

CHAPTER-I

ORGANISATIONAL SETUP

The Public Works Department, Manipur executes all the works of construction / maintenance of Roads & Bridges in the State of Manipur except for a few roads under the B.R.O, Rural Development Organisation etc. Besides, the Department also execute the work of construction / maintenance of all Public Administration Buildings, Rental Housing and functional buildings of all the Departments in the State of Manipur except buildings of Police Department. The Public Works Department is also executing various schemes of other Departments as a deposit work.

The Chief Engineer who is the head of the Department is assisted by 1(one) Chief Engineer (Mech & Electrical), 3(three) Addl. Chief Engineers and 8 (eight) Superintending Engineers at Senior level. Superintending Engineer-IV upgraded to Chief Engineer (Mech & Elect)..

The Chief Engineer is also assisted by one Senior Architect in the matter of design & drawing. All the matter relating to accounts and Court cases, the Financial Adviser and the Legal Adviser assist the Chief Engineer.

There are 33 working Divisions in the Department. Every District has a minimum of one Divisional Office for executing the works pertaining to the P.W.D. Jiribam Sub-Division has one full fledged Division. 6 (six) Divisions have been assigned for taking up works related with PMGSY exclusively.

CHAPTER-II

ACTIVITIES AND PERFORMANCE

2.1. ROADS AND BRIDGES :

The State of Manipur having a total area of 22.327 sq km. is mountainous except about 9% of the area which forms the valley portion of the State comprising of four districts, namely Imphal East, Imphal West, Bishnupur and Thoubal. The Road Transport is the only means of communication for development of the State as there are no inland Waterways, Railways and Ropeways. All the development activities depend entirely on the road transport facilities.

The total length of roads in Manipur by the end of March 2009 including National Highways, NEC, BRTF & other Roads is **12618** Km.

The Revised Financial outlay under Annual Plan 2010-2011 for MH:5054 (Plan) i/c SPA is **Rs. 29607.41 lacs**.

The Department has also taken up works under SDF funding during 2010-2011 for which the details are as annexed below:

Out of **Rs. 29607.41 lacs**, a sum of **Rs.15000.00 lacs** has been earmarked under SPA for upgradation of roads and construction of hill district link roads. List of roads improved during 2010-2011 under One Time SPA are given below and the Department has achieved 60% physical target.

List of works taken up under SPA 2010-2011.

Sl. No.	Name of Work
1	2
	ROADS & BRIDGES
	BRIDGE DIVISION
1	Constn. Of Bridge over Chakpi River at Serou
2	Constn. Of Bridge over Luwangli River on Lamdeng Awang Leikai
3	Constn.of Bridge over Nambul river at Samushang.
4	Constn. Of Pucca bridge over Thoubal river at Thoubal Ningombam.
5	Completion of pucca bridge over Heiilok river at Longa Koireng
6	Constn. Of Bridge over Imphal River at Nilakuthi,
7	Constn. Of Bridge over Thoubal river at Moijing.
8	Constn. Of Yairipok Bridge .
9	Constn. Of approach road at Singjamei Bridge i/c Traffic Rotary.
10	Constn. Of Bridge over Imphal at Sekmajjin Khunou Komlakhong Mapa.
11	Constn. Of Bridge over Imphal river at Heingang Awang Leikai

	IMPHAL EAST DIVISION
1	Upgradation Of Imphal Yairipok road (Bad stretches).
2	Upgradation Of Checkon road to Ningthem Pukhri.
3	Upgradation Of Tinseed Road
4	Upgradation Of Ayangpalli road.
5	Upgradation Of road from Amom Thong to Kongba Bridge on both side.
6	Upgradation Of Internal road in and around Iril Valley and Lamlong
7	Upgradation of internal roads in and around at Andro
8	Upgradation of road at Kyamgei Khoirom Leikai and Trio Pungsungbam Leikai.
9	Constn. Of road from Lamlai to Pungdongbam via Chalou- Uyungmakhong with a bridge over Itam River.
10	Upgradation Of road from Singjamei Bridge to Kongba Irong Bridge via Panthoibi Bazar.
11	Upgradation Of road at Heingang Marjing Mayai Lambi..
12	Upgradation Of road in and around Konjeng Poila Leikai.
13	Upgradation Of Internal development of Wangkhei and Bamon Leikai.
14	Upgradation Of Sagolmang, Patlou, Khewa, Pukhao Khabam Ring road connecting State Highway No. 7.
15	Upgradation Of road from Yairipok to Keithelmanbi (Left out portion)
	IMPHAL WEST DIVISION
1	Construction of Internal road of Lamphelpat Area
2	Construction of I.K. Road
3	Construction of road for Sewerage Project.
4	Constn. Of RCC drain for Babupara Colony.
5	Upgradation Of road connecting Thangal Bazar / Paona Bazar near Ima Keithel.
6	Upgradation Of Moirangmayum Leirak Kwakeithel connecting Meino Leirak, Takhel Leikai, Khwainingthou Leirak, Haorakchanbi, Thanaojam Leikai, Sayang Pukhri Mapal, Waheng Leikai, Salam Leikai and Vijoygovinda Amudon Akham Leikai.
7	Improvement of Urban-Bye-Pass road via Neikalong and Tarung village and Kangjabi Leirak.
8	Upgradation Of IVR in between Samusang Uku and Iroisemba of Uripok.
9	Upgradation Of road in Patsoi Assembly constituency (left out portion).
10	Upgradation Of road from Senjam Chirang to Kanto Lamkhai via Khurkhul.
11	Upgradation Of Maharabi Tendongyan, Khullen Leikai and Thouriphi road.
12	Upgradation Of road Kamong Langoljam Apeiba upto Phuramakhong and Kamong Maning Sabal.
13	Upgradation of Rd. from Langjing Heinoupok to Mongsang Rd.
	HIGHWAY SOUTH DIVISION
1	Upgradation of road - Hiyangthang Kodompokpi road.
2	Upgradation Of road connecting Mongshangei Thoudam Leirak, Kongjeng Leikai Club Keithel to Monshangei Maning Leikai, Sangaiprou Mamang Leikai IVR, Malom Hawairock and Ningombam Makha Leikai IVR.
3	Upgradation Of road from Karam Leirak at Thokchom Leikai to Waikhom Leikai and Waikhom Leirak Achouba.
4	Upgradation Of road from Samuou Dr. leirak to Wangoi Kabui IVR via Huiem to Abujam Maning Moirangmayum Leirak, Lai Leirak, Moirangthem Leirak, Water Supply Leirak, Pallak Muslim Leirak, Chandranadi and Okram Sarangthem leirak, Paobitek Makha road, Idgah Leirak and Okram Sarangthem Leirak.

5	Upgradation of Laishram Amujao Leirak connecting Sorokhaibam Leikai Ahongsangbam Leikai and Heirangoithong Liwa Little rose Khoupum Gate Via Kujja Bazar and Mairenhong.
6	Upgradation Of road from Mayang Imphal Bishnupur Road to Keidongba via IB, Khoirom, Yumnam, Thana and Sanoujam Leirak.
7	Upgradation of internal linked road of Keishampat.
	BISHNUPUR DIVISION
1	Upgradation of Moirang Kumbi road
2	Upgradation Of road from Old Komkeirap to Shantipur village joining Sadu Khuroi road.
3	Upgradation Of road from Keinyachingjeng to Chingmei Natum- 2.50 Km.
4	Upgradation Of road from Moirang College to Sendra road via Phiwangbam and Phairembam Leikai & Thoya Tronglaobi road and Turenbal Leihelli road.
5	Upgradation Of Khoijuman from NH-150 to Khoijuman mamang via roads in and around Khoijuman.
6	Black topping work of Kumbi-Saiton Road.
7	Upgradation Of Kameshor Rd. from Kwakeithel Chingphu ODR to Sanjenbam Pukhrambam ODR
	THOUBAL DIVISION
1	Upgradation Of Pallel Turning to Sugnu Turning (Left out portion).
2	Upgradation Of IMI Sugnu road left out portion in between 30 Km to 63.40 Km.
3	Upgradation Of Thoubal Yairipok road
4	Upgradation Of Wangoo Lamkhai to Wangoo Bridge.
5	Upgradation Of Salamakhong Nganglow to Jarima Salam Leirakhong road.
6	Upgradation Of road from NH-39 to Moijing Litanpok via Amurijam and Kshetrimayum Leikai i/c constn.of Suspension Bridge over Thoubal River.
7	Upgradation Of road from Pechi Chinglak to Ingourok via Ukhongsang, Hijam Khunou and Shikhong - 10 Km.
8	Upgradation Of Internal ring road of Phundrei and Langathel - 10 Km.
9	Upgradation Of Intern ring road of Kakching.
10	Upgradation of road from Maibam Konjil to Maibam Palli IVR
11	Upgradation Of road from Thongjao to Waikhong inter link road.- 4.50 Km.
12	Upgradation of Uyan - Wangban Road. (SH:- WBM & PC)
	JIRIBAM DIVISION
1	Upgradation Of Sonapur to Lalpani.
2	Upgradation of road -Uchathol to JT road via Candranathpur and Latingkhal - 6.10 Km.
	CHANDEL DIVISION
1	Upgradation Of road from Japhou Lambung road to United College via Mantri Pantha and Mongsang Pantha.
2	Constn. Of Bridge over Kana river at Heikha.
3	Constn. Of Bailey Bridge over Kana River in between 16 Km to 20 Km near Sajik Tampak.
4	Upgradation of Rd. from Khangbarol to Thorcham
5	Upgradation Of road from Umathel to Chandel (Left out portion).
6	Upgradation Of road from Nungpal to Anal Khullen.
7	Upgradation Of road from Mahou Tera to Western Valley ring road.
8	Upgradation of road from Sugnu Tribal to St. Joshep High School.

9	Constn. Of road from Charawanpham to BRTF.
10	Constn. of Chumshel Lamkhai to Toupokpi Jr. High School road via Church Road.
	UKHRUL DIVISION
1	Upgradation Of NH-150 Dungrei to Kaziphung Sacred Heart Higher Secondary School and District Hospital -10 Km.
2	Upgradation Of Shangshak - Phungyar Road surfacing (left out portion) - 30 Km.
3	Upgradation Of Ukhrul Town Eastern Circular Road upto Somsai via St. Joseph College (Left out portion)
4	Upgradation Of road from Molnom to Sanakeithel 9.20 Km (Left out portion).
5	Upgradation Of Tolloi Jn. To Somdal (PC from Tolloi Jn. To Somdal) (Left out portion).
6	Upgradation Of Ukhrul Town Western Circular Road (Left out portion).
7	Constn.of Jeepable suspension Bridge over Thoubal River at Chadong & Sikibung - 2 Nos. i/c approach roads (left out portion).
8	Constn. Of road from NH-150 to IFCD road via Murei.
	TAMENGLONG DIVISION
1	Upgradation Of Tamenglong Hd. Qtr. Ring road. 0 to 18 Km.
2	Constn. Of RCC bridge over Irang River Langkhong Bhalok Road.
3	Upgradation Of Keiphundai Tousem road for the portion from 38 - 45 Km.
	Bishnupur (Hill Section)
1	Upgradation Of Old Thangal Noney Road
2	Constn. Of IVR from Nungnang Khunjao to Leimatak River.
	CHURACHANDPUR DIVISION
1	Constn. Of Churachandpur Town Bye pass internal road western.
2	Constn. Of Town Bye-pass road from Tiddim Road Zouveng to Tipaimukh road Bungmol
3	Upgradation Of Chura-Sugnu road
4	Upgradation Of Thengkew Henglep road.
5	Upgradation Of road from Tiddim road to Ngathal via Kawmpui.
6	Constn. Of road from Tiddim Kaprang to Kholmun.
7	Upgradation Of road from Damdei to H. Maulien.
8	Constn. Of road from Leisen to Tuibum
9	Constn. Of road from L. Kanon to S. Sehken.
	SENAPATI DIVISION
1	Upgradation Of Purul Lakhamei road
2	Upgradation Of District Hd. Qtr. Road.
3	Upgradation Of Maram Purul road.
4	Upgradation Of road from Karong to Thingba Khunou.
5	Upgradation Of road from NH-39 to Potato Firm at Mao.
6	Constn. Of road from Maram Paren road to Maram Mathak Sagei.
	SADAR HILL DIVISION
1	Upgradation Of road from Kangpokpi to Phaicham Veng to Kholmun- 4.00 Km
2	Upgradation of Sagolmang Saikul (Purum Likli to Saikul) - 8.00 Km

3	Upgradation Of road from NH-39 (Kalapahar) to Phoibung via Haipi 0 - 6 Km
4	Upgradation Of Pukhao Kanglatombi road 0 to 21 Km (Motbung to Lamkayang).
5	Upgradation Of road from Saparmeina to Tuipajang - 3 Km.

List of works taken up under SDF 2010-2011.

Sl. No.	Name of Work
1	2
1	Loktak Down Stream i) Thangal to Dam Site ii) Tupul to Thangal
2	None to Maran Ching
3	Acquisition of land for Thoubal River right bank.
4	Impvt. Of NH-53
5	Impvt. Of NH-39 (Senapati to Maram).
6	Impvt. Of Pallel Chandel
7	Compensation of Land Thoubal Bazar.
8	Acquisition of land Singjamei
9	Impvt. Of Leishang Hiden
10	Constn. of RCC Bridge over Ithai River near Mata Khong Molkon.
11	M/o Pheidinga Leimakhong road.
12	Land compensation for Yairipok Bridge approach.
13	Temporary Taxation Check post at Hengbung.
14	Widening of NH-53 from Waheng Leikai to Oriental College Gate.
15	Widening of IMI Road- Phase-I & II from Waheng Leikai to Ningthemcha Karong.
16	Constn. Of Thumbuthong
17	Repairing of Fly over
18	Land compensation for NH-39 Balance portion.
19	State Matching Share (NLCPR/NEC)

During the year, Department has taken up large scale conversion of Multilane from Double lane by providing sufficient fund for acquisition of land, a sum of **Rs. 1820.26 lacs** has been incurred for acquisition of land.

2.2 NLCPR :

Further, the Department has also taken up construction of major Roads & bridges under NLCPR with funds provided by the Ministry of DoNER. The detail of works sanctioned and retained by DoNER are shown below.

Sl. No.	Name of Work	Remarks
1	2	3
	Sanctioned List :	
1	Constn. of Singjamei Bridge	Completed
2	Construction of Bally suspension bridge(360' span) over Barak river on Tamenglong Tousem Halflong Road	
3	Constn. of Bridge at Lamlong in Manipur	Completed
4	Constn. of Bridge at Keishamgthong.	Completed
5	Constn. of bridges over Thoubal River at Thoubal near Babu Bazar.	Completed
6	Constn. of bridges over Thoubal River at Thoubal Haokha.	Completed
7	Constn. of bridges near Leishangthem Bazar.	Completed
8	Constn. of bridges over Thoubal River at Irong Ichil.	
9	Constn. of bridges over Imphal River at Kiyamgei Mang Mapa.	Completed
10	Constn. of bridges over Khuga River at Kumbi, BPR District.	Completed
11	Constn. of bridges over Heirolk River at Heirolk Chingdompok.	Completed
12	Impvt. Of Jiri - Tipaimukh road (8.00 Km to 48 Km)	
13	Impvt. Of Lamshang Khonghampat road (8.54 Km)	Completed
	Newly Sanction:	
1	Impvt. Of Sawombung Sagolmang Road (0 - 12 Km)	
2	Constn. of Bridge over Jaduiki River on Tamei Khuilong Road.	
3	Constn. of Bridge over Layii River on Kharasom - Lazo Layii Road.	
4	Constn. of bridge over Thoubal river at Thoubal Mathak Leikai Keirambi	
5	Constn. of RCC bridge over Iril river at Keirao Litan Makhong, Imphal East.	
6	Constn. of bridge over Imphal River at Mongkhang Lambi, Waikhom Leikai Mapa, Imphal East.	
	Retained List :	
1	Constn. of bridges over Challow River between Chingai and Tusom.	
2	Constn. of Bridge over Akangui river on Tamei Kuilong Road.	
3	Constn. of bridge over Iril River at Chingarel Mapa, Imphal East.	
4	Widening and improvement of road from Khongman Mangjil to Khongman Okram Chuthek.	
5	Constn. of Bridge over Imphal River at Moirangkhom (Old Thumbuthong).	
6	Constn. Of Road from Aibulon to Bungbilon - 25 Km Churachandpur.	
7	Impvt. Of Kamjong to Maokot - 25 Km.- Ukhrol.	
8	Composit Check post at Taphou	
9	Constn. of RCC bridge over Iril river at Tinseed Road.	

2.3 VILLAGE CONNECTIVITY (PMGSY)

Programme for village connectivity including improvement of IVR has been taken up with the fund provided by RD&PR Deptt., Government of Manipur, under PMGSY.

2.4 CENTRAL ROAD FUND (C.R.F.):-

Department has also taken up construction of major roads & bridges under Central Road Fund. The detail of works are as under.

Sl. No.	Name of Work	Remarks
1	2	3
UNDER REVAMPED SCHEME :		
1	Reconstn.of Pishumthong bridge over Nambul river	Completed
2	Re constn of Yairipok bridge over Thoubal river	Completed
3	Reconstn. Of Irilbung bridge over Iril river i/c. approaches.	Completed
4	Impvt. Of Churachandpur –Singhat-Behiang Rd. (Km 84.75 to Km 92.00)	Completed
5	Impvt of Mayang Imphal to Chakpikarong rd. via Sugnu turning	Completed
6	Impvt.of Imphal-Yairipok Road 0 - 22 Km	Completed
7	Impvt of Sagolmang Saikul road 27.3 - 35.3 Km.	Completed
8	Impvt of Koirengei Sekmai Rd(0Km to 7.50 Km)	Completed
9	Impvt. Of Old Cachar Road 47 to 74 Km	
10	Impvt. Of Nunghar-Khamasom-Poi-Chingai Road (Phase-I) 0.16 Km .	
11	Constn. Of Salanthong Bridge over Imphal River.	
12	Impvt. Of road from Lamdan to Khoupum.	
13	Impvt. Of Moirang Sendra road (length=2.14 Km) in Manipur.	
14	Impvt. Of road Lungngil to Khaukual 0 to 13 Km in Manipur	
15	Impvt. Of Yairipok Chandrakhong road - 8 Km in Manipur.	
16	Impvt. Of road from Wangoo Lamkhai to Wangoo 0 Km to 6 Km (SH:- Impvt. To double lane standard) in Manipur.	

INTER STATE CONNECTIVITY:

Department has also taken up the following works under ISC Scheme.

- i) Construction of Lungthuline (Manipur to Vangbawng (Mizoram) road Km 12.00 - 22.00 Km amounting to Rs. 4.566 crores.
- ii) Constn. of road from Besho (Senapati District, Manipur) to Phek Distirict (In Nagaland) – 27 Km amounting to Rs. 8.934 crores

ECONOMIC IMPORTANCE (EI) :

Sanction for "Impvt. Of Old Cachar road from Km 0.00 to 41.90 Km " amounting to Rs. 35.14 crores which is 50% State Share and 50% Central Share has been obtained on 11-02-2009.

2.5 NATIONAL HIGHWAYS

The total length of National Highways in Manipur is 960.595 km. out of which the length of NH under PWD, Manipur is 282.12 kms only. The remaining 678.475 km is under the BRO. The break-up of the length of NH is as below :

National Highways	B.R.O.	P.W.D.	TOTAL
1) NH No.-39		214.00	214.00
2) NH No. -53	219.00	3.00	222.00
3) NH No. -150	437.00	86.00	523.00
	656.00	283.00	959.00

Sl. No.	Name of Work	Remarks
1	2	3
1	Widening to 4 lane i/c side drain from 323.33 Km to 326.66 Km Imphal Moreh Section on NH-39	Started
2	Impvt. Of road from 338 Km to 353 Km Imphal Moreh Section.	5 Km completed
3	Impvt. Of road from 359 Km to 366 Km on Imphal Moreh Section	1 Km Completed
4	Impvt. Of road from 366 Km to 387.50 Km on Imphal Moreh Section.	7.5 Km completed
5	Strengthening from 304 Km to 311 Km on Mao Maram Section.	3 Km completed.
6	Strengthening from 263 Km to 272 Km on Mao Maram Section.	2 Km completed.
7	P.R. from 311 Km to 317.60 Km and 212.325 Km to 235.80 Km on Mao Maram Section .	Being started.

2.6 N.E.C. ROADS :

Details of work taken up under NEC are shown below :

<u>Sl. No.</u>	<u>Name of Road</u>	<u>Phy. Progress</u>
1	ISBT at Khuman Lampak	55% completed
2	Impvt.of road from Tamei to Tamenglong – newly sanction.	Being started
3	Impvt. Of road from Kangpokpi to Tamei	Being started
4	Bishnupur Nungba Road	DPR being submitted to NEC

2.7 Border Area Development Programme (BADP) :

The Department has also taken up work " Constn. of road from Kamjong (Block-cum-Sub-Division Head Quarter) Assam Rifles Bn. Headquarter to Kongkan Thana (Huimin) via Bongpa, Grihang, Ningchow, Nambisa(AR Post)" under BADP

2.8 ROAD TRANSPORT(ISBT) :

Necessary sanction for improvement of Inter State Bus Terminus at Khuman Lampak was obtained for a cost of Rs. 26.40 crores from the NEC and work is in good progress..

CHAPTER-III

2.9 PUBLIC ADMINISTRATIVE BUILDING (PAB)

Due to constraint of fund the department could not take up major improvement works of PAB buildings during the last few years. During the period, construction of Manipur Bhavan at Guwahati in phase manner is in progress and Impvt. of Bir Tikendrajit Bhavan at New Delhi has also been taken up

The revised Financial outlay under Annual Plan 2010-2011 for MH:4059 (Plan) i/c SPA is **Rs. 18697.21 lacs.**

1. Constn. Of Secretariat Western Block has been completed.

The following important buildings are in progress.

1. Constn. Of Capital Complex for Assembly Sectt. & High Court Bldg.

The construction of Mini Sectt Complex at Thoubal has been completed and Imphal East is nearing completion. Further the construction of Mini Sectt. at all District Hd. Qtr. are in good progress. Foundation stone for the proposed complex at Churachanpur has also been laid. The 3 ADC complexes at Kangpokpi, DC Ukhrul is ready for inauguration and Moreh are targeted for completion by 9/2011.

3.0 RENTAL HOUSING :

The Financial outlay under Annual Plan 2010-2011 for MH:4216 (Plan) i/c SPA is **Rs. 1024.00 lacs.**

Most of the works taken up during 2010-2011 were for Construction of residential buildings at Hill District and are in god progress. The Constn. Of Secure Accommodation at Chingmeirong and Residential Bungalow for Speaker/Dy Speaker and Chairman, Hill Area Committee are in good progress .

Two more projects i.e. Constn. of Guest House, one at Siroy in Ukhrul District and one at Nungkao in Tamenglong District has also been enhanced and being taken up under this Department.

3.1 FUNCTIONAL BUILDINGS :

Department has taken up Construction / improvement of medical buildings with Rs. 30.03 lacs fund provided under MH:4210(Medical).

During the period, Department has taken up the following important buildings as Deposit works.

- | | | | |
|------|-----------------------------|---|-------------|
| i) | City Convention Centre | - | In progress |
| ii) | Nupi Market | - | Completed. |
| iii) | Sopping Complex at Thoubal. | - | In progress |
| iv) | Infrastructure of JNIMS | - | In progress |

CHAPTER-IV

3.2 QUALITY CONTROL :

There is one Monitoring & Quality Control Division at Porompat under the supervision of one Executive Engineer with many sophisticated appliances installed in the laboratory for conducting necessary quality test for the construction materials before use in the construction works for achieving good quality. The Executive Engineer, is also authorised to do monitoring at site , progress of works by carrying out random checking and quality of works in progress/already completed.

Before construction of important building/bridges necessary sub-soil exploration along with testing are done after collection of necessary soil datas .

To improve quality of works, mechanisation has been introduced in road construction and improvement work by utilizing Hot Mix Plant, Paver Finisher etc.

--(o)--

