

# **ANNUAL ADMINISTRATIVE REPORT**

YEAR 2015 - 16



**Government of Assam**

**PUBLIC WORKS ROADS DEPARTMENT**

## CONTENTS

Chapter No.	Chapter Title	Page No.
1.	Mandate of the Department	5
2.	Organizational Structure of the Department	6
3.	Powers & Duties of the officers	15
4.	Activities of the Department	18
5.	Plan & Non-Plan Budget of the Department	23
6.	Targets & Achievements	25
7.	New initiatives to improve department's functioning	26
8.	Photo Gallery	36
9.	Incumbency of Secretaries, PWD	42



*Assam Public Works Department (PWD) has a history contemporary to the Central Public Work Department (CPWD) of India. The CPWD was established in July, 1854 by Lord Dalhousie in Ajmer Provincial Division. In Assam, PWD came into existence in 1880. Public Works Department (PWD) was the only Department entrusted for infrastructure development responsibilities, including construction as well as maintenance of the assets till 1956. The department was bifurcated into Embankment & Drainage (E&D) and Public Works Department in 1956. Again the PWD was bifurcated into two Department viz – Public Works Roads Department and Public Works (Building & NH) Department on 5th May 2010.*

## FOREWORD

Public Works Department is a very old Department, it was established in 1880 under British Rule and since beginning it has the responsibility for planning, budgeting construction of and maintenance of Roads, Bridges, Public Buildings, etc.

Public Works Roads Department (PWRD) has made an epoch making achievement of Road and RCC bridge construction. In spite of constraints of capacity among the contractors, skilled labours, trained/ experienced Engineers, machineries & equipment, less working season, prolonged rainy days – PWRD has constructed more than 25000 Km Blacktopped/ all weather roads and more than 4500 number RCC bridges.

PWRD has taken up many ways to strengthen the capacity of the Engineers and other staffs of the department. First and foremost, to facilitate training for Engineers, the erstwhile Road Research Laboratory (RRL) has been upgraded to Road Research & Training Institute and regular training programs are being conducted. Experienced faculties from IIM Ahmedabad, IIT Guwahati, experienced faculties/ expertise from private and Govt. institutions from outside Assam as well as from abroad have been hired to provide training in the ARRTI. Departmental Engineers are provided training in the subjects like – Project Management, Contract Management, DPR preparation, Accounting and disbursement of World Bank and ADB aided projects, Road Safety, Design of RCC bridge, Social and Environment impact, Quality Control and Quality Assurance etc. Departmental Ministerial staffs are also trained for general computer training. Contractor and contractor engineers are also trained on bidding documents, procedure of Road construction and bridge construction.

Further, for capacity building and to bring exposure, Engineers are in batches deputed for attending training at NITHE, Noida; PMI, North India Chapter, Delhi; NICMAR, Pune; ASCI, Hyderabad and also to the Abroad like – Birmingham University, UK; RMIT, Melbourne, Australia; KICT, Seoul.

Public Works Roads Department has also taken bold steps to use E-tendering system to streamline and to bring more transparency in the tendering process since 2005. PWRD has also developed an e-portal computer system to perform all its day to day business process with computer on line system. Already 7 (seven) modules have been developed viz –

- |                                     |                       |
|-------------------------------------|-----------------------|
| 1. DPR preparation and approval     | 5. HR                 |
| 2. Vendor / Contractor Registration | 6. Procurement        |
| 3. Grievance Redressal              | 7. Project Management |
| 4. Content Management               |                       |

In addition to that – Road Asset Management module and Quantity estimation tools are being developed. Now Department can do all its work in computer systems. The e-portal computer systems will bring more transparency, accountability in functioning the Departmental work.

The Assam PWD code and Assam Engineering PWD Service Rules 1978 are also in process of Revision.

The department has adopted Road maintenance Policy and Road maintenance Rules has already been framed and the performance based maintenance system has been introduced for repair and maintenance of Roads.

The Road Maintenance Fund Rules has also been set up, so that adequate fund can be collected for repair and maintenance of Roads.

To keep pace with the latest development in road construction technologies, PWRD has taken steps to use innovative technologies in road construction. Already Cold Mix technology has been used for black topping of Road and Rhenolith and Evocrete technology have been piloted for road construction. Now Deptt.is looking forward for wide use of these technologies.

Considering the importance of road safety, PWRD has currently taken to construct safe road by providing all elements for road safety measures so that road accdient can be reduced. PWRD is also co-ordinating all stake holder Departments viz. – Police, Transport, Health and Education to take necessary measures for Safe Roads.

The Road Amingaon to Kalitakuchi Road is being improved as a Road safety demonstration corridor.

The Annual Administrative Report of the PWRD for 2015-16 is prepared as and endeavor inter alia to represent the activities taken up by the Department during the year.



**(M. C. Boro)**  
Commissioner & Spl. Secretary  
to the Govt. of Assam, PWRD,  
Dispur, Guwahati-781006

# Annual Administrative Report of the Public Works Roads Department for the Financial year 2015-16

---

## CHAPTER - 1

### MANDATE OF THE DEPARTMENT

#### 1.1 Functions, role and responsibilities:

The Assam Public Works Roads Department was established in the year 1880 under British Rule. At the beginning it had the responsibility for all public infrastructure development, construction, and maintenance work, but, in the year 1956 the Embankment and Drainage (E&D) was established as an independent Department. Assam PWD has undergone considerable changes since independence and for smooth functioning of the organization, and also to distribute the increasing work load and for providing more stress to development works, the Assam PWD has been bifurcated into two viz. Public Works Roads Department and Public Works Building & NH Department

The principal function of the Public Works Roads Department (PWRD) is to develop the road infrastructure for transport & communications of the State. The PWRD discharges its function in construction and repair of roads, bridges, culverts in the state.

#### 1.2 Acts & Rules administered by the Public Works Department is given in Chapter-6.



*The Assam Engineering (PWD) Service Rules was framed in 1978 and is amended time to time for regulating recruitment and promotion of Engineers*

## CHAPTER – 2

**ORGANIZATIONAL STRUCTURE OF THE DEPARTMENT**

The Assam PWD (Roads) Department comprises of 3 (Three) Directorates headed by Chief Engineers. The Administrative Department in the Secretariat is headed by a Commissioner & Special Secretary and he is assisted by one Secretary. They are assisted by four Deputy Secretaries and five under Secretaries. List of the officers and their duties at respective levels are shown below:-

**2.1 Administrative Department:****ORGANIZATION AT THE SECRETARIAT LEVEL**

Sl. No.	Designation	No. of Post
1	Commissioner & Special Secretary, PWRD	1
2	Secretary, PWRD	1
3	Deputy secretary	
	(i) Deputy Secretary P.W.D. (Estt. & Confidential)	1
	(ii) Deputy Secretary P.W.D. (Planning & Budget)	1
	(iii) Deputy Secretary P.W.D. (Audit/Materials)	1
	(iv) Deputy Secretary, P.W.D. (Works)	1
5	Under Secretary	
	(i) Under Secretary P.W.D. (Estt.)	1
	(ii) Under Secretary P.W.D. (Communication)	1
	(iii) Under Secretary P.W.D. (Planning)	1
	(iv) Under Secretary P.W.D. (Audit)	1
	(v) Under Secretary P.W.D. (Bill)	1
6	Sr. Financial Adviser ( Sr FA)	1
7	Research Officer (RO)	1

## Directorates of the Department

The Directorate is headed by Chief Engineers:-

1. Chief Engineer (Roads)
2. Chief Engineer ( Border Roads)
3. Chief Engineer ( ARIASP & RIDF)

Additional Chief Engineers in the Office of the Chief Engineer (Roads)

1. Addl. C.E. (Planning)
2. Addl. C. E. (Western Zone)
3. Additional C.E.(Mechanical)

Superintending Engineers in the Office of the Chief Engineer (Roads)

1. Superintending Engineer (Planning)
2. Additional Director (Design)
3. Superintending Engineer (NEC)

Superintending Engineers in Office of the Chief Engineer (Border Roads)

1. Superintending Engineer (IBRC)

Executive Engineers in the Office of the Chief Engineer (Roads)

1. EE ( Development Branch)
2. EE (Communication)
3. EE (Bridge)
4. EE ( NEC Roads)
5. EE (NEC Bridge)
6. Assistant Chief Engineer

Executive Engineers in the office of the Chief Engineer (Border Roads)

1. EE ( IBRC Roads)
2. EE (IBRC Bridge)

Zonal office headed by Additional Chief Engineer:-

1. Addl. C.E. Eastern Zone, H.Q. at Dibrugarh.
2. Addl. C.E. Tezpur Zone, H.Q. at Tezpur.
3. Addl. C.E. Diphu, H.Q. at Diphu.
4. Addl. C.E. Haflong, H.Q. at Haflong.
5. Addl C.E. BTC, Kokrajhar

**Circle Office headed by Superintending Engineer (SE) :**

1. Guwahati Road Circle , H.Q at Guwahati
2. Guwahati ARIASP Circle . H.Q at Guwahati
3. RIDF II Circle, HQ at Guwahati
4. Nalbari Road Circle, H.Q. at Nalbari
5. Western Assam Road Circle, H.Q. at Goalpara
6. Cachar Road Circle , H.Q. at Silchar
7. Hamren Road Circle , H.Q. at Hamren
8. Diphu Road Circle, H. Q. at Diphu
9. Haflong R&B Circle, H.Q. at Haflong
10. Nagaon Road Circle, H.Q. at Nagaon
11. Jorhat Road Circle, H.Q. at Jorhat
12. Dibrugarh Road Circle, H.Q. at Dibrugarh
13. N. Lakhimpur Road Circle, H.Q at Lakhimpur
14. Tezpur Road Circle, H.Q. at Tezpur
15. Mangaldoi Road Circle, H.Q. at Mangaldoi
16. Karimganj BRC Circle, H.Q. at Karimganj
17. Guwahati NEC Circle, H.Q. at Guwahati
18. Haflong NEC Circle, H.Q. at Sicha
19. Jorhat NEC Circle, H.Q. at Jorhat
20. Lower Assam Mechanical Circle, H.Q. at Guwahati
21. Upper Assam Mechanical Circle, H.Q. at Jorhat

**There are 6 (six) independent cells under Chief Engineer (Roads).**

1. **Traffic Engineering Cell** - deals with analysis of traffic data for design of Roads and Bridges. The cell is headed by an SE.

2. **Pre-registration Training Cell** - deals with training for unemployed youths, those who are willing to register as contractors under PWRD. The cell is headed by an SE.

3. **RDQP(ResearchDevelopment and Quality Promotion) Cell** - deals with development of innovative construction methodology and quality assurance of contractors The cell is headed by an EE.

4. **Metric Cell** - deals with conversion of units and the cell is headed by an EE.

5. **Assam Road Research & Training Institute (ARR&TI),the erstwhile Road Research Laboratory (RRL)** - deals with the regular training programs for the engineers/ work-force/ of the department on Project Management, Contract Management, DPR Preparation, Quality Control, Quality Assurance, Road Safety, etc. . The ARR&TI also deals with testing of construction materials and it is involved for co-ordinating the quality assurance / control of PMGSY works. The cell is headed by a Director in the rank of Addl CE.

6. **SATC (Section Assistant Training Centre)** - deals with the training of Section Assistants , i.e., field Supervisors in the subject – survey, construction materials, workmanship, etc. The centre is headed by an AEE.



**Divisional / Sub Divisional offices headed by  
Executive Engineers and Asstt. Executive Engineers:**

Roads:

Sl.	District	Name of Division	Sl.	Name of Sub-Division
1	Kamrup Metro	GuwahatiCity Division - I	1)	City Sub-Division - I
			2)	City Sub-Division - II
2		GuwahatiCity Division - II	3)	City Sub-Division - III
			4)	City Sub-Division - IV
3		GuwahatiCity Division - III	5)	City Sub-Division - V
			6)	City Sub-Division - VI
4	North Guwahati State Road Division	7)	Guwahati State Road Sub-Div. - I	
		8)	Guwahati State Road Sub-Div. - II	
5	Kamrup	Guwahati Road Division	9)	Boko Road Sub-Division
			10)	Guwahati East Road Sub-Division
			11)	Guwahati West Road Sub-Division
			12)	Hajo Rural Road Sub-Division
			13)	Jalukbari Rural Road Sub-Division
			14)	Mirza Rural Road Sub-Division
6		Rangia Rural Road Division	15)	Rangia Rural Road Sub-Division
7	Nalbari	Nalbari Rural Road Division	16)	Nalbari Rural Road Sub-Division
			17)	Barama Rural Road Sub-Division
			18)	Chamata Rural Road Sub-Division
			19)	Dhamadhama Rural Road Sub-Division
			20)	Mukalmuwa Rural Road Sub-Division
8		Nalbari State Road Division	21)	Nalbari State Road Division - I
			22)	Nalbari State Road Division - II
9	Barpeta	Barpeta Rural Road Division	23)	Barpeta Rural Road Sub-Division
			24)	Sorbhog Rural Road Sub-Division
			25)	Pathsala Rural Road Sub-Division
10		Barpeta State Road Divn.	26)	Barpeta state Road Sub-Division - I
11	Baksa	Musalpur (R&B) Division	27)	Masalpur (R&B) Sub-Division
			28)	Salbari (R&B) Sub-Division
			29)	Tamulpur Rural Road Sub-Division
			30)	Goreswar Rural Road Sub-Division
12	Chirang	Chirang (R&B) Division	31)	Bijni (R&B) Sub-Division
			32)	Bengtol Rural Roads Sub-Division
13	Bongaigaon	Bongaigaon Rural Road Division	33)	Abhyapuri Rural Road Sub-Division
			34)	Bongaigaon Rural Road Sub-Division
			35)	Bongaigaon Rural Road Sub-Division - II

Sl.	District	Name of Division	Sl.	Name of Sub-Division
14		Bongaigaon State Road Division	36)	Bongaigaon State Road Sub-Division- I
			37)	Bongaigaon State Road Sub-Division- II
15	Kokrajhar	Kokrajhar Rural Road Division	38)	Gosaigaon Rural Road Sub-Division
			39)	Kachugaon Rural Road Sub-Division
			40)	Kokrajhar Rural Road Sub- Divn.
16	Dhubri	Dhubri Rural Road Division	41)	Bilasipara Rural Road Sub-Division
			42)	Dhubri Rural Road Sub-Division
17	Goalpara	Goalpara Rural Road Division	43)	Goalpara Rural Road Sub-Division
			44)	Dudhnoi Rural Road Sub-Division
18	Cachar	Silchar Rural Road Division	45)	Silchar Rural Road Sub-Division - I
			46)	Silchar Rural Road Sub-Division - II
			47)	Katigarah Rural Sub-Division
19	Hailakandi	Hailakandi Rural Road Division	48)	Hailakandi Rural Road Sub-Division - I
			49)	Hailakandi Rural Road Sub-Division - II
20	Karimganj	Karimganj Rural Road Division	50)	Karimganj Rural Road Sub-Division
			51)	Nilambazar Rural Road Sub-Division
			52)	Patharkandi Rural Road Sub-Division
21	Karimganj / Hailakandi	Karimganj State Road Division	53)	Karimganj S. R. Sub-Division
			54)	Hailakandi S. R. Sub-Division
22		Haflong Road Division	55)	Doyangmukh Br. Const. Sub-Div.
			56)	Gunjung Road Sub-Division
			57)	Haflong 'C' Road Sub-Division
23	N.C. Hills	Mahur Road Division	58)	Haflong 'B' Sub-Division
			59)	Harangajao Road Sub-Division
24		Maibong (R&B) Division	60)	Lumding Const. Sub-Division
			61)	Maibong (R&B) Sub-Division
			62)	N.H. Survey Sub-Division
25		Diphu Road Division	63)	Diphu Road Sub-Division - I
			64)	Diphu Road Sub-Division - II
26		Barpathar Road Division	65)	Barpathar Road Sub-Division
			66)	Chowkiholo Rural Road Sub-Division
			67)	Sarihjan Road Sub-Division
27	Karbi Anglong	Bakulia Road Division	68)	Bakulia Road Sub-Division
			69)	Chamelangsu Road Sub-Division
28		Dokmoka Road Division	70)	Dokmoka Road Sub-Division
			71)	Dokmoka Survey Sub-Division
29		Baithalangsua Road Division	72)	Baithalangsua Road Sub-Division
			73)	Kheroni Road Sub-Division
30		Hamren Road Division	74)	Hamren Road Sub-Division

Sl.	District	Name of Division	Sl.	Name of Sub-Division
			75)	Rongbongwe Road Sub- Division
31	Karbi Anglong	Umpanai Road Division	76)	Umpanai Road Sub-Division
			77)	Ulukunchi Road Sub-Division.
			78)	Umwang Road Sub-Division.
			79)	Kohora Road Sub-Division.
32		Kohora Roads Division		
33	Dhemaji	Dhemaji Rural Road Division	80)	Dhemaji Rural Road Sub-Division
			81)	Jonai Rural Road Sub-Division
			82)	Silapathar Rural Road Sub-Division
34		Dhemaji State Road Divn.	83)	Dhemaji State Road Sub-Division
35	Lakhimpur	Lakhimpur Rural Road Division	84)	North Lakhimpur Rural Road Sub-Division
			85)	Dijukimin Rural Road Sub-Division
			86)	Laluk Rural Road Sub-Division
36		Lakhimpur State Road Division	87)	Lakhimpur S. R. Sub- Division - I
			88)	Lakhimpur S. R. Sub- Division - II
37	Sonitpur	Sonitpur Rural Road Division	89)	Chariali Rural Road Sub-Division
			90)	Tezpur Rural Roads Sub-Division
38		Sonitpur State Road Division	91)	Dhekiajuli State Road Sub-Division
			92)	Gohpur State Road Sub-Division
39		Nagaon Rural Road Division	93)	Nagaon Rural Road Sub-Division
			94)	Doboka Rural Road Sub-Division
			95)	Bordua Rural Road Sub-Division
40	Nagaon	Nagaon State Road Division	96)	Nagaon State Road Sub-Division
			97)	Udali State Road Sub-Division
			98)	Jagiroad State Road Sub-Division
41		Kaliabor Rural Road Division	99)	Kaliabor Rural Road Sub-Division
			100)	Samuguri Rural Road Sub-Division
42	Morigaon	Morigaon Rural Road Division	101)	Morigaon Rural Road Sub-Division
			102)	Mayang Rural Road Sub-Division
43		Morigaon State Road Division	103)	Morigaon State Road Sub-Division- I
			104)	Morigaon State Road Sub-Division- II
44		Sarupathar Rural Road Divn.	105)	Sarupathar Rural Road Sub-Divn
45	Golaghat	Golaghat Rural Road Division	106)	Golaghat Rural Road Sub-Division
			107)	Dergaon Rural Road Sub-Division
46		Golaghat State Road Division	108)	Bokakhat State Road Sub-Division
			109)	Golaghat State Road Sub-Division
47	Jorhat	Jorhat Rural Road Division	110)	Jorhat (West) Rural Road Sub-Division
			111)	Majuli Rural Road Sub-Division
			112)	Nakachari Rural Road Sub-Division

Sl.	District	Name of Division	Sl.	Name of Sub-Division
48		Jorhat State Road Division	113)	Titabor Rural Road Sub-Division
			114)	Jorhat State Road Sub-Division
			115)	Titabor State Road Sub-Division
49	Sivasagar	Sibsagar Rural Road Division	116)	Sibsagar Rural Road Sub-Division
			117)	Amguri Rural Road Sub-Division
			118)	Dimou Rural Road Sub-Division
			119)	Nazira Rural Road Sub-Division
50		Sibsagar State Road Division, Nazira	120)	Sibsagar State Road Sub-Division- I
51		Charaideo Rural Road Division, H.Q. at Sonari	121)	Sibsagar State Road Sub-Division- II
			122)	Moranhat Rural Road Sub-Division
52	Dibrugarh	Dibrugarh Rural Road Division	123)	Sonari Rural Road Sub-Division
			124)	Dibrugarh Rural Road Sub-Division
			125)	Dibrugarh State Road Sub-Division
			126)	Moran Rural Road Sub-Division
			127)	Naharkatia Rural Road Sub-Divn.
53	Tinsukia	Tinsukia Rural Road Division	128)	Tengakhat Rural Road Sub- Divn.
			129)	Tinsukia Rural Road Sub-Division
			130)	Doomdoma Rural Road Sub-Division
			131)	Chapakhowa Rural Road Sub-Division
54		Tinsukia State Road Division	132)	Margherita Rural Road Sub- Divn.
			133)	Margherita State Road Sub- Divn.
			134)	Tinsukia State Road Sub-Division
55	Udalguri	Udalguri Rural Road Division	135)	Naharkatia NEC Sub-Division
			136)	Mazbat Rural Road Sub-Division
			137)	Udalguri Rural Road Sub- Divn.
56	Darang	Mangaldoi Rural Road Division	138)	Tangla Rural Road Sub-Division
			139)	Mangaldoi Rural Road Sub- Divn.
			140)	Dolgaon Rural Road Sub-Division
57		Mangaldoi State Road Division	141)	Sipajhar Rural Road Sub-Division
			142)	Mangaldoi State Road Sub-Division- I

## Border Roads:

Sl	Name of Division	H.Q.	Sl	Name of Sub- Division	H.Q.
58	BRC Division, Badarpur		143)	Patharkandi BRC Sub-Division	Patharkandi
			144)	Mankachar BRC Sub-Division	Mankachar
			145)	Gumrah BRC Sub-Division	Gumrah

NEC:

SI	Name of Division	H.Q	SI	Name of Sub- Division	H.Q
59	Guwahati NEC Division	Guwahati	146)	Guwahati NEC Sub-Division-I	Guwahati
			147)	Barpeta NEC Sub-Division	Borpeta
			148)	Goalpara NEC Sub- Division	Goalpara
60	Hailakandi NEC Divn.	Hailakandi	149)	Hailakandi NEC Sub-Division	Hailakandi
61	Jorhat NEC Division	Jorhat	150)	Jorhat NEC Sub-Division	Jorhat
			151)	Golaghat NEC Sub-Division	Golaghat
			152)	Sonari NEC Sub-Division	Sonari
			153)	Lakhimpur NEC Sub-Division	Lakhimpur
62	Kampur NEC Division	Kampur	154)	Baithalansu NEC Sub-Div.	Baithalansu
			155)	Guwahati NEC Sub-Div - II	Guwahati
63	Silchar NEC Division	Silchar	156)	Silchar NEC Sub- Division - I	Silchar
			157)	Silchar NEC Sub- Division - II	Silchar
64	Umrangsu NEC Division	Umrangsu	158)	Umrangsu NEC Sub- Div. - I	N.C. Hills
			159)	Umrangsu NEC Sub- Div. - II	N.C. Hills
			160)	Mahur NEC Sub-Division	N.C. Hills

World Bank Projects:

SI	Name of Division	H.Q	SI	Name of Sub- Division	H.Q
65	Guwahati AACP Division	Guwahati	161)	Nalbari AACP Sub-Division	Nalbari
			162)	Barpeta AACP Sub-Division	Barpeta
66	Sonitpur AACP Division	Tezpur	163)	Tezpur AACP Sub-Division	Tezpur
			164)	Morigaon AACP Sub- Div.	Morigaon
67	Jorhat AACP Division	Jorhat	165)	Jorhat AACP Sub-Div. - I	Jorhat
			166)	Jorhat AACP Sub-Div. - II	Jorhat
68	Dhubri AACP Division	Dhubri	167)	Dhubri AACP Sub-Division	Dhubri
			168)	Goalpara AACP Sub-Division	Goalpara
69	Karimganj AACP Division	Karimganj	169)	Karimganj AACP Sub- Div.	Karimganj
			170)	Hailakandi AACP Sub-Div.	Hailakandi

Mechanical:

SI	Name of Division	H.Q	SI.	Name of Sub- Division	H.Q
1	Abhayapuri Mech. Division	Abhayapuri	1)	Abhayapuri Mech. Sub-Div.	Abhayapuri
			2)	Dhubri Mech. Sub-Div.	Dhubri
			3)	Patgaon Mech. Sub-Div.	Patgaon
			4)	Goalpara Mech. Sub-Div.	Goalpara
2	Diphu Mechanical Division	Diphu	5)	Diphu Mech. Sub-Div.	Diphu
			6)	Donkamoka Mech. Sub-Div.	Donkamoka
			7)	Haflong Mech. Sub-Div.	Haflong
3	Guwahati Mechanical Division	Guwahati	8)	Guwahati Mech. Sub-Div. - I	Guwahati
			9)	Guwahati Mech. Sub-Div. - II	Guwahati
			10)	Mangaldoi Mech. Sub- Div.	Mangaldoi
4	Jorhat Mech.	Jorhat	11)	Golaghat Mech. Sub-Div.	Golaghat

SI	Name of Division	H.Q.	Sl.	Name of Sub- Division	H.Q.
	Division		12)	Jorhat Mech. Sub-Div.	Jorhat
			13)	Sibsagar Mech. Sub-Div.	Sibsagar
5	Nagaon Mech. Divn.	Nagaon	14)	Jakhalabanda Mech. Sub-Div.	Jakhalabanda
			15)	Nagaon Mech. Sub-Div.	Nagaon
6	Nalbari Mech. Division	Nalbari	16)	Barpeta Mech. Sub-Div.	Barpeta
			17)	Nalbari Mech. Sub-Div.	Nalbari
7	Silchar Mech. Division	Silchar	18)	Karimganj Mech. Sub-Div.	Karimganj
			19)	Silchar Mech. Sub-Division	Silchar
8	Tezpur Mech. Division	Tezpur	20)	Dhemaji Mech. Sub-Div.	Dhemaji
			21)	N. Lakhimpur Mech. Sub-Div.	Lakhimpur
			22)	Tezpur Mech. Sub-Div.	Tezpur
9	Tinsukia Mech. Div.	Tinsukia	23)	Dibrugarh Mech. Sub-Div.	Dibrugarh
			24)	Tinsukia Mech. Sub-Div.	Tinsukia

Independent Unit / Cell / Centre:

SI	Name of Unit	H.Q.	Headed by	Positions					
				Addl CE	SE	EE	AEE	AE	JE
1	ARR&TI (Erstwhile RRL)	Guwahati	Addl CE	1	-	3	2	7	5
2	Traffic Engineering Cell	-Do-	SE	-	1	2	3	-	-
3	PRTC	-Do-	SE	-	1	1	1	-	-
4	RDQP Cell	-Do-	EE	-	-	1	1	-	-
5	Metric Cell	-Do-	EE	-	-	1	1	-	-
6	SATC	-Do-	AEE	-	-	-	1	-	-



## CHAPTER - 3

### Powers & Duties of the officers

PWRD ordinarily discharges its function of construction & repair of Roads, Bridges and Culverts in the state including State Highways, Major district Roads, Rural Roads, Border Roads and NEC Roads.

#### **Works : Estt./TS/AA**

In discharging the functions through the three Chief Engineers, PWRD adhere to the following norms, rules & procedures as prescribed in 'Assam PWD Accounts Code', 'Assam PWD Manual', 'Delegation of Financial Power, 'Assam Financial Rules' and various other Govt. office memorandum, circulars & notifications, issued from time to time.

#### **Financial Powers :**

As per revision of the DFP Rules vide No FEB/234 / 2007 / 1 (U/O) dated 26.02.2008, the financial powers of the PWD officers to issue Technical sanction and Accept Tenders are as under:

Sl	Nature of power	Authority	Extent of power	General condition, if any
1	Technical Sanction (TS)	a) CE	Full power	-
		b) Addl CE	Upto Rs. 100 L	-
		c) SE	Upto Rs. 50 L	-
		d) EE	Upto Rs. 5 L	-
2	Acceptance of Tender	a) CE	Full power	i) Tender value more than Rs. 200 L and upto Rs. 500 L subject to approval of C&SS ii) Tender value above Rs. 500 L subject to the recommendation of the Tender Committee
		b) Addl CE	More than Rs. 50 L & upto Rs. 100 L	
		c) SE	More than Rs. 5 L & upto Rs. 50 L	
		d) EE	Upto Rs. 5 L	

### **Extracts of Powers of officers as per PWD Code Chief Engineer**

- The Chief Engineer is the professional "head of the department" and is responsible for its general administration and efficiency. He is the responsible professional adviser of Government in all Public Works Department questions.
- The Chief Engineer will support the Audit Officer in enforcing compliance with the regulations. He will have no authority over the Audit Officer in audit matters, but may freely apply to him for advice in accounts and finance. The Chief Engineer will keep the Audit Officer informed of all proceedings necessary for the latter to fulfil his functions.
- The Chief Engineer will prepare, annually, the portion of the budget estimates relating to the works under his control and as soon as possible after the close of each year, a report of the progress made during that period on the Public Works under his charge, giving a brief but clear account of the operations of the department.
- It will be the duty of the Chief Engineer to see that the budget allotments of the year are fully expended, in so far as is consistent with general economy. He will be responsible for ensuring that any money which is not likely to be needed during the year is promptly surrendered, so as to allow of its appropriation for other purposes by the proper authority.

### **Superintending Engineer**

- The Superintending Engineer's duties are primarily those of inspection and advice. His headquarters are in the Chief Engineer's office. He will be responsible for all instructions and advice given by him to Executive Engineers during the course of his tours of inspection. All important matters should be recorded in his inspection reports, or noted on a separate memorandum for record in the Chief Engineer's office.
- He should satisfy himself of the efficiency of the executive system throughout the several divisions and the regulations are strictly maintained, both as regards works and accounts, that orders from superior authority are promptly and effectually carried out and that no avoidable delay is allowed to occur in the submission of completion reports.
- It will be the duty of the Superintending Engineer to satisfy himself that matters relating to the primary accounts are attended to personally by the divisional and sub-divisional officers.
- It is his duty to investigate excesses over sub-heads with a view to deciding whether or not a revised estimate will be required for the work, and when a revised estimate is required, he should see that it is submitted in due time.
- It will be his duty to watch and control the rates paid for work and he may require an Executive Engineer to report to him such details of expenditure as he may desire.



## Executive Engineer

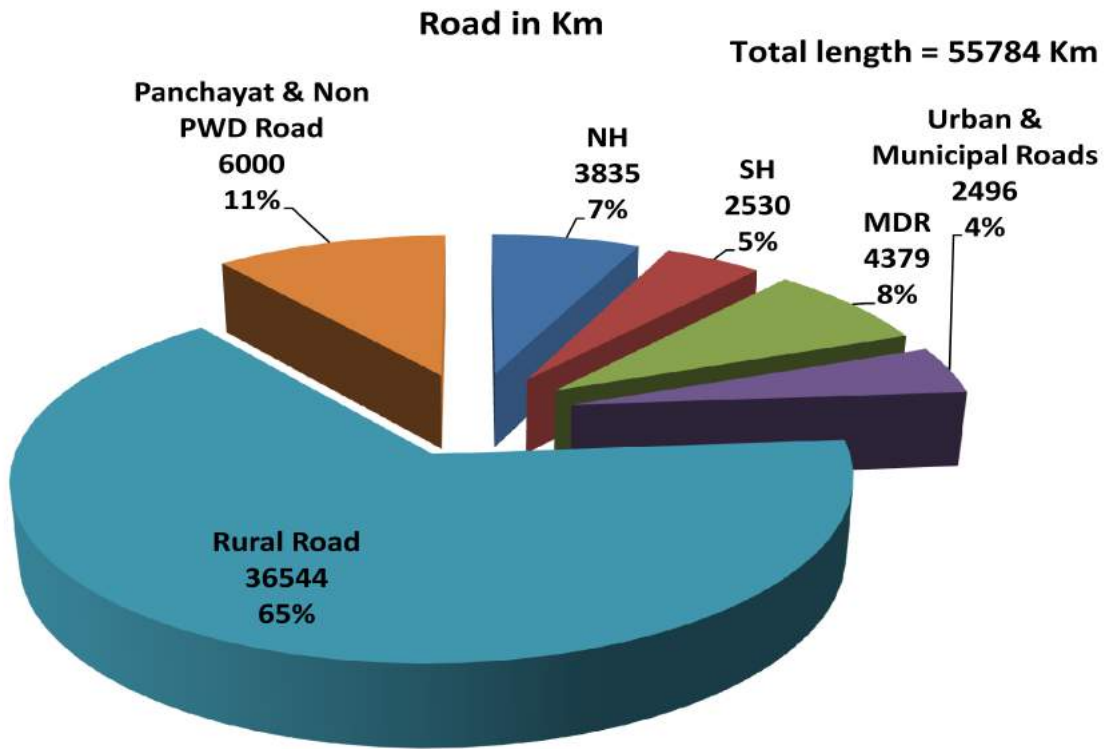
- An Executive Engineer is the officer in executive charge and the responsible disbursing officer of a division-the executives unit of the department. He is responsible for the execution and management of works and the control, posting and transfer of personnel including Sub-divisional Officers within his charge. An Executive Engineer can receive executive orders only from his own departmental superiors, or from the head of the Provincial Government.
- The Executive Engineer is responsible that proper measures are taken to preserve all buildings and works in his division and to prevent encroachment on Government lands in his charge. He must keep accurate plans of all Government lands borne on the Public Works Department registers and ensure that his subordinates are acquainted with the boundaries.
- An Executive Engineer is prohibited from commencing any work, or expending any public funds, without the sanction of competent authority ; or from making any other than unimportant deviations from the sanctioned designs in the course of execution, except in case of emergency.
- The Executive Engineer will submit his accounts punctually to the Audit Office under the rules in force and will exercise efficient control over his Divisional Accountant-. The Executive Engineer is responsible for the correctness of the original records of cash and stores, receipts and expenditure and for the submission of complete vouchers. The Divisional Accountant is responsible for the correct compilation of the accounts from the data supplied to him.
- He will promote, dismiss and generally control all ministerial and petty establishment authorized for his division. He may transfer Sectional officers within his Division with the prior approval of the Superintending Engineer
- He may authorise the drawl of Sub-divisional and conveyance allowances sanctioned for particular posts.
- He is the "controlling officer." (for the purposes of S. R. 314) for all divisional staff subordinate to him.
- The Executive Engineer is ex-officio the professional adviser of all departments of Government and local bodies within the limits of his charge; and it will be incumbent on him to see that no undue formalities are allowed to interfere with the performance of this duty.
- He will report without delay important or serious accidents, fires, earthquakes, storms, floods or other unusual occurrences.
- The Executive Engineer/Divisional Officer, as the primary disbursing officer of the division, is responsible not only for the financial regularity of the transactions of the whole division but also for the maintenance of the accounts of the transactions correctly and in accordance with the rules in force.

CHAPTER - 4

ACTIVITIES OF THE DEPARTMENT

3.1. Roads & Bridges:

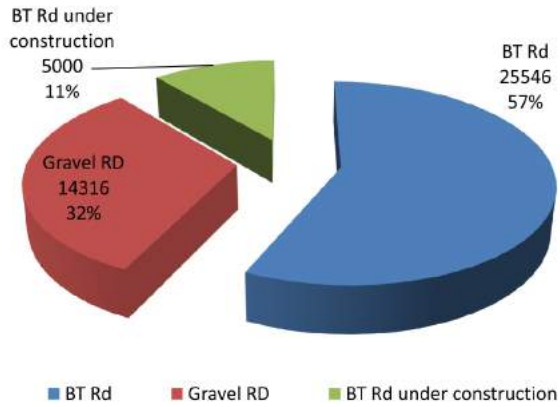
Road network in Assam



### Status of Road network in Assam under PWRD

Road in K.m.

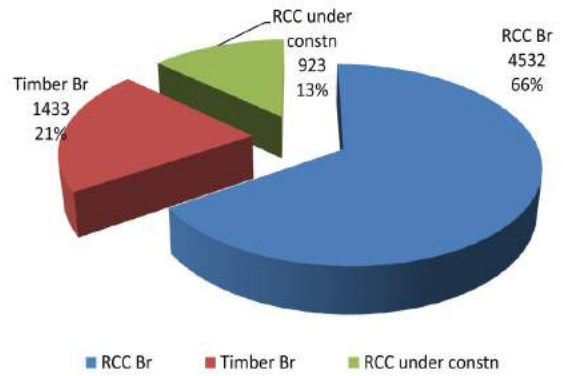
2016 (Mar)



### Status of Bridges in Assam

Bridges in No.

2016 (Mar)



### 3.2 Overall status of the works as on 31st March, 2016

PWRD, Assam is implementing various road and bridge projects funded from the Govt of India, NABARD, etc. and also from the state's own resources. The department has made remarkable achievement upto 31.03.2016 as mentioned below:

#### 1. PMGSY (Pradhan Mantri Gram Sadak Yojana)

Road length sanctioned	:	17596 Km
Road length completed	:	15523 Km
Amount sanctioned	:	Rs. 10204.47 Cr
Amount released by GOI	:	Rs. 8624.66 Cr
Fund Utilized	:	Rs. 9139.95 Cr
Habitation sanctioned	:	11278 Nos
Habitation already connected	:	9928 Nos

#### 2. MPNA (Mukhyamantrir Pakipath Nirman Achan) (Since 2004-05)

Roadwork sanctioned	:	1249 Km
Roadwork completed	:	1094 Km
Bridge sanctioned	:	3 Nos
Bridge completed	:	2 Nos
Amount sanctioned	:	Rs. 470.58 Cr
Fund Utilized	:	Rs. 362.10 Cr

#### 3. NLCPR (since 1999-2000)

Roadwork sanctioned	:	498 Km
Roadwork completed	:	315 Km
Bridge sanctioned	:	270 Nos
Bridge completed	:	245 Nos
Amount sanctioned	:	Rs. 1026.07 Cr
Fund Utilized	:	Rs. 701.04 Cr

#### 4. Central Road Fund (CRF), Inter State Connectivity (ISC) and Economic Importance (EI)

Roadwork sanctioned	:	1203 Km
Roadwork completed	:	961 Km
Bridge sanctioned	:	32 Nos
Bridge completed	:	28 Nos
Amount sanctioned	:	Rs. 612.17 Cr
Fund Utilized	:	Rs. 464.03 Cr

#### 5. Assam Bikash Yojana

Roadwork sanctioned	:	115 Km
Roadwork completed	:	115 Km
Bridge sanctioned	:	13 Nos
Bridge completed	:	13 Nos
Amount sanctioned	:	Rs. 187.55 Cr
Fund Utilized	:	Rs. 183.66 Cr

#### 6. RIDF since 1996-97

Roadwork sanctioned	:	1568 Km
Roadwork completed	:	853 Km
Bridge sanctioned	:	557 Nos
Bridge completed	:	440 Nos
Amount sanctioned	:	Rs. 1786.37 Cr
Fund utilized	:	Rs. 1300.11 Cr

**7. MPDNA (Mukhyamantrir Paki Dallang Nirman Achani)**

RCC Bridges sanctioned	:	199 Nos
RCC Bridges completed	:	186 Nos
Amount sanctioned	:	Rs. 119.93 Cr
Fund utilized	:	Rs. 106.33 Cr

**8. ACA since 2006-07 ( other than MPNA)**

Road work sanctioned	:	390 Km
Road work completed	:	119 Km
Bridges sanctioned	:	27 Nos
Bridge completed	:	9 Nos
Amount sanctioned	:	Rs. 622.83 Cr
Fund utilized	:	Rs. 333.30 Cr

**9. Untied SCA**

Road work sanctioned	:	25 Km
Road work completed	:	16 Km
Bridges sanctioned	:	103 Nos
Bridge completed	:	57 Nos
Amount sanctioned	:	Rs. 274.47 Cr
Fund utilized	:	Rs. 211.88 Cr

**10. NEC (Since 5th Plan Schemes)**

Road work sanctioned	:	2132 Km
Road work completed	:	2025 Km
Bridges sanctioned	:	350 Nos
Bridges completed	:	338 Nos
Amount sanctioned	:	Rs. 1329.33 Cr
Fund utilized	:	Rs. 1270.40 Cr

**11. Assam Agricultural Competitiveness Project (AACP) (World Bank Funded)**

Road improvement work sanctioned	:	848 Km
Road rehabilitation work sanctioned	:	900 Km
Bridges sanctioned	:	195 Nos
Road improvement work completed	:	719 Km
Road rehabilitation work completed	:	900 Km
Bridge works completed	:	182 Nos
Amount sanctioned	:	Rs. 657.94 Cr
Fund released for the project	:	Rs. 658.74 Cr

**12. Indo-Bangla Border Road & Fencing**

IBB Road works sanctioned	:	206 Km
Completed	:	200 Km(6 Km is not required)
Bridges sanctioned	:	115 Nos
Completed	:	115 Nos
Fencing sanctioned	:	183.218 Km
Completed	:	175.8 km(6.29 Km not required)
Total cost	:	Rs. 361.80 Cr
Fund utilized	:	Rs. 351.68 Cr

**13. North Eastern States Roads Investment Programme (NESRIP) (funded by ADB)**

Road sanctioned	:	136 Km
Completed	:	38 Km

Bridges sanctioned	:	5 Nos
Roadwork in progress	:	98 Km
Amount sanctioned	:	Rs. 462.51 Cr
Fund utilized	:	Rs. 98.94 Cr

#### 14. Assam State Roads Project (ASRP) ( funded by World Bank)

The Assam State Roads Project with project costs of US\$ 400 million is being implemented for improving the State Highways (SH) and the Major District Roads (MDR). The loan agreement for the project has been signed on November 5, 2012 between the World Bank and the Govt. of India. The loan share is US\$320 million and State share is US\$ 80 million.

Road work sanctioned	:	766 Km
Road work completed	:	200 Km
Bridges sanctioned	:	21 Nos
Fund utilized	:	Rs. 492.70 Cr

#### 15. CM's Spl Package for Construction of RCC Bridges :

Bridges sanctioned	:	200 Nos
Bridges completed	:	25 Nos
Amount sanctioned	:	Rs. 609.97 Cr
Expenditure	:	Rs. 103.63 Cr

#### 16. CM's Spl Package for Construction of Roads in Border Area :

Roadwork sanctioned	:	265 Km
Roadwork completed	:	168 Km
Bridges sanctioned	:	3 Nos (in progress)
Amount sanctioned	:	Rs. 217.04 Cr
Expenditure	:	Rs. 93.50 Cr

#### 17. CM's Spl Package for Dhemaji :

Roadwork sanctioned	:	40 Km
Roadwork completed	:	34 Km
Bridges sanctioned	:	5 Nos
Bridges completed	:	2 Nos
Amount sanctioned	:	Rs. 32.16 Cr
Fund utilized	:	Rs. 16.64 Cr

#### 18. CM's Spl Package for Barak Valley :

Roadwork sanctioned	:	831 Km
Roadwork completed	:	248 Km
Bridges sanctioned	:	54 Nos
Bridges completed	:	3 Nos
Amount sanctioned	:	Rs. 702.60 Cr
Fund utilized	:	Rs. 201.05 Cr

#### 19. Fakruddin Ali Ahmed Pakipath Nirman Achani :

Roadwork sanctioned	:	319 Km
Roadwork completed	:	Nil (in progress)
Amount sanctioned	:	Rs. 234.44 Cr
Fund utilized	:	Rs. 0.33 Cr

CHAPTER - 5

**PLAN & NON PLAN BUDGET OF THE DEPARTMENT FOR 2015-16**

SINo	Components	Budget Allocation for 2015-16 (Rs. in Lakh)	Fund released (Rs. in Lakh)
<b>1</b>	<b>Normal Central Assistance ( NCA)</b>		
	Normal works ( State Priority schemes)	10500.00	3309.40
	Chief Minister's Spl package & ABY		
	(i) Conversion of 500 Nos. of wooden bridges to RCC Bridge	10000.00	4702.03
	(ii) Special focus on Constr. of Border Area Roads & Bridges	5000.00	3251.47
	(iii) Constr./Dev. of Road for Dhemaji Dist. Division	1457.44	394.93
	(iv) Barak Valley - Ph-I&II	30000.00	11106.33
	(v) Dhakuakhana	1910.00	0.00
	State Specific		
	i) Assam Vikash Yojana	500.00	5.76
	ii) MMPDNA	3500.00	161.28
	iii) Development of Specific Road	9053.00	155.81
	<b>Total of NCA</b>	<b>71920.44</b>	<b>23087.01</b>
<b>2</b>	<b>RIDF of NABARD</b>		
	RIDF		
	(i) RIDF - Loan assistance - Roads& Bridges	21709.00	15416.44
	(ii) Do - for PMGSY	13174.00	5274.00
	(iii) State share of RIDF	2000.00	1211.63
	<b>Total of RIDF</b>	<b>36883.00</b>	<b>21902.07</b>
<b>3</b>	<b>ACA/SPA</b>		
	ACA/SPA ( excl MPNA)	19604.60	5610.41
	MPNA	2088.87	1788.44
	<b>Total of ACA/SPA</b>	<b>21693.47</b>	<b>7398.85</b>
<b>4</b>	<b>Untied SCA</b>	<b>4037.61</b>	<b>523.02</b>
<b>5</b>	<b>EAP ( Externally Aided Projects)</b>		
	ASRP ( World bank)	45489.00	15600.00
	<b>Total of EAP</b>	<b>45489.00</b>	<b>15600.00</b>
<b>6</b>	<b>PMGSY</b>		
	Central assistance to State Plan (PMGSY)	32100.00	26696.98
	State Share of PMGSY	1897.39	1897.39
	<b>Total of PMGSY</b>	<b>33997.39</b>	<b>28594.37</b>
<b>7</b>	<b>CRF (Central Road Fund)</b>	<b>5259.00</b>	<b>4709.93</b>
	<b>Total of Roads Sectoral Plan</b>	<b>219279.91</b>	<b>101815.26</b>
<b>8</b>	<b>Others:</b>		
8.1.	ISC & EI	0.00	0.00
8.2.	SCSP	14270.00	3062.69
8.3.	TSP	3450.00	1467.32

8.4.	5054-Co-on-R&B-03-SH-337-Road works-Non-Plan Genl.	4800.00	2997.59
9	<b>Maintenance</b>		
	<b>Maintenance ( Normal)</b>		
	0189 -Maintenance & Repair	19000.00	7941.95
	422 - Court cases	400.00	208.17
	123 - PMGSY maintenance	2500.00	0.00
	PMGSY maintenance - Periodic Renewal	4000.00	1739.41
	MPNA	120.00	0.00
	ARIASP	100.00	67.96
	AACP	100.00	0.00
	Financial support for Maint. of State Road by PWRD (ARMF)	4500.00	125.35
	ASRB Maintenance	1000.00	0.00
	697 - Election Urgent work	1200.00	406.60
	Road Safety ( committed in RFD)	200.00	14.64
	682 - Facility management	100.00	0.00
	782 - Emergent nature of works	1800.00	429.40
	Professional & Spl services	10.00	0.00
	<b>Total of Maintenance ( Normal)</b>	35030.00	10933.49
10	<b>Award of 13 th Finance Commission</b>		
	Allocation of current year	0.00	
	Spillover of 13th FC	15197.00	4349.98
	<b>Total of 13th FC</b>	15197.00	4349.98
	<b>Total for works under Grant 64</b>	<b>292026.91</b>	<b>124626.32</b>
11	<b>NEC, NLCPR, SIDF</b>		
	NEC	4000	2133.82336
	NEC - State Share	3071	222.4852
	Other new schemes	800	18.3609
	NLCPR	15531.95	4482.338
	NLCPR - State share	2500	849.8195
	NESRIP	8000	5558.442
	SIDF	1612.65	0.00
	<b>G. Total</b>	<b>327542.51</b>	<b>137891.59</b>



## CHAPTER – 6

### TARGETS & ACHIEVEMENTS

Item	Target for the year (2014-15)	Achievement
Roadwork in Km	1586	1470
Bridge in No	351	410



## CHAPTER - 7

### NEW INITIATIVES TO IMPROVE DEPARTMENTS FUNCTIONING

#### Modernisation of PWRD to meet the challenges

- Road Research and Training Institute set up for capacity building of Engineers and Contractors.
- E- Tendering system introduced since - 2005
- Web based e- portal system developed for Modules -
  - On-line DPR preparation
  - E-vendor registration
  - Online project monitoring
  - Grievance redressal
  - Content management
  - Employees data information and training
  - Procurement.
- Asset Management with GIS based Road Information system developed.
- Road safety Action Plan prepared.
- Road Maintenance Policy and Road Maintenance Fund Rules developed.
- Performance Based Maintenance Contract developed.
- Standard Bridge Design developed.
- EPC tender document developed.
- PPP mode of construction of Road is under process.
- Assam PWD Code 1942 edition and PWD Manual 1983 are being revised.





**GOVERNMENT OF ASSAM  
PUBLIC WORKS ROADS DEPARTMENT  
ASSAM ROAD MAINTENANCE POLICY**

1. **Purpose** : The purpose of this policy is to provide a guiding framework for establishing the objectives, making arrangements for and establishing sets of procedures for the maintenance and repair of roads by Public Works Roads Department, Govt. of Assam.

2. **Objectives** : The roads that fail, crack, get deformed or disintegrate present a danger to road users. In addition, they impose the wear and tear imposed on vehicles, increased consumption of POL, delays in travel and various other economic costs. There is a need for the concerned agencies & organizations to affect repairs and restoration of the roads in a timely and systematic manner.

The objectives of the Policy are to enable :

- i) Adequate, timely and sound maintenance of roads to provide safe, convenient and efficient access and usage to road users in Assam;
- ii) Judicious and optimal utilization of available funds and resources for the maintenance and repair of the roads;
- iii) Efficient maintenance by using appropriate technology, State of the Art and effective repair treatments including by inducting new technology and equipment in road repair and maintenance work;
- iv) Capacity building and organizational development of the manpower and agencies engaged in roads construction, primarily maintenance & repair in the State for efficient discharge of road development & maintenance function.

3. **Definitions** : In this Policy,

- i) Annual Road Maintenance Plan means the Annual Roads Maintenance & Operations Plan for the State of Assam for the roads maintained by PWRD;
- ii) Board means the Assam State Roads Board.
- iii) Core Network of Roads means the network of roads that connects important habitations, above a particular population level as the state Government may notify for the purpose, production centres- agricultural, industrial or mining, markets, institutions such as universities, places of tourist interest etc.
- iv) Defect means any form of failure in the road surface including cracks, deformation & disintegrations. These types of failure can be structural or visual in nature.
- v) Maintenance with respect to roads means repairs or remedial treatment to road formation and pavement failures. The purpose being to make the road trafficable until reconstruction works can be carried out by the department.
- vi) Major District Road means the roads within a district serving areas of production and markets and connecting these with each other or with the highways.
- vii) Pavement Condition Index (PCI) is a numerical index used to indicate the condition of a pavement. It is a statistical measure and requires manual or mechanical survey of the pavement.
- viii) Primary Road Network means a main road network which can be either single carriageway or dual carriageway. Broadly, Primary system comprises National Highways and Expressways.
- ix) Secondary Road Network is made up of the State Highways and Major District Roads.
- x) State Highways means arterial routes of a state linking district headquarters and important cities, tourist Centre and ports within the State and connecting them with National Highways of the neighbouring States.
- xi) Rural Roads means roads connecting villages or groups of villages with each other and to the nearest road of a higher category.

**4. Implementation :** Public Works Roads Department, Govt. of Assam shall be responsible for the implementation of this Policy through the Assam State Roads Board. The organization set up for maintenance is already exists.

1. Planning unit
  - i) Survey & data base (inventories)*
  - ii) Prioritization*
2. Delivery unit
  - i) Contract procedures*
  - ii) Contract documentation*
  - iii) Contracting arrangement*
  - iv) Execution of Works & supervision*
3. Monitoring and Supervision
  - i) Monitoring*
  - ii) Review & evaluation*
  - iii) Technical & financial auditing*

**5. Evaluation & prioritization of roads :**

i) PWRD shall carry out evaluation of the existing road pavement in terms of its physical condition, structural capacity, roughness etc. through Road Condition Surveys. Such surveys shall assess type, magnitude, location of the distressed roads and other physical parameters like roughness, skid resistance etc. It shall evaluate Pavement Condition Index. (PCI) and take up Prioritization of roads on the basis of the PCI.

ii) At least two condition surveys should be conducted on each stretch of road every year, one before and the other after the monsoon. The data collected should be recorded methodically road kilometer wise;

iii) Traffic data on each road should be collected, as per the procedure to be laid down by PWRD. The traffic data should show classification of motorized, non-motorized, commercial vehicles, etc. The traffic volume data should be used as an input in prioritization of maintenance works.

iv) The PWRD shall identify different types of Road maintenance activities and prepare a manual of technical practices to carry out the same.

v) The planning of the various maintenance operations will be correlated and looked upon as a total system rather than each activity being considered in isolation. Based on the condition evaluation, the causes for the various defects observed should be examined in detail and a decision taken whether to initiate a particular maintenance activity.

vi) PWRD shall establish guiding rules for prioritization of road maintenance works, taking into account the evaluation carried out under this Policy.

**6. Modalities for implementation :** Apart from existing procedures in carrying out Road Maintenance Works, PWRD may adopt various modalities including Performance Based Maintenance Contracts, Private Public Partnerships and Concession Agreements for various kinds of arrangements including incorporation of tolls and distance based rates etc to be paid by road users etc.

**7. Classification of Maintenance operations :** The intervention and rectification standards for various maintenance activities shall be finalized for different categories of roads. Maintenance operations may be classified in four group :

- i) Routine repair/ maintenance, for work items such as cutting of jungles, trees, filling of pot-holes, and repairing of cracks required to be carried out by the maintenance staff almost round the year;
- ii) Periodic repair/ maintenance, for more extensive maintenance operations such as applying a seal or renewal coat required to be done periodically every few years (refer the following table on periodicity of renewal);
- iii) Special repair/ maintenance, for major restoration or upgrading of the pavement through reconstruction or application of overlays to rectify structural deficiencies; and
- iv) Emergency repair/ maintenance, refers emergency conditions like collapses or severe damage of road or any other matter emergent in nature. This excludes the work of emergent nature that can be taken up under State Disaster Response Fund (SDRF).

**8. Classification of Roads :** PWRD shall classify the roads under its jurisdiction as State Highways, Major District Roads, Rural Roads and identify road networks as Core Networks. PWRD shall also specify the quality and specifications as regards quality with regard to surface and width of each class of roads along with that of the shoulders, bridges, culverts, slip roads, signage, safety requirements, crossings and other relevant features or appurtenances as required for safe and efficient use of the road.

**9. Periodicity of Renewal :** The following broad guidelines, for the type and periodicity of renewals, may be utilized as a guide for working out the requirement of funds for the annual programme on different sections of roads.

Classofroad	Lanewidth	Type of renewal and periodicity of the renewal Treatment for rainfall above 300 cm per year		
		Traffic(Commercial Vehicle per Day)		
		Lessthan 450	450to1500	1500&above
State Highway and Major District Roads	Single	SD/4	SD/3	PC/4orMS/6
State Highway and Major District Roads	Double or more	SD/4	SD/3	PC/4orMS/6
Other District and Rural	Any	SD/6	SD/5	SD/3

Notes .

- 1. SD denotes single coat surface dressing as per IRC : 17
- 2. MS denotes Mix seal surfacing as per Ministry of shipping, Roads & Transport's Specifications for Roads & Bridge Works Clause No.508.
- 3. The denominators refers to periodicity of renewal in years
- 4. For areas subject to hilly areas with steep side slopes and heavy rainfall the periodicity of renewal may be at closer interval. The periodicity of the renewal indicated in the table above will only be taken as a general guideline for the purpose of budgeting and determining the extent of renewal programme.

**10. Annual Roads Maintenance Operation Plan :** The Board shall prepare Annual Road Maintenance Operation Plan (ARMOP) covering State Highway, Major District Roads, Rural Roads falling in core network of roads, with due attention to management of the whole programme , based on availability of fund for road maintenance .The Plan shall be formulated by the end April every year, for the State. It will identify the maintenance works on the state road network, for different classes of roads, including roads in urban areas within the jurisdiction of the PWRD, taking into account the condition of roads, bridges, culverts, road signs and other road appurtenances.

## 11. Environmental Sustainability :

11.1 In development, construction and maintenance of road schemes in rural and urban areas, its supporting infrastructure, appurtenances, safety features etc, the Department shall make best possible efforts to implement technologies that are environmentally friendly, have a low carbon footprint and provide smooth access to all sections of society, including the disabled , in a safe manner.

11.2 The Department shall amend/develop necessary Codes and Manuals to implement construction and maintenance of roads in a environmentally and disabled friendly manner also put into place assessment methodologies to evaluate the environment and disabled friendliness and safety of various types and classes of roads. The Department shall also devise a safety code for roads servicing schools, colleges, hospitals and other crowded areas.

**12. Dedicated Road Maintenance Fund :** A dedicated road maintenance fund shall be established with money received / collected from various sources, such as Central and State Government grants, User charges and Fees, Cess, levies, tax revenues etc as may be considered appropriate by the state Govt. to provide funds on a sustainable and dependable basis for maintenance of state roads. PWRD, with the approval of Finance Department, shall formulate the necessary rules for setting up of the fund, crediting of various moneys thereto, drawal, expenditure from the fund, maintenance of accounts and audit thereof for the proper operation of the Fund. Apart from the above sources of fund PWRD may also explore various other modalities including performance based - PPP and Concession Agreement for BOT, BOOT.

## 13. Monitoring, Testing and Capacity Building :

13.1 PWRD shall utilize computerized road maintenance management and monitoring systems for continuous monitoring of road condition and maintenance requirements, implementation of road maintenance works and other related activities.

13.2 PWRD may prescribe procedures for testing and evaluation of various materials and technologies involved in road maintenance, quality testing of in progress and finished work and as appropriate and may specify practices or set up necessary testing facilities for the same.

13.3 PWRD shall enable capacity building of its engineers, staff and other human resources in modern technologies, project implementation, monitoring, supervision and quality testing and operational practices.

## 14. Budgeting and Financial Resources :

14.1 Based upon the data supporting the Road condition the annual renewal programme , to be included in ARMOP , will be drawn up by the Board well in advance of the implementation period. A schedule of the maintenance operations to be taken up under the ARMOP should also be prepared. The ARMOP and the Implementation Schedule should be approved by the Board and sanction of available financial resources will be made in a timely manner.

14.2 The budgeting for maintenance expenditure under the ARMOP will also be done well in advance by the Board before the start of the relevant financial year along with allocation of resources to the different operations/ components under the Plan.



(M. C. Boro)

Commissioner & Special Secretary to the Govt. of Assam,  
PWRD, Dispur, Guwahati-6.



**GOVERNMENT OF ASSAM  
PUBLIC WORKS ROADS DEPARTMENT  
ASSAM ROAD MAINTENANCE FUND RULES**

**1. Short Title and Commencement :**

- (i) These Rules may be called 'The Assam Road Maintenance Fund Rules, PWRD'.
- (ii) They shall come into force with effect from the date on which they are published in the Official Gazette.

**2. Definitions : In these Rules, unless the context otherwise requires :**

- (a) 'Board' means the Assam State Road Board (ASRB).
- (b) Core Network of Roads means the network of roads that connects important habitations, above a particular population level as the state Government may notify for the purpose, production centres- agricultural , industrial or mining, markets, institutions such as universities , places of tourist interest etc
- (c) 'Government' means the Government of the State of Assam , its respective departments or any other authorities, agencies and instrumentalities functioning under the direction or control of the Government of Assam.
- (d) 'PWRD' means the Public Works Roads Department of Assam.
- (e) 'President' means the President of the Board.
- (f) 'Vice President' means the Vice-President of the Board.
- (g) 'Chairman' means Ex-officio Chairman of Executive Committee of the Board.
- (h) 'Secretary' means Ex-officio Secretary of Executive Committee of the Board.
- (i) 'Member' means the Member of the Board or of the Executive Committee, as the case may be;
- (j) 'Member Secretary' means the Member Secretary of the Board.
- (k) 'Fund' means Assam Road Maintenance Fund for maintenance of State Roads.
- (l) 'State Roads' means all the roads, other than National Highways, within the jurisdiction of PWRD.
- (m) 'Annual Road Maintenance Operation Plan (ARMOP)' means the Maintenance Plan as notified and approved by the Board to be executed by the Implementing Agency;
- (n) 'Implementing Agency' means the PWRD or any other agency appointed by the PWRD.
- (o) 'Maintenance' means works of routine, periodic, special repairs or emergency maintenance work excluding the work that to be taken under SDRF to keep the road upto the standard specified by the Implementing Agency.
- (p) 'RMMS' means Road Maintenance Management System.

### **3. Road Maintenance Fund :**

I. There shall be established a fund to be known as Assam Road Maintenance Fund (the Fund).

II. The Fund may consists of all or any of the following :

- a) The allocation for maintenance of the road from the Consolidated Fund of the State under the Non-Plan Head 3054 or any other Head as prescribed by the Government;*
- b) The allocation for maintenance of road from the money received for the State Highways and Major District Roads from the Central Road Fund as prescribed by the Government;*
- c) All money received for maintenance of road for state roads as per the central grants recommended/ awarded by the Finance Commission from time to time;*
- d) Any other sum or grant as may be decided from time to time for the purpose of road maintenance by the Government ;*
- e) Any grant, aid, bequest, donation , gift, subscription , loan or other sum lawfully received by the Board; and*
- f) Any other income accruing to the Fund including by way of investments or interest accruing from Fund balances.*

III. The amounts allocated for the Fund shall be deposited into a Schedule Bank

IV. In case amounts allocated for the Fund remain un-committed or unspent at the end of any financial year for any reason whatsoever, then such amounts shall continue to vest with the Fund and shall be available for utilization in the next financial year.

### **4. Objectives of the Fund :**

i) The fund shall be dedicated to maintenance of roads in the state.

ii) The main objectives of the Fund shall be to :

- a) Provide funds to the Assam State Road Board (ASRB) on a sustainable and dependable basis for maintenance of State Roads as per ARMOP .*
- b) Achieve regular routine maintenance and timely repair works thereby reduction of expenditure due to maintenance in the initial state of damage.*
- c) Ensure priority for maintenance of the Core Road Network.*

### **5. Management of the Fund :**

(i) The Fund shall be administered and managed by the Board in accordance the objectives of the Fund and these Rules.

(ii) The Board shall have powers to adopt detailed Operational Polices Procedures to ensure proper maintenance of State Roads within the jurisdiction of the PWRD.

### **6. Utilization of the Fund : The Fund shall be utilized or applied for :**

a) As per ARMOP maintenance of State Highways, Major District Roads, Rural Roads and such roads in urban areas , which are within the jurisdiction of the state PWRD;

b) Operating expenses, including equipment, associated with execution of the duties and responsibilities of the Board.

c) Maintaining the Secretariat of the Board for carrying out the tasks entrusted to it by the Board.

d) Making payment to consultants and/or experts appointed by and on behalf of the Board or the Executive Committee for providing advice and assistance in discharge of their functions;



- e) Incurring expenditure for collection of toll fees from road user through necessary infrastructure and its operation;
- f) Incurring expenditure on such emergency maintenance works on State Roads as the Board may authorize the PWRD excluding the work that can be taken up under SDRF.
- g) To provide road safety infrastructure, signage and equipment;
- h) Providing support to the Government in provision of weigh bridges and other facilities for overload control of vehicles on State Roads as the Board may determine;
- i) Expenditure on research, education and training related to the maintenance of State Roads as the Board may determine;
- j) Meeting all expenses, costs and charges including fees payable to the Auditors; and
- k) Making any other payment related to road maintenance authorized by the Board.

**7. Engagement of consultants / experts for providing assistance to the Board and the Executive Committee :** The Board may engage suitable experts for providing assistance or advice on any matter as and when required following the procedure of competitive bidding, specifying the remuneration, fees and out of pocket expenses and other conditions for such persons as are engaged, keeping in view the nature of assignment, its duration and experience and qualifications of the person concerned.

**8. Inventory and condition of roads and traffic surveys :**

1) The PWRD shall maintain road inventory registers and road maps, Division wise, of all the state roads in suitable format duly approved by the Chief Engineer (Roads) of the PWRD. Such inventory registers and maps may be prepared through outsourcing with countersignature of field engineers.

2) The road registers referred to in sub-rule (1) shall be updated regularly every year twice after road condition survey by each Executive Engineer of the state PWRD for the area under his jurisdiction.

3) The PWRD shall be required to undertake condition and traffic surveys of the Core Road Network at least twice every year , one before another after monsoon with special attention to riding quality of the road, condition of semi permanent timber bridges and other bridges and culverts , road signs and other traffic control devices, status of protection works and other assets within the Right of Way in accordance with the guidelines laid down by the Indian Roads Congress or as directed by the Board and details of encroachment/ribbon development ;

4) The Board shall prepare an Annual Road Maintenance Operation Plan by utilizing the computerized RMMS.

5) The PWRD shall establish a data bank on activities undertaken under sub-rules '1' to '4' above.

9) Norms for maintenance: The norms for maintenance covering routine maintenance, periodic maintenance, special repairs, flood damage repairs (excluding that work to be taken up under SDRF) and other emergency works as per State Road policy.

**10. Procedure for formulation of Annual Road Maintenance Operation Plan (ARMOP) :**

i) The Board shall formulate by end April every year, consistent with the Road Maintenance Policy, an annual road maintenance operation plan (ARMOP), depending upon the computer

ized RMMS which shall be supported by the Road condition data. It will identify the maintenance works on the state road network including roads in urban areas within the jurisdiction of the PWRD taking into account the inventory and condition of roads, bridges, culverts , road signs and other road appurtenances as per the Asset Management System developed by the PWRD for approval in General Body meeting of ASRB.

ii) Among the work identified under ARMOP the following principles shall apply for prioritization :

- a) *The first priority shall be given to the ongoing performance based maintenance contracts;*
- b) *Next priority shall be given to the routine maintenance of the road network;*
- c) *Next priority shall be given to special repairs for a particular stretch of road or a bridge / culvert;*
- d) *After the requirements at (a), (b) and (c) above are met, priority shall be given to periodic renewal / maintenance.*
- e) *Emergent repair/maintenance works excluding the work to be taken up under SDRF.*

iii) The Board shall consider the Annual Road Maintenance Operation Plan taking into account the available fund for road maintenance.

#### **11. Implementation and keeping of records, audit, progress reports and review :**

i) The Chief Engineer, PWRD shall be responsible for implementation of the ARMOP and he shall exercise all powers delegated to him by the Government in planning, procurement, execution and monitoring of the works included in the ARMOP.

ii) The CE, PWD(Roads) shall keep systematic accounts and records and get them audited in accordance with the state accounting principles and in such form and to be furnished to the Government in time but not later than September of the subsequent year.

iii) The CE, PWD (Roads) shall prepare quarterly progress reports, Division wise of all the maintenance works sanctioned from the Fund, for the quarter ending June, September, December and March every year and such report shall reach the Secretariat of the Board and the Government within one month from the date of ending of each quarter. Further the CE, PWD (Roads) shall keep records of completion reports of maintenance works included in ARMOP.

iv) The Board in its meetings convened from time to time will review the physical progress as well as expenditure incurred on works.

#### **12. Accounts and Audit :**

1) The Board shall keep proper books and other records of account in respect of the Fund in accordance with the accounting principle and standards norms and as may be prescribed by the Government.

2) The accounts of the Fund shall be audited annually by the Statutory Auditor of the Board who shall also confirm, inter alia, whether :

- a) *The revenues allocated to the Fund have been correctly collected and paid into the Fund; and*
- b) *The money from the Fund has been utilized correctly in the manner as provided in Rule 6.*

3) The Auditor shall complete the audit within six months of the expiry of the financial year in which the audit is done and shall send to the Board, the audited Financial Accounts & Balance Sheet with a copy thereof to the Government.

4) The Board may engage internal auditor/concurrent auditors for the interim and concurrent audit as it deems fit.

5) The accounts of the Board shall also be audited by the Comptroller and Auditor General (CAG) of India. The CAG shall, as soon as possible after completion of the Audit, send to the Board a Separate Audit Report (SAR) with a copy thereof to the Government, who shall place the same before the State Legislature.

### 13. Road User Survey :

i) The PWRD shall organize road user surveys one a year as per directions of the Board to assess level of satisfaction of the road users and document the same in a format evolved as per the Asset Management System

ii) The feedback received from the road users either based on annual surveys or otherwise shall be taken into account in improving performance of maintenance of the road network.

14. **Interpretation** : If any question arises relating to the implementation of these rules, the same shall be referred to the Government for its decision; which shall be final. The decision of the Government shall be implemented.



(M. C. Boro)  
Commissioner & Special Secretary to the Govt. of Assam,  
PWRD, Dispur, Guwahati-6.

CHAPTER – 8 PHOTO GALLERY















## CHAPTER - 9

**Incumbency List of Secretaries  
Of the Public Works Department, since inception**

Sl.	Name	From	To
1	Major J.M. Mc, R.E	1880	1883
2	Mr. F. J. Johnstone	1884	1891
3	Mr. J.W. alright	1891	1893
4	Lt. Col. S.E. BIG Wither, R.E.	1894	1895
5	Mr. W.H. Nightingale	1893	1894
		1895	1899
6	Col. R.R. Pulford, R.E.	1899	1900
7	MR. G.J. Perram	1901	1903
8	Mr. W.MC. Sweet	1903	1905
9	Mr. H.G. Boyce	1905	1906
10	Mr. W. Macdonald	1906	1907
11	Mr. W. Blanks Gwyther	1907	1910
12	Mr. F. ST. G. MANNERS SMITH	1911	1915
13	Mr. F. O. Lechmere Oertel	1915	1917
14	Mr. R.E. Bull, I.S.E.,	1917	1919
15	Lt. Col. H.W. Ruston. R.E.,	1919	1920
16	Lt. Col. J.N Taylor, I.S.E.	1920	1924
17	Mr. O.H. Desnne, I.S.E.,	1924	1929
18	Mr. B. A. Blexikinsop, I.S.E.	1929	1930
19	Mr. M. Little, I.S.E.	1930	1932
20	Mr. E. P. Burke, I.S.E.	1932	1936
21	Mr. B.F. Taylor, I.S.E.	Mar/1935	Nov/1935
22	Mr. G. Reid Shan, I.S.E.	1936	1938
23	Mr. K.E.L. Pennell, I.S.E.	1938	1944
24	Mr. Ali Ahmed, I.S.E.	1943	1944
25	Mr. A. A. Barnard, I.S.E.	Jul/1945	Dec/1945
26	Mr. F.E. Cormack, , I.S.E.	Jan/1945	Dec/1946
27	Shri H.P. Barua, B.E.,	Jan/1947	Jul/1947
28	Shri R. Chandra, I.S.E.	Jul/1947	Feb/1950
29	Shri R. L. Varma, I.S.E.	Feb/1950	Mar/1952
30	Shri G. N. Dutt. A.E.S.	Apr/1952	Feb/1954
31	Shri B. Choudhury, B.E. M.I.E	Feb/1954	Jun/1958
32	Shri A.Z. Ahmed, B.E., M.I.E.	Sep/1956	Apr/1957
33	Shri K. Barua, B.E., M.C.P.(CALIF), M.I.E	Jul/1958	Nov/1966
34	Shri B.M. Chakravarty, B. Sc, R.E	Nov/1966	Mar/1967
35	Shri K. L. Mazumdar. B.E.(MECH) B.E.C.E., M.I.E(IND)	Apr/1967	Sep/1968

Sl.	Name	From	To
36	Shri G.C. Momin, B.E.,	Oct/1968	Mar/1970
37	Shri R.K. Bhuyan, B.Sc(ENGG), M.Sc(HY. ENGG)	Apr/1907	Jul/1972
38	Shri P. Sharma, B.Sc, B.E.	Aug/1972	---
39	Shri Mahmed ALI B.Sc, B.E.	Jan/1974	Jun/1975
40	Shri H. Baruah, B. Sc., B.E	Jul/1975	Dec/1981
41	Shri K. D. Lahakar, B.E.,	Jan/1982	Dec/1983
42	Shri B. N. Gogoi, M. Sc.(ENGG), F.I.E.	3.12.1983	28.01.1987
43	Shri M. Zaman, M. Sc(Engg), F.I.E	28.01.1987	03.04.1989
44	Shri G. K. Dutta. B. Sc.(Hons), B.E., C.E., F.I.G.	03.04.1989	22.09.1989
45	Shri P. Talukdar, B.E.,	30.09.1989	10.01.1992
46	Shri H.N. Chakraborty, B.E.,	10.01.1992	04.05.1992
47	Shri K.K. Das, B.E.,	04.05.1992	31.03.1993
48	Shri Sunirmal Das, B. TECH.(Hons)	17.04.1993	18.09.1993
49	Shri R.M Das, B. TECH(Hons)	18.09.1993	28.02.1994
50	Shri B.D. Sarma, B. TECH(HONS) L.L.B. F.I.E.(Ind)	01.03.1994	31.08.1994
51	Shri A.K. Choudhury, B.Sc.(Engg)	01.09.1994	31.12.1994
52	Shri U.C. Sharma, B.E.,	04.01.1995	09.02.1995
53	Shri K.K. Barua, B.E.,	10.02.1995	30.04.1995
54	Shri P.C. Barua, B.E., F.I.E., (Ind)	10.05.1995	16.07.1995
55	Shri N.C. Deka, B.E., F.I.E., PD. DIP.(Surry, U.K.)	17.07.1995	14.12.1995
56	Shri R. P. Kakati., B.E., C.E., F.I.E.	14.12.1995	31.05.1996
57	Shri H.C. Kemprai, B.E.	27.07.1996	30.09.1996
58	Shri J. Das. B.E.	01.10.1996	21.12.1996
59	Shri D. Hazarika, B.E.,	21.12.1996	31.01.1997
60	Shri D. C. Borah, B.E., C.E.M. ENGG. F.I.E	26.02.1997	20.10.1997
61	Shri P.K. Gohain, B.E.	20.10.1997	1.11.1999
62	SHRI. K. C. Roy Medhi, B.E.(Civil), F.I.E.(Ind)	01.11.1999	31.01.2000
63	Shri N.K Bora, B.E., M.Sc(ENGG)U.K	28.02.2000	08.07.2000
64	Shri K.L Das, B.E., F.I.E, FIGS, PG DIP.(U.K.)	28.02.2001	31.03.2001
65	Shri M.R Misra, B.E., (civil)	04.06.2001	25.11.2001
66	Shri K. Rajkhowa, B.E.,	15.12.2001	31.03.2002
67	Shri K. C. Bezbaruah, B.E.,	26.06.2002	31.07.2002
68	Shri K. Choudhury, B.E.,	14.08.2002	30.09.2002
69	Shri A.P. Borgohain, B.E.,	19.12.2002	24.02.2003
70	Shri Mukut Dutta , B.E.(Civil) M.I.E.	24.02.2003	01.02.2006
71	Shri Moheswar Pathak, B.E.,	20.07.2006	31.07.2006
72	Shri Mohan Ch. Boro, B.E.,MIE	26.06.2007	15.11.2007
73	Shri Mrinal Ranjan Das, B.E.,	15.11.2007	31.07.2009
74	Shri Jatindra Nath Sharma, B.E.	28.02.2011	18.12.2014
75	Shri Bani Kanta Das, BE, LLB i/c Secretary	31.12.2014	16.02.2016
76	Shri Jatindra Nath Sharma, B.E.	16.02.2016	

## CHAPTER - 10

### Incumbency List of Commissioner & Special Secretaries of the Public Works Department

Sl.	Name	From	To
1	Shri K.D. Lakhar, B.E,F.I.E	03.12.1983	01.01.1987
2	Shri B.N Gogoi, B.E,F.I.E	28.01.1987	31.03.1989
3	Shri M. Zaman, M.Sc(Engg), F.I.L	01.04.1989	28.02.1991
4	Shri P. Talukder, B.E.(CAL) P.G.DIP(Surrey) M.I.E.(India)AM INST.H.E.(Lon)	10.01.1992	31.08.1993
5	Shri S.DAS, B. TECH(HONS)	18.09.1993	31.01.1995
6	Shri U.C. SARMA, B.E.F.I (Ind)	10.02.1995	31.07.1995
7	Shri P.C. Barua, B.E.F..I (Ind)	01.08.1995	31.10.1995
8	Shri N.C. Deka B.E.F.I.E.P.G.DIP.(Surrey, U.K)	14.12.1995	31.08.1996
9	Shri J. Das, B.E.	21.12.1996	30.06.1997
10	Shri D.C Borah, B.E., C.E.M. ENGG., F.I.E.	11.07.1997	31.01.2000
11	SRI K. C. Roy Medhi, B.E.(Civil), F.I.E. (Ind)	01.02.2000	31.08.2000
12	Shri M.C. Gogoi, B.E.(Civil)	30.09.2000	28.02.2001
13	Shri N.K. Bora, B.E., M.Sc.(Engg) U.K	28.02.2001	31.03.2001
14	Shri K.L. Das, B.E, F.I.E., F.I.G.S., P.G., DIP.(U.K)	31.03.2001	31.08.2001
15	Shri M.R. Misra, B.E.(Civil)	26.11.2001	31.01.2002
16	Shri K.Rajkhowa, B.E.(Civil)	07.02.2002	31.03.2002
17	Shri K. C. Bezbaruah, B.E.(Civil)	31.07.2002	31.12.2002
18	Shri A. P. Borgohain, B.E.(Civil)	17.02.2003	31.01.2006
19	Shri Mukut Dutta, B.E.(Civil)	01.02.2006	30.09.2007
20	Shri Mohan Ch. Boro, B.E.(Civil),	15.11.2007	-

**PUBLIC WORKS ROADS DEPARTMENT**  
Government of Assam