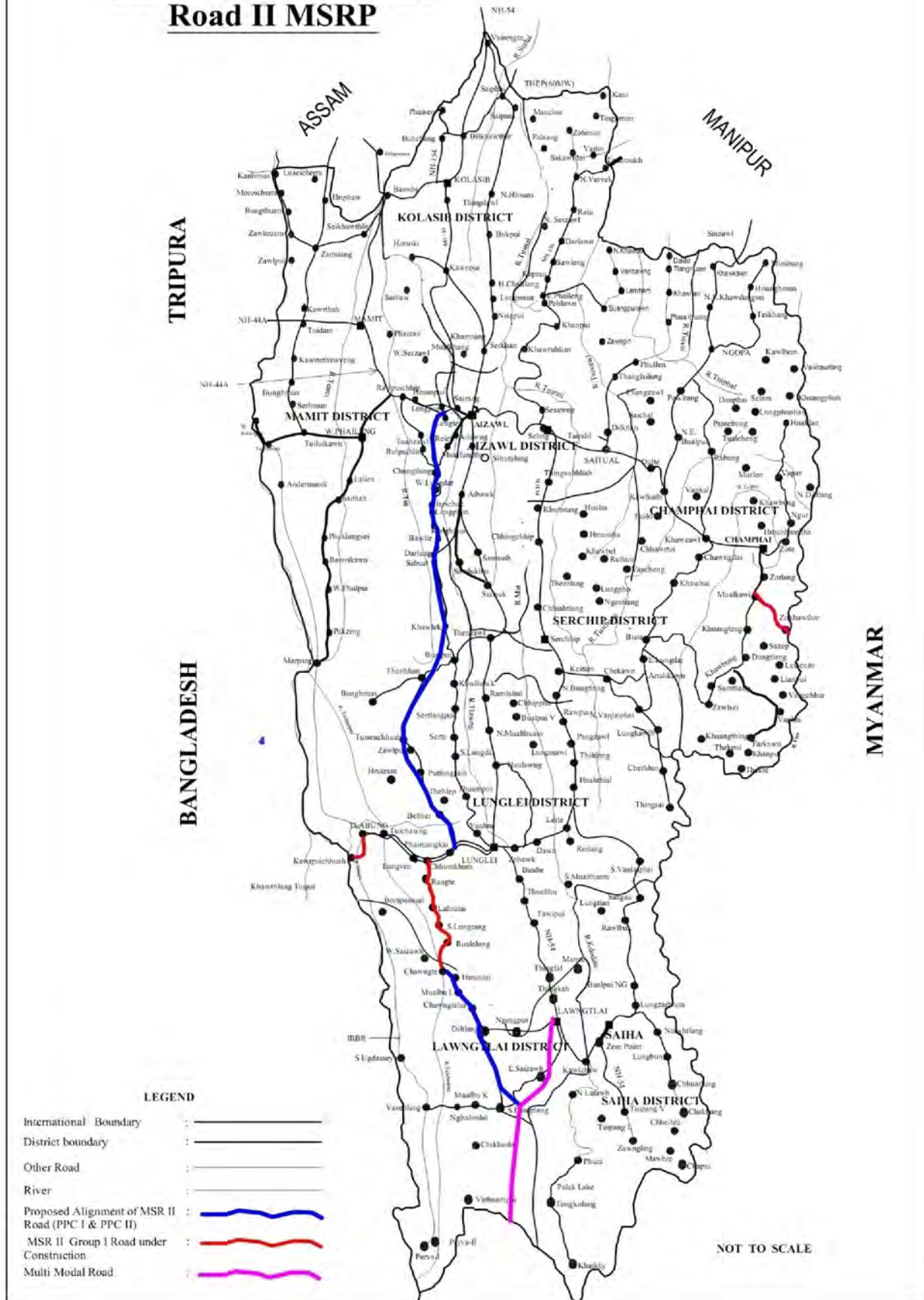


**Formation Cutting @ Km 10+100 C-C Road**



**Formation Cutting @ Km 10+300 C-C Road  
(C-C = Chhungkhum-Chawngte)**

# Map of Mizoram State Road II MSRP



## 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 2014-15:

SI 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	55
6	Architect	4
7	Joint Director of Accounts	1
8	Dy Director of Administration	4
9	AE/SDO/SDO(TC)	136
10	Assistant Architect	8
11	Finance Account Officer	3
12	Superintendent	4
13	Stenographer - I	1
14	Accounts Officer	1
15	Land Acquisition Co-Ordinator	1
16	Research Officer	1
17	Divisional Accountant	30
18	Architectural/Draftsman - I	5
19	Draftsman - II	31
20	Draftsman - III	47
21	Junior Engineer	299
22	OS - II	2
23	Asst. Divisional Accountant	30
24	Assistant/ H.A.	29
25	Steno-II	5
26	Steno-III	4
27	Inspector of Statistics	1
28	UDC	136
29	LDC	219
30	surveyor	0
31	Mechanical grade - I	4

32	Mechanical Grade - II	7
33	Electrician - I	6
34	Electrician - II	8
35	Wireman	0
36	Fitter	0
37	Welder	2
38	S.A.	138
39	Driver	74
40	Carpenter	2
41	Blacksmith	1
42	Water Works Fitter	1
43	Duftry	4
44	Blue Printer	4
45	Gate Keeper	1
46	Peon	148
47	Chowkider	65
48	IB Chowkider	35
49	Handyman	4
50	Driller	1
51	Jugali	23
52	Boatman	5
53	Plant Operator	2
54	Sweeper	23
	<b>Total</b>	<b>1637</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 2014-15:

SI No	Name of Post	Strength
1	S.A.	57
2	Driver	88
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	16
9	Driller	8
10	Asstt.Cameraman	1
11	Mech.Grade-II	9
12	Electrician-I	1
13	Electrician-II	4
14	Wireman	8
15	Jugali	57

18	Upholster	3
16	Plumber	4
17	Painter	1
19	Mason	4
20	Carpenter	11
21	IV Grade	148
	<b>Total</b>	<b>463</b>

## 2. PROMOTION :-

### 2.1 OFFICERS & STAFF PROMOTED DURING 2014-2015

After a long duration of high stagnation of post in promotion, the list of the following **Fifty Three (53)** Officers and Staff got promoted in the department during the year 2014-15 as indicated below :

SI No	Name	From	To	Date of Promotion
1	C.Lalrinawma	SE	CE	1.4.2014
2	Lalmuankima Henry	SE	CE	1.4.2015
3	Vanlalchhuana	EE	SE	3.6.2014
4	J.Sangkhuma	EE	SE	27.6.2014
5	Lalhmingliana Bawitlung	EE	SE	1.4.2015
6	Sangliana	EE	SE	24.7.2014
7	C.Liantluanga	EE	SE	31.3.2015
8	F.Lalhmunsiama	EE	SE	20.7.2015
9	H.Zoliana	AE/SDO	EE	27.3.2014
10	K.Lalbiakthanga	AE/SDO	EE	22.4.2014
11	Lalrawnsanga Ralte	AE/SDO	EE	22.4.2014
12	Pazawna	AE/SDO	EE	22.4.2014
13	H.Lalnghinglova	AE/SDO	EE	22.4.2014
14	B.Lalhminghsanga	AE/SDO	EE	22.4.2014
15	B.Vanlalhruii	AE/SDO	EE	24.7.2014
16	Lalramhluna	AE/SDO	EE	24.7.2014
17	Lalchhandama	AE/SDO	EE	24.7.2015
18	B.Lalnghilhlova	AE/SDO	EE	24.7.2016
19	R.Lalawmpuia	AE/SDO	EE	24.7.2017
20	Lalthanglura Sailo	AE/SDO	EE	24.7.2018
21	R.Zirsangliana	AE/SDO	EE	25.11.2014
22	C.Eddie Zothansanga	AE/SDO	EE	1.4.2015
23	J.Lalnuntluanga	AE/SDO	EE	1.4.2015
24	A.Dutta	AE/SDO	EE	2.6.2015
25	Antony C.J	AE/SDO	EE	21.7.2015
26	Thanzawna Tlau	AE/SDO	EE	7.10.2015
27	Lalnunzira	AE/SDO	EE	2.11.2015(Mech)
28	Lalengthangi	JE	AE/SDO	12.2.2015
29	H.C.Hranghnuni	JE	AE/SDO	12.2.2015

30	C.Lalropuia	JE	AE/SDO	12.2.2015
31	Zairemthanga	JE	AE/SDO	5.3.2015
32	K.Sapthlengliana	JE	AE/SDO	5.3.2015
33	H.Lalrotluanga	JE	AE/SDO	13.5.2015
34	R.Lalramliana	JE	AE/SDO	13.5.2015
35	Lawmsanga Ralte	JE	AE/SDO	3.6.2015
36	Laltimawia	JE	AE/SDO	16.9.2015
37	F.Lalengmawia	JE	AE/SDO	2.12.2015

## 2.2

Sl.No.	Name	Designation	Office	Date of Promotion
1	Ramdingliana	Fitter	Electrical Division	7.11.2014
2	Thansiami	Draftsman - II	Western Circle	24.7.2014
3	R.K.Sanghnuna	Draftsman - II	Saitual Division	24.7.2014
4	N.Khitti	Draftsman - II	Saiha Division	24.7.2014
5	Zothansanga	Draftsman - II	E-in-C	24.7.2014
6	C.Renghlupuii	Draftsman - II	Project Circle	24.7.2014
7	C.Lalropuia	Junior Engineer	Kolasib Division	12.2.2015
8	Lalengthangi	Junior Engineer	CE Highway	12.2.2015
9	H.C.Hranghnuni	Junior Engineer	Forest	12.2.2015
10	Zairemthanga	Junior Engineer	Forest	5.3.2015
11	K.Sapthlengliana	Junior Engineer	NH Divison-I	5.3.2015
12	H.Lalrotluanga	Junior Engineer	Project Dvision-II	13.5.2015
13	R.Lalramliana	Junior Engineer	N.E.C	13.5.2015
14	Lawmsanga Ralte	Junior Engineer	Serchhip Division	3.6.2015
15	Laltimawia	Junior Engineer	Lunglei Division	16.9.2015
16	F.Lalengmawia	Junior Engineer	Project Division-I	2.12.2015

## 3. PENSION & RETIREMENT :-

During the reporting year 2014-15, a total of **Ninety One (91)** employees 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 2014-2015

#### 3.11

Sl No	Name	Designation	Office	Date of Pension
1	C.Lalrinawma	CE	C.E (Building)	31.3.2015
2	Lalmuana	SE	C.E (Roads)	28.2.2014
3	Sangliana	SE	C.E (Roads)	28.2.2015
4	Thanchunga	EE	Serchhip Division	28.2.2014
5	M.A.Laskar	EE	NH Circle - II	28.2.2014
6	PC Zodinliana	EE	Saitual Division	28.2.2014
7	I.N.Singh	EE	Director H & FW	28.2.2014



8	Zothansanga	EE	Eastern Circle	1.4.2014 (V.P.)
9	Saitawna	EE	Project Circle	31.5.2014
10	S.Bhattacharjee	EE	Mechanical Divn.	30.4.2015
11	R.Zatawna	EE	Road North Division	31.5.2015
12	R.Lalrikhuma	EE	E-in-C	30.9.2015
13	Zohmingliana	SDO	Mech.Sub-Division - I	30.4.2014
14	Ralzatawna	SDO(TC)	Building Circle	31.12.2014

### 3.2

Sl.No	Name	Designation	Office	Date of Pension
1	R.Malsawma	Junior Engineer	E-in-C	31.1.2014
2	V.Vanthuama	Junior Engineer	Quality Control	28.2.2014
3	C.Lalbuangi	Draftsman-II	Western Circle	28.2.2014
4	Lalthlengliana Ratle	Junior Engineer	Electrical Division	28.2.2014
5	Lalchawiliana	Junior Engineer	Saitual Division	28.2.2014
6	K.Thanchhunga	OS-II	Lawngtlai Division	28.2.2014
7	F.H.Lalsangliana	Junior Engineer	Champhai	31.3.2014
8	H.Lalngaizuala	Junior Engineer	Electrical Division	30.4.2014
9	V.Rozamliana	Junior Engineer	Serchhip Division	31.5.2014
10	Lalhmachhuana	Junior Engineer	Project Division-II	30.6.2014
11	C.Remtluanga	Junior Engineer	Electrical Division	30.9.2014
12	Lalrinliana	Junior Engineer	NH Division-II	30.9.2014
13	P.C.Ngurchhawna	Junior Engineer	Building Division	30.9.2014
14	Lalchhuanliana	Junior Engineer	Project Division-I	30.11.2014
15	K.L.Biakhranga	OS-II	Lawngtlai Division	31.10.2014
16	C.Zoliana	Junior Engineer	Lunglei Bldg.Division	31.12.2014
17	J.Lalrokima	Junior Engineer	Khawzawl Division	31.12.2014
18	F.Lalngura	Junior Engineer	Lawngtlai Division	31.12.2014
19	J.C.Lalnubuangi	Junior Engineer	Western Circle	31.1.2015
20	N.Khitti	Draftsman-I	CE Building	28.2.2015
21	Saihmingthangi	Junior Engineer	CE Building	28.2.2015
22	Lalramliana Sailo	Junior Engineer	Lunglei Circle	28.2.2015
23	B.Bualchhunga	Electrician-I	Electrical Division	28.2.2015
24	Rosangliana	Draftsman-III	Project Division-III	27.2.2015
25	K.Chalmana	Junior Engineer	Building Division	31.3.2015
26	Lalzarliana Sailo	Junior Engineer	Social Welfare	30.4.2015
27	Lalchuallova	Junior Engineer	Road South	30.4.2015
28	Ch.Lawmthanga	Junior Engineer	Lunglei Division	30.4.2015
29	R.Hrangchhinga	Junior Engineer	Khawzawl Division	31.5.2015
30	Kapvela	Junior Engineer	Road South	31.5.2015
31	Hnamtinkunga	Junior Engineer	Quality Control	31.7.2015
32	M.Thangluaia	Junior Engineer	Lawngtlai Division	30.4.2015
33	R.K.Sanghnuna	Draftsman-I	Kolasib Division	28.2.2015
34	Ginthanga	Junior Engineer	Saitual Division	30.11.2015
35	K.Lungmuana	Junior Engineer	Road South	31.10.2015

## 3.3

Sl.No.	Name	Designation	Name of Division	Date of Pension
1	Zakiamlova	Balcksmith	Mechanical Dn.I	30.4.2014
2	F.Lalrova	Driver	Project Circle	31.5.2014
3	Vanchamlia	SA	Lunglei Bldg	30.9.2014
4	R.Sangzuala	Jugali	Mechanical Dn.I	31.8.2014
5	R.Lalengmawia	W/C Jugali	Electrical,Aizawl	1.3.2015
6	M.Lalruata	W/C Mason	Road North Dn.	1.3.2015
7	Lalrinawma	Driver	Road South Dn.	31.12.2014
8	M.Padma Karan	Plant Operator	Mechanical Dn.I	31.10.2014
9	Vanlalmawia	W/C Mason	Building Dn.	31.12.2014
10	Zarlina	SA	Lunglei Dn.	30.12.2014
11	F.Pahnianga	SA	Project.II	31.12.2014
12	Thangkunga	Jugali	Electrical Dn.	31.1.2015
13	C.Remmawia	SA	Serchhip Dn.	28.2.2015
14	Lalrokima	SA	Khawzawl Dn	28.2.2015
15	Saihira	Jugali	Electrical Dn.	31.3.2015
16	Ownjit Nath	Jugali	Electrical Dn.	31.1.2015
17	Thangmawia	Driver	Lunglei Dn.	31.3.2015

## 3.4

Sl.No	Name	Designation	Office	Date of Pension
1	2	3	4	5
1	Biakdika	Sweeper	Saitual Divn.	30.4.2014
2	Sanghleia	Peon	Serchhip Divn.	30.4.2014
3	H. Lalbiaktluanga	UDC	Azl. Mech.	31.5.2014
4	Lalmalsawmi	Steno-11	Project Circle	1.6.2014
5	J. Rokhuma	Peon	Quality Cont.	30.6.2014
6	K.C. Dey	Chowkider	Azl. Building	30.6.2014
7	T. Lawmsanga	Chowkider	Elect. Lunglei	30.6.2014
8	Raldoliana	Chowkider	Quality Cont.	31.7.2014
9	Roluahzova	Peon	Kawrthah	31.7.2014
10	Laldangliani	Peon	Azl. Mech.	31.7.2014
11	Rohnuni Kiangte	IBC	Lunglei Divn.	31.7.2014
12	C. Roliana	IBC	Kolasib	30.9.2014
13	Laldinpuii	UDC	Eastern Circle	1.9.2014
14	Digendra Ch. Das	Peon	NHD - 1	30.9.2014
15	R. Lawmthangi	UDC	Building Cir.	30.9.2014
16	Vanlallawma	IBC	Kawrthah	30.9.2014
17	Chawngthluaii	UDC	NHD - 1	31.10.2014
18	A. Zolianchhuaki	Assistant	CE(Buildings)	30.11.2014
19	Kaplina	Duftry	Tlabung	30.11.2014
20	PC Liankhama	Assistant	Elect. Lunglei	31.1.2015
21	Lalluia Sailo	Peon	Hmuifang	28.2.2015
22	Lalrodinga	Chowkider	Elect. Aizawl	28.2.2015
23	Lalfakzuala	LDC	Khawzawl	1.3.2015

24	Rodingliani	LDC	Road South	1.3.2015
25	Lalbuangi	Sweeper	Eastern Circle	31.3.2015

#### 4. OFFICERS & STAFF WHO DIED DURING 2014-2015

Unfortunately, a total of **Thirty Eight (38)** employees had expired during the year 2014-15. Given below is a list of officers and staff of the department who had expired during the reporting year.

##### 4.1

Sl No	Name	Designation	Office	Date of Expired
1	B.Lalngilhlova	EE	CE ( Highway)	26.8.2014

##### 4.2

Sl.No.	Name	Designation	Office	Date of Expired
1	Vanlaltana	Junior Engineer	Project Division-II	3.2.2014
2	Singaba Singh	Mechanic-I	Mechanical Division	21.4.2014
3	Rohmingthanga	Junior Engineer	Police Deptt.	28.4.2014
4	Lallawmzuala Hrahse	Junior Engineer(Contract)	Lawngtlai Division	10.6.2014
5	Laltlanthanga	Draftsman-II	Champhai Division	18.7.2014
6	R.Thanzauva	Junior Engineer	Kolasib Division	5.8.2014
7	P.Zirliana	Draftsman-III	Khawzawl Division	26.8.2014
8	W.Thanchungnunga	Junior Engineer	NH Division-I	18.10.2014
9	Ch.B.M.Singh	Junior Engineer	Mehcanical Division	24.10.2014
10	Vanlalruata	Junior Engineer	Project Division-II	30.1.2015
11	C.Dingliana	Draftsman-III	Mechanical Circle	2.3.2015
12	L.Sanglura	Junior Engineer	Transport	29.1.2015
13	J.D.Singh	Welder	Mechanical Division	25.4.2015
14	C.Lalnghakmawia	Junior Engineer	DC,Lunglei	30.6.2015
15	Laldenga	Junior Engineer	Building Division	7.11.2015
16	Lallianmawia	Junior Engineer	Lunglei Division	18.11.2015
17	J.Rinliana	Junior Engineer	Mehchanical Division	3.12.2015

##### 4.3

Sl.No	Name	Designation	Office	Date of Expired
1	2	3	4	
1	S. Beima	IBC	Saiha Division	30.4.2014
2	Chuaukunga	Assistant	Project Circle	8.9.2014
3	Lalrinsangi	Assistant	NHD-111	26.9.2014
4	Lambo Chakma	Peon	Tlabung	17.10.2014
5	C. Rorela	Chowkider	Kolasib	20.1.2015
6	Thantluanga	Duftry	Mech. Circle	26.2.2015
7	Vanchhunga	IBC	NHD - 11	11.3.2015
8	T. Lalhmingliana	UDC	Lunglei Divn.	26.3.2015
9	Lalrokima	Chowkider	Mamit	27.3.2015

## 4.4

Sl.No.	Name	Designation	Name of Division	Date of Expired
1	F.Lalrinsanga	Driver	Tlabung	16.6.2014
2	Lalrozama,	W/C Driver	Saitual	20.6.2014
3	Vanlalhluna	Jugali	Electrical Dn.,Aizawl	10.7.2014
4	Lalchungnunga	Jugali	Electrical Dn.,Aizawl	2.9.2014
5	A.M.Barbhuiya	W/C Jugali	Mechanical Dn.	6.11.2014
6	Lalnuntharmawia	W/C IV Grade	Kawrthah Dn.	18.2.2015
7	Rosanga	Driver	CE Building Office	18.2.2015
8	Laldawngliana	W/C Wireman	Electrical Dn.,Aizawl	7.3.2015
9	K.Lianzuala	Driver	CE Road Office	February,2015
10	Ram Swarup	W/C Chowkidar	Serchhip	7.3.2015
11	Bires Ch.Das	W/C Mech.II	Mechanical Dn.	8.3.2015

## 5. HUMAN RESOURCE DEVELOPMENT :-

Format of Training Need Assessment (TNA) is 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. It is expected that the circulation of TNA 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 2014-15, 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 2014-15, it is recorded that as many as 167 nos. of Officers and Staff participated in 67 various training courses and other Seminars within and outside the State.



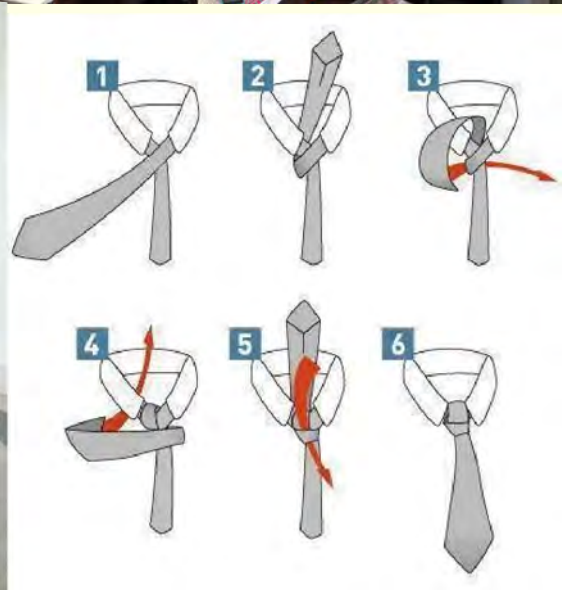
Mobile Phone based Application for Quality Monitoring under 2nd Tier of Quality Mechanism in PMGSY works. 13 (thirteen) participants from the neighboring states and 17 (seventeen) from Mizoram participated at Aizawl, 2014.

**6. Highlight :-**

S/N	Year	Regular Employees	Workcharged Employees	Pension	Expired
1	2004-05	1867	718	18	25
2	2005-06	-	645	12	23
3	2006-07	1942	615	7	23
4	2008-09	1890	581	19	18
5	2014-15	903	463	91	38



**Lady Engineers**



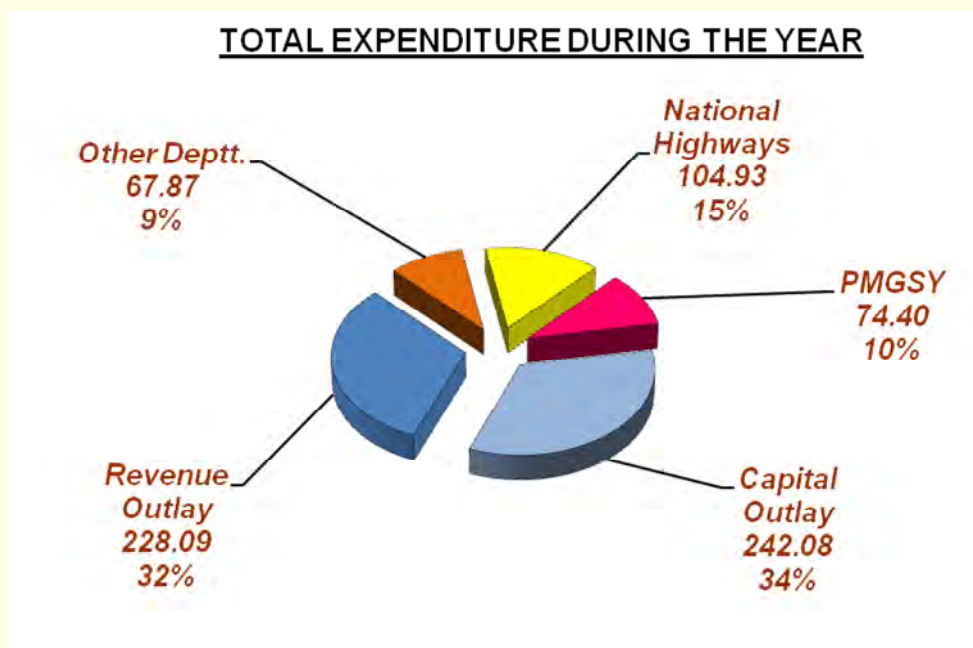
## Chapter 11

### FINANCIAL STATEMENTS

In the 2014-15 fiscal, the PWD received a total of ₹ 538.04 crores from State and Central Governments and external aid agencies for the construction and maintenance of roads, bridges and buildings in Mizoram. Another ₹ 74.40 crores for PMGSY works and ₹ 104.93 crores for National Highway Works. Thus making a grand total of ₹ 717.37 crores.

#### 11.1 TOTAL PWD EXPENDITURE :

The total PWD Total Expenditure, ₹ 717.37 crores during the year 2014-15 shown in the following Chart :



#### 11.2 PMGSY :

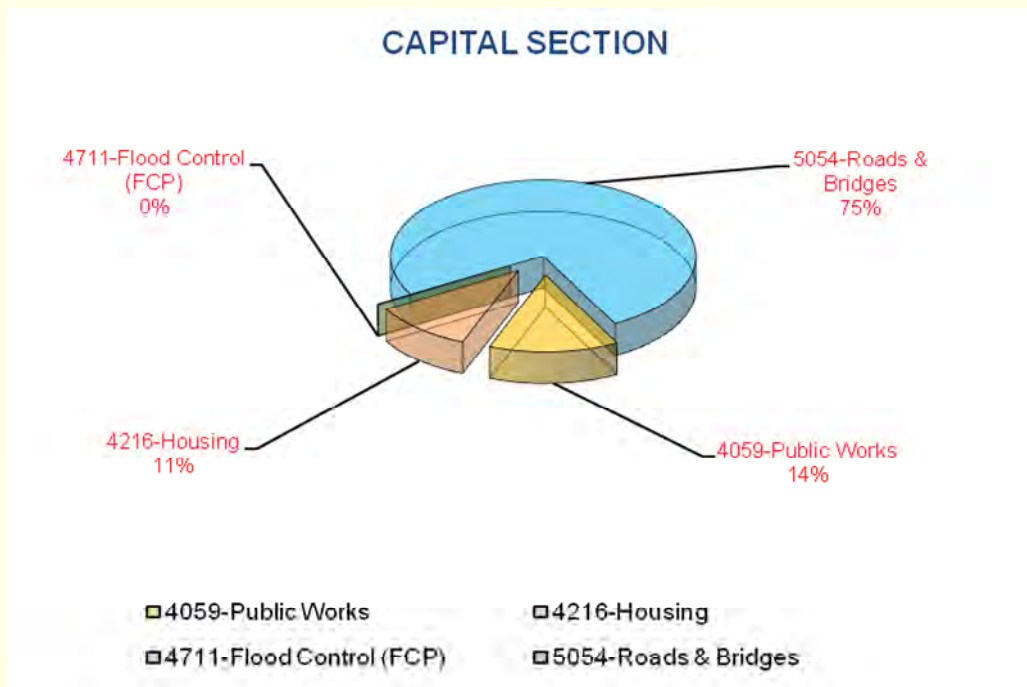
(Rs. in Lakhs)

Srl. No.	Head	Opening Balance	Receipt during the year	Interest & Misc. receipt	Total Fund Available	Expenditure during the year	Closing Balance
1	Administrative Fund	106.66	74.00	10.60	191.26	94.13	97.13
2	Programme Fund	2,549.34	5,474.00	75.05	80.98	7,345.64	752.75
	<b>Total</b>	<b>2,656.00</b>	<b>5,548.00</b>	<b>85.65</b>	<b>272.24</b>	<b>7,439.77</b>	<b>849.88</b>

### 11.3 Capital Outlays :

The total Capital funding during the year 2014-15 was ₹ 24,207.70 lakhs from Plan and details of Capital with each Heads may be shown in table and chart as below :

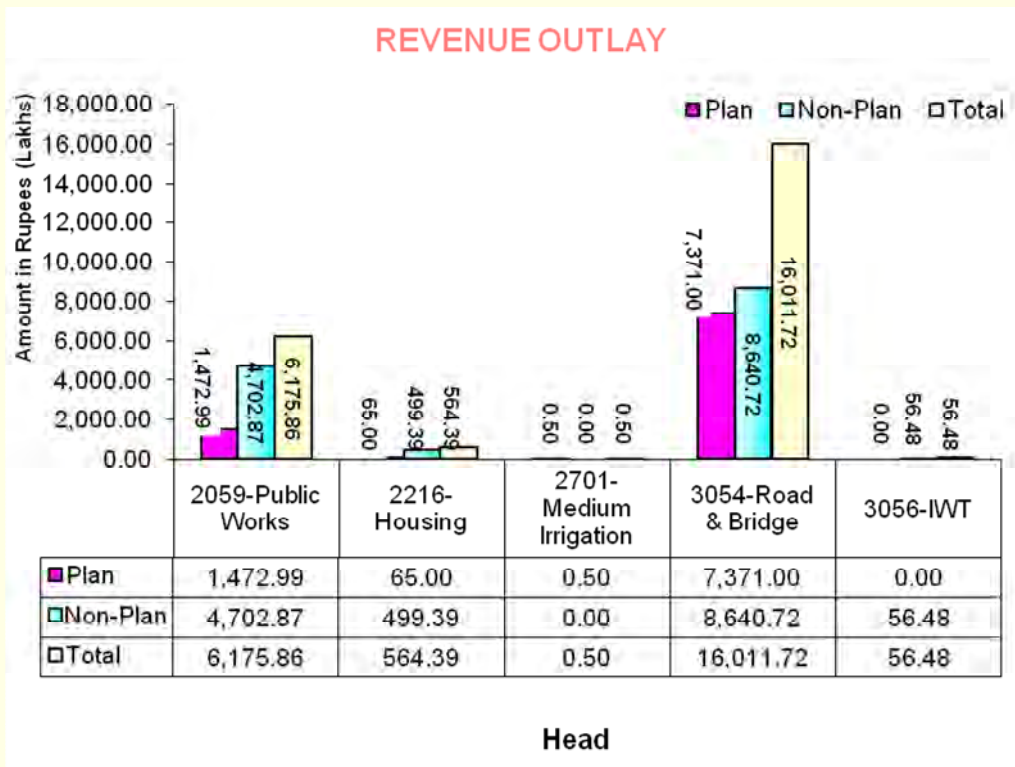
Srl. No.	Head	Plan	Non-Plan	Total
1	4059-Public Works	3,323.31	0.00	3,323.31
2	4216-Housing	2,567.98	0.00	2,567.98
5	4711-Flood Control (FCP)	38.40	0.00	38.40
6	5054-Roads & Bridges	18,278.01	0.00	18,278.01
	<b>Total</b>	<b>24,207.70</b>	<b>0.00</b>	<b>24,207.70</b>



### 11.4 Revenue Outlay :

The total PWD Revenue during the year 2014-15 was ₹ 22,808.95 lakhs and the details are shown as below :

Srl. No.	Head	Plan	Non-Plan	Total
1	2059-Public Works	1,472.99	4,702.87	<b>6,175.86</b>
2	2216-Housing	65.00	499.39	<b>564.39</b>
3	2701-Medium Irrigation	0.50	0.00	<b>0.50</b>
4	3054-Road & Bridge	7,371.00	8,640.72	<b>16,011.72</b>
5	3056-IWT	0.00	56.48	<b>56.48</b>
	<b>Total</b>	<b>8,909.49</b>	<b>13,899.46</b>	<b>22,808.95</b>

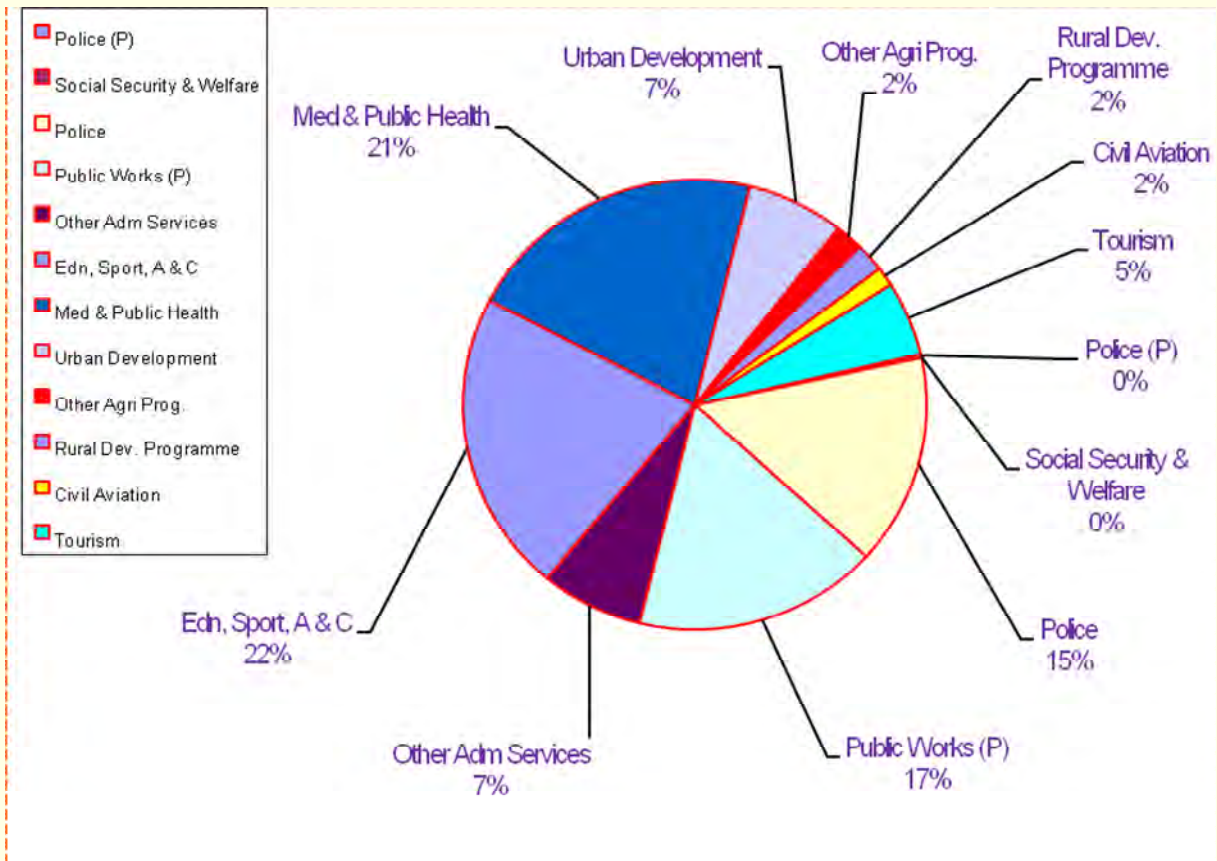


### 11.5 Other Departments :

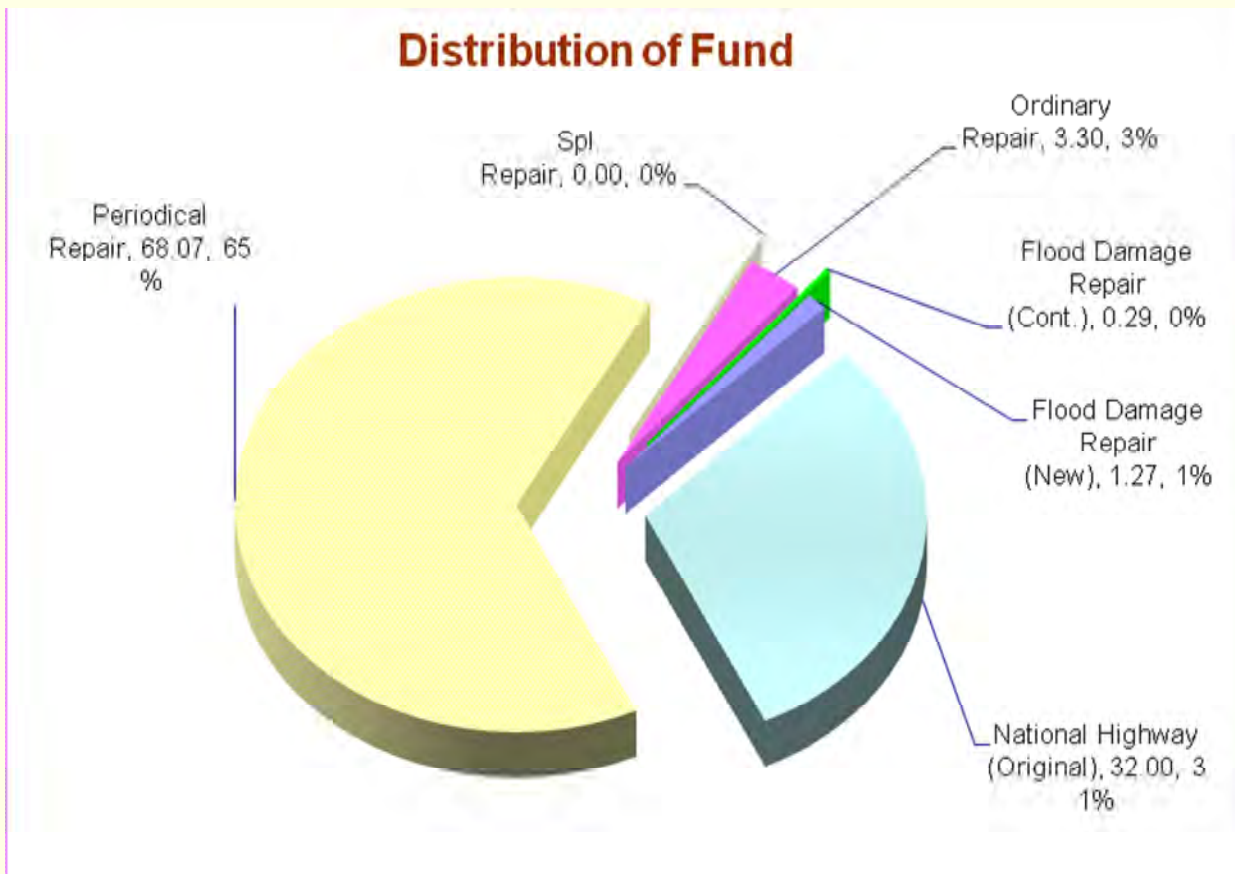
PWD also undertakes construction and maintenance works of various types of Buildings on behalf of other Departments under the Government of Mizoram. During the reported year, ₹ 1,177.73 lakhs of Funds from Plan and ₹ 5,609.51 lakhs of Funds from Non-Plan were allocated to the PWD for this purpose. The details of its statement are shown in table and chart as follows :

Srl. No.	Head	Plan	Non-Plan	Total
1	2055-CO on Police (P)	18.00	0.00	18.00
2	2235-CO on Social Security & Welfare	0.00	0.00	0.00
3	4055-CO on Police	0.00	1,025.84	1,025.84
4	4059-CO on Public Works (P)	1,159.73	0.00	1,159.73
5	4070-CO on Other Adm Services	0.00	485.59	485.59
6	4202-CO on Edn, Sport, A & C	0.00	1,472.53	1,472.53
7	4210-CO on Med & Public Health	0.00	1,433.40	1,433.40
8	4217-CO on Urban Development	0.00	462.01	462.01
9	4435-CO on Other Agri Prog.	0.00	134.64	134.64
10	4515-CO on Rural Dev. Programme	0.00	139.55	139.55
11	5053-CO on Civil Aviation	0.00	92.81	92.81
12	5452-CO on Tourism	0.00	363.14	363.14
	<b>Total</b>	<b>1,177.73</b>	<b>5,609.51</b>	<b>6,787.24</b>





**11.6 National Highways :** The total of ₹ 104.93 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**

The image shows three pages of audited reports for PMGSY. The first page is the Auditor's Report, the second is the Balance Sheet as at 31st March 2015, and the third is the Auditor's Report for the second year.

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

The image shows two tables showing Abstract Statement of Reconciliation for 2014-2015. The first table is for the Revenue Portion and the second is for the Treasury Portion.

The image shows a table showing Abstract Statement of Reconciliation for 2014-2015 for the Other Department, Demand No. 45.

**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 AT A GLANCE \*:

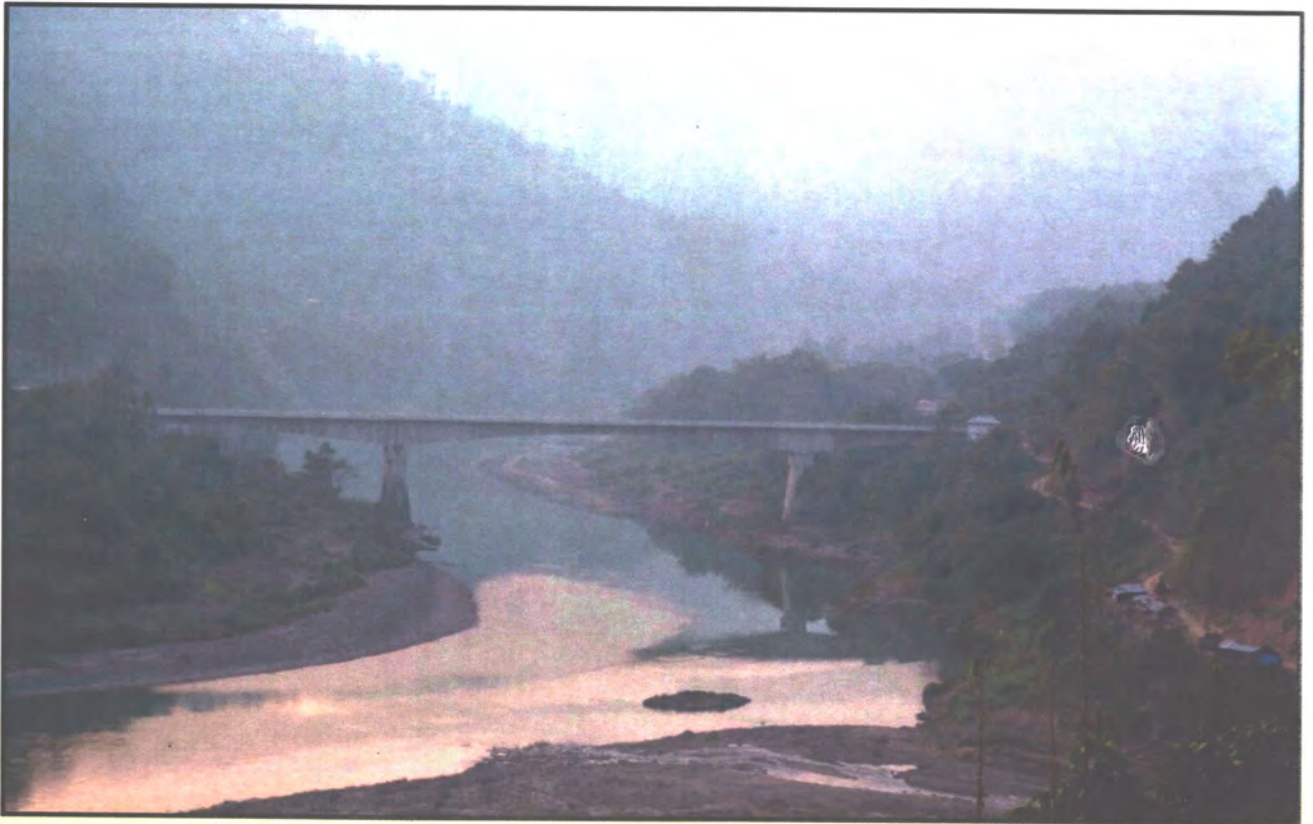
S/N	Particulars	Figure	Unit
1	State Capital	Aizawl	
2	Geographical Area	21081	Sq km
3	<b>Geographical Location</b>		
	i) Longitude	92.15'E to 93.29'E	degree
	ii) Latitude	21.58'N to 24.35'N	degree
4	<b>Length</b>		
	i) North to South	277	Km
	ii) East to West	121	Km
5	<b>International Borders</b>		
	i) 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.



## NATIONAL HIGHWAYS IN MIZORAM





**Important  
contact  
numbers  
of PWD  
Offices**

**PWD**

Principal Secretary	-	(0389) 2322163
Engineer-in-Chief	-	(0389) 2322176
CE, Roads	-	2325724
CE, Highways	-	2326205
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
SE(P&W), CE, Roads' Office	-	2324003
SE(P&W), CE, Highways' Office	-	2328047
SE(P&W), CE, Buildings' Office	-	2301539
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