



**GOVERNMENT OF SIKKIM
ROADS & BRIDGES DEPARTMENT
NIRMAN BHAVAN
GANGTOK**

**PROPOSED VISION
FOR THE DEVELOPMENT
OF
ROADS AND BRIDGES
UPTO 2020**



GOVERNMENT OF SIKKIM ROADS & BRIDGES DEPARTMENT

Vision 2020

Different Modes of Transport:

1. Highways: Only Mode of Transportation.
2. Waterways: Non existing owing to the steep terrain conditions through which the rivers flow.
3. Airways: Non existent except for a helicopter service catering to an insignificant fragment of the total volume of passenger movement.(no goods are transported by choppers).Nearest civil airport at Bagdogra in West Bengal.
4. Railways: Non existent, nearest railhead at Jalpaiguri in West Bengal.
5. Ropeways: Ropeways as a means of transportation exist at, a. Gangtok in East Sikkim b. Reshi in West Sikkim and c. Gor and Kanaka , in North Sikkim .

Activities of the Road and Bridge Department

Due to the absence of other modes of transport the overall development of the state depends on Roads. Roads are therefore the primary infrastructure with a high priority accorded by the state government for its development and strengthening.

The department is primarily involved in the development and maintenance of the Roads and Bridges in the state of Sikkim. The other departments which are also involved in road construction activities are:

- a. Rural Management and Development Department for providing rural connectivity under the Prime Minister Gram Sadak Yojana programme.
- b. Urban Development and Housing Department for roads falling within the urban areas.
- c. Border Roads Organisation for other strategic roads.

Roads of inter district connectivity joining the remotest of areas with the nearest administrative and marketing centers are developed and maintained by the department. Roads form the lifeline for the socio-economic activity and development of the people of the state.

2. Basic Statistics

The different categories of roads existing are under the administrative control of the department is as follows:

State Highways	:	178.71 km
MDR	:	721.17 km
ODR	:	847.74 km
Bridle and other roads	:	236.00 km
Total	:	1983.62 km

The length of roads categorized by its surface type is as below:

Black Topped Roads	:	1100.64 km
WBM Roads	:	187.07 km
Earthen Roads	:	459.91 km
Bridle and other roads	:	236.00 km
Total	:	1983.62 km

Over and above the above mentioned roads there are other roads of strategic importance under the administrative control of the Border Roads Organisation.

National Highways	:	40 km
North Sikkim Highway	:	37 km
Others	:	787 km
Total	:	894 km

3. Objective

The objective is to provide safe, comfortable and stable roads with capacity to handle high loading and speed conditions and to initiate air connectivity.

Achievable Goals

- All habitations to be connected.
- All places of Tourist or Economic importance to be connected with MDR standard roads.
- All NH to be Four Laned.
- All SH to be Double Laned.
- 600 km of MDR to be Intermediate Lane and Black Topped with permanent bridges.
- Air connectivity to be made operational.
- Pilot scheme for exploring waterway as a means of Transport.
- Ropeway connectivity to be provided for areas inaccessible by roads.
- Bus/Truck Terminus to be constructed at all District Head Quarters and other major towns.

Targets

However, to provide connectivity to more villages as also to improve the road network, the physical targets for different activities is proposed as follows:

Sl No.	Type of work	2005-2010	2010-2015	2015-2020	Total
1	New Road Connectivity (ODR)	160 km	180 km	233 km	573 km
2.	Upgradation from Intermediate Lane to 4 lane (NH 31 A within Sikkim)	20 km	20 km	.....	40 km
3.	Upgradation from single lane to 2 lane (SH) a. PWD b. BRO	49 km 51 km	32 km 68 km	103 km	184 km 119 km
4.	Upgradation from single lane to intermediate lane (MDR) a. PWD b. BRO	200 km 190 km	200 km 190 km	200 km 201 km	600 km 581 km
5.	Improvement of ODR	180 km	180 km	240 km	600 km
6.	Replacement of bridges	8 no	9 no	8 no	25 no
7.	Slope stabilisation	4 no	6 no	7 no	17 no
8.	Bus/Truck Terminus	3 no	3 no	2 no	8 no
9.	Waterway pilot scheme on Rangit river	.....	10 km	15 km	25 km
10.	Road Machinery and equipments	12 no	16 no	16 no	44 no
11.	Airport	1 no	....	....	1 no
12.	Office/Residential Accomodation	2 no	3 no	5 no	10 no
13.	Ropeways	....	2 km	2 km	4 km

Therefore by the year 2020 the Transport Sector will have achieved the achievable goals.

Costs

The total cost for achieving the above physical targets is Rs 6901 crores at current price levels and the detailed 5 yearly break up are shown below. The achievement of the physical target is however subject to commensurate budgetary support.

Proposed phasing of physical and financial targets

Sl no.	Type of work	2005-2010		2010-2015		2015-2020		Total	
		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
			Rs crore		Rs crore		Rs crore		Rs crore
1	New connectivity	160 km	240	180 km	270	233 km	349.5	573 km	859.5
2	4 laning of NH 31 A	20 km	200	20 km	200	0km	0	40 km	400
3	Upgradation to double lane	100km	700	100 km	700	103 km	721	303 km	2121
4	Upgradation to intermediate lane	390 km	780	390 km	780	401 km	802	1181 km	2362
5	Improvements to ODR	180 km	180	180 km	180	240 km	240	600 km	600
6	Replacement of bridges	400 m	20	400 m	20	750 m	37.5	1550 m	77.5
7	Slope stabilization	4 no	4	6 no	6	7 no	7	17 no	17
8	Bus truck terminus	3 no	9	3 no	9	2 no	6	8 no	24
9	Water ways	0 km	0	10 km	14	15 km	21	25 km	35
10	Machineries equipment & workshop	12 no	11	16 no	13	16 no	16	44 no	40
11	Airport	1 no	340	0 no	0	0	0	1 no	340
12	Office/Residential accomodation	2 no	6	3 no	7	5 no	7	10 no	20
13	Ropeways	0 km	0	2 km	2.5	2 km	2.5	4 km	5
	Total		2490		2201.5		2209.5		6901

Proposed Twenty Year Master Plan of road network in Sikkim for NEC funding

North Eastern Council (NEC) Year 2008-2009

Rs in lakhs

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Improvement of Kholaghari-Jaubari road.	ODR	11.00	1500.00
2	Improvement of Pakyong -Mamring-Tarethang-Rorathang road including extension from Biring to Anguchen to Linkey	ODR	25.00	3000.00
3	Improvement and carpeting of Chongrang-Kongri-Labdang road (Phase I)	ODR	19.00	2500.00
4	Improvement of Sangkhola-Zingla road including extension of Rabdang and lower nazitam.	ODR	20.00	2600.00
5	Improvement of Sangkhola-Sumin road including extension upto upper Sumin.	ODR	12.00	1500.00
6	Improvement of Sangkalang-Lingzea Bey road.	ODR	22.00	3000.00
Total				14100.00

North Eastern Council (NEC) Year 2009-2010

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Upgradation of road from Ben Thalabari to Simchuthang .	ODR	15.00	1200.00
2	Purchase of Machineries and Equipment	-	-	500.00
3	Upgradation, Carpeting of Sadam Suntaley road	ODR	5.00	350.00
4	Carpeting of road in and around Gangtok.	MDR	3.99	320.00
Total				2370.00

North Eastern Council (NEC) Year 2010-2011

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Carpeting of Labdang - Kongri - Phamtam including bridges(Phase II)	ODR	29.00	2400.00
2	Construction of road from Upper Syari to Lower Syari	MDR	5.00	400.00
3	Extension of Lingtam Agamlok road	ODR	5.00	400.00
Total				3200.00

North Eastern Council (NEC) Year 2011-2012

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Upgradation of Chuba Parbing road.	ODR	10.12	809.60
2	Upgradation of Melli-Dara Payong road.	ODR	11.03	882.40
3	Upgradation of Passi-Kateng road.	ODR	6.50	520.00
Total				2212.00

North Eastern Council (NEC) Year 2012-2013

Rs. In lakhs

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Upgradation of Darap-Namboos road	ODR	7.00	560.00
2	Resurfacing and strengthening of Rinchenpong Ambetar road	ODR	6.24	499.20
3	Upgradation of Reshi Kamling road	ODR	9.50	760.00
4	Upgradation of Toong-Ship Gyear road.	ODR	4.15	332.00
Total				2151.20

North Eastern Council (NEC) Year 2013-2014

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Upgradation of Mamring-Amba road.	ODR	4.18	334.40
2	Upgradation of Pakyong Kotlaytar road.	ODR	1.93	154.40
3	Upgradation of Phurkey Dunga - Maney Gumpa road.	ODR	3.00	240.00
4	Upgradation of Assangthang to Salghari road.	ODR	2.00	160.00
	Total			888.80

North Eastern Council (NEC) Year 2014-2015

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Upgradation of Denchong-Dong road.	ODR	3.00	240.00
2	Upgradation of Karung Golai-Satam road.	ODR	3.00	240.00
3	Upgradation of I.B. Golai to Peku road.	ODR	5.00	400.00
4	Upgradation of Pelling-Singyang road.	ODR	3.75	300.00
	Total			1180.00

North Eastern Council (NEC) Year 2015-2016

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Upgradation of Geetang - Karmatar road.	ODR	2.00	160.00
2	Upgradation of Radhu Khandu from Hee bridge(bridle road)	ODR	4.87	389.60
3	Upgradation of Sombarey Siktam road.	ODR	3.52	281.60
4	Upgradation of Dodak - Karthok Leprosy Centre road.	ODR	3.00	240.00
5	Upgradation of Gour Sangtok road.	ODR	2.00	160.00
6	Upgradation of Lower Lingdum - Adampool road.	ODR	4.00	320.00
	Total			1551.20

North Eastern Council (NEC) Year 2016-2017

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Upgradation of Tintek-Dikchu Road to Rakshey via Kedangthang .	ODR	2.51	200.80
2	Upgradation of Rongli-Talkharka (North Regu) road.	ODR	4.80	384.00
3	Upgradation of Chisopani - Dokey road.	ODR	3.00	240.00
4	Upgradation of Ghurpisey road.	ODR	2.00	160.00
5	Upgradation of Wok-Omchu road.	ODR	2.39	191.20
6	Upgradation of Ghattey Dara-Samlik-Marchak-Tumlabung road.	ODR	5.45	436.00
	Total			1612.00

North Eastern Council (NEC) Year 2017-2018

Rs. In lakhs

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Upgradation of Approach Road to Sadam-Sukrabarey.	ODR	2.00	160.00
2	Upgradation of Sripatam-Niabrum road.	ODR	2.00	160.00
3	Upgradation of Khaisel Gaon-Maney Dara road.	ODR	3.00	240.00
4	Upgradation of Lingi-Paiyong road.	ODR	2.00	160.00
5	Upgradation of Sagbari-Tingmo road.	ODR	7.00	560.00
6	Upgradation of Ralang-Namlung road.	ODR	6.00	480.00
	Total			1760.00

North Eastern Council (NEC) Year 2018-2019

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Carpetting of Rayong-Tinkitam road.	ODR	20.00	1600.00
2	Upgradation of Borong-Polok road.	ODR	2.50	200.00
3	Upgradation of Pokhari Dara-Karjee road.	ODR	3.93	314.40
4	Upgradation of Budang Chumbong road.	ODR	5.81	464.80
5	Upgradation of Dorong-Namphong road.	ODR	2.00	160.00
6	Construction of road from Geetang to Jhakri dunga	ODR	4.00	320.00
	Total			3059.20

North Eastern Council (NEC) Year 2019-2020

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Carpetting of Machong-Rangpo Khola-Rolep road.	MDR	15.00	1200.00
2	Upgradation of By Pass Road from Damthang Road to Kavi Agamsing Path,Namchi	ODR	2.15	172.00
3	Upgradation of Namchi-Salghari road.	ODR	4.00	320.00
4	Upgradation of Yangang-Makha via Mazuwa road.	ODR	3.00	240.00
5	Upgradation of Lingzo-Dalep road.	ODR	2.00	160.00
6	Construction of road from Sakyong-Pentok-Lingtem	ODR	8.00	640.00
	Total			2732.00

North Eastern Council (NEC) Year 2020-2021

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Upgradation of Pelling-Naku Chumbong road.	ODR	3.72	297.60
2	Upgradation of Khaniserbong - Chota Samdong road.	ODR	2.87	229.60
3	Carpetting of Rongli-Chujachen-Rolep road.	MDR	15.48	1238.40
4	Upgradation of Rhenock-Simanakhola road	ODR	2.51	200.80
5	Upgradation of Road to Sumick village	ODR	2.00	160.00
6	Upgradation of Road to Sorak School.	ODR	2.00	160.00
	Total			2286.40

North Eastern Council (NEC) Year 2021-2022

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Resurfacing and strengthening of Namchi Damthang road.	SH	12.75	1020.00
2	Upgradation of Kamrang Kechidumra road	ODR	1.87	149.60
3	Upgradation of Bhaisalgaon-Salghari road.	ODR	5.00	400.00
4	Upgradation of Borong-Hotspringroad.	ODR	2.00	160.00
5	Carpetting of Gyaba Golai-Tikjek road	MDR	3.51	280.80
6	Upgradation of Tathang-Melli road.	ODR	2.42	193.60
	Total			2204.00

North Eastern Council (NEC) Year 2022-2023

Rs. In lakhs

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Upgradation of Legship-Gyalshing 7th mile - Chongzong road.	MDR	2.00	160.00
2	Carpetting of Chakung Khaniserbong road.	ODR	10.66	852.80
3	Upgradation of Thongling School - Lower Dodak	ODR	2.00	160.00
4	Carpetting of Lingdok-Dikchu road.	ODR	4.33	346.40
5	Carpetting of Ranka Luing Burtuk road.	ODR	7.75	620.00
6	Upgradation of Yangang-Rangang road	ODR	2.00	160.00
	Total			2299.20

North Eastern Council (NEC) Year 2023-2024

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Resurfacing and strengthening of roads in and around Gangtok.	MDR	10.00	800.00
2	Carpetting of Lall Turning - Bashilakha road.	ODR	4.42	353.60
3	Upgradation of Rongli-Bungling-South Regu road.	ODR	2.72	217.60
4	Carpetting of Road from 10th Mile Makha to Tanak Bridge	MDR	3.50	280.00
5	Upgradation of Namchi - Harabotey road.	ODR	2.00	160.00
6	Construction of road from Phidang to loom	ODR	5.00	400.00
	Total			2211.20

North Eastern Council (NEC) Year 2024-2025

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Carpetting of Vok Omchu - Ung Raam falls road.	ODR	6.00	480.00
2	Upgradation of Road to Chemchey	ODR	2.21	176.80
3	Upgradation of road from Sakyong-Bhaluthang	ODR	2.66	212.80
4	Upgradation of Chakung Chumbong road.	ODR	3.66	292.80
5	Upgradation of Approach Road to Sorak School	ODR	2.00	160.00
	Total			1322.40

North Eastern Council (NEC) Year 2025-2026

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
1	Carpetting of Ranka Rai goan to Rey khola	ODR	3.00	240.00
2	Upgradation of Yuksom-Dubdi road.	ODR	2.00	160.00
3	Upgradation of Khaniserbong - Chota Samdong road.	ODR	2.87	229.60
4	Upgradation of Approach Road to Lungchok	ODR	2.00	160.00
5	Upgradation of Bhaluthang-Chumbong road.	ODR	1.39	111.20
6	Upgradation of Approach Road to Belling	ODR	1.57	125.60
	Total			1026.40

North Eastern Council (NEC) Year 2026-2027

Sl No.	Name of scheme	Category of road	Length, km	Approximate cost
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1	Upgradation of Tathang-Melli road.	ODR	2.42	193.60
2	Carpetting of road from Pakyong-Karthok-Naya Busty	ODR	6.89	551.20
3	Upgradation of Tareything-Biring road.	ODR	1.66	132.80
4	Upgradation of Lingchom-Lungzik road.	ODR	1.97	157.60
5	Upgradation of Soreng Tharpu Beeze Gaon road.	ODR	1.87	149.60
6	Carpetting of Baisalgoan Farasey road.	ODR	3.00	240.00
	Total			1424.80