

e-book

On Achievements of Mizoram PWD 2019 - 2020



ADB assisted Serchhip-Thenzawl-Buarpui road.

Published by Engineer-in-Chief, PWD Mizoram, Aizawl, Tuikhuahtlang-796001

This e-book can also be accessed to the Departmental website <http://www.pwd.mizoram.gov.in>

Zoramthanga
Chief Minister
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MESSAGE

I am pleased to learn that the Public Works Department (PWD), Government of Mizoram is publishing an e-book to highlight important achievements for the year 2019-2020.

The execution of public work has been an organized function ever since the emergence of the nation state and remains one of its most important activities, especially for a developing country like ours. The Public Works Department assumes even greater significance in a State like Mizoram – remote and land-locked. In this regard, I am proud to acknowledge the work carried out by the engineers and staff of Public Works Department in our State, sometimes under very challenging circumstances and urge them to strive for even greater heights as they perform their duties.

This e-book provides us an opportunity to look back and assess the work carried out by the Department over the past one year and is testament to the dedication of all its employees. I am confident that the Public Works Department shall forge ahead and continue its invaluable work of facilitating development in the State even in these uncertain times.

**Dated Aizawl,
the 9th June, 2020**


(ZORAMTHANGA)

Engineer-in-Chief
Public Works Department
Government of Mizoram
Mizoram : Aizawl



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MESSAGE

It gives me immense pleasure that the PWD is bringing out the 1st ever E-Book on the achievements of Mizoram PWD : 2019 - 2020.

I hope this E-book will provide a better understanding of the organization and its general achievements during the year for the readers.

Dated Aizawl,
The 12th June, 2020

A handwritten signature in black ink, appearing to be 'K. Lalsawmvela'.

K. LALSAWMVELA

E-BOOK OF MIZORAM PWD : 2019-2020

INTRODUCTION

ORGANISATION : Mizoram Public Works Department (Mizoram PWD) is the premiere works' agency for construction and maintenance of roads, bridges, buildings and other infrastructural facilities in the State. The Department is headed by one Engineer-in-Chief and assisted by one Chief Engineer (Planning) in the Office. The Organization is further divided into three zones i.e. Roads, Building and Highways each headed by Chief Engineer and one Chief Architect. Under the three Chief Engineers, there are nine (9) working Circles headed by Superintending Engineer and two (2) PIUs of Externally Aided Projects (World Bank and Asian Development Bank) headed by two (2) Project Directors in the level of Superintending Engineer. There are 29 working Divisional Offices headed by Executive Engineer and 83 Sub-Divisional Offices headed by SDO in the State.

Chief Engineer (Buildings) is entrusted to construct and maintain Government Residential Quarters, Office Buildings, Hospitals, Auditorium and Public Buildings. CE is also entrusted to look after Aizawl City Roads. Presently, they are maintaining 2,249 Quarters and Offices with 1,046 other public buildings. They are also constructing new Buildings like 19 units Quarters, 26-Office & Hospital and 1-Circuit House.

Chief Engineer (Highways) is entrusted for construction and maintenance of 11 National Highways and one State road. *As per the instruction of central government, NH-54: Aizawl-Tuipang (Km 372) was recently handed over to National Highway Infrastructure & Development Corporation Limited (NHIDCL). The remaining Seling-Champhai (NH-6), Lunglei-Tlabung (NH-302) and Keifang-Ngopa-Tuivai (NH-102B) alongwith remaining Lailapur-Aizawl (NH-54) will also be handed over to NHIDCL in due course.* Other NH roads, NH-154 (NH-6), Bairabi-Bilkhawthlir, NH-306A: Vairengte-New Vervek, NH-150: Seling-Tipaimukh, NH-44A: Sairang-Mamit-Langkaih, NH 502: Zero point-Siaha and NH 502A: Lawngtlai-Zochachhuah (KMMTTP) will be under Mizoram PWD.

Chief Engineer (Roads) : Construction of State Roads including Major District Roads (MDR), Other District Roads (ODR) and Rual Roads falls under CE (Roads). At present, construction of rural roads under the Prime Minister's flagship programme, Pradhan Mantri Gram Sadak Yojana is one of the main projects under him.

Chief Architect, supported by 2 Sr. Architects, 4 Architects and 8 Asst. Architects is entrusted to plan and design Government quarters, Office buildings and other public buildings.

Road Statistics of Mizoram PWD can vary due to various reasons. Record of Road Statistics at present can be summarised as below : -

1. National Highway (NH)	-	1,038.50 Km.
2. State Highway (SH)	-	170.20 Km.
3. Major District Road(MDR)	-	660.80 Km.
4. Other District Road(ODR)	-	1,053.20 Km.
5. Village Road(VR)	-	2,284.00 Km.
6. City Road	-	343.40 Km.
7. Satelite Town Road	-	842.90 Km.
TOTAL	-	6,393.00 Km.

Additionally, BRO is having 894.48 Kms, CPWD has 175.60 Kms and other State Department roads are 1,076.67 kms jeepable roads. Therefore, road density of Mizoram is 42.27 Kms/100 sqkm against National average of 179.60 Kms/100 sqkm.

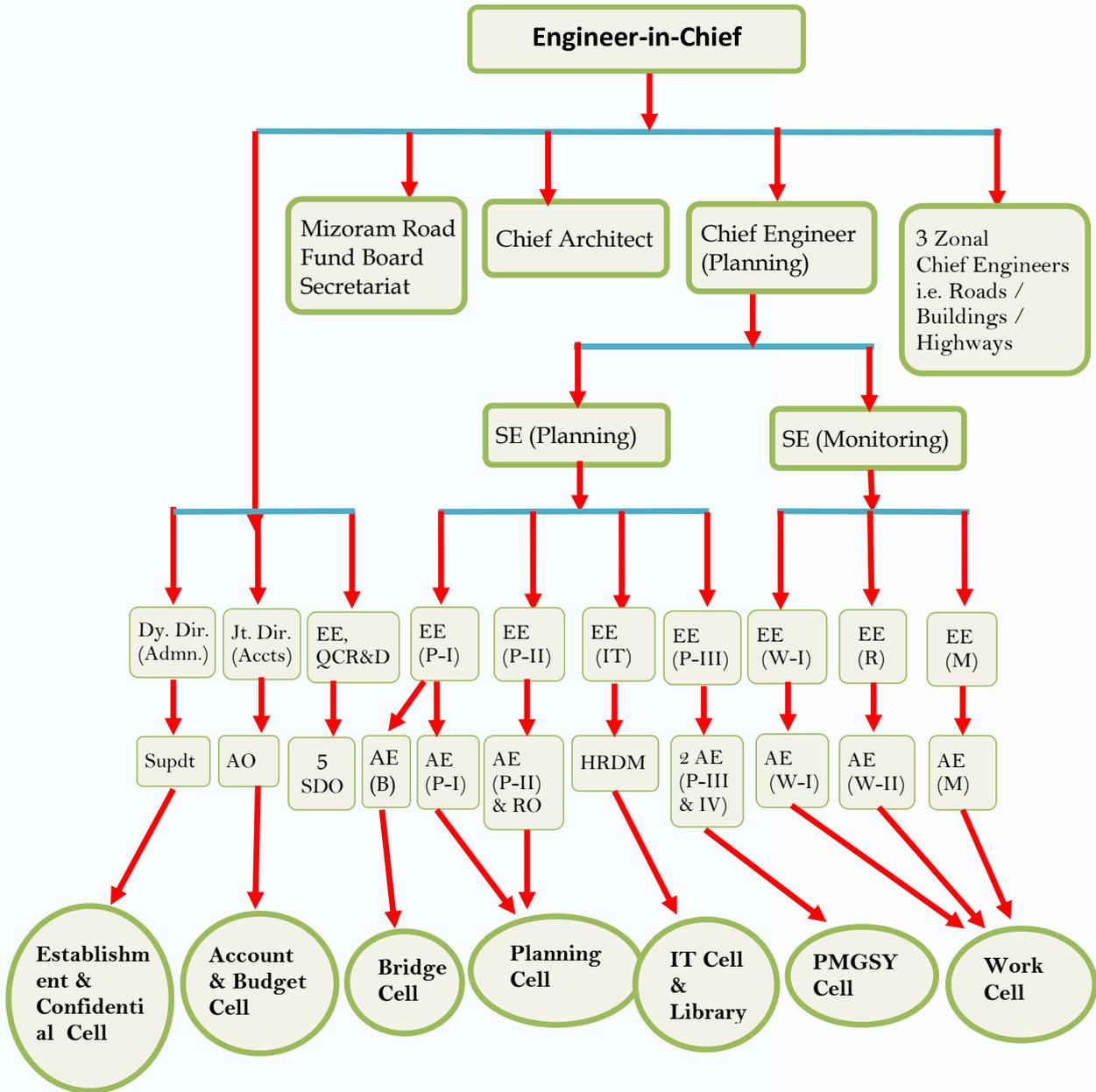
BRIDGE : Mizoram PWD has constructed and maintained the following Bridges :

RCC Bridge	-	64
Pre-stressed concrete (PSC) bridge	-	12
Built-up steel girder bridge (BUG-Truss)	-	31
Stiffened steel girder suspension bridge	-	2
SPT	-	3
Cable stayed steel truss bridge	-	2
Concrete decking over steel girder	-	1
Bailey bridges	-	45
Total Bridges	-	158

Besides these 158 bridges, there are 26 nos. of bridges under construction. Bailey bridges are temporary bridges whereas Built-up Steel Girder bridges and Cement concrete bridges are permanent bridges.

Mizoram PWD is planning to convert all the temporary bridges to permanent bridges. Some of them have been converted and investigation for converting the remaining Bridges is under process.

**Organization Chart of E-in-C's Office,
Mizoram PWD as on 31.03.2020**



ABBREVIATION

1. SE = Superintending Engineer, EE = Executive Engineer, Jt. Dir = Joint Director, Dy. Dir = Deputy Director, AE = Assistant Engineer, RO = Research Officer, HRDM = Human Resource Development Manager, Supdt = Superintendent, AO = Account Officer, SDO = Sub-Divisional Officer, AE (B) = AE Bridge
2. P = Planning, IT = Information Technology, W = Works, M = Monitoring, R = Resource, Admn. = Administration, Acct = Accounts, QCR&DD = Quality Control, Research & Development Division.

Organization Chart of Mizoram PWD as on 2020

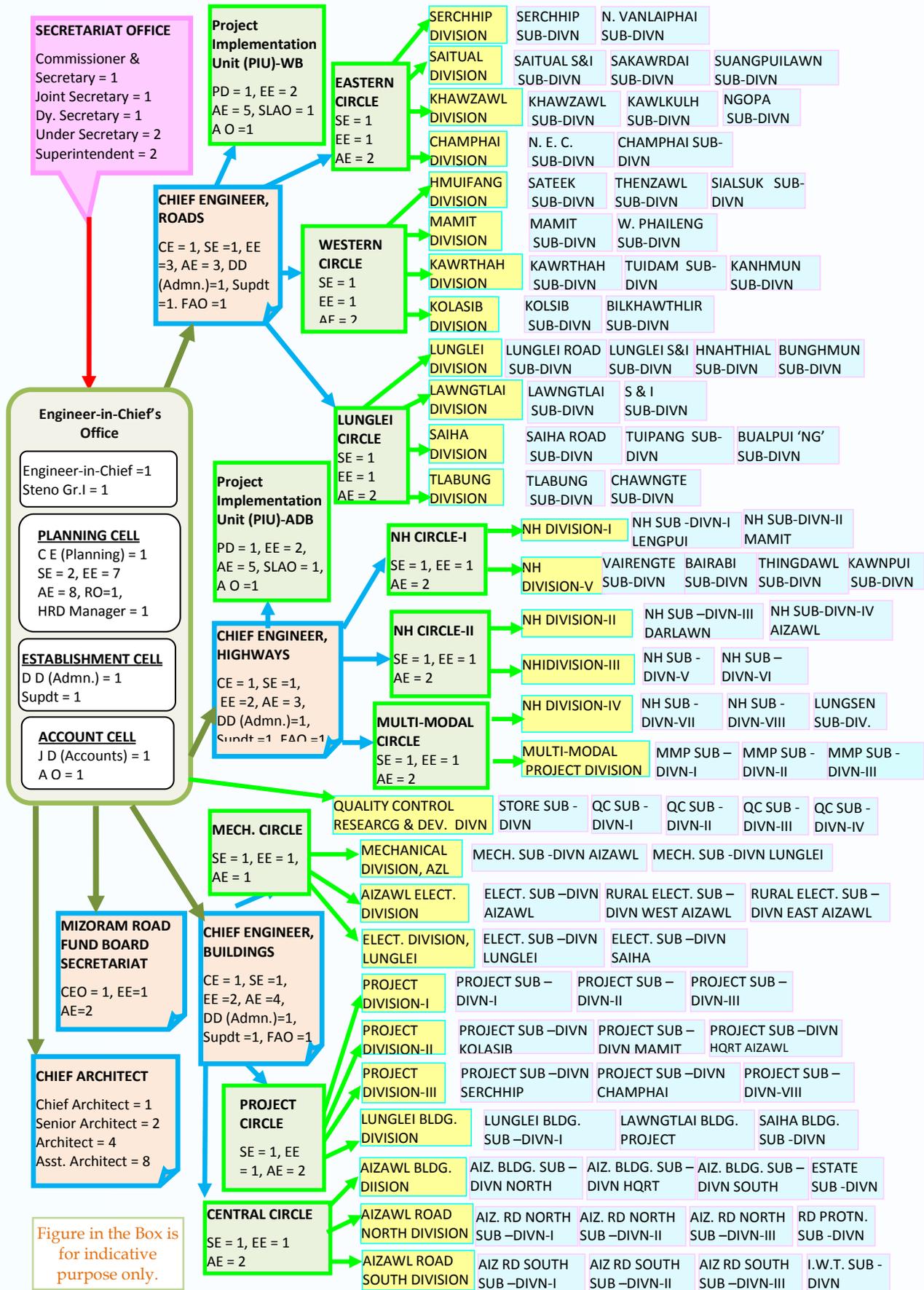


Figure in the Box is for indicative purpose only.

CONSTRUCTION AND MAINTENANCE OF ROADS :

Construction and maintenance of roads in the State are carried out under various Schemes sanctioned from time to time. The brief reports are given below (A – J) :-

A. STATE BUDGET :

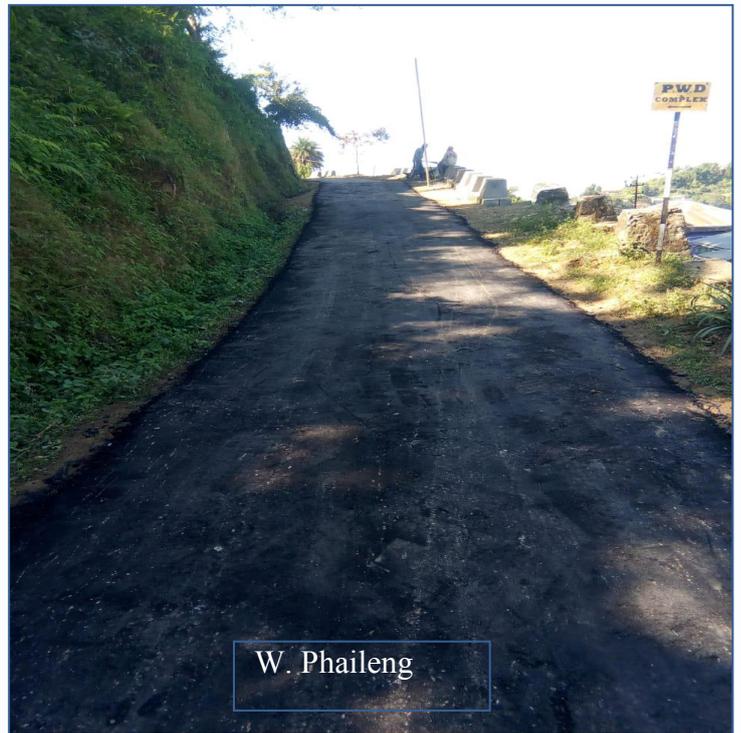
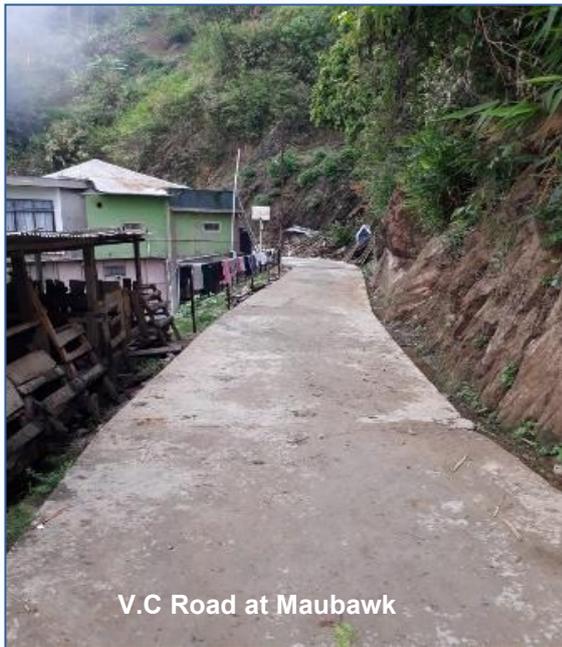
Provision of Fund for maintenance of roads had not been adequate in the past as per norms. But in the last few years, the situation improved considerably. In the past one year (2019-20) especially, almost 100% of the required fund as requested was provided and with clement weather, the following achievements could be made:

New Formation Cutting	=	16.80 Km.
Improvement & Widening	=	28.30 Km.
New Pavement (Blacktop)	=	22.00 Km.
Concrete pavement	=	11.40 Km.
Strengthening/Resurfacing (Bituminous)	=	371.86 Km.
Strengthening/Resurfacing (Concrete Pavement)	=	3.80 Km.
Repairing of Bridge	=	20 Nos.
Construction of Bridge	=	1. No.

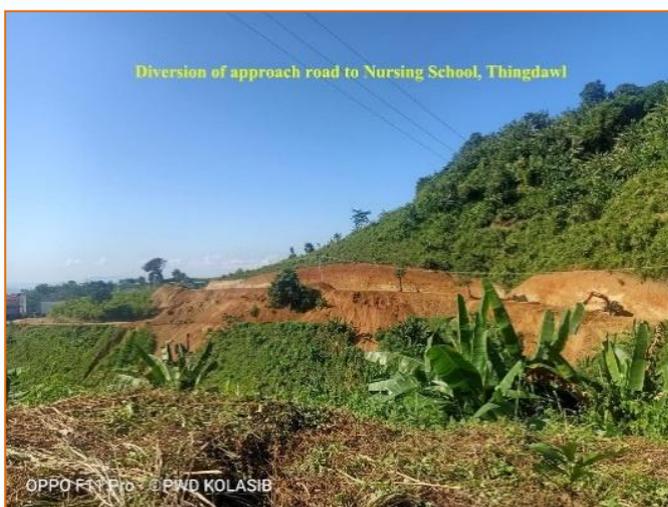
Within the above achievements, notable roads where significant accomplishments could be made are listed below :

- *Kulikawn-Muallungthu and km 71-83 (below Sailam to Chalkhan kawn),*
- *Pukpui-Haulawng on Aizawl-Thenzawl-Lunglei road,*
- *Saitual- Phullen road,*
- *Bairabi-Zamuang road,*
- *Bairabi-Mamit road,*
- *West Phaileng-Marpara road,*
- *Maintaining of other main roads and*
- *Various Aizawl City internal roads.*

The above achievements may be shown in some pictures as below :-



The previous pictures continues...



OTHER SCHEMES FOR IMPROVEMENT OF ROADS :

Mizoram PWD receives funds for Roads & Buildings' maintenance from State Government. It also receives fund for construction of roads & buildings from the following sources :-

1. National Bank for Agriculture and Rural Development (NABARD)
2. Central Road and Infrastructural Fund (CRIF)
3. Ministry for the Development of North East Region (MDONER), NESIDS, NLCPR, NEC & NERSDS.
4. Pradhan Mantri Gram Sadak Yojana (PMGSY)
5. World Bank
6. Asian Development Bank (ADB) and
7. National Highway under MORTH.

Details are shown below along with their achievements :-

B. ACHIEVEMENTS UNDER NABARD SCHEME :

There are 15 road projects and 8 bridge projects under National Bank for Agriculture and Rural Development (NABARD). The progress of constructions are given below :-

1. Construction of Zote-Chhiphir (0.00 - 9.48 kmp):

This project was started on 19.05.2016, 7.75 kms was paved during 2019-2020. Protection work, side drain and culvert were completed before March, 2020. Overall 76% was completed since March, 2020.



2. Construction of pavement on R. Tuichang-Tumtukawn (41.75 kms) on Hnahthial to Thingsai Road :-

This project was started on 8.08.2016. During 2019-2020, 39 kms and 1000 metres of side drain were completed. Cumulative achievement since inception of work is 98% as on March, 2020.



3. Widening and Improvement of Suangpuilawn to Zawngin Road (13.15 kms) :-

This project was started on 8.06.2016. 13.15 kms was completed during 2019-20. The work has since been completed.



4. Construction of Chuhvel - Sihthiang Road (11.00 kms) :-

This project was started on 23.06.2016, During 2019-2020,

Completed - 4.20 kms,
Protection work - 40 metres and
Culverts - 4 nos.

70% work was completed since inception of the project upto March, 2020.



5. Construction of Laki - Vahai (0-20.00 Kmp) :-

This project was started on 10.12.2016. During 2019-2020, 2475 metres of side drain, 7 nos. of culverts and 200 metres of protection work were completed.



6. Strengthening and improvement of Ngopa to Mimbang road (50.50 km) :-

This project was started on 4.9.2017, 30 kms of permanent work was completed during 2019-20. 40 kms has been completed since commencement.



7. Improvement of Thuampui S-S Lungdai-Serte-Sertlangpuiroad (27.00 km) :-

This project was started on 12.05.2017, 855 metres of side drain and 22 kms of WBM II (below alkatra / bitumen) were completed during 2019-20. Cumulative achievement is 65% by March 2020.



8. Construction of Hualngohmun to Samtlang Road (4.85 km) :-

This was started on 7.11.2016. All the remaining works were completed during 2019-20.



9. Construction of Built-up Steel Girder Bridge over R. Peka Lui on KDZKT road (25.00 m) :-

This work was started on 5.08.2017. 60% was completed during 2019-20 and overall achievement was 99% by March, 2020.



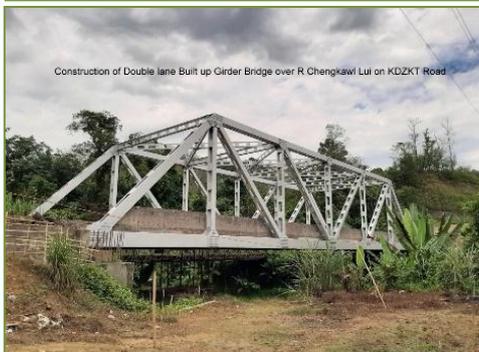
10. Construction of Built-up Steel Girder Bridge over R.Teirei on Bairabi to Zamuang Road.(102.00 m):-

This work was started on 5.08.2017. Due to soil erosion on the banks of the river, only 5% work was completed during 2019-20. Better progress is expected in 2020 – 21.



11. Construction of Built-up Steel Girder Bridge over R. Chengkawllui on Khadacherre-Zamuang-Kawrtethawveng-Tuilutkawn Road (40.00 m) :-

This was started on 5.08.2017. 65% work was completed during 2019-20 and overall achievement was 98% upto March, 2020.



12. Construction of Built-up Steel Girder Bridge on Saitual -Phullen Road over Tuivawl river. (55 m):-

This was started on 20.8.2017. 40% was completed during 2019-20 and was inaugurated on 22.01.2020.



13. Improvement and strengthening of Champhai - Khawbung Road upto R. Tuipui from Mualkawi (65.00 Km) :-

This was started on 24.06.2018. Achievements upto March, 2020 were :

Pavement	- 20 kms
Protection works	- 197.50 metre,
Side drain	- 28000 metre
Culvert	- 10 nos and
Cum. Achievement	- 35%



14. Construction of rigid pavement of Buhchang - Phaisen Road (9.30 Km) :-

The work was started on 20.04.2018. During 2019-2020, 7.80 kms was completed and is now 100% completed in March, 2020.



15. Construction of Chheihlu- Chakhang Road (12.00 Km) :-

This was started on 18.08.2018. During 2019-2020, followings were completed

Formation cutting	-	5.80 kms
Pavement (black-topping)	-	7.70 kms and
Culvert	-	36 nos.

This work was completed in March, 2020.

16. Construction of Built-up Steel Girder Bridge over R. Langkaih at Kanhmun (80.00 m) :-

This was started on 06.04.2018. 20% was completed upto March, 2020. 15% work was achieved during 2019-20.

17. Construction of Hnahthial to Haulawng road upto Zotui (12.00-34.00 Kmp) :-

This was started on 05.10.2018. Formation cutting of 15.8 kms was completed during 2019-2020, 21.50 kms was completed upto March, 2020 since inception of the project. Culvert, retaining wall and pavement constructions are left.



18. Improvement and widening of Keitum - N. Vanlaiphai Road (48.00 Km) Road:-

This was started on 07.06.2019. During 2019-20, achievements are as shown below :

Protection wall	-	28 metre,
Culvert	-	14 no. and
Side drain	-	3400 metre.
Widening of Chekawn-N. Vanlaiphai	-	8.00 kms
Resurfacing of Keitum-Chekkawn	-	25.50 kms.



19. Improvement and Strengthening of Nalkawn-Chamdur Valley Road (88.50 km) :-

This was started on 09.08.2019. 128 metres of Protection work, 31 nos. of culvert and 20 kms of side drain were completed during 2019-2020.

20. Construction of Built-up Steel Girder Bridge over R. Cheppui on Bilkhawthlir to Saiphai Road (18.00 m) :-

This was started on 24.06.2019. Overall 45% work was completed upto March, 2020.



21. Construction of Approach Road to Marpara South (0.000-5.073 kmp) :-

This was started on 26.4.2018. The work was completed in all respect during 2019-20.



C. ACHIEVEMENTS UNDER CENTRAL ROAD AND INFRASTRUCTURE FUND (CRIF) :-

1. Construction of Built-Up Steel Girder Bridge over R. Borailui at Ch.18.470 kmp on Khadachera-Damchera-Zamuang-Kawrthah-Tuilutkawn (KDZKT) Road (35 m span) :-

This project was started on 21.11.2016. 50% was completed during 2019-20 and 98% work was achieved since inception of the project and will be completed during 2020-21.



2. Construction of Built-up Steel Girder Bridge over R. Tlawng on Aizawl-Reiek-W. Lungdar Road at 14.800 Kmp (57 m span) :-

This project was started on 08.02.2017. Re-survey was conducted due to the change of bridge. Bridge Design and Drawing were completed with 10% achievements during 2019-20.

3. Construction of double lane Built-Up Steel Girder Bridge over R. Tuichang on Keitum – Artahkawn Road (68 m span) :-

This project was started on 21.11.2016, Due to the problem faced in foundation, design was changed which hampered the progress of work. 38% work was completed during 2019-20. Overall 55% was completed and superstructure is still left.

4. Construction of RCC T-Beam Girder Bridge over R. Serlui on Bilkhawthlir-Saiphai-Natasura Road at 13.80 kmp (48 m span) :-

The project was completed during 2019-20.



5. Widening to single lane with geometric improvement and up-gradation of Chhiahtlang to Lamchhip road.

Road length is 19.87 km. During 2019-20, followings were achieved :-

- 60.00 m of Retaining Wall out of 460.00 m was completed,
- 32 nos. of Hume pipe culverts out of 62 nos. were completed,
- 16 Box culverts,
- Granular sub-Base course 2.87 km was laid and completed,
- 2.50 kms of Cement concrete layer was laid out of 8.500 km.

6. Construction of Muallungthu to Lungphun Road (22 Kms) :-

Achievements during 2019-20 are :-

- 400.00 m of Formation cutting.
- 11.00 kms of Side drain was completed with cum. achievement of 16.500 km.

7. Construction of two lane road from Sihhmui - Ramrikawn (Stage-I)-14 Kms :-

Sanction was accorded during 2017-18. Stage-1 composed of formation cutting, retaining wall and culvert. 6.500 kms of Formation cutting was completed during 2019-20. Concept paper of Stage-II is submitted to Ministry of Road Transport and Highways, Government of India for sanctioning of pavement estimate for the whole stretch (Stage-II).



8. Construction of Road from Chakhei to Siasi (20 Kms) :-

This project was sanctioned during 2018-19. Formation cutting of 15.00 km and 3.00 kms GSB were completed during 2019-20



D. ACHIEVEMENTS UNDER MDONER :-

(a) North Eastern Special Infrastructure Development Scheme (NESIDS) :-

1. Improvement and Upgradation of Lawngtlai to Tupui Ferry Road(10 Kms) :

This project was started by the end of 2019-20. 2.00 kms of Formation Cutting was completed and work is in full swing.

(b) North Eastern Council (NEC) :-

2. Upgradation of Serkhan to Bagha Bazar Road (0.00 to 73.00 Km):-

This project was started in 2012. During 2019-2020, 39.00 km pavements was completed . Work is now completed.

3. Improvement and Upgradation of Khadachera-Damchera-Zamuang-Kawrthah-Tuilutkawn (KDZKT) Road (88.500 Kms)

This project was started in 2015 and the cumulative achievement is 80%. During 2019-20, followings were achieved : -

- Bituminous Macadam (BM) – 1.80 km was laid. Cumulative achievement is 47.40 km.
- Bituminous Concrete (BC) – 1.80 km was laid. Cumulative achievement is 1.80 km.

The project is scheduled to be completed in 2020-21.

E. ACHIEVEMENTS UNDER WORLD BANK PROJECTS :

Name of Project : Mizoram State Roads II – Regional Transport Connectivity Project

There are three (3 nos.) projects under this scheme. Their achievements are given below :-

1. Improvement and up-gradation of Chhumkhum to Chawngte Road to 2 lane NH standard (41.53 Kms) :

Name of Contractor : M/s JMK Infra Projects Ltd, Noida with sub-contractor M/s APS Hydro Pvt Ltd, New Delhi. (Contract amount = Rs.283.85 Crores)

This project was started in January 2015; formation cutting of 35 kms was completed, the remaining work is also partially finished. Formation cutting of 10 kms and blacktopping of 6 kms were completed during 2019-20. Pictures of roads and retaining wall using new technology are shown below :-



2. Improvement and up-gradation of Champhai to Zokhawthar Road to 2 lane NH standard (27.50 Kms):

Contractor : M/s Tarmat Limited, Mumbai(Agreement amt. Rs.175.32 Crores)

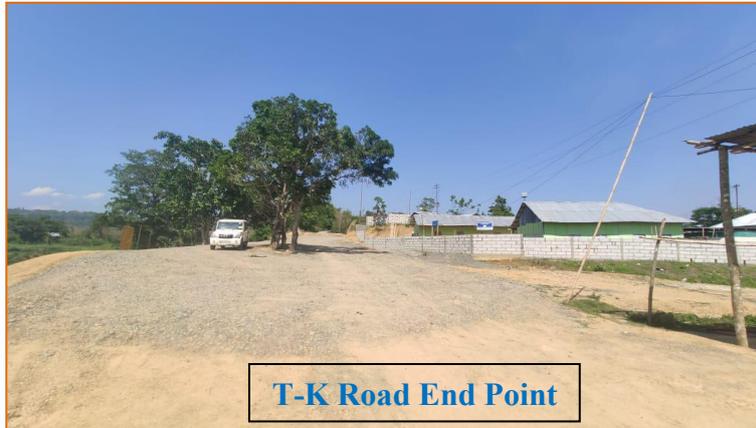
This project was started in January 2015, formation cutting of 26 kms and pavement of 20 kms were completed. During 2019-2020, formation cutting of 4.50 kms and black topping 17.00 kms were completed with some culverts and retaining walls. Some pictures are shown below.



3. Improvement and up-gradation of Tlabung to Kawrpuichhuah Road to 2 lane NH standard (11.50 Kms)

Contractor : M/s ABCI Infrastructures Limited; Agreement amt 83.92 Cr)

This was started in September 2015, formation cutting of 12 Kms and pavement of 7 Kms were completed. During 2019-2020, formation cutting of 3.00 kms and pavement of 6.0 kms were completed. Pictures are shown below.



T-K Road End Point



CH 7+880



CH 0+650 : Slope stabilization with Terra-lock, anchor and erosion control

F. ACHIEVEMENTS UNDER ASIAN DEVELOPMENT BANK (ADB) :

ADB Assisted Improvement & Upgradation of Serchhip – Thenzawl - Buarpui Road (55 Kms) :

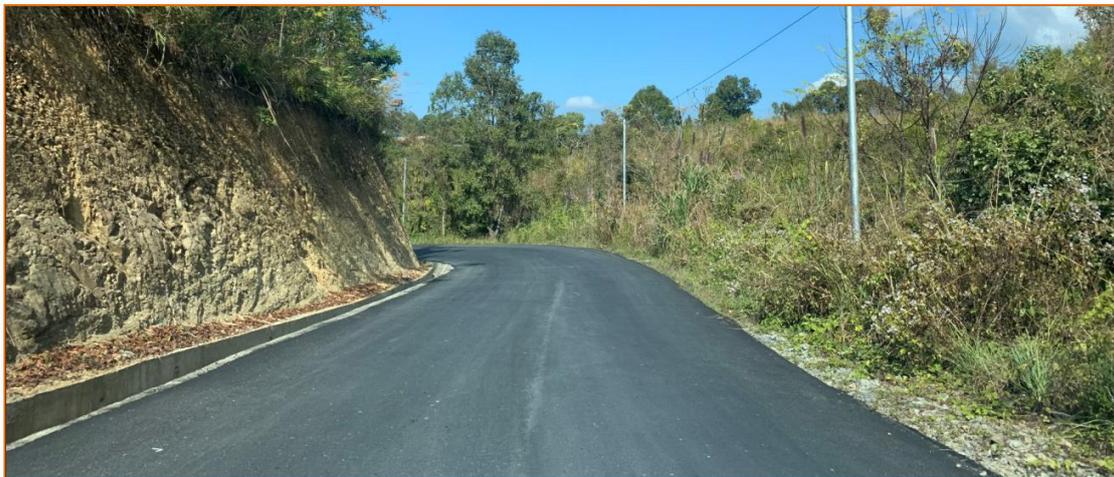
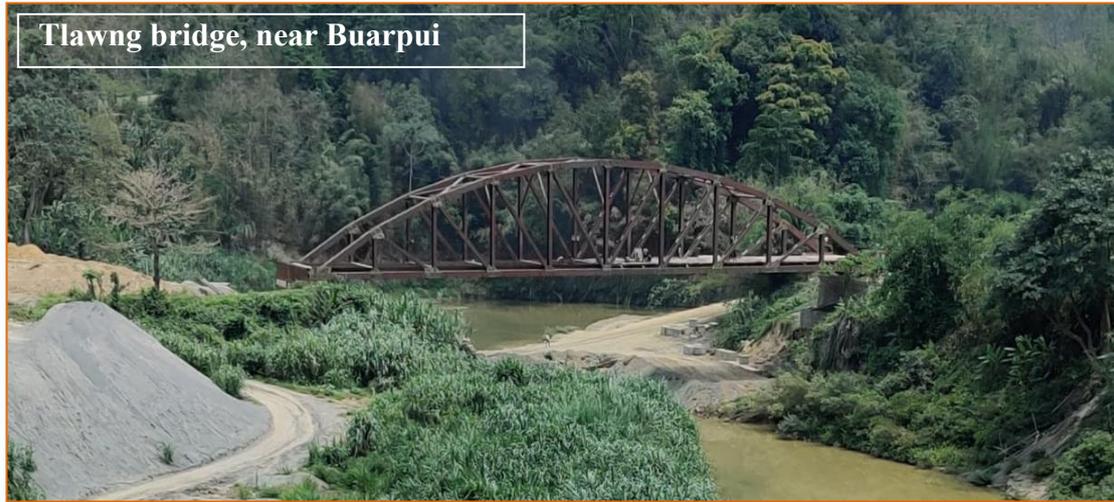
Serchhip Sailiamkawn-Thenzawl-Buarpui road was started on December 4, 2014. Contractor is Tantia Construction Ltd, amount of Project was Rs.301.97 Crore. Incorrect DPR and landslides resulted in slow progress. If Covid-19 did not spread, it was decided to finish the project by June, 2020. There could not be further achievement since March 2020, completion of project has to wait for next working season. There are two bridges under construction viz. Mat River (63 metre) and Tlawng River (63 metre). Bridge over R. Tlawng is expected to complete by June, 2020 while for Mat Bridge, transportation of Steel components from Kolkata is awaited.

During 2019-2020, 420 metres of formation cutting was completed. 14 kms of Granular sub-base, 35 kms of water bound macadam, 45.700 kms of dense bituminous macadam, 41.500 kms of bituminous concrete and 2.700 kms of cement concrete, 6.100 kms of side drain, 39 nos, of culverts and 2.40% of bridge work were also completed.

Pictures of some parts of roads and bridges are shown below : -



Pictures continues...



G. ACHIEVEMENTS ON NATIONAL HIGHWAYS UNDER MORT&H :-

1. National Highway-44A (New NH-108, i.e. Sihmui-Lengpui-Mamit-Tuidam) :

This road project has double lane standard, Km 104 length, and was started since December, 2012. Tender and selection of contractor were done from Delhi. The project was delayed due to incorrect DPR, slow process of Dampui Forest Clearance and change of contractor. There are certain small works left for completion like construction of bridge over River Teirei and Langkaih, new short cut road of Dampui and Tuidam. It is decided to complete the project by next working season.

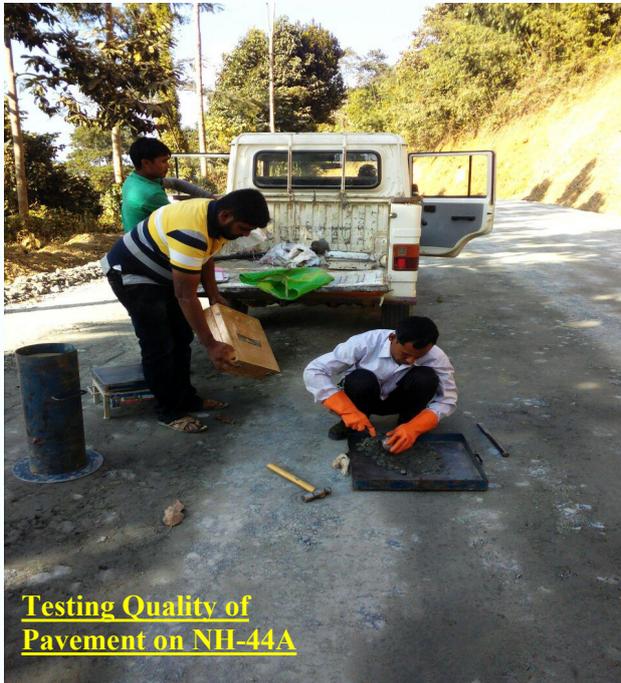
Achievements during 2019-20 are :-

- Formation Cutting... 11.70 km, remaining 1.00 km.
- Briges :-
 - a) Dialdawk Bridge – 53.80 % and completed the bridge.
 - b) Daplui Bridge – 9 %, cumulative achievement is 16%.
 - c) Teirei Bridge – 28 % cumulative achievement is 45%.
 - d) Langkaih Bridge – 5 % and work is in full swing.
- Culvert—49, retaining wall. 90 Rm and lined side drain 4.600 kms
- Dense bituminous macadam... 3.00 Kms, cumulative achievement is 84 kms.
- Bituminous Concrete layer 3.50 km, cumulative achievement is 36.00 km.

Pictures are shown below :-



Pictures continues...



2. National Highway-502A (Lawngtlai-Zochachhuah, KMMTTP) 87.180 kms :

This double lane standard project was started since October 2010. Due to demand of compensation by land owners, the progress was delayed. Small length of road cutting was left near Lawngtlai. Pavement was almost completed. The remaining construction of eight (8) bridges is expected to complete in 2020-21.

During 2019-20, the following works were achieved :-

- Formation cutting .. 1.180 km, cumulative achievement - 86.54 km.
- Bituminous Concrete layer 9.64 km, cumulative achievement - 80.10 km.
- Culverts 29 completed. Cumulative achievement - 366 completed out of 428.
- **Bridges :-**
 - a) Ruankhum Bridge – 10 %, cumulative achievement - 10%
 - b) Ngengpui Bridge – 30%, cumulative achievement - 70%.
 - c) Bawklawk Bridge – 69%, cumulative achievement - 99%.
 - d) Lunghauka Bridge – 49 %, cumulative achievement - 99%.
 - e) Khawrawp Bridge - 50 %, cumulative achievement - 85%.
 - f) Hmawngbu Bridge - 40 %, cumulative achievement - 70%.
 - g) Zochate Bridge - 70 %, cumulative achievement - 90%.
 - h) Zocha Bridge - 45 %, cumulative achievement - 45%.

Some pictures are shown below :-



**LAYING OF DBM AT KM 26/850
ON KALADAN MULTI MODAL TRANSIT TRANSPORT PROJECT**



PHOTOGRAPH SHOWING FULL WIDTH OF DBM WORK IN PROGRESS AT CH 45+500

3. Construction of 2-laning with paved shoulder and flexible pavement between 42/800 to 60/300 kmp on NH-150 (Khawruhlian diversion)

This project is double lane standard and started in May 2017. 16.90 kms was completed and 600 Rm was left. During 2019-2020, achievements were formation cutting 1.00 Km, GSB 10 Kms, WBM 8.00 Km and culvert 60 nos.



4. Repair & Rehabilitation of existing pavement of NH-6, Km 35/00 to Km 80/00 (Keifang to kawlkulh) on EPC mode.

Improvement of this single lane standard was started in November 2019. During 2019-20, 25.00 kms was completed upto March 2020.



5. Repair & Rehabilitation of existing pavement of NH-6, Km 110/00 to Km150/00 (Khawzawl to Champhai) on EPC mode

Improvement of this single lane standard was started since November 2019. Sanction is Rs.26.60 cr. WBM... 10 Km and bituminous concrete 2.00 Kms were completed upto March 2020.



6. Strengthening, profile correction and re-designing of Pavement on NH-102B from km 25/50 to km 37/100 (Saichal to Hliappui) and From Km 46/10 to Km 76/10 (Pawlrang to Ngopa) in the State of Mizoram

Improvement of this single lane standard was taken up. 33.600 kms was completed out of 33.600 kms; During 2019-20, 30 Kms was completed.

H. ACHIEVEMENTS UNDER PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY) :

The project of Pradhan Mantri Gram Sadak Yojana (PMGSY) was started in 2001 after the central government sanctioned development of rural roads under Ministry of Rural Development. Under this Scheme, all weather roads should be constructed to connect all villages with a population of 250 based on 2001 census.

PMGSY is one of the most important projects with a purpose of connecting all villages to have a fair-weather road. In 2001 Census, there were 795 villages recorded, 432 villages were connected already with all weather Road. There are 256 eligible villages from the remaining 363 villages under PMGSY Scheme.

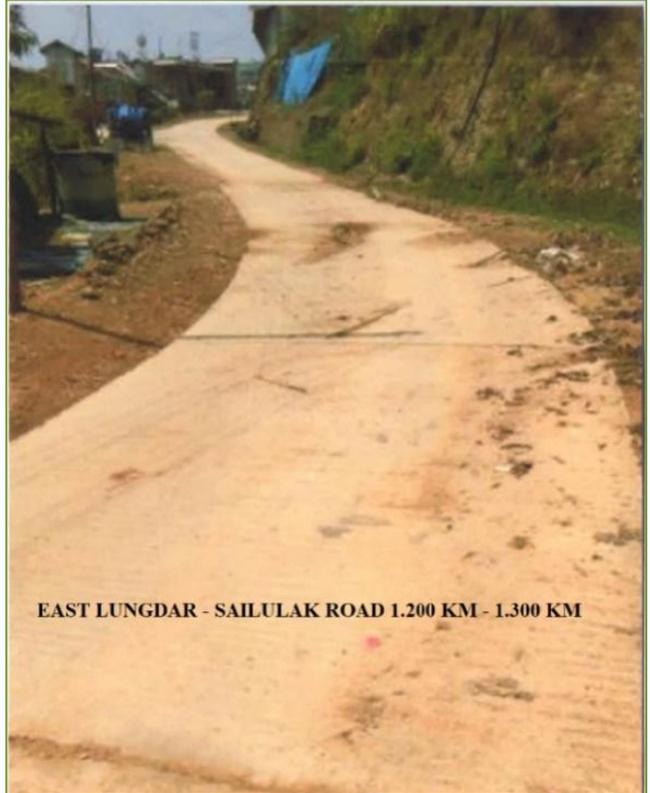
Sanction was received to connect 235 villages under PMGSY Scheme and 157 villages were connected from the 235 villages. 3375.00 kms were completed with culvert 10456 and Retaining Wall meter 52045. At present, constructions of roads to the remaining 78 villages are in good progress. Sanction of Rs 2475.72 crores was received in total and Rs 875.83 crores was expended.



Laying of Premix Carpet on Lungpho to Hmunzawl Road



**Mauzam to Puankhai Road
(Cell Filled Concrete Pavement)**



EAST LUNG DAR - SAILULAK ROAD 1.200 KM - 1.300 KM



**Execution of Cell Filled Concrete
Pavement**



**Parva – II to Bondukbanga Road
(Panelled Concrete Road)**



Execution of Cell Filled Concrete Pavement on S. Vanlaiphai to Muallianpui Road



Quality check by National Quality Monitor (NQM) on Lungluk to Khaikhy Road

**Tabung to Diblibagh Road
(Cell Filled Concrete Pavement)**



Lengte to Nghalchawm Road



During 2019–2020, Formation Cutting of 153.67 kms and Pavement Works (Blacktopping and Panelled Concrete Road) of 123.62 kms were completed under PMGSY Scheme. Rs 255.17 crores were expended. The following on-going five (5) projects were completed during the financial year : -

1. Construction of E. Lungdar to Sailulak Road,
2. Construction of Zuangtui to Muthi Road,
3. Construction of Sakawrdai to Vaitin Road,
4. Construction of Darlawn to N. Serzawl Road and
5. Construction of Chekkawn to Lungchhuan Road.

Fund of PMGSY-II was received to upgrade the existing roads during 2019-2020. New sanction of Rs 262.23 crores was received to upgrade 6 road projects with a total length 194.50 kms under the Ministry of Rural Development, Government of India. Among these six projects, three projects are for upgradation to Intermediate lane i.e. formation Width – 9.00 meter and blacktop width – 5.50 meter and remaining three are single lane roads.

At present, there are 124 projects, 14 are new formation cutting and 51 concrete pavements. The balance 59 projects are pavements. 908.17 kms are left to complete 124 projects. Apart from these on-going works, New DPR is also prepared to upgrade the existing roads of 480 kms.

I. **BUILDING WORKS :**

Most of the Office buildings and quarters in the State and Mizoram House outside the State are constructed and maintained by Mizoram PWD. Chief Engineer (Buildings) is entrusted to maintain those buildings and quarters. There are three (3 nos.) Circle Offices each headed by Superintending Engineer and Divisional Offices under Chief Engineer (Building). However, there are also some Office buildings constructed by other departments which are not maintained by Mizoram PWD.

During 2019-20, 11 of Residential quarters and 14 nos. of Non Residential Building were constructed. 167 buidings were also repaired and renovated.

During 2019-20, the following prominent Office Buildings are completed : -

1. Additional Civil Secretariat Building
2. Mizoram State Accounts & Treasuries Department Office
3. Electric Veng Indoor Stadium
4. Anti Errosion Measure, PWD Complex Silchar
5. Auditorium at Thenzawl
6. SDC Office at Bairabi
7. DC Circuit House at Mamit
8. Taxation Office Building at Mamit
9. Community Medicine Centre at ZMC Falkawn
10. Treasury Office Building at Champhai
11. Vertical Extension of DHME at New Secretariat Complex
12. Treasury Office Building, Lawngtlai
13. Police Station, Siaha



CONSTRUCTION OF VERTICAL EXTENSION OF DIRECTORATE OF HOSPITAL & MEDICAL EDUCATION BUILDING AT NEW SECRETARIAT COMPLEX, KHATLA, AIZAWL.



TREASURY OFFICE AT CHAMPHAI



Auditorium, Thenzawl



The following Residential Building were also completed during 2019-20 :-

1. SDO (Civil) Quarter, Kawrthah
2. SDO (Civil) Quarter, Vairengte
3. DIPRO quarter, Kolasib
4. Judicial Officers' Quarters, Serchhip
5. SDO (Civil) Quarter, N. Vanlaiphai
6. Type – II and Type – I quarter 4 unit each, Khawzawl
7. Treasury Officer's quarter, Champhai
8. SDO (Civil) Quarter, Sakawrdai
9. Type – II and Type – I quarter 4 unit each, Saitual
10. Treasury Officer's quarter, Lunglei
11. Warden Quarter with Cook Quarter at Polytechnic Lunglei



SDO(C) QTR. AT SAKAWRDAI.



TYPE-II QUARTERS (4 UNITS), TYPE-I QUARTERS (4 UNITS) AND TYPE-V QUARTERS AT SAITUAL



SDO (Civil) Quarter, Vairengte

J. ACHIEVEMENTS UNDER ESTABLISHMENT SECTION :

Establishment Section is headed by Dy. Director (Administration) in the Office of Engineer-in-Chief. The achievements obtained during 2019-20 may be shown below : -

A. APPROVED FOR FILLING UP BY DIRECT RECRUITMENT			
Sl No	Name of posts	No of Posts	Status
1	Assistant Architect	1	MPSC conducted written examination and written result is not yet declared.
2	Junior Grade of MES (Civil)	17	
3	Junior Engineer (Civil)	40	Advertisement already floated. 547 application received. Due to COVID-19 pandemic lockdown, written examination could not be conducted.
4	Section Assistant	8 ie (6 unreserved & 2 PwD)	Written examination already conducted and written result is not yet declared
Persons with Disability (PwD) Quota			
Sl No	Name of posts	No of Posts	Status
1	Junior Engineer(Civil)	2	Administrative Department has been requested to send proposal for conducting exam to MSSSB on 17.3.2020
2	UDC	1	
3	Overseer	1	
4	LDC	2	Due to COVID-19 pandemic lockdown, advertisement could not be floated.
B. NEWLY CREATED POST			
Sl No	Name of posts	No of Posts	Status
1	Public Relations Officer	1	Administrative Department has been requested to refer to I&PR Department to fill up the post from MIS cadre on 12.3.2020
2	Legal Officer	1	Adminstrative Department has been requested to refer to Law & Judicial Deptt. to fill up from MLS cadre on 12.3.2020
3	Librarian	1	Proposal for filling up of the post by Direct recruitment was submitted to State Government on 12.3.2021

Mizoram Road Fund Board Secretariat :			
Sl No	Name of posts	No of Posts	Status
1	Chief Executive Officer	1	Proposal for filling up of 18 posts for establishment of MRFB has been submitted to State Government on 13.3.2020,
2	Dy.Chief Executive Officer	1	
3	Manager(Finance)	1	
4	Manager	2	
5	Joint Manager	2	
6	UDC	1	
7	Steno-III	1	
8	LDC	2	
9	Despatch Rider-III	1	
10	Group D	6	
C PROMOTION			
1	2(two) Junior Administrative Grade(NF) of MES(Civil) promoted to Selection Grade of MES(Civil)		
2	1(one) Junior Administrative Grade(NF) of MES(Arch) promoted to Selection Grade of MES(Arch)		
3	1(one) Senior Grade of MES(Arch) promoted to Junior Grade (NF) of MES(Arch)		
4	1(one)Junior Grade of MES(Arch) promoted toSenior Grade (NF) of MES(Arch)		
5	5(five) Junior Grade of MES(Civil) (Direct) promoted to Senior Grade of MES(Civil) (NF)		
6	10(ten) Junior Grade of MES(Civil) (NF)) promoted to Senior Grade of MES(Civil) (NF)		
7	1(one) Junior Engineer(Civil) promoted to Junior grade of MES(Civil)		
8	1(One) Draftsman Grade - II promoted to Draftsman Grade - I		
9	2(two) Draftsman Grade III promoted to Draftsman Grade - II		
10	15(fifteen) LDC promoted to UDC		
11	8(eight) Driver Grade - I upgraded to Special Grade		
12	LDE for promotion of LDC to UDC (20 posts) conducted		
D REGULARISATION			
1	17(seventeen) Workcharged Overseers regularised		
2	1(one) Workcharged Electrician Grade - II regularised		
E NEWLY APPOINTED			
1	15(fifteen) JE(Civil) appointed		
2	1(one) LDC Co-Terminus appointed		
F CONFIRMATION			
1	15 Drivers confirmed		
G Financial Upgradation of Pay under MACPs 2010			
1	7(seven) Group B granted		
2	15(fifteen) Group C granted		
3	9 (nine) Group D granted		

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