



Vision for a
DISASTER RESILIENT NAGALAND

NAGALAND DISASTER RISK REDUCTION ROADMAP 2023-30

Government of Nagaland
NAGALAND STATE DISASTER MANAGEMENT AUTHORITY

NAGALAND STATE **DISASTER** RISK REDUCTION ROADMAP

“ The Nagaland State DRR Roadmap aims to provide practical guidance for stakeholders to take actions to reduce disaster risks, mitigate the impact of climate change and achieve sustainable development. ”

A publication of :
NAGALAND STATE **DISASTER
MANAGEMENT AUTHORITY**

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CHIEF MINISTER
NAGALAND
KOHIMA



NEIPHIU RIO
Chief Minister of Nagaland
Kohima

MESSAGE

It gives me great pleasure to write about the first Nagaland Disaster Risk Reduction (NDRR) Roadmap that has been prepared by NSDMA after a lot of meticulous work and detailed consultations with all the stakeholders.

The NDRR Roadmap is for taking actions to reduce disaster risks in consonance with all the parameters of Sendai Framework Disaster Risk Reduction 2015-2030, and they are aligned with the Paris Agreement and the Prime Minister's Ten Point Agenda on DRR. The success of this Roadmap now requires sincere commitment, coordination and active participation from all the Government Departments and other agencies such as Academic Institutes, Higher Education and Technical Education Institutes, Village Councils, NGOs, CSOs, Tribal Hohos, Faith Based Organisations, Farmers' Collectives and Women Collectives.

I would like to congratulate Nagaland State Disaster Management Authority, NDRR Roadmap working team and all the stakeholders for their sincere involvement and dedication towards the preparation of Nagaland DR Roadmap to reduce disaster risk and making Nagaland a more resilient State.



Z. NYUSIETHO NYUTHE

MLA & Advisor
N & RE, NSDMA

MESSAGE

I am immensely happy to acknowledge the bold and sincere initiative taken by the NSDMA, Home Department and UNICEF India for preparing the Nagaland Disaster Risk Reduction Roadmap for the year 2023-2030. The meticulous work and thematic action plans of the line departments is deeply appreciated as this will reduce disaster risks in line with the parameters of Sendai Framework Disaster Risk Reduction 2015-2030, the Paris Agreement and the Prime Minister's Ten Point Agenda on DRR.

I am confident that the Nagaland DRR Roadmap will be a path breaking initiative in helping reducing disaster risk in the State.



J ALAM, IAS
CHIEF SECRETARY
GOVERNMENT OF NAGALAND



(J. ALAM) IAS

MESSAGE

I am happy to know that NSDMA has taken this great initiatives of preparing the Nagaland DRR Roadmap inclusive of the different levels of stakeholders across the State to reduce risks and increasing the capability to resilience. This Roadmap will be the first framework to bring together all departments in one platform towards a safer Nagaland. It is indeed a matter of a well-prepared framework that NSDMA has done for the whole State incorporating the Prime Minister's Ten point Agenda, Paris Agreement, Sendai Framework for Disaster Risk Reduction 2015-2030 and Sustainable Development Goals.

I heartily congratulate the NSDMA for preparing a way forward State Disaster Risk Reduction Roadmap and wish the Authority a grand success in all its future endeavours.



(ABHIJIT SINHA) IAS
Principal Secretary, Home

MESSAGE

It gives me immense happiness to be a part of the effort towards building Nagaland as a resilient State through the initiative of Nagaland Disaster Risk Reduction Road Map 2023- 2030. The Nagaland State Disaster Management Authority (NSDMA) has been in the forefront to build resilience in the face of extreme weather events due to climate change and unprecedented events of disaster.

Through the Disaster Risk Reduction Roadmap initiative 2023 - 2030, the NSDMA hopes to achieve the target of sustainable development goals, Sendai framework and Prime Minister's Ten Point agenda on Disaster Risk Reduction.

I extend my best wishes to all the implementing departments in their efforts to build resilience by Leaving No One Behind.



COMMISSIONER & SECRETARY

NSDMA, HOME DEPARTMENT



Achalie
23/11/23

LHOUCALIE VIYA, IAS

Commissioner & Secretary, NSDMA
Nagaland

FOREWORD

In 2020 to help NSDMA scale up action plans in promoting Disaster Risk Reduction (DRR) for the line departments, UNICEF has provided technical assistance and operational guidance to prepare the Nagaland Disaster Risk Reduction Roadmap. This is in support of the Prime Minister's Ten Point Agenda on DRR, Sendai framework for Disaster Risk Reduction 2015- 2030, Paris Agreement and Sustainable Development Goals. This roadmap is a result of + several rounds of consultations with line departments and inputs from the experts in the field of disaster management with the objectives to mobile long term commitment of human and financial resources.

One of the outcomes of Nagaland DRR Roadmap is the reinforced line department's base and their commitments towards Disaster Risk Reduction. UNICEF India has a long history of supporting and collaborating with the States to develop DRR Roadmap and also building capacities to manage disasters. Government of Nagaland extends appreciation to the UNICEF team for rendering support and assistance for the success of this NDRR Roadmap to increase safety and resilience. I would like to gratefully acknowledge the contribution of the line departments and members of the State Disaster Management Authority for the approval of this Roadmap. NSDMA played a critical role in providing substantive guidance to the preparation of the earlier drafts.

4. INTRODUCTION

"Disaster" is defined under section 2(d) of the Disaster Management Act, 2005 as a Catastrophe, mishap, calamity or grave occurrence in any area, arising from natural or man-made causes, and is of such a nature or magnitude as to be beyond the coping capacity of the affected area.

The State of Nagaland is bounded by Assam in the West, Myanmar in the East, Arunachal Pradesh and part of Assam in the North and Manipur in the South. The State is home to more than 16 major tribes and sub-tribes. The tribal communities more or less inhabit the State in clusters with each tribe inhabiting a particular area or district. Amongst the thickly populated areas of the State, Dimapur, Mokokchung and Kohima have larger population. Dense population in isolated centers causes pressures and increases vulnerability. Development and growth of these urban centres have been carried out in an unplanned manner and has resulted in inaccessible colonies, narrow roads, illegal structures and buildings which have not complied with the Nagaland Building Bye-Laws and regulations. The general area is low-lying hills which are prone to landslides due to unstable rock materials, especially during the rainy season which lasts from May to September.

Nagaland lies in the Seismic Zone V and is vulnerable to many natural calamities such as earthquake, landslide, flashflood, thunderstorm, hail storm, forest fire, drought etc making it a very high risk State. Earthquake is a real and potential danger to the State of Nagaland. The seven north-eastern states including Nagaland is considered by seismologists as the sixth major earthquake-prone belt in the world. The natural tectonic setting makes Nagaland prone to Earthquakes resulting in loss of lives and properties. A large number of moderate to large magnitude earthquakes have occurred within the State boundaries as well as within a range of 100 km around it.

Landslide is another major disaster that keeps affecting Nagaland especially in Monsoon, when heavy rain fall is experienced all over Nagaland. Much of the State is very hilly, comprising of steep slopes and high relief. Nagaland is predominantly made up of shale's and sandstones in various combination. Most of the rocks, particularly the shales are sheared, fractured, crumpled, and weathered to various extents. They are normally saturated with water which lead to the building up of high pore-water pressure thereby causing the loss of shearing strength and collapse of the soil structure. Repeated thrusting and faulting have further weakened the rocks. Such sandstone areas are known for rock falls and debris slides. It is a fact that properties worth lakhs and crores of rupees have been carried away by these Landslides.

Flood affects all the low lying areas of Nagaland bordering Assam. In the year 2005, the Township of Tuli and the adjoining areas were severely affected by flood. This left the area marooned for many days. The different colonies of Dimapur Town remained submerged from 11th - 24th September 2008. Fire disaster is the most common disaster in Nagaland.

The SARS-CoV-2 virus which causes COVID-19 disease has been transmitted in all regions of the world, from cold and dry, to hot and humid climates (WHO, 2020).

In line with "Building Back Better" principle and in alignment with PM's 10 Point Agenda, NSDMA continues to work on essential lessons learnt and aims to strengthen the different strategies. Considering the complex situations, NSDMA and UNICEF seek to collaborate and finalized to strengthen strategies for disaster resilience through developing DRR Road Map and building capacities for the State of Nagaland which involves wide range of stakeholder's consultations.

4.1. DISASTER PROFILE IN NAGALAND

4.1.1. Flood:

Sl No	Year	Impact
1	2005	Township of Tuli and the adjoining areas were very badly affected by flood. This left the area marooned for many days
2	11th - 24th September 2008	The different colonies of Dimapur Town remained submerged during the flood: Dobhinalla, Super market, Nagarjan, Burma Camp, Walford, Sachu Colony, Nagagaon, Kharmahal, Netaji Colony, Naharbari and Airport Areas
3	2013	A mother along with her children was waded through flooded water after heavy pre-monsoon rain in Dimapur
4	2016	Mon district in Nagaland has been severely affected by floods and landslides where damage to houses and infrastructure has been recorded. Over 100 houses have been severely damaged, forcing residents to evacuate

5	2017	Incessant rains across Nagaland has led Yeveto village under Niuland Sub-Division in Dimapur district, severely affected by the flood waters of Zubza river. Crops and plantations have been destroyed, livestock swept away and many families in the villages have been rendered homeless
6	2018	Flooding and landslides affected the state severely and 48,821 families in 538 villages of 11 districts had been affected. 11 people died during this disaster. Thousands of people in hundreds of villages have been cut-off for weeks after roads were blocked or destroyed by floods and landslides. Relief items were either being air dropped or shipped on smaller vehicles to as far as possible. Roads have been damaged at 557 locations. Four bridges were destroyed, as well as crops and farmland, including 300 hectares of paddy fields. The affected districts include Phek, Longleng, Tuensang, Peren, Dimapur, Wokha, Zunheboto, Kiphire, Mokokchung, Mon and Kohima. 410 houses were destroyed and ten relief camps were set up for the displaced. A team from India's National Disaster Response Force (NDRF) consisting of 38 rescuers and 2 boats was deployed and assisted the flood victims in Dimapur, Nagaland.
7	2018	Due to the incessant rain which recorded from 1st to 3rd August 2018 (492 mm rainfall) floods was caused in parts of Dimapur which disrupted normal activities. The flood also caused a casualty in Dimapur (1 dead) at Netaji colony. Heavy Rains eroded the soil which destroyed properties and houses. In the midst of these natural calamities, a fire broke out at a city kart shop near Dhobinala around 9pm on 1st August due to the circuit caused by the flood. The cultivated areas in parts of Dimapur have also been destroyed. Many roads within the city of Dimapur and the surrounding areas in the district were severely damaged

8	2019	Two people lost their lives and around 13 villages were under water due to incessant rain and flooding in Dimapur, Nagaland. The floodwaters also destroyed crops and houses, blockage of the drains and small streams in the entire area. The rainwater flooded in approximately 13 locations of Dimapur including, Toulazouma Village; Bade Village; Tsithrongse Village; Selouphe Village; Naharbari; Darogajan; Ekhyo yan (Domokhia); Purana Bazar B; Purana Bazar Model Colony; Khushiabil; Siethekema basa – 7mile Village; Thahekhu Village block – 7; and Khopanala Village. The swelling of the Dhansiri river caused a flood in the villages around the river bank. 100 people were trapped in Domokhia. In Thahekhu village, several houses were affected and about 70% of the entire area completely submerged under floodwaters. Both crops and houses were damaged in Selouphe and Khopanala villages of the district. The rope bridge at Tsithrongse was washed away and at Naharbari locality, one whole colony got submerged. The stretch at Siethekema Basa – 7 Mile village road was reportedly cut off. All stranded persons were rescued and sheltered in seven relief camps across Dimapur. Nearly 131 people were rescued. Some of the villages including, Tuolazouma, Bade, Tsithrongse, Seluophe, Naharbari, Darogajan, Domokhia, Purana Bazzar B, Purana Bazaar Model Colony, Khushiabil, Siethekema Basa, Thahekhu, Imkonglenden, Kuhuboto, Khopanala, Sangtamtila and Urrea Colony were severely affected by the wave of floods. In Sangtamtila, four houses were swept away by the floodwaters
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4.1.2. Fire/Forest Fire:

Fire disaster is the most common disaster in Nagaland. During the Indo-Naga conflict, many villages were razed to the ground.

Table 1: Fire Incidences in Nagaland.

YEAR	FIRE CALL (INHABITED AREAS)	JUNGLE FIRE	TOTAL FIRE CALL	LIFE LOST	EST. PROPERTY LOST (APPROX)	EST. PROPERTY SAVED (APPROX)
2013	150	26	176	4	9,85,57,000.00	33,80,58,000.00
2014	164	61	225	-	30,15,61,400.00	48,87,46,500.00
2015	100	34	134	8	4,28,06,500.00	27,27,50,000.00
2016	92	37	129	-	7,09,83,500.00	97,83,85,000.00
2017	110	29	139	-	16,39,32,300.00	52,86,66,000.00
2018	55	16	67	-	3,52,43,430.00	16,97,00,000.00
Total	671	203	870	12	71,30,84,130.00	2,77,63,05,500.00

Sl No	Year	Impact
1	2008	The biggest fire disaster in memory affected Nagarjan Colony in Dimapur. Two precious lives were lost, while 310 houses were burned to ashes. Property worth more than 1 crore was burned to ashes. 100 houses along with 8 garages were also burned to ashes in Golaghat Road. Property worth 1crore was charred down
2	2009	Thirty houses were burned in K. Sachu Colony, Ward 14 Dimapur. Many families were rendered homeless and properties worth Rs.31,00,000 were burned. Also 52 houses were razed by fire in Naharbari Colony. Properties worth 20 lakhs were burned
3	2012	Two minor children were charred in Wokha town. Their mother and their eldest sibling sustained serious burns.
4	2020	Fire incidents in Kohima, Wokha, Dimapur, Mon, Tuli , the Fire & Emergency Services mobilised a quick response team from fire station Kohima north and pressed into action to control the fire which was spreading towards boys hostel and staff quarters at Nagaland University campus, Meriema Kohima. Several stretches of jungle were destroyed in the fire incident. Timely intervention of fire personnel managed to put fire under control and prevented from further spreading to the adjoining areas. Jungle fire broke out at Humtso Road, Vankhosung area Wokha and was successfully contained by a quick response team from Fire Station Wokha. at Veterinary Colony, Dimapur. A pucca house was severely damaged by the fire incident. At Lempong Sheanghah village Mon district, two persons were injured and Granary along with four rooms were completely burnt down due to short circuit. Fire broke out at Ten Mile, Tuli Mokokchung district. However, timely intervention prevented fire from further spreading to the adjoining areas

5	29th December, 2020	Forest Fire broke out at Dzukou Valley, under Kohima District, Nagaland. Dzukou Valley is a relatively remote and inaccessible area of the State and given the terrain, high altitude and other factors, the emergency response operation is a challenge. Dzukou Valley is famous for its multicolored carpets of natural flowers and greeneries which make the hub of biodiversity, flora and fauna. Ecologically and environmentally, Dzukou Valley is a significant valley to the State and the North East region. The District Disaster Management Authority (DDMA), Kohima requisitioned personnel of Kohima along with Forest Department, District Executive Force (DEF), SDRF Kohima Unit, Home Guards and Civil Defence, Police, Para- military and also Civil societies such as Southern Angami Youth Organisation (SAYO) on December 30th, 2020. The various uniformed personnel and SAYO youth executed a traditional fire control line to protect the more fragile part of Dzukou Valley. The SAYO volunteers camped nearby the place of incident to watch and supervise the situation. Also, various line departments worked towards the containment of the forest fire. Indian Air Force chopper Operation was carried out for spraying of water from the air and aerial assessment was carried out by NSDMA and NDRF officials. The spread of active fire and fresh fire were brought under control
6	2021	One person was charred to death and more than 100 thatched houses were destroyed in a devastating fire that broke out at Burma camp Dimapur, Nagaland. More than 100 families were rendered homeless in the fire as their thatched houses were destroyed in the blaze

4.1.3. Landslide:

Landslide is a major disaster that keeps affecting Nagaland especially in Monsoon, when heavy rainfall is experienced all over Nagaland. It is a fact that properties worth lakhs and crores of rupees have been carried away by these Landslides.

Sl. No.	Year	Impact
1	2001	Dimapur area experienced a cloud burst which lasted almost for one hour. This gave rise to so many landslides in that area, particularly the Paglapahar region which experienced the heavy down pour. In a stretch of just 4 kms on National Highway 39, seven major slides occurred which brought traffic to a standstill. In this incident 1 Tata Sumo was crushed where 3 people were killed and some injured.
2	2003	The whole New Market colony in Kohima Town was affected by landslides. Many houses were razed to the ground, and many more were made unfit for habitation. The road was affected very badly, that for a year it had to be abandoned. Property worth lakhs were destroyed by this slide.
3	2005	The most tragic landslide that affected Nagaland in the recent past was the May 26th 2005 Landslide that occurred in Mokokchung Town. In this pre-dawn landslide, 14 people were buried alive, so many more injured and damage to property was extensive.
4	2006	Wokha town was affected very badly by a landslide in August 2006. National Highway 61 was affected very badly. Extensive damage to property was reported. Also Zunheboto Town was affected by a Major landslide. This resulted in extensive damage to property
5	2007	About 150 metres of National Highway 39 near Kiruphema went down almost 400 meters. This resulted in the complete blockade of the highway for 2 days
6	2013	A large number of vehicles were stranded on National Highway-29 near Phesama village in Nagaland following landslides triggered by rain. The highway connecting Nagaland and Manipur was badly damaged along a 200m stretch. The 15 Border Road Task Force cleared the road for passage of vehicles

7	2017	A massive debris slide occurred at Kiruphema along the NH-29. The debris slide, covering an approx. area of 1.65 sq.kms, subsequently progressed into a debris flow with the run-out distance greater than 1 km. Another massive landslide occurred at Peraciezie colony, near High School Junction, Kohima city destroyed 21 houses and cut down arterial roads within the colony
8	2018	Major road life lines were cut-off by massive landslides in Kohima when NH-29, also connecting Manipur was cut off putting the survival of the two states at stake. A school in Kohima was also affected by massive sinking of land which led to the evacuation and shifting of the primary campus located 2 km away. Incessant rains have also triggered massive landslides at Pezielietisie Colony in Kohima damaging at least 42 houses and affecting more than 40 families. Sanuoru-Secretariat road was affected when half of the black topped road just below the working women hostel sank some 3ft down. The hostel evacuated and relocated to another hostel. Siekhazou-BSF Camp was also completely cut off where, 1 church and 5 houses were damaged by landslide and 4 houses evacuated. Road was cut off at Sidzu river in the district of Phek due to major landslide upstream which formed artificial dam and disrupted the downstream including roads and paddy fields because of uncontrolled release of water from the artificial dam. Major landslides have also occurred on Chozuba to Kohima via Khusoh, about 13 km from Chozuba town which have totally cut off the road. The occurrence of a large landslide between Kezoma and Kikrumba village, resulting in formation of an artificial dam on the Sidzu River causing imminent threat to the habitations downstream. The NH-39 was snapped by a deep and wide landslide at the Kohima Municipal Council dumping area. The once sinking zone became a valley, stretching from above the road to the river below in a stretch of about a kilometre. The NH-39, afflicted with numerous other landslides, was only a sample. Almost all the roads connecting the different areas of Nagaland were under peril

9	2019	Landslide occurred at about 2 km southeast of Bhandari Town, Wokha District, Nagaland. The landslide occurred on the western slope of hill. Multi-temporal Google-Earth image indicated that the slide was initiated in July, 2017 and then reactivated in 2018 and 2019. Benches were prepared after 2017 event, but towards the end of 2018, the benches also collapsed. The slope was occupied by moderate vegetation. A breast wall at the toe part of the slope was also breached due to the landslide. The slope angle was moderate 20°-25°. The slide blocked 110 m stretch of Wokha- Merapani road. Also landslide occurred near Zhekhise village under Niuland Sub-division, Dimapur district. A team of four geoscientists of GSI, SU: Manipur-Nagaland, Dimapur visited the site and preliminary investigation was carried out to assess the ground situation where the road immediately after Zhekhise leading to Vikheto and other hamlets was blocked at a meandering part of the Rengma River. In Zunheboto, altogether 17 houses were damaged, out of which 4 houses were totally smashed and school going children were affected and property was damaged. The people faced lots of hardships due to unprecedented rainfall which led to massive landslide at Alahuto Colony and DC Hill Colony Zunheboto town
10	2020	Landslides triggered by incessant rain in Nagaland led to the death of a person in Zunheboto district after a vehicle carrying two passengers slid 10 ft below the national highway. The vehicle carrying a father-son duo was stuck in the muddy road. There was injured and deceased case

4.1.4. Earthquake:

Earthquakes are a real and potential danger to the State of Nagaland. The seven North-Eastern States including Nagaland are considered by seismologists as the sixth major earthquake-prone belt in the world and hence, falls under a very high damage risk zone. The natural tectonic setting makes Nagaland prone to Earthquakes resulting in loss of life and properties. A large number of moderate to large magnitude earthquakes have occurred within the State boundaries as well as within a range of 100 km around it. Altogether twelve major earthquakes have occurred in the region in the last 100 years of which the epicentre of the 1950 Great Earthquake was located only 7km towards north of Mon, a District Headquarter located about 200 km north of the capital town of Kohima. It was the sixth largest earthquake of the 20th Century. The shock lasted 8 minutes causing 1,500 deaths, destruction of 2000 houses and other structures while rendering rail and road connectivity useless. The energy of the earthquake matched that of 100,000 atomic bombs and churned up nearly 10,000 sq miles of earth. One of the most notable earthquakes which had its impact in Nagaland was the Great Shillong Earthquake on 12th June 1897 which measured 8.7 in the Richter scale that left over 1,600 people dead.

4.1.5. Windstorm/hailstorm/heavy rainfall:

Windstorm/Hailstorm is a major disaster that keeps affecting Nagaland especially during the monsoon.

Sl. No.	Year	Impact
1	2016	A total of 3759 houses were damaged that ravaged different parts of Nagaland. In Mokokchung district, hailstorm/windstorm incidents caused damages to 1,382 houses of which 283 kutcha houses were completely damaged, 280 kutcha houses severely damaged, and 746 kutcha houses were partially damaged. In Longleng district, hailstorm incidents affected 34 villages from five circles namely, Yachem, Sakshi, Yongnyah Sadar and Longleng. The devastation left 342 partially damaged houses, 245 severely damaged houses and 56 fully damaged houses. In Wokha district, 449 houses were damaged by incidents of hailstorm/windstorm. Damages were also caused to infrastructure and plantations. In Kohima, heavy rainfall accompanied by strong winds damaged six houses in Chiechema and Phezha under Kohima district besides damaging electrical post, power lines, uprooting trees along the NH-2 and even the roof top of two houses were also blown away

2	2018	Kiphire district became inaccessible to the rest of the state after all the roads leading to the district were completely cut off in multiple locations owing to incessant rains. At this time, Kiphire has food stock to last for couple of days and rationing has been imposed for both foods and petroleum products. The Home Department tied up with the Central Ministry of Home Affairs for airlifting essential commodities to the cut off areas
3	2019	Two people were injured as rains coupled with thunderstorm lashed several parts of Nagaland. The unseasonal rains and storm also caused damage to property and power infrastructure in the state. Kiphire was one of the most affected districts. Several houses were damaged, two persons were injured

4.1.6. Drought:

It has been passed down by our ancestors that droughts have occurred in Nagaland in the past. However there are no documents and records to prove them.

Sl. No.	Year	Impact
1	2009	The first year that Nagaland faced a drought like situation in 3 districts of the state namely Peren, Dimapur and Mon. Jalukie valley in Peren District, which is called the 'Rice bowl of Nagaland' were badly affected by drought. Huge areas of paddy cultivable land were left uncultivated because of shortage of water
2	2021	Within a few months total of 68,662 hectares of Jhum fields in 915 villages across Nagaland was affected by deficient rains, causing poor germination and wilting of standing crops. The state is witnessing a drought-like situation after 10 years due to delayed and erratic rains. As per a data compiled by the Nagaland State Disaster Management Authority (NSDMA) from January to May, rainfall is largely deficient in Dimapur district (-66%). Rainfall is also deficient in districts like Kiphire (-49%), Kohima (-47%), Phek (-42%), Tuensang (-41%), Zunheboto (-39%), Wokha (-36%), Peren (-35%), Longleng (-11%), and Mokokchung (-6%). Mon is the only district that has witnessed excess rainfall from January to May, 2021 by 48%. Out of the state's total population, over 70% are dependent on agriculture for sustenance. With 70% of the farmers involved in jhum cultivation, the situation in the state may take a grim turn due to less rain. The remaining 30% of Terraced Rice Cultivation (upland) and Wet Terraced Rice Cultivation has also been affected due to deficient monsoon rains in all the districts, causing delays in land preparation and sowing

4.2. NAGALAND DISASTER RISK REDUCTION ROADMAP

4.2.1. Rationale

Nagaland as a state is prone to multiple hazards and vulnerable to climate variability and its negative manifestations with increasing complexities due to climate change which induced multiple disasters. The gaps in preparedness measures exposed by the COVID-19 pandemic were more predominantly observed. As there is no baseline data, no specific Departmental guidelines or Frameworks at the State/Districts/Village levels for Disaster Management, it remains a challenge towards achieving community resilience. There is a need to prepare action plans to take timely actions for prevention, preparedness, mitigation.

The Hon'ble Chief Minister of Nagaland outlined the importance of Disaster Risk Reduction (DRR) during the Statehood Day Speech on 1st of December 2021 where he highlighted that in order to strengthen the Disaster Management capacities in the State, a project on DRR Roadmap of Nagaland will be initiated to provide a vision based on targets set under the PM10 agenda on DRR, SFDRR (2015-2030), Sustainable Development Goals (SDGs) and Paris Agreement on Climate Change (COP 21) towards disaster risk reduction and resilience.

4.2.2. Objectives

The key objectives of the Nagaland DRR Roadmap are as follows:

- Develop a baseline of disaster loss and damage from 2010 to 2020.
- Identify strategic opportunities for stakeholders (Government, Civil Society Organisations, Academic Institutions, Private Sector and UN Agencies) to collaborate for disaster risk reduction actions.
- Set realistic short, medium and long-term targets for stakeholders based on the baseline data in line with Prime Minister's Ten Point Agenda on Disaster Risk Reduction, SFDRR, SDGs and Paris Agreement commitments.
- Mobilise long-term commitment of human and financial resources from the stakeholders.

4.2.3. Outcomes

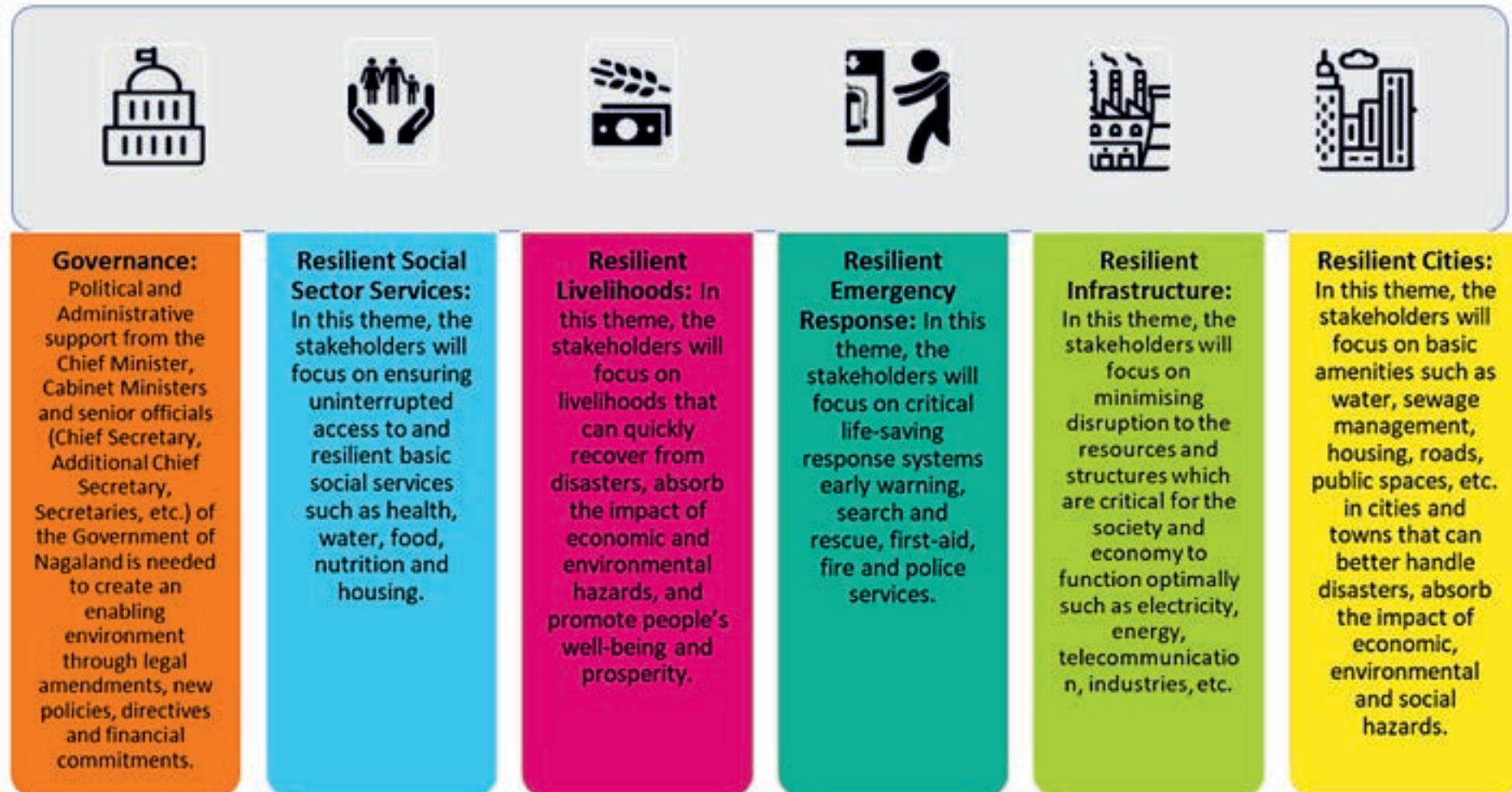
The expected outcomes of the Nagaland DRR Roadmap are as follows:

- Address the data and evidence gaps in disaster loss and damage through improved reporting and MIS.
- Reinforced stakeholders' base and their commitments towards disaster risk reduction.
- A common platform for stakeholders to collaborate and share their resources.
- Supplement towards achieving national and global frameworks (SFDRR, SDGs, and Paris Agreement) for disaster risk reduction and sustainable development.
- System wide accountability through risk informed programming by the stakeholders.

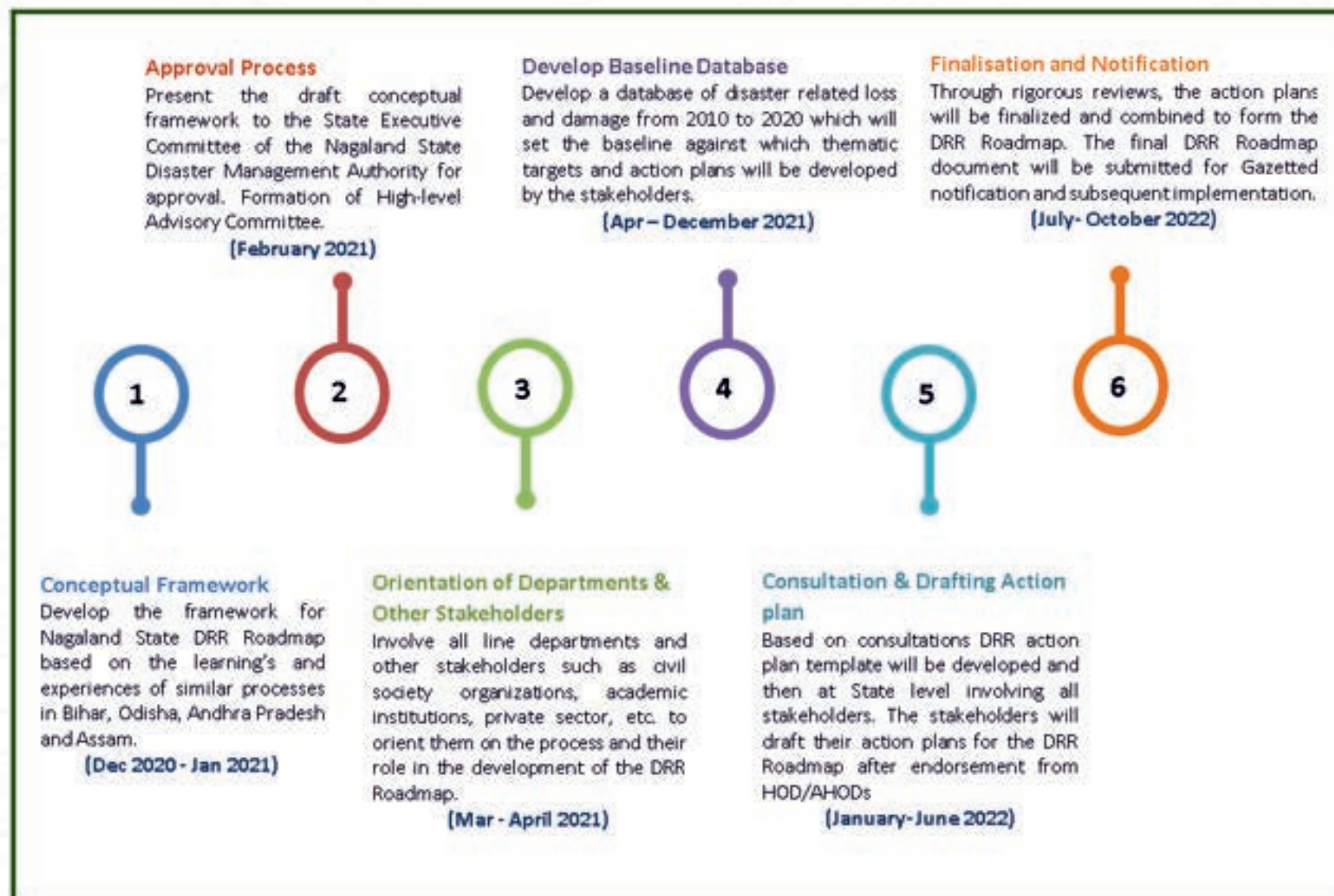
4.2.4. Conceptual Framework



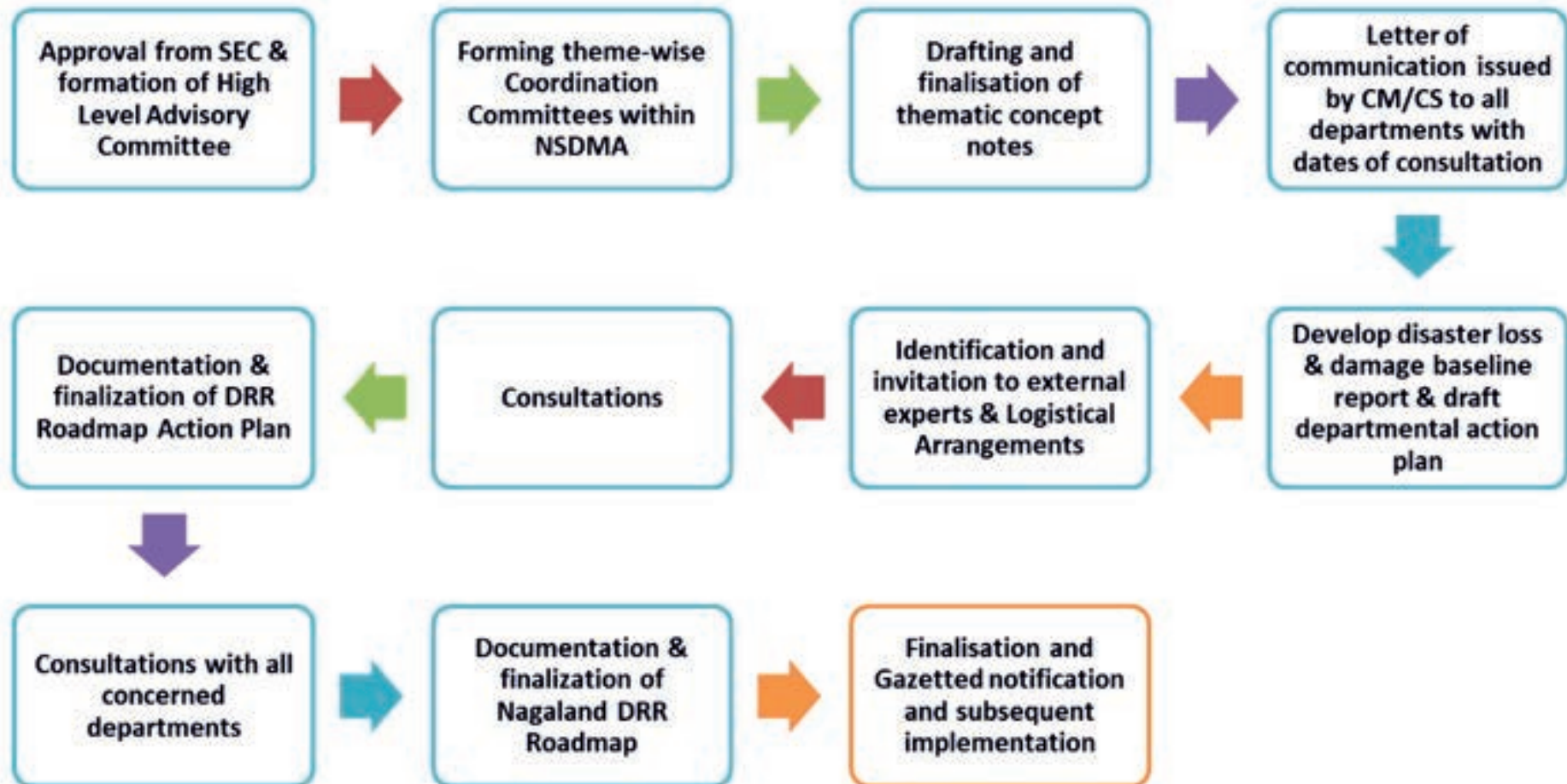
4.2.5. Thematic Groups



4.2.6. DRR Roadmap Timeline



4.2.7. Process for Thematic Consultations



5. THEMATIC ACTION PLANS

This chapter covers the Departmental Action Plans organized under the six thematic groups of the Nagaland DRR Roadmap. Each Departmental Action Plan is placed under one thematic group most relevant to the nature/scope of their work/mandate. One Department's name may also be present in the Action Plan of another Department as a key stakeholder to provide Technical Support or to collaborate for joint-intervention.

5.1. Resilient Social Sector Services

In this theme, the stakeholders will focus on ensuring uninterrupted access to and resilient basic social services such as health, water, food, nutrition and housing.

5.1.1 Department of School Education

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all 2071 government schools ¹ & offices to identify the structural vulnerabilities, hazard risks (earthquake, landslide, fire, flood, erosion, etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	State level	Short Term	Samagra Shiksha	Technical support from Engineering Wing, Schol Education	SDG-4, 9,11 PM10-1
	2. Conduct safety audit of all schools & offices to identify the structural vulnerabilities, hazard risks (earthquake, landslide, fire, flood, erosion, etc.) and recommend possible remedial measures (retrofitting, demolition, reconstruction, etc.) to be taken.	State level	Short Term	Samagra Shiksha	Technical support from Engineering Wing, Schol Education	SDG-4, 9,11 PM10-1
	3. Involve children & adolescents while conducting safety audit of schools through interactive exercises such as 'Hazard Hunt' where children can identify risks in and around their school.	State level	Short Term	Samagra Shiksha	Technical support from Engineering Wing, School Education	SDG-4, 9 PM10-1

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	4. GIS/GPS Mapping of all 2071 schools and developing a database categorising them as per disaster and structural vulnerability (safe and unsafe).	State level School level	Long Term	Samagra Shiksha	Nagaland GIS & Remote Sensing	SDG-4, 9, 11 PM10-4,5
	5. GIS/GPS Mapping of open spaces/ safe locations to set up temporary schools in case the school is damaged due to any disaster.	State level School level	Long Term	Samagra Shiksha	Nagaland GIS & Remote Sensing	SDG-4, 9, 11 PM10-4,5
	6. Share the GIS/GPS Database to be integrated with other departments.	State level School level	Long Term	Samagra Shiksha	Nagaland GIS & Remote Sensing	SDG-9,11 & 17 PM10-6
Priority 2: Strengthening disaster risk governance to manage disaster risk	7. Develop Departmental Disaster Management Plan, SOPs & Contingency Plans on emergency education response (earthquake, landslide, fire, flood, erosion, pandemic, economic crisis etc.) for School Education Department officials at all levels (State, District, Sub-District).	State level	Medium Term	Samagra Shiksha	NSDMA	SDG-4, 11 PM10-1,9
	8. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State level	Medium Term	State Annual Plan	Finance Dept.	SDG- 9, 11 PM-10-1,8
	9. Conduct mock-drills based on the Departmental Disaster Management Plan, SOPs & Contingency Plans in schools & offices.	State level District level Block level	Long Term	Samagra Shiksha	NSDMA	SDG-4, 9,11 PM10-1,9
	10. Design and implement a school safety programme to conduct regular trainings (for students, teachers, concerned officials at state, district and subdistrict level), mock-drills, take structural & non-structural measures at school level, etc.	State level District level Block level	Long Term	Samagra Shiksha	NSDMA	SDG-1,4, 9,11 PM10-4,5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	based on the Nagaland Disaster Management School Safety Policy ² & in line with the National School Safety Policy 2016 ³ .					
	11. Develop content on child rights, child protection, School Safety, DRR and Climate Change and integrate that in the school curriculum.	State level	Short Term	Samagra Shiksha	Dept. of Forest, Ecology, Environment & Wildlife SCERT Social Welfare	SDG-3,11, 13 PM10-1,5,8
	12. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State level	Long Term	Samagra Shiksha	Dept. of Forest, Ecology, Environment & Wildlife NSDMA	SDG-11,13 PM10-1,4,8,9
	13. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State level	Long Term	State Annual Plan	Finance Dept.	SDG-4, 17 PM10-1,9
	14. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State level District level	Medium Term	Samagra Shiksha	Nil	SDG-13 PM-1, 4, 8, 9
	15. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient education, & integrate that in the training	State level	Medium Term	Samagra Shiksha	To tie up with SCERT & State College of Teacher Education	SDG-3,11,13 PM-1, 8, 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	curriculum for the Department officials & teachers.				(SCTE)	
Priority 3: Investing in disaster risk reduction for resilience	16. Take remedial measures (retrofitting, demolition, relocation, etc.) against the identified structural vulnerabilities and hazard risks (earthquake, landslide, fire, flood, erosion, etc.) based on the findings from the safety audit of all schools & offices in a phased manner.	State level District level Block level	Long Term	Samagra Shiksha	NSDMA Engineering Wing School Education	SDG-4, 11 PM10-1,8,9
	17. Allocation of funds for the school safety programme (proposed).	State level	Medium Term	State Annual Plan	To tie up with Finance Dept.	SDG-9,11 PM10-1,9,8
	18. Print textbooks with integrated content on child rights, child protection, School Safety, DRR and Climate Change in the school curriculum.	State level	Long Term	Samagra Shiksha	SCERT Dept. of Forest, Ecology, Environment & Wildlife Social Welfare NSDMA	SDG-1,2,3,4,10,13 PM10-1,7,8,9
	19. Ensure provision of nutritious food through Mid-Day Meal, Micronutrient supplements (Iron Folic Acid), Deworming tablets, nutrition health education and monitor children's nutrition status.	State level	Long Term		Dept. of Health & Family Welfare	SDG-1,2,3,4 PM10-1
	20. Develop Disaster Mitigation Project Proposals for Education in line with Disaster Risk Mitigation Fund guidelines.	State level	Long Term	Samagra Shiksha	NSDMA	SDG-9,11 PM10-1,8
	21. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (schools, offices, etc.) due to any disaster, injury/death of students, staff on duty, etc., in line with Digital India programme.	State level School level District level	Long Term	Samagra Shiksha	Dept. of IT & Communication	SDG-9,11 PM10-1,5,8

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction	22. Update existing training modules on School Safety Mock Drill and Develop contemporary comprehensive School Safety Training Module based on the Nagaland Disaster Management School Safety Policy ⁴ .	State level School level District level	Long Term	SDRF Home Guards Fire & Emergency	SDRF Home Guards Fire & Emergency	SDG-1,4,10,11 PM10-1,3,8,9
	23. Training of officials from the Education department on monitoring of child rights, child protection, child and adolescent nutrition, School Safety, DRR and Climate Change and formation of state-district level joint monitoring teams.	State level	Long Term	SDRF Home Guards Fire & Emergency	NSDMA Social Welfare	SDG-1,4,10,11 PM10-1,3,8,9
	24. Content on structural and non-structural safety, safe construction practices as per building bye laws should be integrated into the District Project Engineers/JEs of SSA training module.	State level	Long Term	Engineering Wing, Schol Education Samagra Shiksha	PWD Urban Development	SDG-9,11,17 PM10-1,8
	25. Train District Project Engineers/JEs of SSA on structural and non-structural safety, safe construction practices as per building bye laws.	State level	Long Term	Engineering Wing, Schol Education Samagra Shiksha	PWD Urban Development	SDG-1,4,10,11 PM10-1,3,8,9
	26. Develop IEC materials on child rights, child protection, school safety, First-Aid, DRR and climate change for all schools.	State level School level	Long Term	Samagra Shiksha	NSDMA Dept. of Forest, Ecology, Environment & Wildlife Social Welfare	SDG-1,2,3,4,10,13 PM10-1,7,8,9
	27. Print and distribute IEC materials on child rights, child protection, school safety, First-Aid, DRR and climate change	State level School level	Long Term	Samagra Shiksha	DIPR	SDG-1,2,3,4,10,13 PM10-1,7,8,9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	to all schools & also share through media for public awareness.					
	28. Publish braille books on disaster management for blind children & acquaint them with disaster safety techniques.	Dte. Level	Long Term	Samagra Shiksha	State Commission for Persons with Disabilities	SDG-1,2,3,4,10,13 PM10-1,7,8,9
	29. Knowledge and skill building among children & adolescents on child rights, child protection, nutrition behaviours for children and adolescents, First-Aid, DRR and climate change through a mix of curriculum teaching and games.	State level School level	Long Term	Samagra Shiksha PM Poshan	Dte. Of Employment, Skill Development & Entrepreneurship Social Welfare	SDG-1,2,3,4,10,13 PM10-1,7,8,9
	30. Knowledge and skill building among teachers through training on child rights, child protection, nutrition behaviours for children and adolescents, School Safety, DRR and Climate Change as part of induction as well as routine training programmes.	State level School level	Long Term	Samagra Shiksha PM Poshan	Dte. Of Employment, Skill Development & Entrepreneurship Social Welfare	SDG-1,2,3,4,10,13 PM10-1,7,8,9
	31. Installation of fire extinguishers, fire alarm, safe drinking water facility, construction of disaster resilient basic facilities such as toilets, hand-washing stations, sanitary waste incinerator, etc. in all schools.	State level School level	Long Term	Samagra Shiksha	Nil	SDG-6,7,11 PM10-1,2,5,8
	32. Preposition emergency response kits with essential supplies to set up temporary school facilities in case the school is damaged by any disaster.	State level	Long Term	Samagra Shiksha	NSDMA	SDG-6,7,11 PM10-1,2,5,8
	33. Promote solar power backup & rainwater harvesting installation in schools and offices.	State level School level District level	Long Term	Samagra Shiksha	NRE Dept	SDG-6,7,8,11: PM10-5, 9
	34. Train Nodal Officers for Disaster Management	State level Block Level District level	Medium term	SDRF Home Guards NSDMA	NSDMA	SDG-1,4,10,11 PM10-1,3,8,9

5.1.2. Department of Higher Education

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, colleges, laboratories, hostels, libraries, etc. by Higher Education Department to identify the structural vulnerabilities, hazard risks (earthquake, landslide, fire, flood, erosion, etc.) and possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.	State Level	Medium Term	Annual Plan Budget	NSDMA Engineering Wing Education	SDG-4, 9,11 PM10-1
	2. Conduct safety audit of all offices, colleges, laboratories, hostels, libraries, etc. to identify the structural vulnerabilities, hazard risks (earthquake, landslide, fire, flood, erosion, etc.) and possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.	State Level	Medium Term	Annual Plan	Engineering Wing Education Department	SDG-4, 9,11 PM10-1
	3. Involve faculties, students, non-teaching staff in the safety audit of all colleges, laboratories, hostels, libraries, etc.	State Level, College Level	Short term	Annual Plan	Engineering Wing Education Department	SDG-4, 9 PM10-1

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	4. GIS/GPS Mapping of all offices, colleges, laboratories, hostels, libraries, etc. and develops a database categorising them as per disaster and structural vulnerability (safe and unsafe).	State Level	Medium term	Annual Budget	GIS and Remote Sensing	SDG-4, 9,11 PM10-4 ,5
	5. Share the GIS/GPS Database to be integrated with other departments.	State Level	Medium term	Annual Plan	GIS and Remote Sensing	SDG-9,11 & 17 PM10-6
Priority 2: Strengthening disaster risk governance to manage disaster risk	6. Develop Departmental Disaster Management Plan, SOPs & Contingency Plans for Emergency Response (earthquake, landslide, fire, floods, economic crisis, pandemic, etc.) for the Department officials at all levels (State, District, Sub-District).	State Level	Medium term	Annual Budget Plan	Technical Support from NSDMA, GIS and Remote Sensing	SDG-4,11 PM10-1,9
	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purpose.	Directorate	Short term	3% under CSS, Annual Plan	NSDMA	SDG- 9, 11 PM-10-1 , 8
	8. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the	State Level	Medium Term	Annual Departmental Plan	Finance Department	SDG-11,13 PM10-1,4 ,8,9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	projects/schemes under the Department.					
	9. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State Level	Short Term	Annual Departmental Plan	NSDMA	SDG-4, 17 PM10-1,9
	10. Support colleges & institutes to develop & implement their Disaster Management Plan, SOPs & Contingency Plans.	State Level, District Level	Short Term	Annual Departmental Plan ,Fire Service, Home Guards, RUSA Scheme	NSDMA	SDG-4, 9,11,17 PM10-1,9
	11. Conduct regular mock drills based on the Disaster Management Plan, SOPs & Contingency Plans in the offices, colleges & institutes.	State Level, District Level	Short Term	Annual Departmental Plan , Fire Service, Home Guards, RUSA Scheme	NSDMA	SDG-4, 9,11,17 PM10-1,9
	12. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State Level	Medium term	Annual Plan	NSDMA	SDG-13 PM-1, 4, 8 , 9
	13. Develop/update content on integration of DRR & Climate	State Level	Medium term	Annual Plan	Environment,Forest and Climate	SDG-3,11,13 PM-1, 8 , 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	Change Adaptation in Higher Education, & integrate that in the training curriculum for the Department officials, faculties & also in the curriculum for the students.				Change, Nagaland University	
	14. Develop/update content on DRR & Climate Change Adaptation in the academic curriculum for the students in courses like Engineering, Environmental Science, Architecture, etc.	State/Directorate	Medium term	Annual Plan, CSS	Nagaland University	SDG-3,11,13 PM-1, 8, 9
Priority 3: Investing in disaster risk reduction for resilience	15. Take remedial measures (retrofitting, reconstruction, relocation, etc.) against the identified structural vulnerabilities and hazard risks (earthquake, landslide, fire, flood, lightning etc.) based on the findings from the safety audit of all offices, colleges, laboratories, hostels, libraries, etc. in phased manner.	State Level	Medium Term	RUSA Scheme , Annual Plan	NSDMA Engineering Wing Education	SDG-4, 11 PM10-1,8,9
	16. Allocation of funds for integration of DRR and Climate Change Adaptation components in all Departmental projects.	State Level	Medium Term	From CSS, Annual Plan	Finance	SDG-4,9,11 PM10-1,9,8

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	17. Develop Disaster Mitigation Project Proposals, to ensure disaster resilient higher education, in line with National Disaster Mitigation Fund guidelines ⁵ .	Directorate	Short Term	Annual Plan	NSDMA	SDG-4,9,11 PM10-1,8
	18. Develop and implement an online reporting system(MIS) for documenting damage and loss related to Departmental assets (office, equipment, etc.) due to any disaster, injury/death of staff/faculty/student in office/college/institute premises, etc., in line with Digital India programme.	Directorate	Medium Term	Annual Plan	IT Department	SDG-4,9,11 PM10-1,5,8
	19. Develop a secure online system for faculty & students to access the college/institute intranet & digital library in case the colleges/institutes are not physically accessible due to a disaster (like pandemic).	Directorate	Medium term	Annual Plan	IT & Communication	SDG-4,9,11 PM10-1,5,8
	20. Promote solar-based electrification & rainwater-harvesting installation in all offices, colleges, laboratories,	Directorate	Short term	CSS	Power, New & Renewable Energy	SDG-6,7,8,11: PM10-5, 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	hostels, libraries, etc. in a phased manner.					
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	21. Training of the Department officials & faculties on integrating DRR and Climate Change Adaptation for the disaster resilient higher education.	Directorate	Medium term	Annual Departmental Plan	Forest, Climate Change, NSDMA	SDG-1,4,10,11 PM10-1,3,8,9
	22. Develop IEC materials on integrating DRR and Climate Change Adaptation for the disaster resilient higher education.	Directorate	Medium Term	Annual Budget	Climate Change & NSDMA	SDG-1,2,3,4,10,13 PM10-1,7,8,9
	23. Print and distribute IEC materials on integrating DRR and Climate Change Adaptation for the disaster resilient higher education for all colleges, institutes, etc. & share through media for public awareness.	Directorate	Medium Term	IT department	NSDMA, SDRF	SDG-1,2,3,4,10,13 PM10-1,7,8,9
	24. Train volunteers from colleges & higher educational institutions on disaster management based on College/University level DM Plans/SOPs.	State and College Level	Medium term	SDRF, Home Guards, Fire & Emergency Services	NSDMA, Social Welfare	SDG-1,4,10,11 PM10-1,3,8,9
	25. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, colleges, laboratories, hostels, libraries, etc.	Directorate	Short term	Annual Budget Plan	Fire & Emergency Services	SDG-6,7,11 PM10-1,2,5,8

5.1.3. Department of Food and Civil Supplies

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Monitoring and evaluation of the One Nation One Ration Card programme.	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	2. App based GPS tracking system of FCI trucks, mapping of FPS and recording of food stocks from godowns and delivery at FPS.	State Level <i>GPS tracking system of FCI trucks is yet to implement but whole supply chain management is captured on FEAST Application.</i>	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	3. Share GPS Database to be integrated with other departments.	NA	Long Term	NFSA	Technical support from NIC HQ	PM10-1 & 9, SDG-4, & 17
Priority 2: Strengthening disaster risk governance to manage disaster risk	4. Update the existing Departmental Disaster Management Plan, SOPs & Contingency Plans on emergency response for officials of Food, Civil Supplies & Consumer Affairs Department at all levels (State, District, Sub-District), covering landslide, fire, flood, earthquake etc.	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	5. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purpose.	State Level <i>Not yet created</i>	Long Term	NFSA	Technical support from NIC HQ	SDG-2, SDG 9 & 11, PM-1 & 8
	6. Participate in the District Disaster Management Plan development process and mock-drills organised by District Administration.	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	7. Develop/update content on DRR in Food and Civil Supplies, and integrate that in the training curriculum for Food and Civil Supplies officials.	State Level <i>Not yet updated</i>	Long Term	NFSA	Technical support from NIC HQ	SDG-2 PM-10: 1, 8 & 9
	8. Mainstream DRR in the Monthly Food and Civil Supplies planned activities and allocation of necessary funds for mitigating disaster risks.	State Level <i>Not yet allocated</i>	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	9. Maintain damage and loss data reported by Circle Officers to the Deputy Commissioners which can be used as the database.	State Level NA	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	10. Digitisation of ration cards, beneficiary and other databases for all districts. [Under One Nation One Ration Card, Aadhaar/OTP-based Electronic Point of Sale (EPOS) machines are going to be introduced in Fair Price Shops for beneficiaries as per NFS Act].	State Level <i>Aadhar Based NFSA beneficiaries' data is entered on RCMS Applications which is developed by NIC HQ and the data of which is stored in the National Data Centre</i>	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	11. Digitisation of Supply Chain Management (including the movement, storage and distribution of food grains). [Under One Nation One Ration Card, Aadhaar/OTP-based Electronic Point of Sale (EPOS) machines are going to be introduced in Fair Price Shops for beneficiaries as per NFS Act.]	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	12. Digitisation of Grievance Redressal Mechanism and setting up of Transparency Portal. Vigilance Committees formed at the FPS, GPSS, Block, Sub-Division, District and State (escalates from FPS to State level as per requirement).	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	13. Conduct Social Audit by GP President and Area Inspector/Sub-Inspector (at predefined intervals).	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2
Priority 3: Investing in disaster risk reduction for resilience	14. Develop Disaster Mitigation Project Proposals for Food and Civil Supplies in line with National Disaster Risk Mitigation Fund guidelines ⁶ .	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	15. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction	16. Training of officials from the Food and Civil Supplies Department on monitoring of DRR in Food and Civil Supplies, and formation of state-district level joint monitoring teams.	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2 PM-10: 1, 8 & 9
	17. Orientation of staff/officials as per the Departmental DM Plan, SOPs & Contingency Plans on emergency response.	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	18. Develop IEC materials on DRR in Food and Civil Supplies.	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	19. Print and distribute IEC materials on DRR in Food and Civil Supplies.	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2
	20. Increase public awareness on Grievance Redressal Mechanism and Transparency Portal through radio, print, TV and social media.	State Level	Long Term	NFSA	Technical support from NIC HQ	SDG-2

5.1.4. Department of Health & Family Welfare

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all health facilities to identify the structural vulnerabilities, hazard risks (earthquake, landslide, fire, flood, erosion, pandemic, etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	Directorate	Short term	H&FW	NHM	SDG-3, 9, 11: PM10-4
	2. Conduct safety audit of all health facilities to identify the structural vulnerabilities, hazard risks (earthquake, landslide, fire, flood, erosion, pandemic, etc.) and possible remedial measures (retrofitting, demolition, reconstruction, etc.) to be taken.	Directorate	Short term	H&FW		SDG-3, 9, 11: PM10-1
	3. GIS/GPS Mapping of all health facilities and develop a database categorising them as per disaster and structural vulnerability (safe and unsafe).	Directorate	Short term	H&FW		SDG-3, 9 & 17 PM-4
	4. GIS/GPS Mapping of open spaces/ safe locations to set up temporary health facilities to continue its services in case the health facility is damaged due to any disaster.	Directorate	Short term	H&FW		SDG-3, 9 & 17 PM-4
	5. Share the GIS/GPS Database to be integrated with other departments.	Directorate	Short term	H&FW		SDG-3, 9 & 17 PM-4
	6. Mapping of vulnerable populations and areas, and development of communication and transportation plans by to reach the most difficult areas even during emergencies to provide health services.	Directorate	Short term	H&FW		SDG-3 & 17
Priority 2: Strengthening disaster risk	7. Develop Departmental Disaster Management Plan, SOP & Contingency Plans on emergency health response (flood, earthquake, landslide, pandemic, heatwave, coldwave etc.) for the	Directorate	Short term	H&FW		SDG-3

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
governance to manage disaster risk	Department officials at all levels (State, District, Sub-District).					
	8. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	Directorate	Short term	H&FW		SDG-3 , SDG 9 & 11, PM-1 & 8
	9. Develop and implementation of Biomedical Waste Management Guidelines.	Directorate	Short term	H&FW	NHM	SDG-3,7 & 13
	10. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	Directorate	Short term	H&FW	NHM	PM-1, 4, 8 & 9: SDG-13
	11. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	Directorate	Short term	H&FW		PM-1, 4, 8 & 9: SDG-13
	12. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	Directorate	Short term	H&FW		SDG-3 & 17
	13. Utilisation of the NHM funds for damaged health facilities in disasters as per the applicable laws.	Directorate	Short term	NHM	H&FW	
	14. Develop policy on disaster safety audit and life-span/ quality certificate for all infrastructure implemented through Panchayats.	Directorate	Short term	H&FW		SDG-3, 9, 11: PM10-1, 17
	15. Set up a 'Centre of Excellence' within the Department, involving relevant stakeholders, to monitor the emerging & future risks/vulnerabilities in order to advise the State Govt. accordingly to take up appropriate measures.	Directorate	Short term	H&FW		SDG-3 & 17

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	16. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient health facilities & services, & integrate that in the training curriculum for the Department officials.	Directorate	Short term	H&FW	NHM	PM-1, 4, 8 & 9: SDG-13
	17. Convene other relevant departments (Social Welfare, SSA, Poshan Abhiyaan), develop SOP and Contingency Plan for ensuring continuity of services under convergent nutrition flagship programmes led by NHM.	Directorate	Short term	NHM, H&FW	Social Welfare Department	SDG-3 & 17
	18. Share the information on availability of doctors, beds, ventilators, etc. in all public & private hospitals of Nagaland in the public domain.	Directorate	Short term	H&FW		SDG-3 & 17
Priority 3: Investing in disaster risk reduction for resilience	19. Identify and mobilize resources from other sectors in private (railway, oil) – hospital beds, equipment, blood transfusion, ambulances and other important hospitals supplies.	Directorate	Short term	H&FW	PPP	SDG-3 & 17
	20. Take remedial measures (retrofitting, demolition, relocation, etc.) against the identified structural vulnerabilities and hazard risks (earthquake, landslide, fire, flood, erosion, pandemic, etc.) based on the findings from the safety audit of all health facilities in phased manner by the Health Department.	Directorate	Short term	H&FW		SDG-3, 9, 11, 13: PM10-1
	21. Allocation of funds for integration of DRR and Climate Change Adaptation components in all Departmental projects.	Directorate	Short term	H&FW	NHM	SDG-3,7 & 13
	22. Convergence with various national programmes like NTEP, NLEP, RCH, NSACS, etc. for tapping the funds and resources.	Directorate	Short term	H&FW	NHM	SDG-3,5,10 & 17
	23. Develop Health Disaster Mitigation Project Proposals in line with National Disaster Risk	Directorate	Short term	H&FW		SDG-3,7 & 13

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	Mitigation Fund guidelines ⁷ .					
	24. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (offices, health facilities, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	Directorate	Short term	H&FW	ITC Department	SDG-3,9 & 17
	25. Procurement of adequate no. of critical care ambulance, hospital equipment like oxygen, ventilators, PPE kits, etc., anti-venom, NCD drugs, emergency management kits & storage for all health facilities.	Directorate	Short term	H&FW	NHM	SDG-3,11 & 17
	26. Procurement and installation of solar and fuel based cold chain equipment.	Directorate	Short term	H&FW	NHM, CSR	SDG-6,7,8,11: PM10-5, 9
	27. Promote rainwater-harvesting installation in all health facilities for nonmedical purposes.	Directorate	Short term	H&FW	NHM, CSR	SDG-3,7 & 13
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction	28. Develop/update training module on health and Disaster Risk Reduction for officials of Health Department at all levels (State, District, Sub-District).	Directorate	Short term	H&FW	NSDMA	SDG-3,7,10 & 13
	29. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient health facilities & services.	Directorate /District	Short term	H&FW	NSDMA	SDG-3,7 & 13
	30. Develop IEC materials on integrating DRR and Climate Change Adaptation in health facilities & services.	Directorate	Short term	H&FW	NHM & Other agencies	SDG-3,7 & 13
	31. Print and distribute IEC materials on integrating DRR and Climate Change	Directorate	Short term	H&FW	NHM	SDG-4

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
on	Adaptation in health facilities & services, & share through media for public awareness.					
	32. Installation of fire extinguishers, fire alarm, safe drinking water facility, construction of disaster resilient basic facilities such as toilets, hand-washing stations, etc. in all health facilities.	Directorate	Short term	H&FW		SDG-6,11,13: PM10-5
	33. Preposition emergency response kits with essential supplies to set up temporary health facilities in case the facility is damaged by any disaster.	Directorate	Short term	H&FW		SDG-3,7,11 & 13
	34. Conduct regular mock drills for emergency health response.	Directorate	Short term	H&FW	NSDMA	SDG-3 & 17
	35. Take remedial actions to address the barriers in access and disruption in essential services and supplies especially for women and girls due to disasters.	Directorate	Short term	H&FW		SDG-3,5,10 & 17
	36. Increase road safety awareness to reduce accidents.	Directorate	Short term	H&FW	Transport Department	SDG-5 & 17
	37. Develop Social & Behaviour Change Communication (SBCC) packages to address health and nutrition risks.	Directorate	Short term	H&FW		SDG-3,5,10 & 17

5.1.5. Department of Tribal Affairs

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, infrastructure schemes under the Tribal Affairs Dept. to identify the structural vulnerabilities, hazard risks (fire, flood, landslide, earthquake, etc.) and possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken	Directorate Level	Long Term	Annual Dept Plan	NSDMA/Fire Dept.	SDG-9, 11: PM10-1
	2. Conduct safety audit of all offices, infrastructure schemes under the Dept. to identify the structural vulnerabilities, hazard risks (fire, flood, landslide, earthquake, etc.) and possible remedial measures (retrofitting, rehabilitation, etc.) to be taken.	Directorate Level	Long Term	Annual Dept Plan	NSDMA/Fire Dept.	SDG-9, 11: PM10-1
	3. GIS/GPS Mapping of all Departmental infrastructure and developing a database categorising them as per their vulnerability (safe and unsafe).	Directorate Level	Medium Term	Annual Dept Plan	GIS Monitoring Cell/ NSDMA Dept.	SDG-3, 9 & 17 PM 10:4&5
	4. GIS/GPS Mapping of open spaces/ safe locations to set up relief camps in case the designated relief camps are damaged due to any disaster.	Directorate Level	Medium Term	Annual Dept Plan		SDG-3, 9 & 17 PM 10:4&5
	5. Share the GIS/GPS Database to be integrated with other departments.	Directorate Level	Medium Term	Annual Dept Plan	Rural Development Dept.	SDG-3, 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk	6. Develop Departmental Disaster Management Plan, SOP & Contingency Plans for Emergency Response (landslide, fire, floods, earthquake, pandemic, etc.) for the Department officials at all levels (State, District, Sub-District).	Directorate Level	Short Term	Annual Dept Plan	NSDMA/Fire Dept.	PM-1, 4, 8 & 9: SDG-13

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
governance to manage disaster risk	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	Directorate Level	Short Term	Annual Dept Plan		SDG 9 & 11, PM-1 & 8
	8. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects under the department.	Directorate Level	Long Term	Under Article 275(1)	NSDMA/ Forest & Climate Change Dept.	PM-1, 4, 8 & 9: SDG-13
	9. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	Directorate Level	Short Term	Annual Dept Plan		PM10-1 & 9, SDG-4, & 17
	10. Form state-district level joint monitoring teams to assess and monitor disaster preparedness, response, recovery and mitigation in the Departmental projects.	Directorate Level	Short Term	Annual Dept Plan		PM10-1 & 9, SDG-4, & 17
	11. Setup systems to access early warning messages for lightning, flood, etc. by the Department officials.	Directorate Level	Long Term	Annual Dept Plan	Forest & Climate Change/ Food Control Dept.	SFDRR
	12. Develop policy on disaster safety audit and life-span/ quality certificate for construction of new infrastructure.	Directorate Level	Long Term	Under Article 275(1)	PWD/NSDMA Dept.	SDG-9, 11: PM10-1
	13. Develop/update content on DRR & Climate Change and integrate that in the training curriculum for the Department officials.	Directorate Level	Long Term	Annual Dept Plan		PM-10: 1, 8 & 9
Priority 3: Investing in disaster risk reduction for	14. Take remedial measures (retrofitting, reconstruction, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, landslide, earthquake, etc.) based on the findings from the safety audit of all offices, infrastructure schemes, etc. in a phased manner.	Directorate Level	Medium Term	Annual Dept Plan		SDG-9, 11: PM10-1

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
resilience	15. Mapping of resources available under various schemes/sectors such as 15th Finance Commission, Health, Education, Agriculture, Irrigation, Road, etc. for optimum convergence and integration of DRR.	Directorate Level	Medium Term	Annual Dept Plan		SDG- 9 & 17 PM 10:4&5
	16. Allocation of funds under various schemes such as 15th Finance Commission, MGNREGS, etc. for integration of DRR and Climate Change Adaptation components in all planned projects.	Directorate Level	Long Term	Under Article 275(1)	NSDMA	PM-1, 4, 8 & 9: SDG-13
	17. Implement policy on disaster safety audit and life-span/ quality certificate for construction of new infrastructure.	Directorate Level	Long Term	Under Article 275(1)		SDG-9, 11: PM10-1
	18. Construction of multi-purpose flood shelters/ community halls in safe locations for hazard prone areas.	Directorate Level	Short Term	Under Article 275(1)	LRSO Dept.	SDG- 9 & 17 PM 10:4&5
	19. Develop Community Disaster Mitigation Project Proposals in line with National Disaster Risk Mitigation Fund guidelines.	Directorate Level	Medium Term	Dept. Annual Plan	NDRMF	SDG- 9 & 17 PM 10:4&5
	20. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, etc.) due to any disaster, injury/death of workers on duty, etc., in line with Digital India programme.	Directorate Level	Long Term	Dept. Annual Plan	NSDMA dept.	SDG- 9 & 17 PM 10:4&5
	21. Promote solar-based electrification & rainwater harvesting in the offices and Departmental infrastructure, in a phased manner.	Directorate Level	Short Term	Directorate Building	PHED/Electrical Dept/NRE.	SDG-6,7,8,11: PM10-5, 9
Priority 4: Enhancing disaster preparedness	22. Training of the Department officials on DRR and Climate Change Adaptation in Tribal development.	Directorate Level	Medium Term	Existing Officials	Technical Team from NSDMA Dept.	PM-10: 1, 8 & 9
	23. Setup public announcement systems and	Directorate Level	Long Term	Dept. Annual Plan	Forest & Climate	PM-10: 1, 8 & 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
ess for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	disseminate early warning messages for lightning, landslide, flood, etc.	Level			Change/Food Control Dept.	
	24. Develop IEC materials on integrating DRR and Climate Change Adaptation for the disaster resilient Tribal development.	Directorate Level	Long Term	Dept. Annual Plan	NSDMA	PM-10: 1, 8 & 9
	25. Print and distribute IEC materials on integrating DRR and Climate Change Adaptation for the disaster resilient tribal development for all offices and District Councils, & share through media for public awareness.	Directorate Level	Medium Term	Dept. Annual Plan	IPR	PM-10: 1, 8 & 9
	26. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, water supply schemes, etc.	Directorate Level	Long Term	Dept. Annual Plan	Technical Team from NSDMA & Fire Dept.	SDG-6,13: PM10-5

5.1.6. Department of Rural Development

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Develop multi-hazard assessment checklist to assess the Risk, Vulnerability, and Capacity of people, livelihood and infrastructure in all Village Councils through Village Development Board (VDB), including the needs of the children, women, marginalized communities and persons with disabilities.	Village	Short Term	- Disaster Management Plan (MoPR) - Village Level Organizations(VLOs) - Self Help Groups (SHGs) - Community Cadres (CC)		SDG-5,9 PM 10-3,4
	2. Conduct Hazard, Risk, Vulnerability, and Capacity Assessment (HRVCA) of all all Village Councils through Village Development Board (VDB), including the needs of the children, women, arginalized communities and persons with disabilities	Village	Short Term	- VLOs - SHGs - CC		SDG-5,9 PM 10-3,4
	3. GIS/GPS Mapping of all infrastructure implemented through RD Department and monthly updation of the GPS database, categorising them as per disaster and structural vulnerability (safe and unsafe).	Village	Medium Term	Thematic Experts (Cluster Facilitation Project (CFP))	NGIS & Remote Sensing Centre	SDG-9,11 PM 10-4,5
	4. GIS/GPS Mapping of open spaces/ safe locations to set up relief camps in case the designated relief camps are damaged due to any disaster.	Village	Short Term	Thematic Experts (Cluster Facilitation Project (CFP))	NGIS & Remote Sensing Centre	SDG-9,11 PM 10-4,5
	5. Share the GIS/GPS Database to be integrated with	Village	Long Term	Thematic Experts	NGIS & _	SDG-3, 9 & 17

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	other departments.			(Cluster Facilitation Project (CFP)	Remote Sensing Centre	PM 10:4&5
Priority 2: Strengthening disaster risk governance to manage disaster risk	6. Develop Departmental Disaster Management Plan, SOP & Contingency Plans for Emergency Response for the Rural Development Department officials at all levels (State, District, Sub-District), covering fire, floods, landslides, earthquake, pandemic, etc.	Village	Medium Term		Training and Capacity Building from NSDMA	PM 10-1,4,9,10
	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	Village	Medium Term	Centrally Sponsored Scheme (CSS) State Scheme (SS) (1% of all schemes)		SDG 9 & 11, PM-1 & 8
	8. Form state-district & inter-departmental level joint monitoring teams to assess and monitor disaster preparedness, response, recovery and mitigation in Departmental projects.	Village	Medium Term	State team headed by Additional Director District team headed by Project Director		SDG-17 PM 10-4,7,9
	9. Mandatory integration of disaster preparedness, response, recovery, mitigation and climate change adaptation components in all the projects undertaken in Village Council by Village Development Board.	Village	Long Term	Centrally Sponsored Scheme State Scheme (SS)		SDG-13 PM 10-5,7,8
	10. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Medium Term	Centrally Sponsored Scheme State Scheme		PM 10-1
	11. Strengthen decentralised planning by ensuring participation of children, women, marginalised communities and persons with disabilities in activities undertaken by Village Development	Village	Annually	- People's Plan Campaign (PPC) - NSRLM		SDG-5,16 PM 10-3,8

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	Board.					
	12. Strengthen community-based disaster management by ensuring participation of children, women, marginalized communities and persons with disabilities in Village Development Board level Task Forces planning process.	Village	Annually	- People's Plan Campaign (PPC) - NSRLM		SDG-5 PM 10-3
	13. Setup systems to access early warning messages for lightning, flood, etc. by Village Development Board level Task Force members.	Village	Medium Term	- Church bell - Log drum - Social Media		SDG-9,11 PM 10-5,7
	14. Develop policy on disaster safety audit and life-span/ quality certificate for all infrastructure implemented through Village Development Board.	Village	Medium Term	Village Council		SDG-9, 11,16: PM 10-1,4
	15. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient rural development, & integrate that in the training curriculum for the Department officials.	State	Medium Term	State Institute of Rural Development (SIRD)		PM-1, 4, 8 & 9: SDG-13
Priority 3: Investing in disaster risk reduction for resilience	16. Mapping of resources available under various schemes (such as 15th Finance Commission, MGNREGS, PMAY-G, NSAP, NSRLM, etc.) for optimum convergence and integration of DRR.	State	Long Term	Thematic Experts (Cluster Facilitation Project (CFP))		SDG-9 PM 10-5
	17. Allocation of funds under various schemes (such as 15th Finance Commission, MGNREGS, PMAY-G, NSAP, NSRLM, etc.) for integration of disaster preparedness, response, recovery, mitigation and climate change adaptation	State	Medium Term			

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	components in all planned projects.					
	18. Take up plantation and bio-remedial measures to mitigate the impact of erosion and climate change.	Village	Short Term	• XV FC • MGNREGA • NSRLM	• Church • Student Bodies	SDG-13,15
	19. Construction of multi-purpose shelters/ community halls in hazard prone Villages.	Village		• XV FC • MGNREGA		SDG-9,11
	20. Develop Community Disaster Mitigation Project Proposals in line with National Disaster Risk Mitigation Fund guidelines ⁸ .	State	Medium Term	GIS		SDG-11 PM 10-1
	21. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets/infrastructure (office, equipment, houses, community halls, etc.) due to any disaster, staff/workers injury/death on duty, etc., in line with Digital India programme.	State	Medium Term	MIS		SDG-9 PM 10-4,5,7
	22. Promote solar-based electrification & rainwater harvesting in all offices, community halls, etc. in a phased manner.	State District Block Village	Short Term	• MGNREGA • XV FC • GIA • NSRLM	• New and Renewable Energy (NRE) • Public Health and Engineering (PHE) Department	SDG-6,7,8,11: PM 10-5, 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction	23. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient rural development.	State District Block Village	Short Term	RGSA	- NSDMA - Home Guards, Civil Defense & State Disaster Response Force - Fire & Emergency Services	PM-10: 1, 8 & 9
	24. Formation of Village Development Board (VDB) level Task Force involving VDB members, Community leaders, SHG representatives, CBO representatives, etc. to monitor the disaster preparedness, response, recovery and mitigation measures as well as continuity of food and nutrition services, at the Village level.	Village	Medium Term			SDG-2,11,12 PM 10-5,8,9
	25. Organise First-Aid, Search and Rescue training annually for physically fit youths in the village.	Village	Bi-annually	RGSA		PM-10: 1, 8 & 9
	26. Setup public announcement systems and disseminate early warning messages for lightning, flood, etc.	State District Block Village	Short Term	CSS SS	- Social Media - Student Bodies - Church	PM 10-5,7
	27. Orientation and capacity development of Village Development Board (VDB) level Task Force members and district level Coordination Committee members by SIRD on mainstreaming DRR in VDB undertaken projects.	State	Medium Term	RGSA		SDG-11,16 PM 10-1
	28. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, community halls, etc.	State District Block Village	Long Term	CSS SS		SDG-6,13: PM10-5

5.1.7. Department of Public Health Engineering

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all PHE infrastructure to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide, erosion, etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	State	Short Term	Dept. Annual Plan	NSDMA for Technical support	SDG-9, 11: PM10-1
	2. Conduct safety audit of all PHE infrastructure to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide, erosion, etc.) and possible remedial measures (retrofitting, demolition, reconstruction, etc.) to be taken.	State/ District	Long Term	Dept. Annual Plan		SDG-9, 11: PM10-1
	3. GIS/GPS Mapping of all PHE infrastructure and developing a database categorising them as per disaster and structural vulnerability (safe and unsafe).	State/ District	Short Term	Dept. Annual Plan		SDG-9 & 17 PM 10:4&5
	4. GIS/GPS Mapping of open spaces/ safe locations to set up temporary PHE infrastructure to continue WASH services in case the PHE facility is damaged due to any disaster.	State/ District	Short Term	Dept. Annual Plan	Nagaland GIS and Remote Sensing	SDG- 9 & 17 PM 10:4&5
	5. GIS/GPS Database to be integrated with other departments.	State/ District	Short Term	Dept. Annual Plan	Nagaland GIS and Remote Sensing	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk governance to	6. Develop Departmental Disaster Management Plan, SOP & Contingency Plans on emergency WASH response (earthquake, epidemic, flood, etc.) for the Department officials at all levels (State, District, Sub-District).	State/Circle / District	Long Term	Dept. Annual Plan	NSDMA for support	PM-1, 4, 8 & 9: SDG-13
	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness,	State	Long Term	Dept. Annual Plan		SDG 6, 9 & 11, PM-1 & 8

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
manage disaster risk	research & contingency purposes.					
	8. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State	Long Term	Dept. Annual Plan		PM-1, 4, 8 & 9: SDG-13
	9. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Short Term	Dept. Annual Plan	NSDMA for support	
	10. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State	Short Term	Dept. Annual Plan		
	11. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient water supply & sanitation facilities, & integrate that in the training curriculum for the Department officials.	State/Circle / District	Short Term	Dept. Annual Plan		PM-1, 4, 8 & 9: SDG-13
Priority 3: Investing in disaster risk reduction for resilience	12. Take remedial measures (retrofitting, demolition, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, erosion, etc.) based on the findings from the safety audit of all PHE infrastructure in a phased manner by the Department.	State	Short Term	Dept. Annual Plan	Technical Support from NSDMA	SDG-9, 11: PM10-1
	13. Increase the existing budget to incorporate disaster resilient measures in PHED infrastructure (Raised Platform Toilets, Hand Tubewells, etc.) and services (Portable Water	State	Short Term	Dept. Annual Plan	Technical Support from NSDMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	Treatment Unit).					
	14. Explore the possibility of funding for disaster resilient PHE infrastructure through PPP mode, CSR and crowdfunding.	State/Circle / District	Long Term	Dept. Annual Plan	Technical Support from NSDMA	
	15. Develop WASH Disaster Mitigation Project Proposals in line with National Disaster Risk Mitigation Fund guidelines ⁹ .	State/Circle / District	Long Term	Dept. Annual Plan	Technical Support from NSDMA	
	16. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, PWSS, latrines, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	State/Circle / District	Long Term	Dept. Annual Plan	Technical Support from NSDMA	
	17. Identify and include disaster risk financing and risk insurance options for PHE infrastructure.	State/Circle / District	Long Term	Dept. Annual Plan	Technical Support from NSDMA	
	18. Promote solar-based electrification & rainwater harvesting in all offices, etc. in a phased manner.	State/Circle / District	Long Term	Dept. Annual Plan	Technical Support from NRE	SDG-6,7,8,11: PM10-5, 9
Priority 4: Enhancing disaster preparedness for effective response and to "Build	19. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient water supply & sanitation facilities.	State/Circle / District	Long Term	Dept. Annual Plan	Technical Support from NSDMA	PM-10: 1, 8 & 9
	20. Develop IEC materials on WASH and DRR to be used at village and District level.	Division level	Short term	Dept. Annual Plan		
	21. Print IEC materials on WASH and DRR to be used at village, and District level & share	Division	Long term	Dept. Annual Plan		

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Back Better" in recovery, rehabilitation and reconstruction	through media for public awareness.	level				
	22. Preposition emergency response kits with essential supplies and equipment to set up temporary WASH facilities in case the PHE infrastructures are damaged by any disaster.	Division level	Short term	Dept. Annual Plan		
	23. Develop Social Behaviour Change Communication packages to address public health risks.	State/Division level	Short term	Dept. Annual Plan		
	24. Training, awareness generation and relief distribution for public health preparedness & response for Department officials.	State/Division level	Long term	Dept. Annual Plan		PM-10: 1, 8 & 9
	25. Procurement of adequate no. of PPE kits and safety equipment for frontline workers.	State/Division level	Short term	Dept. Annual Plan		
	26. Adapting global and national best practices for risk informed WASH preparedness, response and recovery.	State/Division level	Long term	Dept. Annual Plan		

5.1.8. Department of Social Welfare

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all Anganwadi Centres (AWCs), Child Care Institutions (CCIs), Old Age Homes, etc. by Social Welfare Department to identify the structural vulnerabilities, hazard risks (fire, earthquake, landslide, flood, erosion, etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	State/District	Short Term	ICDS	Technical Support from NSDMA, PWD (W&H), Fire and Emergency service	SDG- 11, 13: PM10-1 & 9
	2. Conduct safety audit of all AWCs, CCIs, Old Age Homes, etc. to identify the structural vulnerabilities, hazard risks (fire, earthquake, landslide, flood, erosion, etc.) and possible remedial measures (retrofitting, demolition, reconstruction, etc.) to be taken.	State/ Sub-Districts/ blocks	Short Term	ICDS	Technical Support from NSDMA, PWD (W&H), Fire and Emergency service	SDG- 11, 13: PM10-1 & 9
	3. Involve children & adolescents while conducting safety audit of AWCs through interactive exercises such as 'Hazard Hunt' where children can identify risks in and around their AWCs.	District/ blocks	Short Term	ICDS	Involve schools, NGOs	SDG- 11, 13: PM10-1, 8, 9
	4. Conduct study to identify risks faced by children due to disasters, climate change, forced migration, crime (trafficking, kidnapping, physical violence, sexual abuse, etc.), mental health issues and recommended actions in all districts of Nagaland.	State/District	Short Term	Integrated Child Protection Scheme (ICPS)/ Village Council	Collaborate with NSDMA, Police, NGOs	SDG- 11, 13: PM10-1, 8, 9
	5. GIS/GPS Mapping of all AWCs, CCIs, Old Age, etc. and develop a database categorising them as per disaster and structural vulnerability (safe and unsafe).	State/District/ Sub-District	Medium Term	Existing state & District resources in position	Technical Support from Nagaland State GIS and Remote sensing Center and Department of IT	SDG- 9, 11, 17: PM10-4&5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	6. GIS/GPS Mapping of open spaces/ safe locations to set up temporary AWCs in case the AWC is damaged due to any disaster.	State/District/Sub-District	Medium Term	Existing state & District resources in position	Technical Support from Nagaland State GIS and Remote sensing Center and Department of IT	SDG- 9, 11, 17: PM10-4&5
	7. Share the GIS/GPS Database to be integrated with other departments.	State/District	Medium Term	Existing state & District resources in position	Technical Support from NSDMA, and Department of IT Nagaland	SDG- 9, 11, 17: PM 10-6
Priority 2: Strengthening disaster risk governance to manage disaster risk	8. Develop Departmental Disaster Management Plan, SOPs & Contingency Plans on emergency nutrition and protection response (including review of continuity of essential food and nutrition services) for Social Welfare Department officials at all levels (State, District, Sub-District), covering flood, pandemic, fire, earthquake, etc.	State/District/ Sub-Division	Short Term	Existing state & District resources in position	Technical Support from NSDMA	SDG 4,3 9: PM10-1 & 9
	9. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State/District	Short Term	Existing state & District resources in position		SDG 11: PM10-1, 8
	10. Conduct mock-drills for AWCs, CCIs, Old Age Homes based on Departmental Disaster Management Plan, SOPs & Contingency Plans.	State/District	Short Term	Existing state & District resources in position	Technical Support from NSDMA, Fire and emergency services, Medical department, Police	SDG-11: PM10-1 & 8
	11. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient nutrition & protection services for children, adolescents & women, &	State/District	Short Term	ICDS, ICPS, Poshan Abhyan	Technical Support from NSDMA, Fire and emergency services, Medical	SDG-3, 11,13: PM10-1, 8,9:

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	integrate that in the training curriculum for the Department officials.				department, Police	
	12. Formation and strengthening of the Child Protection Committees at the village level.	State/District	Short Term	ICPS	Collaboration with village authorities and NGOs	SDG-1,4,10: PM10-1,8,9
	13. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State/District	Short Term	Dept. Annual plan	Technical support from NSDMA	SDG-11,13: PM10-1, 4, 8 & 9:
	14. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State/District	Short Term	Departmental Annual Plan	Technical support from NSDMA	SDG-4,17: PM1--1,9
	15. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State/District	Short Term	Existing state & District resources in position	Technical Assistance from UNICEF	SDG-11,13 PM10-1, 4, 8, 9
Priority 3: Investing in disaster risk reduction for resilience	16. Take remedial measures (retrofitting, demolition, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, earthquake, erosion, etc.) based on the findings from the safety audit of all AWCs, CCIs, Old Age Homes, etc. in a phased manner.	State/District	Medium Term	ICDS, ICPS, Poshan Abhyan	Technical Support from NSDMA, NPWD, Fire and Emergency service, CSR	SDG- 4,11: PM10-1,8,9
	17. Develop Disaster Mitigation Project Proposals for Social Welfare in line with National Disaster Risk Mitigation Fund guidelines ¹⁰ .	State/District	Short Term	Existing state & District resources in position	Technical Support from NSDMA	SDG-9,11: PM10-1, 8

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	18. Establish mechanism to review status and ensure continuity of essential nutrition services including growth monitoring, screening for malnutrition, care for children with Severe Acute Malnutrition, micronutrient supplementation and deworming for children and adolescents and counselling on MIYCN behaviours for children and women.	State/District	Short Term	ICDS, Poshan Abhyan, SAG	Technical Support from the Medical Department	SDG-1,2,3,4,10 PM10-2,3,9
	19. Identify and promote locally sourced protein and energy rich food supplements that are culturally relevant for distribution and consumption during disasters. Establish mechanisms to provide safely prepared fresh cooked foods from different food groups. Special care to be taken to stop distribution/promotion of breastmilk substitutes, infant formula, baby foods, and foods high in fats/salt/sugar (HFSS foods) for children (in line with IMS Act).	State/District	Short Term	ICDS, Poshan Abhyan	Technical Support from the Medical Department and Department of Agriculture and Horticulture Department	SDG-2,3,6,12 PM10-2,8,9
	20. Develop kitchen gardens in all AWCs.	State/District	Short Term	ICDS, Poshan Abhyan	Technical Support from Department of Agriculture and Horticulture Department	SDG-7,12 PM10-8,9
	21. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (offices, AWCs, CCIs, Old Age Homes, etc.) due to any disaster, injury/death of staff on duty, beneficiaries of AWCs, & children of CCIs due to disaster/pandemic, etc., in line with Digital India programme.	State/District	Short Term	Existing state & District resources in position	Technical Support from Department of IT, DIPR	SDG-9 PM10-5,6,7,9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	22. Promote solar-based electrification of all offices, AWCs, CCIs, Old Age Homes, etc. in a phased manner.	State/District/Sub-Division	Medium Term	Existing state & District resources in position	Technical support from Department of NRE, Nagaland	SDG-7, 11 PM10-5, 9
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction	23. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient nutrition & protection services for children & mothers.	District/Sub-Division	Short Term	ICDS, Poshan Abhiyan	Technical support from NSDMA	SDG-4,4,10,11 PM-10: 1, 3, 8 & 9
	24. Orientation of VLCPC, CWC, DCPU, Railway Police, Police, etc. other stakeholders as per the Departmental Disaster Management Plan, SOPs & Contingency Plans on Child Protection in Emergencies.	District/Sub-districts	Short Term	ICPS	Technical support from NSDMA	SDG-4 PM10-1,8,9
	25. Develop IEC materials on child rights, nutrition, protection, First-Aid, DRR, Climate Change, etc.	District/Sub-districts	Short Term	ICPS, ICDS		SDG-4,2,3,4,10,13 PM-10: 1,7, 8, 9
	26. Print and distribute IEC materials on child rights, nutrition, protection, First Aid, DRR, Climate Change, etc. for all AWCs, CCIs, Old Age Homes, etc.	District/Sub-districts	Short Term	ICPS, ICDS		SDG-4,2,3,4,10,13 PM-10: 1,7, 8, 9
	27. Knowledge and skill building among children, adolescents and women on child rights, nutrition, protection, First-Aid, DRR, Climate Change, etc. through a mix of AWC curriculum teaching and games.	District/Sub-districts	Short Term	ICPS, ICDS		SDG-4,2,3,4,10,13 PM-10: 1,7, 8, 9
	28. Knowledge and skill building among Anganwadi worker, Supervisors and Poshan Abhiyaan coordinators on adolescents and women on child rights, nutrition, First-Aid, DRR, Climate Change, etc.	District/Sub-districts	Short Term	ICPS, ICDS	Technical support from Medical Department, NSDMA	SDG-4,2,3,4,10,13 PM-10: 1,3,7, 8, 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	29. Installation of fire extinguishers, fire alarm, safe drinking water facility, construction of disaster resilient basic facilities such as toilets, hand-washing stations, sanitary waste incinerator, etc. in all AWCs, CCIs, Old Age Homes, etc.	State/District/Sub-districts	Medium Term	Existing state & District resources in position	Technical support from NSDMA, Department of PHED, NPWD, CSR	SDG-6,7,11 PM10-1,2,7,8
	30. Preposition emergency response kits with essential supplies to set up temporary AWC facilities in case the AWC is damaged by any disaster.	District/Sub-districts	Medium Term	ICDS	Technical support from NSDMA	SDG-11 PM10-1,2,7,8,9

5.2. RESILIENT INFRASTRUCTURE

In this theme, the stakeholders will focus on minimising disruption to the resources and structures which are critical for the society and economy to function optimally such as electricity, energy, telecommunication, industries, etc

5.2.1. Department of Cooperation

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, Warehouse/ Rural Godowns, etc. by Cooperation Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide, pest/rodent attack, etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	State	Mid Term	Dept. Annual Plan		SDG- 11: PM10-1
	2. Conduct safety audit of all offices, WAMUL, Warehouse/Rural Godowns, etc. by the Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide, pest/rodent attack, etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	State/ District/ Sub-Division	Mid Term	(a) Department Annual Plan (b) Existing human resources	Technical input from PWD, etc.	SDG- 11: PM10-1
	3. Hazard identification and vulnerability analysis - Conduct study to identify risks faced by offices, Warehouse/rural Godowns, etc. and recommend actions for all districts of Nagaland.	State/ District/ Sub-Division	Mid Term	(a) Department Annual Plan (b) Existing human resources	Technical input from PWD, etc.	
	4. GIS/GPS Mapping of all Departmental infrastructure (offices, Warehouse/Godowns, etc.) and develop a database categorising them as per their vulnerability (safe and unsafe).	State/ District/ Sub-Division	Long Term	(a) Department Annual Plan (b) Existing human resources	Technical input from Nagaland State GIS & Remote Sensing, etc	SDG 9 & 17 PM 10:4&5
	5. GIS/GPS Mapping of alternate locations for Warehouse/Rural Godowns in case Departmental infrastructure is damaged by any disaster.	State/ District/ Sub-Division	Long Term	(a) Department Annual Plan (b) Existing	Technical input from Nagaland State GIS & Remote Sensing,	SDG 9 & 17 PM 10:4&5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
				human resources	Administration, etc	
	6. GIS/GPS Database to be integrated with other departments.	State	Long Term	(a) Department Annual Plan (b) Existing human resources	Technical input from Nagaland State GIS & Remote Sensing, IT Department, etc	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk governance to manage disaster risk	7. Develop Departmental Disaster Management Plan, SOP & Contingency Plans on emergency response (fire, flood, earthquake, landslide, pest/rodent attack, etc.) for the Department officials at all levels (State, District, Sub-District).	State/ District/ Sub-Division	Mid Term	(a) Department Annual Plan (b) Existing human resources	Technical support from NSDMA, Administration, Community based organization.	PM-1, 4, 8 & 9: SDG-13
	8. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Mid Term	(a) Department Annual Plan (b) Existing human resources		SDG 9 & 11, PM-1 & 8
	9. Conduct mock-drills based on the Departmental Disaster Management Plan, SOP & Contingency Plans.	State	Mid Term	(a) Department Annual Plan (b) Existing human resources	Service of NSDMA	
	10. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient cooperative & warehouse management, & integrate that in the training curriculum for the Department officials.	State	Long Term	(a) Department Annual Plan (b) Existing human resources	Technical support from NSDMA, College, Universities, Forest, Ecology and Climate Change	PM-1, 4, 8 & 9: SDG-13

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
					department, etc.	
	11. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State	Long Term	(a) Department Annual Plan (b) Existing human resources	Technical support from NSDMA, College, Universities, Forest, Ecology and Climate Change department, etc.	PM-1, 4, 8 & 9: SDG-13
	12. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Long Term	(a) Department Annual Plan (b) Existing human resources	Technical support from NSDMA, etc.	
	13. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State/District	Long Term	(a) Department Annual Plan (b) Existing human resources		
	14. Digitisation of Supply Chain Management (including the movement, storage, etc.).	-	-	-	-	-
Priority 3: Investing in disaster risk reduction for resilience	15. Take remedial measures (retrofitting, demolition, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, earthquake, landslide etc.) based on the findings from the safety audit of all offices, Warehouse/Rural Godowns, etc. in a phased manner. (Well-planned buildings with well laid out entry and exit points, escape	State	Long Term	Department Annual Plan	Technical support from P.W.D Department, etc	SDG- 11: PM10-1

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	routes in case of fire, landslides, earthquakes or other disasters.)					
	16. Develop Disaster Mitigation Project Proposals for Cooperation in line with National Disaster Risk Mitigation Fund guidelines ¹⁴ .	State	Long Term	Existing human resources	Technical support from NSDMA, etc.	
	17. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (of offices, Warehouse/Rural Godowns, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	State	Long Term	(a) Department Annual Plan (b) Existing human Resources	Technical support from I&T department, Private Sectors, etc	
	18. Undertake regular pest/rodent control measures and introduce advanced technologies/techniques for preservation of food and civil supplies.	District/Sub-Division	Mid Term	(a) Department Annual Plan (b) Existing human Resources	Technical support from Agriculture and Horticulture department, KVK, Universities, Colleges, etc	
	19. Promote solar-based electrification & rainwater harvesting in all offices, Warehouse/Rural Godowns, etc. in a phased manner.	State	Long Term	(a) Department Annual Plan (b) Existing human Resources	Service of New & Renewable Energy and PHE Department	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness for effective response	20. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient cooperative & warehouse management.	State	Mid Term	(a) Department Annual Plan (b) Existing human Resources	Services of NSDMA, Universities, Colleges, etc	PM-10: 1, 8 & 9
	21. Orientation of staff at Warehouse, Rural	State	Long Term	(a) Department	Services of	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
and to “Build Back Better” in recovery, rehabilitation and reconstruction	Godowns as per the Departmental DM Plan, SOPs and Contingency Plans for emergency response.			nt Annual Plan (b)Existing human Resources	NSDMA, Universities, Colleges, etc	
	22. Develop IEC materials on integrating DRR and Climate Change Adaptation in cooperative & warehouse management.	State	Long Term	(a)Department Annual Plan (b)Existing human Resources	Services of IPR Department NGOs, etc	
	23. Print and distribute IEC materials on integrating DRR and Climate Change Adaptation in cooperative & warehouse management for all offices, & share through media for public awareness.	State	Long Term	(a)Department Annual Plan (b)Existing human Resources	Services of Media houses, I.P.R Department, NGOs, etc	
	24. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, Warehouse/Godowns, etc.	State	Short Term	(a)Department Annual Plan (b)Existing human Resources	Service of Fire & Emergency Department, etc.	SDG-6,13: PM10-5
	25. Procure safety equipment, life-vests, PPE Kits, etc. for emergency response in case of any disaster.	State	Short Term		Service of Fire & Emergency Department	

5.2.2. Department of Forest, Ecology and Wildlife

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, outposts, etc. by Forests, Ecology, Environment & Wildlife Department to identify the structural vulnerabilities, hazard risks (fire, flood, erosion, etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	PCCF and HoFF And Range level	Short Term	Dept. Engineering wing can be engaged.	Dept. of Housing Dept. of fire and Emergency Services	PM10-1 SDG-11,15
	2. Conduct safety audit of all offices, outposts, etc. by the Department to identify the structural vulnerabilities, hazard risks (fire, flood, erosion, etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	PCCF and HoFF And Range level	Short Term	Dept. Engineering wing can be engaged.	Dept. of Housing Dept. of fire and Emergency Services	PM10-1 SDG-11,15
	3. Conduct study to identify risks faced by National Parks, Reserved Forests, Protected Areas and animals residing in them, and recommended actions for all districts of Nagaland.	Chief Wildlife Warden and Range level	Long term	Management Plan Available.	Dept. of Veterinary	Forest(Conservation) Act, 1980, India Forest Act,1927. Wild Life (Protection Act, 1974
	4. Involve local communities while conducting study to identify risks faced by National Parks, Reserved Forests, Protected Areas and animals residing in them.	Chief Wildlife Warden and Range level	Long term	Management Plan Available.	Dept. of Veterinary	Forest(Conservation) Act, 1980, India Forest Act,1927. Wild Life (Protection Act, 1974
	5. GIS/GPS Mapping of all Departmental infrastructure, National Parks, Reserved Forests,	PCCF and HoFF	Short Term	Field level staff who are trained in	Nagaland GIS & Remote Sensing,	Forest(Conservation)

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	Protected Areas and developing a database categorising them as per their vulnerability (eco-sensitive, flood prone, forest fire prone, landslide prone proximity to industries, etc.).	And Range level		GPS handling and survey works.	Working Plan Cell (Forest)	Act, 1980, India Forest Act, 1927. Wild Life (Protection Act, 1971 SDG 9 & 17 PM 10:4&5
	6. GIS/GPS Mapping of Raised highlands in National Parks, Reserved Forests and Protected Areas for wild animals to take refuge during any disaster.	PCCF and HoFF And Range level	Short Term	Field level staff who are trained in GPS handling and survey works	Nagaland GIS & Remote Sensing, Working Plan Cell (Forest)	Forest(Conservation) Act, 1980, India Forest Act, 1927. Wild Life (Protection Act, 1971 SDG 9 & 17 PM 10:4&5
	7. Share the GIS/GPS Database to be integrated with other departments.	PCCF and HoFF And Range level	Short Term	Can be uploaded in common portal	Nagaland GIS & Remote Sensing, Working Plan Cell (Forest)	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk governance to manage disaster risk	8. Develop Departmental Disaster Management Plan, SOP & Contingency Plans on emergency response (floods, forest fire, landslide, earthquake etc.) for the Department officials at all levels (State, District, Sub-District).	PCCF and HoFF And Range level	Short Term	CSS Schemes	NSDMA, Fire Dept.	PM-1, 4, 8 & 9: SDG-13
	9. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	PCCF and HoFF And Range level	Short Term	CSS for Wildlife and Fire Management.	Finance Dept.	SDG 9 & 11, PM-1 & 8
	10. Develop/update District/National Parks/Reserved Forests/Protected Areas level	Chief Wildlife	Short Term	Management Plan	NSDMA, Veterinary and	Forest(Conservation)

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	disaster management plans and conduct mock-drills.	Warden and Range level			Animal Husbandry.	Act, 1980, India Forest Act, 1927. Wild Life (Protection Act, 1971
	11. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	PCCF and HoFF And Range level	Long term	State Action Plan on Climate Change.	Finance Dept.	PM-1, 4, 8 & 9: SDG-13
	12. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	PCCF and HoFF And Range level	Long term	State Action Plan on Climate Change	Finance Dept.	
	13. Formation and strengthening of the Joint Forest Management Committees and Eco-Development Committees for forest and wildlife conservation.	PCCF and HoFF And Range level	Long term	JFMCs and Community Reserve Committees	Wildlife Wing	Forest Development Agency. Wild Life (Protection Act, 1971
	14. Revise/update State Action Plan on Climate Change (SAPCC) in line with Intended Nationally Determined Contributions (INDC), NAPCC and allocation of funds for implementation.	PCCF and HoFF And Range level	Long term	Formulated		
	15. Coordinate with UDD, KMC, DMC, MMC, IT Dept. & lead in developing a policy on safe waste recycling & disposal, including e-waste.	PCCF and HoFF And Range level	Short term	NPCB	Dept. of UDD and MA	
	16. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient forest & environment management, & integrate that in the training	PCCF and HoFF And Range level	Medium term	SAPPC to integrated with SEFTI Courses	Directorate of Forest Education	PM-1, 4, 8 & 9: SDG-13

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	curriculum for the Department officials.					
Priority 3: Investing in disaster risk reduction for resilience	17. Take remedial measures (retrofitting, demolition, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, earthquake, erosion, etc.) based on the findings from the safety audit of all offices, outposts, etc. in a phased manner.	PCCF and HoFF And Range level	Medium term	Engineering wing of the forest Dept.	NSDMA, Fire Dept.	PM10-1 SDG-11,15
	18. Allocation of funds for integration of DRR and Climate Change Adaptation components in all Departmental projects.	PCCF and HoFF And Range level	Medium term	Under CSS	Finance	
	19. Develop Disaster Mitigation Project Proposals for Environment and Forest in line with National Disaster Risk Mitigation Fund guidelines ¹² .	PCCF and HoFF And Range level	Long term	Under CSS		
	20. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (offices, outposts, etc.) due to any disaster, injury/death of animals, staff on duty, etc., in line with Digital India programme.	PCCF & HoFF, CWLW and Range level	Medium	Dept. Annual Plan	NIC, Nagaland	
	21. Set up 'Air Operation Wing', using helicopters (including Annual Maintenance Contract), to rescue to locate and airlift injured animals to the rescue centres for timely treatment.	PCCF and HoFF And Range level	Short	Dept. Annual Plan		
	22. Procure & deploy drones (including Annual Maintenance Contract) to monitor & prevent poaching & illegal logging in National Parks, Reserved Forests and Protected Areas.	PCCF and HoFF And Range level	Medium	Wildlife Wing Schemes		

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	23. Procure & deploy customized multi-purpose all-terrain vehicles (including Annual Maintenance Contract) for patrolling, animal/human ambulance & forest fire fighting.	PCCF and HoFF CWLW	Long term	Wildlife Wing Schemes		
	24. Construction of roads in National Parks, Reserved Forests and Protected Areas for monitoring and prevention of poaching.	PCCF and HoFF CWLW	Long term	Wildlife Wing Schemes	Dept. Roads and Bridges	Forest(Conservation) Act, 1980, India Forest Act,1927. Wild Life (Protection Act, 1971
	25. Construction of Raised highlands in National Parks, Reserved Forests and Protected Areas for wild animals to take refuge during disasters.	PCCF and HoFF CWLW	Long term	Wildlife Wing Schemes	Dept. Roads and Bridges, Veterinary.	Forest(Conservation) Act, 1980, India Forest Act,1927. Wild Life (Protection Act, 1971
	26. Reforestation of degraded forest lands.	PCCF and HoFF And Range level		Forest Development Schemes etc.		PCCF and HoFF And Range level
	27. Coordinate with concerned Departments (UDD, KMC, DMC, MMC, Revenue & DM Dept.) to protect & restore wetland ecosystem in the state.	PCCF and HoFF And Range level	Long term		Dept. of UDD and MA	PCCF and HoFF And Range level
	28. Coordinate with concerned Departments to increase plantation/afforestation in available spaces in the state including Govt. offices, hotels, hospitals, industries, educational institutes, etc.	PCCF and HoFF And Range level	Long term	CSS and States Schemes	Concern Dept.	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	29. Promote solar-based electrification & rainwater harvesting in all offices, outposts, etc. in a phased manner.	PCCF and HoFF And Range level	Long term	Dept. Schemes	Science & Technology, Housing/ NRE	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	30. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient forest & environment management.	PCCF and HoFF And Range level	Long term	State Environment and Forestry Training Institute.		PM-10: 1, 8 & 9
	31. Training of Forest Officers, Guards, Joint Forest Management Committees, Eco-Development Committees, etc. on Forest Fire Prevention & Management.	PCCF and HoFF And Range level	Long term	State Environment and Forestry Training Institute		PM-10: 1, 8 & 9
	32. Develop IEC materials on DRR, Climate Change, benefits of Afforestation, Wildlife Conservation, Forest Fire Prevention & Management, etc.	PCCF and HoFF CWLW	Long term	Dept. Schemes		
	33. Print and distribute IEC materials on DRR, Climate Change, benefits of Afforestation, Wildlife Conservation, etc. for all Forest Guards, Joint Forest Management Committees, Eco-Development Committees, etc.	PCCF and HoFF CWLW	Continuous	Dept. Schemes		
	34. Organise awareness programmes on DRR, Climate Change, benefits of Afforestation, Wildlife Conservation, etc. for local communities settled in the fringes of National Parks, Reserved Forests and Protected Areas and share information through radio, print, TV and social media.	PCCF and HoFF CWLW	Continuous	Dept. Schemes		
	35. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, outposts, etc. (including Annual Maintenance Contract).	PCCF and HoFF And Range level	Long term	Dept. Schemes	Fire Dept.	SDG-6,13: PM10-5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	36. Procure engine boats, life-vests, rescue equipment, etc. for emergency response in case of any disaster (including Annual Maintenance Contract).	PCCF and HoFF And Range level	Long term	Dept. Schemes	PCCF and HoFF And Range level	Long term

Note:

- # PCCF & HoFF: Principal Chief Conservator of Forests and Head of Forest Force.
- # CWLW: Chief Wildlife Warden.
- # JFMC: Joint Forest Management Committee.
- # NPCB: Nagaland Pollution Control nBoard.

5.2.3. Department of Industries & Commerce

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, DICC's, Trade Centres, industrial units, etc. by Industries & Commerce Department to identify the structural vulnerabilities, hazard (fire, flood, earthquake, landslide, pandemic, etc.) and security threats, and recommend possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.	State/District	Short term	Dept. Annual Plan	Technical Support from NSDMA	PM10-1 SDG-11
	2. Conduct safety audit of all offices, DICC's, Trade Centres, industrial units, etc. by Industries & Commerce Department to identify the structural	State/District	Short term	Dept. Annual Plan	Technical Support from NSDMA	PM10-1 SDG-11

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	vulnerabilities, hazard (fire, flood, earthquake, landslide, pandemic, etc.) and security threats, and recommend possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.					
	3. GIS/GPS Mapping of all Departmental infrastructure (offices, DICC's, Trade Centres, industrial units, etc.) and developing a database categorising them as per their vulnerability (safe and unsafe).	State/District	Medium term	Dept. Annual Plan	Technical Support from IT	SDG 9 & 17 PM 10:4&5
	4. Share the GIS/GPS Database to be integrated with other departments.	State/District	Medium term	Dept. Annual Plan	Technical Support from IT	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk governance to manage disaster risk	5. Develop Departmental Disaster Management Plan, SOP & Contingency Plans for Emergency Response (fire, flood, earthquake, pandemic, security threats, etc.) for Department officials at all levels (State, District, Sub-District).	State/District	Short term	Dept. Annual Plan	Technical Support from NSDMA	PM-1, 4, 8 & 9: SDG-13
	6. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State/District	Medium term	Dept. Annual Plan	Technical Support from NSDMA	SDG 9 & 11, PM-1 & 8
	7. Conduct regular mock-drills based on Departmental Disaster Management Plan, SOP & Contingency Plans.	State/District	Short term	Dept. Annual Plan	Technical Support from NSDMA	
	8. Support private sector players in developing their Business Continuity Plans in order to build their resilience to disasters.	State/District	Short term	Dept. Annual Plan	Technical Support from NSDMA/BAN	
	9. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the Departmental projects.	State/District	Medium Term	Dept. Annual Plan	Technical Support from NSDMA	PM-1, 4, 8 & 9: SDG-13
	10. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster	State/District	Medium Term	Dept. Annual Plan	Technical Support from NSDMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	Management Plan and budgets.					
	11. Form state-district level joint monitoring teams to assess and monitor disaster preparedness, response, recovery and mitigation in Departmental projects.	State/District	Short Term	Dept. Annual Plan	Technical Support from NSDMA	
	12. Develop/update content on integration of DRR & Climate Change Adaptation in Industrial Safety, Security & disaster resilience, & integrate that in the training curriculum for the Department officials.	State/District	Short Term	Dept. Annual Plan	Technical Support from NSDMA	PM-1, 4, 8 & 9: SDG-13
Priority 3: Investing in disaster risk reduction for resilience	13. Take remedial measures (retrofitting, reconstruction, relocation, etc.) against the identified structural vulnerabilities, hazard (fire, flood, earthquake, pandemic, etc.) and security threats, based on the findings from the safety audit of all offices, DICC's, Trade Centres, industrial units, etc. in phased manner.	State/District	Medium Term	Dept. Annual Plan	Technical Support from NSDMA	PM10-1 SDG-9,11
	14. Allocation of funds for integration of DRR and Climate Change Adaptation components in all Departmental projects.	State/District	Medium Term	Dept. Annual Plan	Technical Support from NGIS/NSDMA	
	15. Develop Disaster Mitigation Project Proposals for Industries & Commerce in line with National Disaster Risk Mitigation Fund guidelines ¹³ .	State/District	Medium Term	Dept. Annual Plan	Technical Support from NSDMA	
	16. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, etc.) due to any disaster, staff/workers injury/death on duty, etc., in line	State/District	Medium Term	Dept. Annual Plan	Technical Support from PWD/NSDMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	with Digital India programme.					
	17. Promote solar-based electrification & rainwater harvesting in all offices, DICC's, Trade Centres, industrial units, etc. in a phased manner.	State/District	Medium Term	Dept. Annual Plan	Technical Support from NRE/PHED	SDG-6,7,8,11: PM10-5,9
	18. Encourage private sector players in adopting environment friendly and renewable energy technologies in their businesses.	State/District	Medium Term	Dept. Annual Plan	Technical Support from Forest/NRE	
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction	19. Conduct training for the Industries & Commerce Department officials on Industrial Safety & Security.	State/District	Medium Term	Dept. Annual Plan	Technical Support from NSDMA/FIRE	
	20. Develop IEC materials on integrating DRR and Climate Change Adaptation for Industrial Safety, Security & disaster resilience.	State/District	Medium Term	Dept. Annual Plan	Technical Support from IPR	
	21. Print and distribute IEC integrating DRR and Climate Change Adaptation for Industrial Safety, Security & disaster resilience for all offices, DICC's, Trade Centres, industrial units, etc. & also share through media for public awareness.	State/District	Short Term	Dept. Annual Plan	Technical Support from IPR	
	22. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, DICC's, Trade Centres, industrial units, etc.	State/District	Short Term	Dept. Annual Plan	NSDMA/Fire & Emergency	SDG-6,13: PM10-5
	23. Procure safety equipment, life-vests, PPE Kits, etc. for emergency response in case of any disaster.	State/District	Short Term	Dept. Annual Plan	NSDMA	

5.2.4. Department of Information & Public Relations

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, etc. under the Information & Public Relations Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, etc.) and possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.	State	Short Term	Dept. Annual Plan	NSDMA	PM10-1 SDG-11
	2. Conduct safety audit of all offices, etc. under the Department to identify the structural vulnerabilities, hazard risks (fire, flood, landslide, earthquake, etc.) and recommend possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.	State	Short Term	Dept. Annual Plan	NSDMA	PM10-1 SDG-11
	3. Conduct regular surveys/studies to identify the level of public awareness regarding disaster preparedness, response, recovery and mitigation.	State	Short Term	Dept. Annual Plan	NSDMA	
	4. GIS/GPS Mapping of all Departmental infrastructure and developing a database categorising them as per their vulnerability (safe and unsafe).	State	Short Term	Dept. Annual Plan	Land Record & Survey GIS Remote Sensing Center	SDG 9 & 17 PM 10:4&5
	5. Share the GIS/GPS Database to be integrated with other departments.	State	Short Term	Dept. Annual Plan	Land Record & Survey GIS Remote Sensing Center	SDG 9 & 17 PM 10:4&5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 2: Strengthening disaster risk governance to manage disaster risk	6. Develop Departmental Disaster Management Plan, SOP & Contingency Plans for Emergency Response (cyber-attack, fake news, false rumours, fire, floods, pandemic, etc.) for the Department officials at all levels (State, District, SubDistrict).	State	Short Term	Dept. Annual Plan	NSDMA	PM-1, 4, 8 & 9: SDG-13
	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Yearly Short term	Dept. Annual Plan	NSDMA	SDG 9 & 11, PM-1 & 8
	8. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Short Term 2025	Dept. Annual Plan	NSDMA	
	9. Form state-district level teams to document the learnings/success stories on the integration of disaster preparedness, response, recovery, and mitigation components by various Departments in their projects/schemes.	State	Short Term 2025	Dept. Annual Plan	Need inputs from Department	
	10. Develop/update content on the importance of integrating DRR & Climate Change Adaptation in various Departmental schemes, and integrate that in the training curriculum for the Department officials.	State	Long Term	Dept. Annual Plan	NSDMA	PM-10: 1, 8 & 9
Priority 3: Investing in disaster risk reduction for resilience	11. Take remedial measures (retrofitting, reconstruction, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, landslide, earthquake, etc.) based on the findings from the safety audit of all offices, etc. in a phased manner.	State	Short Term	Dept. Annual Plan	PM10-1 SDG-11	
	12. Develop and implement an online reporting system (MIS) for documenting damage and loss	State	Yearly	Dept. Annual Plan	NSDFMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	related to Departmental assets (office, equipment, etc.) due to any disaster, injury/death of workers/journalists on duty, etc., in line with Digital India programme.					
	13. Develop and migrate to a secure online portal to maintain journalists' database, application process for medical welfare, pension, one-time ex gratia, etc. linked with Aadhaar.	State	Yearly	Dept. Annual Plan		
	14. Promote solar-based electrification & rainwater harvesting in the offices in a phased manner.	State/District	Short Term	Dept. Annual Plan	NRE	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction	15. Training of the Department officials on the importance of integrating DRR & Climate Change Adaptation in various Departmental schemes.	State	Short Term	Dept. Annual Plan		PM-10: 1, 8 & 9
	16. Develop mass awareness campaigns on DRR and Climate Change Adaptation Fixed Loudspeaker System (FLS), Street Plays, Print/TV/Social Media, etc.	State/District	Short Term	Dept. Annual Plan	Local Dailies, DDK, AIR, Social Media	
	17. Support all Departments in developing IEC materials on integrating DRR and Climate Change Adaptation in the Departmental projects/schemes.	State	Long Term	Dept. Annual Plan	NSDMA	
	18. Support all Departments in printing and distributing IEC materials, on integrating DRR and Climate Change Adaptation in the Departmental projects/schemes.	State	Medium	Dept. Annual Plan	NSDMA & Department	
	19. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, etc.	State/District/Sub-Division	Annual after Inspection	Dept. Annual Plan	NSDMA	SDG-6,13: PM10-5

5.2.5. Department of Information Technology & Communication

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, data centres, CSCs, services, etc. by Information Technology to identify the structural vulnerabilities, hazard (fire, flood, earthquake, landslide etc.) & cyber-attack risks, & possible remedial measures (retrofitting, relocation, etc.) to be taken.	AHOD	Short Term	CSC, SDC, ICT	District Administration, Police	PM10-1 SDG-11
	2. Conduct safety audit of all offices, data centres, CSCs, services, etc. to identify the structural vulnerabilities, hazard (fire, flood, earthquake, landslide etc.) & cyberattack risks, & recommend possible remedial measures (retrofitting, relocation, etc.) to be taken.	Directorate	Medium Term	STQC, Cyber Security Audit, State Action Plan in place	Technical Support from NSDMA, District Administration	PM10-1 SDG-9, 11
	3. Support all Government Departments in assessing the vulnerabilities in their online database, MIS portals, etc.	Directorate	Long Term	NA	Planning, Finance Department	SDG 17, PM 5
	4. Conduct a survey to identify all the obsolete ICT equipment currently in possession of the Government Departments. Share the report with the Chief Secretary, Forest, Ecology, Environment and Wildlife Dept., KMC, DMC, MMC, UDD & NSDMA.	Directorate	Medium Term	Nagaland State e-Waste Management Policy	-	SDG 17, PM 4, 5
	5. GIS/GPS Mapping of all offices, data centres, etc. and develop a database categorising them as per disaster and structural vulnerability (safe and unsafe).	Directorate	Medium Term	Dept. Annual Plan	Technical Support from RS&GIS, NSDMA	SDG 9 & 17 PM 10:4&5
	6. Share the GIS/GPS Database to be integrated with other departments.	Directorate	Medium Term	Dept. Annual Plan	Technical Support from RS&GIS	SDG 9 & 17 PM 10:4&5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 2: Strengthening disaster risk governance to manage disaster risk	7. Develop Departmental Disaster Management Plan, SOPs & Contingency Plans/Business Continuity Plan for Emergency Response (fire, flood, earthquake, landslide, cyber-attack, etc.) for the Department officials at all levels (State, District, Sub-District).	Directorate	Short Term	Departmental Annual Plan	Technical Support from NSDMA	PM-1, 4, 8 & 9: SDG-13
	8. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	Directorate	Short Term	Departmental Annual Plan	Planning, Finance Department	SDG 9 & 11, PM-1 & 8
	9. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	Directorate	Medium Term	CERT-in Certification	-	PM-1, 4, 8 & 9: SDG-13
	10. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	Directorate	Short Term	Department Annual Plan	-	PM 10-2, 5
	11. Conduct regular mock drills based on the Disaster Management Plan, SOPs & Contingency Plans/ Business Continuity Plan in the offices, data centres, CSCs, etc.	Directorate	Medium Term	Department Annual Plan	Technical Support from NSDMA, Police, District Administration	PM 17
	12. Support Env. & Forest Dept., KMC, DMC, MMC & UDD in developing a policy on e-waste safe recycling & disposal.	Directorate	Medium Term	Nagaland State e-Waste Management policy	Technical Support from NSDMA	SDG 11
	13. Support all Government Departments in developing and managing a secure online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	Directorate	Long Term	e-Services, STQC, Security Audit	-	SDG 10, 17

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	14. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	Directorate	Long Term	Departmental Annualplan	Forest, Environment & Climate Change Department, NSDMA	SDG 9, 17
	15. Develop/update content on integration of DRR & Climate Change Adaptation in disaster resilient information & communication technology, & integrate that in the training curriculum for the Department officials.	Directorate	Medium Term	Departmental AnnualPlan	Forest, Environment & Climate Change Department	PM-1, 4, 8 & 9: SDG-13
Priority 3: Investing in disaster risk reduction for resilience	16. Take remedial measures (retrofitting, relocation, closure, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, earthquake, landslide, chemical disaster, etc.) based on the findings from the safety audit of all offices, data centres, CSCs, services, etc. in phased manner.	Directorate	Medium Term	Departmental AnnualPlan	-	PM10-1 SDG-9, 11
	17. Develop Disaster Mitigation Project Proposals, to ensure disaster resilient information & communication technology, in line with National Disaster Risk Mitigation Fund guidelines ¹⁴ .	Directorate	Medium Term	Departmental AnnualPlan	-	SDG 9, PM 5
	18. Develop and implement a secure online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, infrastructure, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	Directorate	Medium Term	Departmental AnnualPlan	-	SDG 9, PM 5
	19. Support all Departments in developing and implementing a secure online reporting system (MIS) for documenting damage and loss related	Directorate	Medium Term	e-District, e-Services, State portal	-	SDG 17, PM 5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	to Departmental assets (office, equipment, infrastructure, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.					
	20. Promote solar-based electrification & rainwater harvesting in all offices, data centres, etc. in a phased manner.	Directorate	Short Term	Departmental Annual plan	Power, Water resource Department, PWD(Housing)	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	21. Training of the Department officials on integrating DRR and Climate Change Adaptation for disaster resilient information & communication technology.	Directorate	Short Term	Dept. Annual Plan	Technical Support from NSDMA, Forest	SDG 13
	22. Develop IEC materials on integrating DRR and Climate Change Adaptation for disaster resilient information & communication technology.	Directorate	Medium Term	State Portal, Departmental Website, SDC	-	PM 5
	23. Print and distribute IEC materials on integrating DRR and Climate Change Adaptation for disaster resilient information & communication technology for all offices, data centres, etc.	Directorate	Medium Term	State Portal, Departmental Website, SDC	-	SDG 13, PM 5
	24. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, data centres, CSCs, etc.	Directorate	Medium Term	Departmental Annual Plan	-	SDG-6,13: PM10-5

CSC- Common Service Center (Mission Mode Project under Digital India Programme)

SDC- State Data Center, National e-Governance Plan

CERT-in – Indian Computer Emergency Response Team District- Delivery of Citizen Services

5.2.6. Department of Geology and Mining

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, lease holders of mines, industrial sites, etc. by Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, chemical disaster, etc.) & possible remedial measures (retrofitting, relocation, closure, etc.) to be taken.	District	Short Term	Dept. Annual Plan		PM10-1 SDG-11
	2. Conduct safety audit of all offices, lease holders of mines, industrial sites, etc. to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.) and recommend possible remedial measures (retrofitting, relocation, closure, etc.) to be taken.	District/Sub-District	Short Term	Dept. Annual Plan		PM10-1 SDG-9, 11
	3. Involve local community representatives, youth groups, NGOs, etc. for consultation prior to & during the mining & mineral exploration.	District/Sub-District	Short Term	Dept. Annual Plan		
	4. Conduct hydrogeological survey covering the entire state to study the ground water condition & feasibility of ground water utilization. Advice concerned Departments (Forest, Ecology, Environment & Wildlife; Water Resources; PHE, etc.) for proper exploration & exploitation of ground water for future use.	State	Medium Term	Dept. Annual Plan	Additional funds required	CGWB & other allied state departments.
	5. Conduct research on efficient & environment friendly sources of energy generation/storage (graphene, solid-state battery, etc.), in collaboration with Science & Technology Dept., Universities & Private Sector. Publish the research findings.	State	Medium Term	Dept. Annual Plan	Technical support from NSDMA, universities, colleges, etc	
	6. GIS/GPS Mapping of all offices, mines, industrial sites, etc. and develop a database categorizing	State	Medium Term	Dept. Annual Plan		SDG 9 & 17 PM 10:4&5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	them as per disaster and structural vulnerability (safe and unsafe).					
	7. Share the GIS/GPS Database to be integrated with other departments.	State	Short Term			SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk governance to manage disaster risk	8. Develop Departmental Disaster Management Plan, SOPs & Contingency Plans for Emergency Response (fire, flood, earthquake, landslide, chemical disaster, etc.) for the Department officials at all levels (State, District, Sub-District) & for mines & industrial sites.	State/District/Sub-District	Medium Term	Dept. Annual Plan		PM-1, 4, 8 & 9: SDG-13
	9. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Short Term	Dept. Annual Plan	Technical support from NSDMA	SDG 9 & 11, PM-1 & 8
	10. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State	Short Term	Dept. Annual Plan	Additional funds required, Technical support from NSDMA	PM-1, 4, 8 & 9: SDG-13
	11. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Short Term	Dept. Annual Plan	Additional funds required, Technical support from NSDMA	
	12. Under 'Research & Development Wing' within the Department, conduct research on efficient & environmental sources of energy generation, newer & environment friendly technologies in mineral & ground water exploration, etc.	State	Medium Term	Dept. Annual Plan	Technical support from NSDMA, , universities, colleges, etc	CGWB,GSI
	13. Conduct regular mock drills based on the Disaster Management Plan, SOPs & Contingency Plans in the offices, mines & industrial sites.	State/District/Sub-District	Short Term	Dept. Annual Plan	Technical support from NSDMA	
	14. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and	State	Short Term	Dept. Annual Plan		

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	mitigation components in the Departmental projects/schemes.					
	15. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable mining & mineral use, & integrate that in the training curriculum for the Department officials.	State/District/Sub-District	Short Term	Dept. Annual Plan	Forest /NSDMA	PM-1, 4, 8 & 9: SDG-13
Priority 3: Investing in disaster risk reduction for resilience	16. Take remedial measures (retrofitting, relocation, closure, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, earthquake, landslide, chemical disaster, etc.) based on the findings from the safety audit of all offices, mines, industrial sites, etc. in phased manner.	State/District/Sub-District	Medium Term	Dept. Annual Plan		PM10-1 SDG-9, 11
	17. Allocation of funds for integration of DRR and Climate Change Adaptation components in all Departmental projects.	State	Short Term	Dept. Annual Plan		PM-1, 4, 8 & 9: SDG-13
	18. Develop Disaster Mitigation Project Proposals, to ensure disaster resilient & sustainable mining & mineral use, in line with National Disaster Risk Mitigation Fund guidelines ¹⁵ .	State/District/Sub-District	Medium Term	Dept. Annual Plan		
	19. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, mines, industrial sites, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	State/District/Sub-District	Medium Term	Dept. Annual Plan	Technical support from NSDMA	IBM/OTHER Central or State agencies
	20. Promote solar-based electrification & rainwater harvesting all offices, mines, industrial sites, mining affected villages, etc. in a phased	District/Sub-District	Medium Term	Dept. Annual Plan	NRE	SDG-6,7,8,11: PM10-5,9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	manner.					
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	21. Training of the Department officials on integrating DRR and Climate Change Adaptation for disaster resilient & sustainable mining & mineral use.	State/District/Sub-District	Short Term	Dept. Annual Plan	Technical support from NSDMA/FOREST	
	22. Develop IEC materials on integrating DRR and Climate Change Adaptation for disaster resilient & sustainable mining & mineral use.	State/District/Sub-District	Short Term	Dept. Annual Plan		
	23. Print and distribute IEC materials on integrating DRR and Climate Change Adaptation for disaster resilient & sustainable mining & mineral use for all offices, mines, industrial sites, etc., & share through media for public awareness.	State/District/Sub-District	Short Term	Dept. Annual Plan		
	24. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, mines, industrial sites, etc.	State/District/Sub-District	Short Term	Dept. Annual Plan		SDG-6,13: PM10-5

5.2.7. Department of Power

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all Power infrastructure (offices, grids, transmission lines, transformers, high-tension lines, etc.) to identify the structural vulnerabilities, hazard risks (fire, flood, landslide, earthquake, etc.), security threats, and possible remedial measures (retrofitting, repair, reconstruction, relocation, etc.) to be taken.	State	Short Term	Dept. Annual Plan		PM10-1 SDG-11
	2. Conduct safety audit of all Power infrastructure (offices, grids, transmission lines, transformers, high-tension lines, etc.) to identify the structural vulnerabilities, hazard risks (fire, flood, landslide, earthquake, etc.), security threats, and recommend possible remedial measures (retrofitting, repair, reconstruction, relocation, etc.) to be taken.	State/District/Division	Medium Term	Dept. Annual Plan	NSDMA	PM10-1 SDG-9, 11
	3. GIS/GPS Mapping of all Power infrastructure and develop a database categorizing them as per disaster and structural vulnerability (safe and unsafe).	State/District/Division	Long Term	Dept. Annual Plan	Nagaland GIS & Remote Sensing	SDG 9 & 17 PM 10:4&5
	4. Share the GIS/GPS Database to be integrated with other departments.	State/District/Division	Long term	Dept. Annual Plan	Nagaland GIS & Remote Sensing	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk	5. Develop Departmental Disaster Management Plan, SOP & Contingency Plans for Emergency Response (fire, flood, earthquake, landslide, pandemic, security threats, etc.) for the Department officials at all levels (State,	State/District/Division	Long Term	Dept. Annual Plan	NSDMA	PM-1, 4, 8 & 9: SDG-13

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
governance to manage disaster risk	District, Sub-District).					
	6. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Short Term	Dept. Annual Plan	Finance Department	SDG 9 & 11, PM-1 & 8
	7. Conduct regular mock-drills based on Departmental Disaster Management Plan, SOP & Contingency Plans.	State/District/Division	Short Term	Dept. Annual Plan	NSDMA	
	8. Form state-district level joint monitoring teams to assess and monitor disaster preparedness, response, recovery and mitigation in Departmental projects.	State/District/Division	Medium term	Dept. Annual Plan		
	9. Nomination of Safety Officer in each Zone, Division and Subdivision.	State	Long Term	Dept. Annual Plan	Department of Forest, Environment & Climate change	
	10. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State	Medium Term	Dept. Annual Plan	Finance Department	PM-1, 4, 8 & 9: SDG-13
	11. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Medium Term	Dept. Annual Plan	NSDMA	
	12. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State/District/Division	Long Term		Finance Department	
	13. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient power infrastructure, &	State/District/Division	Long Term		NSDMA/ Forest	PM-10: 1, 8 & 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	integrate that in the training curriculum for the Department officials.					
Priority 3: Investing in disaster risk reduction for resilience	14. Take remedial measures (retrofitting, repair, reconstruction, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, landslide, earthquake, etc.) based on the findings from the safety audit of all Power infrastructure (offices, grids, transmission lines, transformers, high tension lines, etc.) in phased manner.	State /District	Medium Term		GIS, IT & NSDMA	PM10-1 SDG-9, 11
	15. Integrate disaster resilience (foundation soil testing, site selection, etc.) in the design of the transformer pad, mounting structures, foundation of tower, etc. and ensure that during new construction.	State	Long term	Under flexi fund of 25% CSS funding of all schemes	Finance Department	
	16. Conversion of LT Bare Conductor to ABC for reduction of theft and public safety.	State/District /Division	Long Term			
	17. Explore the possibility of funding for disaster resilient Power Infrastructure through PPP mode, CSR and crowdfunding.	State /District	Medium Term		NSDMA	
	18. Develop Power Infrastructure Disaster Mitigation Project Proposals in line with National Disaster Risk Mitigation Fund guidelines ¹⁶ .	State /District	Short Term		NSDMA	
	19. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, infrastructure, etc.) due to any disaster, staff/workers injury/death on duty,	State /District	Short Term	Dept. Annual Plan	NSDMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	etc., in line with Digital India programme.					
	20. Identify and include disaster risk financing and risk insurance options for Power infrastructure.	State/ District/ Division	Long Term	Dept. Annual Plan		
	21. Procure and deploy handheld VHF Radio sets for communication during emergencies.	State/ District/ Division	Long Term	Dept. Annual Plan	NSDMA	
	22. Promote solar-based electrification & rainwater harvesting in all offices, etc. in a phased manner.	State	Long Term	Dept. Annual Plan	NSDMA	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	23. Training of officials (with 3 years or more service remaining) from the Power Dept. on monitoring of Power transmission, services, infrastructure and DRR and formation of state-district level joint monitoring teams.	State	Short Term	Dept. Annual Plan	NSDMA	PM-10: 1, 8 & 9
	24. Develop IEC materials (print/audio/video) on Power Infrastructure and DRR to be used for public safety awareness.	Yet to initiate	Short	Dept. Annual Plan Operation & Maintenance Fund	NSDMA	
	25. Print/broadcast IEC materials on Power Infrastructure and DRR to be used for public safety awareness through newspaper, TV, radio, social media, etc.	Yet to initiate	Short	Dept. Annual Plan Operation & Maintenance Fund	NSDMA	
	26. Preposition emergency response items (fire extinguishers, sand, etc.) and equipment in all Power facilities to restore Power infrastructure in case they are damaged by any disaster.	Yet to initiate	Short	Dept. Annual Plan Operation & Maintenance Fund	NSDMA	
	27. Mark high flood level in all electrical poles, etc. in flood prone areas.	Yet to initiate	Short	Dept. Annual Plan Operation & Maintenance Fund	NSDMA	
	28. Procurement of adequate no. of PPE kits and safety equipment for frontline workers.	Yet to initiate	Short	Dept. Annual Plan Dept. Annual Plan Operation & Maintenance Fund	NSDMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	29. Adapt global and national best practices for risk informed Power infrastructure preparedness, response and recovery.	Yet to initiate	Short	Dept. Annual Plan Operation & Maintenance Fund	NSDMA	
	30. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, etc.	Yet to initiate	Short	Dept. Annual Plan Operation & Maintenance Fund	NSDMA	SDG-6,13: PM10-5

5.2.8. Department of Public Works

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all PWD infrastructure (offices, public buildings, roads, bridges, bundhs etc.) to identify the structural vulnerabilities, hazard risks (fire, flood, landslide, erosion, etc.) and possible remedial measures (retrofitting, demolition, reconstruction, etc.) to be taken.	State Level	Short term	Dept. Annual Plan		PM10-1 SDG-11
	2. Conduct safety audit of all PWD infrastructure (offices, public buildings, roads, bridges, bundhs, etc.) to identify the structural vulnerabilities, hazard risks (fire, flood, landslide, erosion, etc.) and possible remedial measures (retrofitting, demolition, reconstruction, etc.) to be taken.	State Level	Short term	Dept. Annual Plan		PM10-1 SDG-9, 11
	3. GIS/GPS Mapping of all PWD infrastructure and develop a database categorising them as per disaster and structural vulnerability (safe and unsafe).	State Level	Medium term	Dept. Annual Plan	Technical support from GIS cell	SDG 9 & 17 PM 10:4&5
	4. Share the GIS/GPS Database to be integrated with other departments.	State/Zone / Circle/ Division Level	Medium term	Dept. Annual Plan	Technical support from GIS cell	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk governance to	5. Develop Departmental Disaster Management Plan, SOP & Contingency Plans on emergency response (flood, earthquake, erosion, landslides etc.) for the Department officials at all levels (State, District, Sub-District).	State/Zone/ Circle/ Division Level	Short term	Dept. Annual Plan		PM-1, 4, 8 & 9: SDG-13
	6. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness,	State Level	Short term	Dept. Annual Plan		SDG 9 & 11, PM-1 & 8

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
manage disaster risk	research & contingency purposes.					
	7. Mandatory integration of DRR (including Eco-DRR) & Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State Level	Medium term	Dept. Annual Plan		
	8. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State Level	Short term	Dept. Annual Plan		
	9. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	Zone/ Circle/ Division level	Medium term	Dept. Annual Plan		
	10. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient buildings & national highway, disaster resilient roads & bridges & integrate that in the training curriculum for the Department officials.	State/Zone/ Circle/ Division Level	Medium term	Dept. Annual Plan	NSDMA/Forest/PWD	PM-10: 1, 8 & 9
Priority 3: Investing in disaster risk reduction for resilience	11. Take remedial measures (retrofitting, demolition, reconstruction, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, landslide, erosion, etc.) based on the findings from the safety audit of all PWD infrastructure in a phased manner.	Zone/ Circle/ Division level	Long term	Dept. Annual Plan	Technical support from NSDMA	PM10-1 SDG-9, 11
	12. Explore the possibility of funding for disaster resilient Roads Infrastructure through PPP mode, CSR and crowdfunding.	State Level	Medium term	Dept. Annual Plan	Technical support from NSDMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	13. Develop Roads Infrastructure Disaster Mitigation Project Proposals in line with National Disaster Risk Mitigation Fund guidelines ¹⁷ .	State Level	Medium term	Dept. Annual Plan	Technical support from NSDMA	
	14. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, infrastructure, etc.) due to any disaster, staff/workers injury/death on duty, etc., in line with Digital India programme	State/Zone/ Circle/ Division Level	Medium term	Dept. Annual Plan	Technical support from NSDMA	
	15. Identify and include disaster risk financing and risk insurance options for PWD infrastructure.	State/Zone/ Circle/ Division Level	Medium term	Dept. Annual Plan	Technical support from NSDMA	
	16. Promote solar-based electrification & rainwater harvesting in all offices, Dept. infrastructure, etc. in a phased manner.	State/Zone/ Circle/ Division Level	Long term	Dept. Annual Plan	Technical support from NHE/PHE/ Water resources	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in	17. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient buildings & national highways.	State level	Short term	Dept. Annual Plan	Technical support from NSDMA/Forest	PM-10: 1, 8 & 9
	18. Develop IEC materials on Road Safety, Infrastructure and DRR to be used in village, Panchayat and District level.	State level	Long term	Dept. Annual Plan	Technical support from NSDMA	
	19. Print IEC materials on Road Safety, Infrastructure and DRR to be used in village, block and District level & also share it through media for public awareness.	State level	Long term	Dept. Annual Plan	Technical support from NSDMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
recovery, rehabilitation and reconstruction	20. Preposition emergency response kits with essential supplies and equipment to restore Roads infrastructure in case they are damaged by any disaster.	Division level	Medium term	Dept. Annual Plan		
	21. Adapt global and national best practices for risk informed Roads infrastructure preparedness, response and recovery.	Zone/ Circle/ Division level	Long term	Dept. Annual Plan	Technical support from NSDMA	
	22. Procurement of adequate no. of PPE kits and safety equipment for frontline workers.	State level	Medium term	Dept. Annual Plan		
	23. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, etc.	State/Zone/ Circle/ Division Level	Medium term	Dept. Annual Plan		SDG-6,13: PM10-5

5.2.9. Department of Science & Technology

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, Nagaland Science Centre, Planetarium, Solar Power Plants, etc. by Science & Technology Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide, biohazard, etc.), & possible remedial measures (retrofitting, relocation, closure, etc.) to be taken.	State	Medium	Dept. Annual Plan	F & ES & Water Resources Dept.	PM10-1 SDG-11
	2. Conduct safety audit of all offices, Nagaland Science Centre, Planetarium, Solar Power Plants, etc. to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide, biohazard, etc.), & recommend possible remedial measures (retrofitting, relocation, closure, etc.) to be taken.	State	Medium	Dept. Annual Plan	NRE	PM10-1 SDG-9, 11
	3. Conduct a study to identify the current usage, challenges & scope for solar/renewable sources of energy in Nagaland. Share the report with the Chief Secretary, Forest, Ecology, Environment and Wildlife Dept., Power Dept., Geology and Mining Dept., KMC, DMC, MMC, UDD & NSDMA.	State	Long term	Dept. Annual Plan	Finance Dept. & NSDMA	
	4. Conduct research on efficient & environment friendly sources of energy generation/storage (graphene, solid-state battery, etc.), in collaboration with Geology and Mining Dept., Universities & Private Sector. Publish the research findings.			Dept. Annual Plan		
	5. GIS/GPS Mapping of all offices, Nagaland Science Centre, Planetarium, Solar Power Plants, etc. &	State	Medium	Dept. Annual Plan		SDG 9 & 17 PM 10:4&5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	develop a database categorising them as per disaster & structural vulnerability (safe & unsafe).					
	6. Share the GIS/GPS Database to be integrated with other departments.	State	Medium	Dept. Annual Plan	IT & C Dept.	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk governance to manage disaster risk	7. Develop Departmental Disaster Management Plan, SOPs & Contingency Plans for Emergency Response (fire, flood, earthquake, landslide, biohazard, etc.) for the Department officials at all levels (State, District, Sub-District).	State/District	Medium/Long term	Dept. Annual Plan	Finance Dept & NSDMA	PM-1, 4, 8 & 9: SDG-13
	8. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Medium	Dept. Annual Plan	Finance Dept. & NSDMA	SDG 9 & 11, PM-1 & 8
	9. Mandatory integration of DRR & Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.			Dept. Annual Plan		
	10. Integrate DRR Roadmap interventions & their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan & budgets.			Dept. Annual Plan		
	11. Conduct regular mock drills based on the Disaster Management Plan, SOPs & Contingency Plans in the offices, Nagaland Science Centre, Planetarium, etc.	State	Medium	Dept. Annual Plan	H.G & F & ES Dept.	
	12. Support Env. & Forest Dept., KMC, DMC, MMC & UDD in developing a policy on e-waste safe recycling & disposal.	State	Medium/Long term	Dept. Annual Plan	Finance Dept. & NSDMA	
	13. Form state-district level joint monitoring teams to assess & monitor the integration of disaster preparedness, response, recovery & mitigation components in the Departmental projects/schemes.			Dept. Annual Plan		

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	14. Develop/update content on integration of DRR & Climate Change Adaptation in disaster resilient & sustainable science & technology development, & integrate that in the training curriculum for the Department officials.			Dept. Annual Plan	NSDMA/FOREST	PM-10: 1, 8 & 9
Priority 3: Investing in disaster risk reduction for resilience	15. Take remedial measures (retrofitting, relocation, closure, etc.) against the identified structural vulnerabilities & hazard risks (fire, flood, earthquake, landslide, biohazard, etc.) based on the findings from the safety audit of all offices, Nagaland Science Centre, Planetarium, Solar Power Plants, etc. in phased manner.	State	Medium/Long term	Dept. Annual Plan	Finance Dept. & NSDMA	PM10-1 SDG-9, 11
	16. Develop Disaster Mitigation Project Proposals, to ensure disaster resilient & sustainable science & technology development, in line with National Disaster Risk Mitigation Fund guidelines ¹⁸ .			Dept. Annual Plan		
	17. Develop & implement a secure online reporting system (MIS) for documenting damage & loss related to Departmental assets (office, equipment, laboratory, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	State	Medium/Long term	Dept. Annual Plan	Finance Dept & NSDMA	
	18. Promote solar-based electrification & rainwater harvesting in all offices, Nagaland Science Centre, Planetarium, etc. in a phased manner.	State	Short	Dept. Annual Plan	NRE	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness	19. Training of the Department officials on integrating DRR & Climate Change Adaptation for disaster resilient sustainable science & technology development.	State/District	Medium	Dept. Annual Plan	H.G, F & ES & SDRF	PM-10: 1, 8 & 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
ess for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	20. Develop IEC materials on integrating DRR & Climate Change Adaptation for disaster resilient sustainable science & technology development.	State	Medium	Dept. Annual Plan	IPR, AIR & Doordashion	
	21. Print & distribute IEC materials on integrating DRR & Climate Change Adaptation for disaster resilient sustainable science & technology development for all offices, Nagaland Science Centre, Planetarium, etc. & share through media for public awareness.	State	Medium	Dept. Annual Plan	IPR & AIR	
	22. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, Nagaland Science Centre, Planetarium, etc.	State	Short	Dept. Annual plan	F & ES Dept.	SDG-6,13: PM10-5

5.2.10. Department of Soil & Water Conservation

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of the Department infrastructure to identify the structural vulnerabilities, hazard risks (fire, flood, landslide, erosion, etc.) and possible remedial measures (retrofitting, reconstruction, demolition, etc.) to be taken.	State	Short Term	Dept. Annual Plan	NA	PM10-1,2,8,9 SDG-11, 9
	2. Conduct safety audit of the Department infrastructure to identify the structural vulnerabilities, hazard risks (fire, flood, erosion, landslide etc.) and possible remedial measures (retrofitting, reconstruction, demolition, etc.) to be taken.	State/District	Short Term	Dept. Annual Plan	NA	PM10-1,2,8,9 SDG-9, 11
	3. Commission and conduct scientific research related to soil erosion, reclamation of barren land for afforestation and agriculture, etc.	State/District	Medium Term	Dept. Annual Plan	Financial resource from UNICEF/NSDMA required	SDG: 4 PM: 1,6,9
	4. GIS/GPS Mapping (including photos) of the Department infrastructure and developing a database categorizing them as per disaster and structural vulnerability (safe and unsafe).	State/District/Sub-Division	Short Term	Dept. Annual Plan	Training from State remote sensing & GIS	SDG 9 & 17 PM 10:4&5
	5. Share the GIS/GPS Database to be integrated with other Departments.	State/District	Short Term	Dept. Annual Plan	Training from State remote sensing & GIS	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk governance to manage	6. Develop Departmental Disaster Management Plan, SOPs & Contingency Plans on emergency response (floods, erosion, drought, etc.) for the Department officials at all levels (State, District, Sub-District).	State/District/Sub-District	Short Term	Dept. Annual Plan	NA	PM-1, 4, 8 & 9: SDG-13
	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State/District	Short Term	Dept. Annual Plan	NA	SDG 9 & 11, PM-1 & 8

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
disaster risk	8. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State/District	Medium Term	Dept. Annual Plan	NA	SDG: 13,11 PM: 1,8,9
	9. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Medium Term	Dept. Annual Plan	Training from NSDMA	SDG: 11 PM-10: 1, 8 & 9
	10. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State/District	Short Term	Dept. Annual Plan	NA	SDG: 11,17 PM: 1,8,9
	11. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient soil conservation & management, & integrate that in the training curriculum for the Department officials.	State	Medium Term	Dept. Annual Plan	NSDMA/Forest	SDG: 13,11 PM-10: 1, 8 & 9
Priority 3: Investing in disaster risk reduction for resilience	12. Take remedial measures (retrofitting, reconstruction, demolition, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, erosion, landslide etc.) based on the findings from the safety audit of the Department infrastructure in a phased manner.	State/District/Sub-Division	Long Term	Dept. Annual Plan	Financial resource from UNICEF/NSDMA required	PM10-1,9 SDG-9, 11
	13. Explore the possibility of funding for disaster resilient infrastructure through PPP mode, CSR and crowdfunding.	State/District/Sub-Division	Medium Term	Dept. Annual Plan	NA	SDG: 9 PM: 1
	14. Develop Disaster Mitigation Project Proposals in line with National Disaster Risk Mitigation Fund guidelines ¹⁹ .	State/District/Sub-Division	Medium Term	Dept. Annual Plan	NA	NA

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	15. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (offices, assets, infrastructure, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	State	Medium Term	Dept. Annual Plan	Training from NIC/IT dept.	NA
	16. Identify and include disaster risk financing and risk insurance options for the infrastructure.	State/District/Sub-Division	Short Term	Dept. Annual Plan	NA	NA
	17. Promote solar-based electrification & rainwater harvesting in all offices, etc. in a phased manner.	State/District/Sub-Division	Long Term	Dept. Annual Plan	Financial & Technical resources from New & Renewable Energy	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	18. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient soil and water conservation & management.	State/District/Sub-Division	Short Term	Dept. Annual Plan	NSDMA/Forest	PM-10: 1, 8 & 9
	19. Based on the learnings after a disaster, take measures such land-use planning, structural standards improvement, etc. in the post disaster recovery/reconstruction planning and implementation.	State/District/Sub-Division	Medium Term	Dept. Annual Plan	Financial and Technical resources from UNICEF/ NSDMA	NA
	20. Design and implement awareness programmes for discouraging jhum cultivation, promotion of afforestation, etc. and share information through radio, print, TV and social media.	State	Medium Term	Dept. Annual Plan	NA	NA
	21. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, etc.	State/District/Sub-Division	Short Term	Dept. Annual Plan	NA	SDG-6,13: PM10-5

5.2.11. Department of Youth Resource & Sports

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, stadiums, sports complexes, youth hostels, etc. by Youth Resource and Sports Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide, pandemic, etc.) and security threats, and recommend possible remedial measures (retrofitting, reconstruction, demolition, etc.) to be taken.	DSO/YRO	Short	Dept. Annual Plan	Expert's Assistance/ Safety Guidelines from NSDMA	PM10-1 SDG-11
	2. Conduct safety audit of all offices, stadiums, sports complexes, youth hostels, etc. by Sports & Youth Welfare Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide, pandemic, etc.) and security threats, and recommend possible remedial measures (retrofitting, reconstruction, demolition, etc.) to be taken.	DSO/YRO	Short	Engineering Wing PWD (Housing) YRS	Expert's Assistance/ Safety Guidelines from NSDMA	PM10-1 SDG-9, 11
	3. Mobilise adolescents and youths from NYKS, NSS, NCC, TaFMA, NGOs, BS&Gs working on youth welfare, etc. to identify disaster risks faced by people in villages and urban areas.	State /District/ Sub-division	Short	Student Volunteers	Assistance from District Administrators, Village Council etc.	SDG: 4,11 PM: 1,8,9
	4. Conduct GIS/GPS Mapping of all Departmental infrastructure (offices, stadiums, sports complexes, youth hostels, etc.) and develop a database categorising them as per their vulnerability (safe and unsafe).	State /District/ Sub-division	Short	Dept. Annual Plan	NRS&GIS	SDG 9 & 17 PM 10:4&5
	5. Share the GIS/GPS Database to be integrated with other departments.	State	Short	Dept. Annual Plan	NRS&GIS	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening	6. Develop Departmental Disaster Management Plan, SOP & Contingency Plans for Emergency Response for the Sports & Youth Welfare	State	Short	Dept. Annual Plan	Expert's Assistance	PM-1, 4, 8 & 9: SDG-13

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
disaster risk governance to manage disaster risk	Department officials at all levels (State, District, Sub-District), covering fire, floods, earthquake, landslide, pandemic, etc.					
	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Short	Dept. Annual Plan		SDG 9 & 11, PM-1 & 8
	8. Conduct regular mock-drills based on Departmental Disaster Management Plan, SOP & Contingency Plans.	State /District/Sub-division	Short	Dept. Annual Plan	Expert's Assistance	SDG: 4,11 PM: 1,8,9
	9. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State /District/Sub-division	Short	Engineering Wing PWD(Housing) YRS	Expert's Assistance/ Safety Guidelines from NSDMA	SDG: 13 PM: 1,4,7,9
	10. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State /District/Sub-division		Dept. Annual Plan	Guidelines if any	SDG: 4,17 PM: 1,9
	11. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State/ District	Short	DSO/YRO, Engineering Wing PWD(Housing) YRS		SDG: 11,17 PM: 1, 9
	12. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient sports facilities & youth welfare services, & integrate that in the training curriculum for the Department officials.	State /District/Sub-division	Medium	Dept. Annual Plan	NSDMA/ Forest	SDG: 11,13 PM-10: 1, 8 & 9
	13. Initiate ISO certification process for youth hostels, stadiums, sports complexes, etc.	State /District/Sub-division	Medium	Dept. Annual Plan		SDG: 9,11,17 PM: 1,6,8,9
Priority 3: Investing in	14. Take remedial measures (retrofitting, reconstruction, demolition, etc.) against the identified structural vulnerabilities, hazard	State /District/Sub-division	Medium	Dept. Annual Plan	Fund	PM10-1,9 SDG-9, 11

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
disaster risk reduction for resilience	risks (fire, flood, earthquake, landslide, pandemic, etc.) and security threats, based on the findings from the safety audit of all offices, stadiums, sports complexes, youth hostels, etc. in phased manner.					
	15. Develop Disaster Mitigation Project Proposals for Sports & Youth Welfare in line with National Disaster Risk Mitigation Fund guidelines ²⁰ .	State	Medium	Dept. Annual Plan		SDG: 9,11 PM: 1,4,5,6,9
	16. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets/infrastructure (office, equipment, stadiums, sports complexes, youth hostels, etc.) due to any disaster, staff/workers injury/death on duty, etc., in line with Digital India programme.	State /District/Su b-division	Short	Dept. Annual Plan	Requires Expert's Assistance	SDG: 9,17 PM: 1,5,6,9
	17. Promote solar-based electrification & rainwater harvesting in the offices, stadiums, sports complexes, youth hostels, etc. in a phased manner.	State /District/Su b-division	Long	Dept. Annual Plan	NRE	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery,	18. Conduct training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient Youth Resource and Sports projects/programmes.	State /District/Su b-division	Short	Dept. Annual Plan	NSDMA/Forest	SDG: 4, 13,11 PM-10: 1, 8 & 9
	19. Conduct training for NYKS, NSS, NCC, TaFMA, BS&Gs & NGOs working on youth welfare, on disaster preparedness, response, mitigation & climate change adaptation at the community level.	State /District/Su b-division	Short	Dept. Annual Plan	NSDMA/Forest	SDG: 4,11,13 PM-10: 1, 8 & 9
	20. Develop IEC materials on DRR in Youth Resource and Sports activities.	State /District/Su b-division	Short	Dept. Annual Plan	Expert's Assistance/ Safety	SDG: 4 PM: 1,7,9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
rehabilitation and reconstruction		b-division available			Guidelines from NSDMA	
	21. Print and distribute IEC materials on DRR in Sports & Youth Welfare activities for all offices, NYKS, NSS, NCC, TaFMA, BS&Gs, NGOs working on youth welfare, etc. & also share through media for public awareness.	State /District/Sub-division	Short	Dept. Annual Plan		SDG: 4 PM: 1,7,9
	22. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, stadiums, sports complexes, youth hostels, etc.	State /District/Sub-division	Short	Dept. Annual Plan	Funding & Expert's Assistance	SDG: 9,11 PM10-1,5,9
	23. Procure safety equipment, life-vests, PPE Kits, etc. for emergency response in case of any disaster.	State /District/Sub-division	Short	Dept. Annual Plan		SDG: 9 PM:1,8,9

5.2.12. Department of Transport

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, bus stations, vehicles/boats/ferries under the Department, etc. by Transport Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.), passenger safety, & possible remedial measures (retrofitting, demolition, relocation, replacement, etc.) to be taken.	State/District	Short Term	Dept. Annual Plan	Technical Support from NSDMA, PWD(R&B), Fire, & Emergency Service	PM10-1 SDG-11
	2. Conduct safety audit of all offices, bus stations, vehicles/boats/ferries under the Department, etc. by the Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.), passenger safety, & recommend possible remedial measures (retrofitting, demolition, relocation, replacement, etc.) to be taken.	Stations/Sub-Station	Medium Term	Dept. Annual Plan	Technical Support from NSDMA, PWD(R&B) Fire & Emergency Service	PM10-1 SDG-9, 11
	3. Conduct feasibility study to introduce mass rapid transport system, environment friendly public transport, need for dedicated lanes for bicycle commuters, etc. Publish the report in the public domain.	State/District	Short Term	Dept. Annual Plan	Collaborate with PWD(R&B)	SDG-11
	4. GIS/GPS Mapping of all Departmental infrastructure (offices, bus stations, vehicles/boats/ferries under the Department, etc.) and developing a database categorising them as per their vulnerability (safe and unsafe).	State/District	Short Term	ITS/CSS	Technical support from GIS & Remote Sensing & IT Department	SDG 9 & 17 PM 10:4&5
	5. Share the GIS/GPS Database to be integrated with other departments.	State/District	Short Term	ITS/CSS	Technical support from GIS &	SDG 9 & 17 PM 10:4&5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
					Remote Sensing & IT Department	
Priority 2: Strengthening disaster risk governance to manage disaster risk	6. Develop Department Disaster Management Plan, SOPs & Contingency Plans on emergency response (fire, floods, earthquake, landslide, accidents, etc.) for the Department officials at all levels (State, District, Sub-District).	Stations/Sub-Station	Medium Term	Dept. Annual Plan	Collaborate with NSDMA/ Fund allocation from Finance	PM-4, 4, 8 & 9: SDG-13
	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State/District	Short Term	State Plan	Fund allocation from Finance Department	SDG 9 & 11, PM-1 & 8
	8. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State/District	Short Term	Department Annual Plan/TTS	Technical Support from NSDMA	SDG-13
	9. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Short Term	Department Annual Plan	Technical Support from NSDMA	
	10. Conduct regular mock drills based on the Disaster Management Plan, SOPs & Contingency Plans in the offices, mines & industrial sites.	Stations/Sub-Station	Short Term	Dept. Annual Plan	Technical Support from NSDMA, Medical & Police/ Fund allocation from Finance	SDG-11
	11. Develop policy for mandatory presence of safety/emergency equipment in tourist vehicles (first-aid kit, fire extinguisher, shovel & chain for SUVs, etc.) before issuing tourist permits.	State/District	Medium Term	Dept. Annual Plan	Collaborate with Motor Vehicle Department/ Fund allocation from Finance	SDG-11
	12. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State/District	Medium Term	Dept. Annual Plan	Collaborate with NSDMA, Police & Medical/Fund allocation from Finance	SDG-11

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	13. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient transport system, & integrate that in the training curriculum for the Department officials.	State	Short Term	Dept Annual Plan	Technical support from NSDMA/Fund allocation from Finance	PM-10: 1, 8 & 9 SDG-11& 13
Priority 3: Investing in disaster risk reduction for resilience	14. Take remedial measures (retrofitting, demolition, relocation, replacement, etc.) against the identified structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.), & passenger safety based on the findings from the safety audit of all offices, bus stations, vehicles/boats/ferries under the Department, etc. in phased manner	State/District	Long Term	Annual Plan	Collaborate with NSDMA & PWD(R& B)/Fund allocation from Finance	PM10-1 SDG-9, 11
	15. Develop Disaster Mitigation Project Proposals, to ensure disaster resilient & sustainable & disaster resilient transport system, in line with National Disaster Risk Mitigation Fund guidelines ²¹ .	State	Short Term	Annual Plan	Technical support from NSDMA/ Fund allocation from Finance	SDG-11
	16. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, bus stations, vehicles, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	State	Short Term	Department Annual Plan/TTS	Technical support from GIS & Remote Sensing & IT Department	SDG-9
	17. Procure powerful rescue vessels with crane facility & trained crew for emergencies.	State	Medium Term	Dept. Annual Plan	Technical support from NSDMA/ Fund allocation from Finance	
	18. Introduce electric buses, hybrid sail-boats (with motor engine), etc. at subsidised rates as public transport modes.	State	Medium Term	Dept Annual Plan	Collaborate with Motor Vehicle Department/ Fund	SDG-7&9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
					allocation from Finance/MoRTH	
	19. Promote solar-based electrification & rainwater harvesting in all offices, bus stations, etc. in a phased manner.	State	Medium Term	Dept Annual Plan	Collaborate with Dept of New & Renewable Energy/Fund allocation from Finance	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	20. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient transport systems.	State/District	Short Term	Dept Annual Plan	Technical support from NSDMA/ATI/ Fund allocation from Finance	SDG-11
	21. Conduct road safety awareness campaigns through digital, social & print media, street plays, etc. in schools, colleges, universities, public places, etc.	State/District	Medium Term	Department Annual Plan/TTS	Collaborate with IT Dept/School Education/ Fund allocation from Finance	SDG-9 & 11
	22. Develop IEC materials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient transport systems.	State/District	Medium Term	Dept Annual Plan	Collaborate with IT Dept/DIPR	SDG-9 & 11
	23. Print and distribute IEC materials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient transport system for all offices, etc. & share it through media for public awareness.	State/District	Medium Term	Dept Annual Plan	Technical support from NSDMA/IPR/Municipal/ Fund allocation from Finance	SDG-9 & 11
	24. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, bus stations, vehicles/boats/ferries under the Department, etc.	State/District	Short Term	Dept Annual Plan	Technical Support from Fire & Emergency Service/ Fund allocation from Finance	SDG-6,13: PM10-5

5.2.13. Department of Water Resources

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, embankments, etc. by the Water Resources Department to identify the structural vulnerabilities, hazard risks (flood, erosion, earthquake, landslide etc.) and possible remedial measures (retrofitting, reconstruction, etc.) to be taken.	State	Long Term	Dept. Action Plan	NSDMA for Technical support & Guidelines from Planning Department	PM10-1 SDG-11
	2. Conduct safety audit of all offices, embankments, etc. by the Department to identify the structural vulnerabilities, hazard risks (flood, erosion, earthquake, landslide etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	State/District	Long Term	Dept. Action Plan	NSDMA for Technical support & Guidelines from Planning Department	PM10-1 SDG-9, 11
	3. Involve local communities while conducting safety audit to identify vulnerable embankments.	District	Short Term	Dept. Action Plan, DDMA	Fund Allocation from the Finance Department	PM10-1 SDG-9, 11
	4. Study and analyse the Nagaland River systems using satellite images, historical data, etc. to identify emerging & potential risks related to flood, erosion and landslide.	State	Medium Term	PIP code C1.1.05 Development of Flood Forecasting Model in Dhansari River	National Hydrology Project (NHP)	
	5. GIS/GPS Mapping of all Departmental embankments and developing a database categorizing them as per their vulnerability (safe and unsafe).	State	Medium Term	PIP code B2.1.03 Establishment of State WRIS, Create Maps/ Procurement of Satellite Image, Data Digitalization		SDG 9 & 17 PM 10:4&5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	6. Share GIS/GPS Database to be integrated with other departments.	State	Medium Term	PIP code B2.1.03 Establishment of State Water Resources Information System	National Hydrology Project (NHP)	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk governance to manage disaster risk	7. Develop Department Disaster Management Plan, SOP & Contingency Plan for emergency response (floods, erosion, earthquake, landslide etc.) for the Department officials at all levels (State, District, Sub-District).	State, District, Sub-District	Short Term	A Dept. Annual Plan	Guidelines from Planning Department & Fund from Finance Department	PM-1, 4, 8 & 9: SDG-13
	8. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Long Term	Dept. Annual Plan	Fund Allocation from Finance Guidelines from Planning Dept. Technical support from NSDMA	SDG 9 & 11, PM-1 & 8
	9. Conduct mock-drills based on the Departmental Disaster Management Plan.	State, District, Sub-District	Short Term	Dept. Annual Plan	Fund Allocation from the Finance Department	
	10. Form state-district level joint monitoring teams to assess and monitor disaster preparedness, response, recovery and mitigation in the Departmental projects.	State, District, Sub-District	Short Term	PMKSY-HKKP, NEC, NABARD & State Plan	Technical support from NSDMA	
	11. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State, District, Sub-District	Medium Term	Agri. & Allied Departments	Fund Allocation from Finance Guidelines from Planning Dept. Technical support from NSDMA	
	12. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster	State	Medium Term	Dept. Action Plan, NSDMA and Agri & Allied	Fund Allocation from Finance Guidelines from	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	Management Plan and budgets.			Department	Planning Dept. Technical support from NSDMA	
	13. Setup & maintain systems to give access to early warning messages on flood to all the Departments.	State, District, Sub-District	Short Term	PIP code B2.1.03 Establishment of State Water Resources Information System, National Hydrology Project (NHP)	Technical support from NSDMA	
	14. Develop/update content on DRR & Climate Change in water resources activities and integrate that in the training curriculum for the Department officials.	State, District, Sub-District	Medium Term	Dept. Annual Plan	Technical support from NSDMA Fund Allocation from the Finance Department	PM-10: 1, 8 & 9
Priority 3: Investing in disaster risk reduction for resilience	15. Take remedial measures (retrofitting, reconstruction, etc.) against the identified structural vulnerabilities and hazard risks (flood, erosion, landslide, earthquake, etc.) based on the findings from the safety audit of all offices, embankments, etc. in a phased manner.	State, District, Sub-District	Short Term	Repair and Renovation of Minor Irrigation Projects under State Plan	NSDMA for Technical Support	PM10-1 SDG-9, 11
	16. Develop Disaster Mitigation Project Proposals for sustainable water resource management in line with National Disaster Risk Mitigation Fund guidelines ²² .	District	Short Term	Flood Management Programme (FMP) and Anti Erosion Works	Guidelines from Planning department, technical support from NSDMA	
	17. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office,	State	Short Term	Dept. Action Plan	Guidelines from Planning department,	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	embankments, etc.) due to any disaster, injury/death of workers on duty, etc., in line with Digital India programme.				technical support from NSDMA	
	18. Promote solar-based electrification & rainwater harvesting in the offices and Departmental projects in a phased manner.	State	Short Term	Dept. Action Plan	Dept. of NRE Nagaland	SDG-6,7,8,11: PM10-5,9
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction	19. Training of the Department officials on DRR and Climate Change Adaptation in water resources activities.	District	Short Term	Dept. Annual Plan	Capacity Building from NSDMA, fund from Finance Department	PM-10: 1, 8 & 9
	20. Develop IEC materials on DRR and Climate Change Adaptation in water resources activities.	District	Short Term	Dept. Action Plan	Fund from Finance Department	
	21. Print and distribute IEC materials on DRR and Climate Change Adaptation in water resources activities for all offices & also share it through media for public awareness.	District	Short Term	Dept. Action Plan	Fund from Finance Department, Technical support from NSDMA	
	22. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices.	State	Short Term	Dept. Annual Plan	Fund from Finance Department, Technical support from NSDMA	SDG-6,13: PM10-5
	23. Procure safety equipment, life-vests, PPE Kits, etc. for emergency response in case of any disaster.	State	Short Term	Dept. Annual Plan	Fund from Finance Department, Technical support from NSDMA	

5.2.14. Department of New Renewable Energy

SFDR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. To identify the structural vulnerabilities, hazard risks (fire, flood, landslide, earthquake, etc.), and possible remedial measures (retrofitting, repair, reconstruction, relocation, etc.) to be taken. Issue departmental order to conduct safety audit and evaluation of all NRE infrastructures (office and power plants, transmission lines, transformers, high-tension lines, etc.)	Directorate Level	Long Term	Dept. Annual Plan		PM10-1 SDG-11
	2. GIS/GPS Mapping of all NRE infrastructures and integrate the develop a database with other departments.	Directorate Level	Action taken	Dept. Annual Plan	Nagaland GIS & Remote Sensing Centre	SDG 9 & 17 PM 10:4&5
Priority 2: Strengthening disaster risk governance to manage disaster risk	3. Develop Departmental Disaster Management Plan, SOP & Contingency Plans for Emergency Response (fire, flood, earthquake, landslide, pandemic, etc.) for the Department officials at State level.	Directorate Level	Medium Term	Dept. Annual Plan	NSDMA	PM-1, 4, 8 & 9: SDG-13
	4. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, and research & contingency purposes.	Directorate Level	Short Term (Waiting for Govt. approval/order)	Dept. Annual Plan		SDG 9 & 11, PM-1 & 8
	5. Conduct mock-drills based on Departmental Disaster Management Plan, SOP & Contingency Plans.	Directorate Level	Long Term (Biennial)	Dept. Annual Plan	NSDMA	

SFDR R Priori ty	DRR Action	Leve l of Acti on	Timeli ne	Availa ble Resou rces	Any Additiona l Resources Required	Linkage with Other Framew orks
	6. Form departmental level joint monitoring team to assess and monitor disaster preparedness, response, recovery, and mitigation in Departmental projects.	Directorat e Level	Short Term (Waiting for Govt. order)	Dept. Annual Plan	NSDMA	
	7. Nomination of Nodal Officer for Disaster Management	Directorat e Level	Action Taken			
	8. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	Directorat e Level	Action Taken (Incorpor ated in projects)	Dept. Annual Plan	Forest Dept.	
	9. Integration of DRR & Climate Change Adaptation in sustainable & disaster resilient power infrastructure & integrate that in the training curriculum for the Department officials.	Directorat e level	Long Term (Annuall y)	Dept. Annual Plan	NSDMA/ Forest	PM-10: 1, 8 & 9
Priority 3: Investin g in disaster risk reductio n for resilienc e	10. Take remedial measures (retrofitting, repair, reconstruction, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, landslide, earthquake, etc.) based on the findings from the safety audit of all Solar Power Plans (offices, transmission lines, transformers, high tension lines, etc.) in phased manner.	Directorat e Level	Long Term (Annuall y)	Dept. Annual Plan		PM10-1 SDG-9, 11
	11. Integrate disaster resilience (foundation soil testing, site selection, etc.) in the design of the transformer pad, mounting structures, foundation of tower, etc. and ensure that during new construction.	Directorat e Level	Action taken (Initial stage of Projects)	Dept. Annual Plan		In-conformity with BIS Code

SFDR R Priori ty	DRR Action	Leve l of Acti on	Timeli ne	Availa ble Resou rces	Any Additiona l Resources Required	Linkage with Other Framew orks
	12. Conversion of LT Bare Conductor to ABC for reduction of theft and public safety.	Directorat e Level	Action taken (Office Building)	Dept. Annual Plan		
	13. Explore the possibility of funding for disaster resilient Power Infrastructure through PPP mode, CSR and crowd funding.	Directorat e Level	Long term	Dept. Annual Plan	Nil	Nil
	14. Develop Power Infrastructure Disaster Mitigation Project Proposals	Directorat e Level	Nil	Dept. Annual Plan	Nil	Nil
	15. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, infrastructure, etc.) due to any disaster, staff/workers injury/death on duty, etc., in line with Digital India programme.	Directorat e Level	Long Term (Monthly)	Dept. Annual Plan	NSDMA	
	16. Identify and include disaster risk financing and risk insurance options for Power infrastructure.	Directorat e Level	Action taken (Incorpor ated in projects)	Dept. Annual Plan		
	17. Procure and deploy handheld VHF Radio sets for communication during emergencies.	Directorat e level	Action taken	Dept. Annual Plan		
	18. Promote solar-based electrification & rainwater harvesting in all offices, etc. in a phased manner.	Directorat e level	Action taken	Dept. Annual Plan	NRE	SDG-6,7,8,11: PM10-5,9

SFDR R Priority	DRR Action	Level of Action	Timeli ne	Availa ble Resou rces	Any Additiona l Resources Required	Linkage with Other Framew orks
Priority 4: Enhanci ng disaster prepare dness for effective respons e and to “Build Back Better” in recovery , rehabilit ation and reconstr uction	19. Training of officials on monitoring of Power transmission, services, infrastructure and DRR and formation of state level joint monitoring teams.			Dept. Annual Plan	NSDMA/Power	PM-10: 4, 8 & 9
	20. Develop IEC materials (print/audio/video) on Renewable Energy and DRR to be used for public safety awareness.	Directorat e level	Short Term (Under Proposal)	Dept. Annual Plan		
	21. Print/broadcast IEC materials on Power Infrastructure and DRR to be used for public safety awareness through newspaper, TV, radio, social media, etc.	Directorat e Level	Action taken	Dept. Annual Plan		Social medias viz twitter, facebook
	22. Preposition emergency response items (fire extinguishers, sand, etc.) and equipment in all Solar Power facilities to restore Power infrastructure in case they are damaged by any disaster.	Directorat e level	Action Taken	Dept. Annual Plan		SDG-6,7, 13: PM10-5
	23. Mark high flood level in all electrical poles, etc. in flood prone areas.	Directorat e level	Action taken	Dept. Annual Plan		
	24. Procurement of adequate no. of PPE kits and safety equipment for operators	Directorat e level	Action taken	Dept. Annual Plan		
	25. Adapt global and national best practices for risk informed Power infrastructure preparedness, response and recovery.	Directorat e level	Action taken	Dept. Annual Plan		
	26. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, etc.	Directorat e level	Action taken	Dept. Annual Plan		SDG-6,13: PM10-5

5.3. RESILIENT CITIES

In this theme, the stakeholders will focus on basic amenities such as water, sewage management, housing, roads, public spaces, etc. in cities and towns that can better handle disasters, absorb the impact of economic, environmental and social hazards

5.3.1. Kohima Municipal Council

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, public buildings, drainage, piped water supply schemes, schools, hospitals, etc. by Kohima Municipal Council to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, pandemic, etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	State	Short Term			
	2. Conduct safety audit of all offices, public buildings, drainage, piped water supply schemes, schools, hospitals, etc. by the Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, pandemic, etc.) and recommend possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	State/District	Medium Term		Required Technical assistance from PWD, PHED, UDD, DMA & NSDMA	PM- 1 , SDG 11 "A"
	3. Integrate risk analysis in all projects and other schemes.	State/District	Medium Term		Required Technical assistance from PWD, PHED, UDD, DMA & NSDMA	SDG 11 "A"
	4. Integrate seismic microzonation & special zoning for identified hazard prone areas in the GIS based master plan.	State/District	Medium Term		Required Technical assistance from UDD, DMA & NSDMA	SDG 9 & 17 PM 10:4&5
	5. GIS/GPS Mapping of all Departmental infrastructure (offices, public buildings, sewerage, piped water supply schemes, schools, hospitals, etc.) and developing a database categorising them as per their vulnerability (safe and unsafe).	State/District	Long Term		Required Technical assistance from GIS, PWD, PHED, UDD & DMA.	SDG 9 & 17 PM 10:4&5

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	6. GIS/GPS Mapping of open spaces/ safe locations to set up temporary shelter, water and sanitation facilities in case of any disaster.	State/District	Medium Term		Required Technical assistance from GIS,UDD,DMA & PHED.	SDG 11 "A"
	7. Share the GIS/GPS Database to be integrated with other departments.	State/District	Medium Term		Required Technical assistance from IT & C, GIS.	SDG 11 "A"
Priority 2: Strengthening disaster risk governance to manage disaster risk	8. Develop Departmental Disaster Management Plan, SOPs & Contingency Plans on emergency response (fire, floods, earthquake, landslide, pandemic, etc.) for the Department officials at all levels (State, District, Sub-District).	State/District	Long Term		NSDMC	SDG 11 "A"
	9. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Short Term		Under 15 th F.C Grant	SDG 9 & 11, PM-1 & 8
	10. Conduct mock-drills Departmental Disaster Management Plan, SOPs & Contingency Plans.	State/District	Short Term		Required Technical assistance from NSDMA	
	11. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State	Short Term		Required Technical assistance from UDD, DMA & NPCB.	SDG 13
	12. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Medium Term		Required Technical assistance from UDD,DMA & NSDMA .	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	13. Formulate policy to reduce pollution (air, water, land), increase urban green space and ensure restoration of water bodies in and around towns/cities.	State	Medium Term		Required Technical assistance from UDD,DMA & NPCB.	SDG 13
	14. Coordinate with the Transport Dept. & Pollution Control Board to develop a policy on environment sensitive urban transport system to reduce accidents & air pollution.	State / District	Short Term		Required Technical assistance from Transport Dept. & NPCB.	SDG 13
	15. Coordinate with Pollution Control Board & UDD in developing a policy on safe waste recycling & disposal, including e-waste.	State/District	Medium Term		Required Technical assistance from NPCB ,UDD & DMA.	SDG 13
	16. Form state-municipal council level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State	Medium Term		Required Technical assistance from NSDMA,UDD & DMA.	SDG 11 "A"
	17. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient urban infrastructure, environment sensitive urban transport, protection of wetlands, etc., & integrate that in the training curriculum for the Department officials.	State	Medium Term		Required Technical assistance from NSDMA/ Forest	SDG 11 "A"
Priority 3: Investing in disaster risk reduction	18. Take remedial measures (retrofitting, demolition, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, earthquake, landslide, pandemic, etc.) based on the findings from the safety audit of all offices, public buildings,	State /District	Long Term		Required Technical assistance from PWD,PHED,UDD & DMA,	SDG 11 "A"

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
for resilience	drainage, piped water supply schemes, schools, hospitals, etc. in phased manner.					
	19. Develop Disaster Mitigation Project Proposals for public buildings, sewerage, piped water supply schemes, schools, hospitals, etc. in line with National Disaster Risk Mitigation Fund guidelines ²³ .	State	Long Term		Required Technical assistance from PWD, PHED & NSDMA	SDG 11 "A"
	20. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (offices, public buildings, drainage, piped water supply schemes, schools, hospitals, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	State /District	Medium Term		Required Technical assistance from GIS, IT & C & NSDMA	SDG 11 "A" & 13
	21. Setup sewage treatment plants and ensure restoration of water bodies in and around Kohima.	State /District	Medium Term		Required Technical assistance from PHED, UDD	SDG 11 "A" & 13
	22. Setup waste recycling plants and stringent implementation of the ban on single-use plastic products.	State /District	Short Term	One recycling unit available	Needs Administration support	SDG 11 "A" & 13
	23. Develop green space/corridor/urban forests in Kohima.	State /District	Medium Term		Required Technical assistance from UDD, DMA & Forest Dept.	SDG 11 "A" & 13
	24. Develop and implement projects to develop environment sensitive urban transport systems (increasing electric bus fleet, odd-even scheme for private vehicles, etc.) to reduce accidents	State	Long term	KMC is preparing a DPR with Urban Mass Transport Company (UMTC)	Required Technical assistance from Transport Dept,	SDG 11 "A" & 13

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	and air pollution.			under MoHUA	NPCB & Administration	
	25. Develop and implement projects to improve footpaths and dedicated bicycle lanes.	/District	Medium	Under Survey with Kohima Smart City Development Ltd for dedicated bicycle lane	Required Technical assistance from UDD ,DMA ,PWD & Kohima Smart City Development Limited.	
	26. Promote solar-based electrification & rainwater harvesting in the offices, public buildings, piped water supply schemes, schools, hospitals, etc.	State / District	Long Term		Required Technical assistance from NRE, Power, PHED	SDG-6,7,8,11: PM10-5, 9
	27. Creation of open space, for temporary accommodation of affected people in the time of disaster.	State /District	Medium Term		Required Technical assistance from Administration & NSDMA.	
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and	28. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient urban infrastructure, environment sensitive urban transport, protection of wetlands, etc.	State /District	Medium Term		Required Technical assistance from NSDMA.	SDG 11 "A " & 13
	29. Develop IEC materials on mainstreaming DRR in urban infrastructure, urban transport, protection of wetlands, etc.	State /District	Short Term		Required Technical assistance from NSDMA.	
	30. Print and distribute IEC materials on mainstreaming DRR in urban infrastructure, environment sensitive urban transport, protection of wetlands, etc. to all organisations under KMC & share it through media for public	State /District	Short Term		Required Technical assistance from NSDMA.	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
reconstruction	awareness.					
	31. Organise awareness programmes on mainstreaming DRR in urban infrastructure, environment sensitive urban transport, protection of wetlands, etc. also disseminate through radio, print, TV and social media.	State/District	Short Term		Required Technical assistance from NSDMA, DIPR, NPCB, Transport Dept	SDG 13
	32. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, public buildings, water treatment plants, piped water supply schemes, schools, hospitals, etc.	State	Long Term		Required Technical assistance from PHED, Fire Service & Administration	
	33. Procure safety equipment, life-vests, PPE Kits, etc. for emergency response in case of any disaster.	State	Short Term		Required Technical & financial assistance from NSDMA	

5.3.2. Department of Urban Development

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, public buildings, sewerage, piped water supply schemes, schools, Markets, etc. by Urban Development Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.), security threats, and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	State	Short Term	-	-	-
	2. Conduct safety audit of all offices, public buildings, sewerage, piped water supply schemes, schools, markets, etc. by Urban Development Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.), security threats, and recommend possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	District/ULB	Medium Term	NA	Technical support from Institute, fund allocation from Finance	-
	3. Identification of available wetlands, flood/landslide zones, land use pattern and listing of encroachment by commercial/personal establishments within the District/ULBs.	State/District/ULBs	Short Term	NA	Technical support from GIS & Remote sensing	SDG-11
	4. Identification and listing of clogged drains resulting in urban floods.	District	Short Term	State plan, ADB	-	-
	5. Investigate potential flashpoints where sewage, flood water and treated water get mixed.	District/ULBs	Short Term	State plan, ADP, SBM 2.0	-	SDG-11
	6. Study and remodeling of existing water supply and sewerage systems to reduce vulnerability.	State	Medium Term	AMIUT 2.0, ADP	FC Grant-Municipal Affairs	-
	7. Integrate risk analysis in the Master Plan, AMRUT and other schemes/projects.	State	Medium Term	AMRUT Kohima & Dimapur only	Technical Consultant, Fund allocation from	SDG-11

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
					Finance	
	8. GIS/GPS Mapping of all Departmental infrastructure (offices, public buildings, sewerage, piped water supply schemes, schools, markets, etc.) and developing a database categorizing them as per their vulnerability (safe and unsafe).	State/District	Medium Term	SBM 2.0	CB from NSDMA, Fund allocation from Finance	-
	9. GIS/GPS Mapping of open spaces/ safe locations and evacuation routes to set up temporary shelter, water and sanitation facilities in case of any disaster.	State/District	Medium Term	SBM 2.0	CB from NSDMA, Fund allocation from Finance	-
	10. Share the GIS/GPS Database to be integrated with other departments.	State	Short Term		Technical support from GIS & Remote Sensing	-
Priority 2: Strengthening disaster risk governance to manage disaster risk	11. Develop Department Disaster Management Plan & SOP on emergency response for officials of Urban Development Department at all levels (State, District, ULB), covering fire, floods, earthquake, landslide etc.	State	Short Term	-	Training from NSDMA	SDG-11
	12. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Short Term	-	Fund allocation from Finance	SDG 9 & 11, PM-1 & 8
	13. Develop/update ULB-level Departmental Disaster Management Plans and conduct mock-drills.	District/ULBs	Short Term	-	DDMA	SDG-11
	14. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient urban development, & integrate that in the training curriculum for the Department officials.	State	Short Term	CSS-AMRUT 2.0, SBM 2.0, NULM, ADB, NULM, State fund	CB from NSDMA	SDG-11
	15. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the	State/District/ULBs	Short Term	CSS-AMRUT 2.0, SBM 2.0, NULM, ADB, NULM,	-	SDG-11

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	projects/schemes under the Department.			Urban Roads state fund		
	16. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State/District/ULBs	Short Term	CSS-AMRUT 2.0, SBM 2.0, NULM, ADB, NULM, State Fund	-	SDG-11
	17. Formulate policy to reduce pollution (air, water, land), increase urban green space and ensure restoration of water bodies in and around towns/cities.	State	-	-	Nagaland Pollution Control Board (NPCB)	-
	18. Coordinate with Forest, Ecology, Environment and Wildlife Dept. & KMC in developing a policy on safe waste recycling & disposal, including e-waste.	State/District/ULBS	Medium Term	SBM 2.0	FC Grants-Municipal Affairs Dept.	SDG-6, 11.7
	19. Formulate policy to develop environment sensitive urban transport systems to reduce accidents and air pollution.	State	Medium Term	State Fund- Urban Roads	Transport Dept., NPCB	SDG-11
	20. Form state-municipal council level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State	Short Term	-	NSDMA	SDG-11
	21. Systematic eviction of encroachers.	NA	NA	NA	NA	NA
	22. Flood risk areas and flood protections to be integrated into the Building ByeLaws.	State	-	Incorporated in Nagaland buildings Bye-Law, 2012(NPPL)	-	-
	23. Create mechanisms and procedures for strict monitoring of adherence to the building codes and safety norms during construction and take	ULBs	Short Term	Nagaland Building Bye-Law, 2012 (NBBL)	-	-

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	punitive actions for violations.					
Priority 3: Investing in disaster risk reduction for resilience	24. Take remedial measures (retrofitting, demolition, relocation, etc.) against the identified structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.) and security threats, based on the findings from the safety audit of all offices, public buildings, sewerage, piped water supply schemes, schools, hospitals, etc. in phased manner.	State/ District/ ULDs	Long Term	-	Fund allocation from Finance	-
	25. Develop Disaster Mitigation Project Proposals for public buildings, sewerage, piped water supply schemes, schools, hospitals, etc. in line with National Disaster Risk Mitigation Fund guidelines ²⁴ .	State	Long Term	-	PHED, Fund allocation from Finance	SDG-11
	26. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets/infrastructure (office, equipment, schemes, etc.) due to any disaster, staff/workers injury/death on duty, etc., in line with Digital India programme.	State/ District	Medium Term	-	IT Dept., NSDMA	-
	27. Setup sewage treatment plants and ensure restoration of water bodies in and around towns/cities.	ULB	Medium Term	SBM-2.0, AMRUT 2.0	-	SDG-6, 12.5
	28. Setup waste recycling plants and stringent implementation of the ban on single-use plastic products.	State/ULB	Short Term	SBM-2.0	-	SDG-6, 12.5
	29. Develop green space/corridor/urban forests in the towns/cities.	ULB	Medium Term	AMRUT	FC grant- Municipal Affairs, Smart City	SDG-11

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	30. Develop and implement projects to develop environment sensitive urban transport systems (increasing electric bus fleet, odd-even scheme for private vehicles, etc.) to reduce accidents and air pollution.	NA	NA	NA	NA	NA
	31. Develop and implement projects to improve footpaths and dedicated bicycle lanes.	State/District/ULB	Medium Term	State Plan, ADB	FC Grant-Municipal Affairs, Smart City, Fund allocation from Finance	SDG-11
	32. Procurement and installation of solar based electrification of offices, public buildings, piped water supply schemes, schools, hospitals, etc.	NA	NA	NA	NRE	SDG-6,7,8,11: PM10-5, 9
	33. Information on basic service delivery to citizens (water supply/Sewerage/road length/waste generation/street light, etc.) to be shared through various forms of media.	State/ULBS	Medium Term	SBM 2.0	Technical assistance from IT Dept.	SDG-6
	34. Assessing, rationalizing and modifying all road levels to allow water to flow down. Road levels need to be matched to other road/drain levels & also to the levels of the houses in the areas where road levels are higher than the house level.	State/District	Short Term	State Plan	-	-
	35. Identify and remove culverts and blockages on drains and streams.	District	Short Term	State Plan	Labour & Machineries required, Fund allocation from Finance	-
	36. Build neighbourhood solid waste collection areas on higher ground and garbage dumping ground outside city on higher ground with impervious bed to prevent contamination of	State/ULB	Short Term	SBM 2.0, ADB	FC Grants-Municipal Affairs	SDG-12

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	groundwater.					
	37. Protection and restoration of existing water bodies and creation of new water bodies.	ULB	Medium term	AMRUT 2.0, ADP	PHED	-
	38. Promote non-motorised transport like walking and cycling through development of necessary infrastructure.	ULB	Medium Term	State Plan, ADP	FC Grant-Municipal Affairs, Smart city	SDG-11
	39. Promote solar-based electrification & rainwater harvesting in the offices, public buildings, piped water supply schemes, schools, hospitals, etc.	State/District/ULB	-	Incorporated in Nagaland Building Bye-Law, 2012(NBBL)	-	SDG-6,7,8,11: PM10-5, 9
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction	40. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient urban development.	State/District/ULB	Short Term	-	CB from NSDMA	SDG-11
	41. Develop IEC materials on mainstreaming DRR in urban infrastructure, environment sensitive urban transport, protection of wetlands, etc.	District/ULB	Short Term	-	Fund allocation from Finance	SDG-11
	42. Print and distribute IEC materials on mainstreaming DRR in urban infrastructure, environment sensitive urban transport, protection of wetlands, etc. to all organisations under UDD & also share it through media for public awareness.	District/ULB	Short Term	-	Fund allocation from Finance	SDG-11
	43. Organize awareness programmes on mainstreaming DRR in urban infrastructure, environment sensitive urban transport, protection of wetlands, etc. also disseminate through radio, print, TV and social media.	State/District/ULB	Medium Term	-	NSDMA, Fund allocation from Finance	SDG-11
	44. Installation of fire extinguishers in all offices, public buildings, water treatment plants, piped water supply schemes, schools, hospitals, etc.	State	Short Term	Incorporated in Nagaland Building Bye-Law 2012(NBBL)	Fire Department	-

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	45. Procure safety equipment, life-vests, PPE Kits, etc. for emergency response in case of any disaster.	State	Medium Term	-	Fund allocation from Finance	-
	46. Setting up of the Emergency Control Room at ULB level.	ULB	Short Term	-	DDMA	SDG-11
	47. Cleaning, desilting, installing silt traps and providing drain covers to be completed every year by 30th April.	District/ULB	Short Term	ULB, State plan	-	-
	48. Setup systems to access early warning messages for lightning, storm, flood, etc. by Departmental officials.	State	-	-	NSDMA, Soil & Water Conservation Dept.	-
	49. Mason training at local level on earthquake resilient technologies.	State/District	Short Term	-	Fund allocation from Finance	SDG

5.4. RESILIENT LIVELIHOODS

In this theme, the stakeholders will focus on livelihoods that can quickly recover from disasters, absorb the impact of economic and environmental hazards, and promote people's well-being and prosperity.

5.4.1. Department of Agriculture

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of the Agriculture Department infrastructure to identify the structural vulnerabilities (buildings, irrigation canals, water harvesting structures, etc.), hazard risks (fire, flood, erosion, landslide etc.), & possible remedial measures (retrofitting, repair, reconstruction, etc.) to be taken.	State	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	NAPCC/ INDC/ SDG-11
	2. Conduct safety audit of the Departmental infrastructure to identify the structural vulnerabilities (buildings, irrigation canals, water harvesting structures, etc.), hazard risks (fire, flood, erosion, landslide etc.), & recommend possible remedial measures (retrofitting, repair, reconstruction, etc.) to be taken.	District/ Sub Division	Medium term	Existing Human Resources at the State & District level	Technical support from universities/technical institutes	NAPCC/ INDC/ SDG-11
	3. Support Soil Conservation Dept. to conduct scientific research related to soil testing, erosion, reclamation of barren land for agriculture & afforestation, etc.	Directorate of Soil & water conservation	Medium term	Existing Human Resources at the State & District level	Technical support from universities/technical institutes	
	4. Develop block-wise agricultural maps showing vulnerable crop area, seeds bank/storage, etc.	District	Medium term	Existing Human Resources at the State & District level	District/ Sub-Division Officials	
	5. Develop Farmer's Database Land Records with Crop Area (High/ Medium/ Low).	District & Sub Division	Medium term	Existing Human Resources at the State & District level	District/ Sub-Division Officials	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	6. GIS/GPS Mapping (including photos) of the Department infrastructure/resources & develop a database categorising them as per disaster & structural vulnerability (safe and unsafe).	State/District/ Sub Division	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	7. Share the GIS/GPS Database to be integrated with other Departments.	State/District	Medium term	Existing Human Resources at the State & District level	Technical support from NSDMA	
Priority 2: Strengthening disaster risk governance to manage disaster risk	8. Develop Departmental Disaster Management Plan, SOPs & Contingency Plans on emergency response (floods, pest attacks, landslide, drought, etc.) for the Department officials at all levels (State, District, Sub-District).	State/District	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	9. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	SDG 9 & 11, PM-1 & 8
	10. Develop/adapt Early Warning System (EWS) for pest attacks, crop diseases and weather forecasting, & dissemination of information up to village level using electronic & social media.	GIS	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	11. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State/District	Medium term	Existing Human Resources at the State & District level	Technical support from NSDMA	NAPCC/ INDC/ SDG-11
	12. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State/District	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	NAPCC/ INDC/ SDG-11
	13. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental	State/District	Medium term	Existing Human Resources at the State & District level	Technical support from NSDMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	projects/schemes.					
	14. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient agriculture, & integrate that in the training curriculum for the Department officials.	State/District	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	15. Develop an Action Plan to assist the farmers affected by the COVID-19 pandemic to improve their production & distribution for sustainable livelihood.	State		Existing Human Resources at the State & District level	Technical support from NSDMA	
Priority 3: Investing in disaster risk reduction for resilience	16. Construction of seed bank/storage godowns to maintain stocks of foundation & certified seeds of different crops/varieties in areas safe from flood in the district or in the neighbouring district.	State/District	Medium term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	17. Production and processing of flood tolerant varieties of paddy seed.	State/District	Medium term	Existing Human Resources at the State & District level	Technical support from NSDMA/ Universities	
	18. Minimise the use of chemicals thereby to control the environmental pollution with the adoption of Integrated Pest Management practices and adoption of organic farming.	State/District	Medium term	Existing Human Resources at the State & District level	Technical support from universities	
	19. Create awareness to increase insurance coverage and financial support to the farmers in the event of failure of any of the notified crops as a result of natural calamities, pest attacks and diseases.	State/District	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	20. Construction of water harvesting structures, secondary/ micro storage, groundwater development, enhancing potentials of traditional water bodies across the entire state	District/ Sub-Division	Medium term	Existing Human Resources at the State & District level	Technical institutes	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	prioritising areas facing drought like situation.					
	21. Modernization & service orientation of irrigation system management to allow for changing cropping systems & the adaptation of farmers' practices.	State/District/ Sub-Division	Medium term	Existing Human Resources at the State & District level	Technical support from universities	
	22. Implement remedial measures (retrofitting, repair, reconstruction, etc.) against the identified structural vulnerabilities (buildings, irrigation canals, water harvesting structures, etc.) and hazard risks (fire, flood, erosion, landslide etc.) based on the findings from the safety audit of the Department infrastructure in phased manner.	State/District/ Sub-Division	Short term	Existing Human Resources at the State & District level	Technical support from universities/technical institutes, private sector	
	23. Explore the possibility of funding for disaster resilient infrastructure through PPP mode, CSR and crowdfunding.	State/District/ Sub-Division	Medium term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	24. Develop Disaster Mitigation Project Proposals in line with National Disaster Risk Mitigation Fund guidelines ²⁵ .	State	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	25. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, irrigation canals, water harvesting structures, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	District/ Sub-Division	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	26. Identify and include disaster risk financing and risk insurance options for the infrastructure.	State/District/ Sub-Division	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	27. Promote solar-based electrification of all offices, etc. in a phased manner.	State	Medium term	Existing Human Resources at the State & District level	Technical support from NSDMA/ NRE	SDG-6,7,8,11: PM40-5, 9
	28. Promote rainwater-harvesting structures across Nagaland for improving agriculture.	State		Existing Human Resources at the State & District level	Technical support from NSDMA	
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	29. Distribution of High Yielding Variety/ local variety of paddy seeds/ seedlings among the poor small and marginal farmers to compensate for the loss after flood.	District/ Sub-Division	Short term	Existing Human Resources at the State & District level	Technical support from universities	
	30. Undertake intensive Rabi Crop Programme (for black-gram, green gram, pea, lentil, mustard, maize, paddy, potato, onion, garlic, vegetables, etc.) from September to February.	District/ Sub-Division	Short term	Existing Human Resources at the State & District level	Technical support from universities	
	31. Provide free tractorisation and timely supply of good quality seeds to the poor small and marginal farmers.			Existing Human Resources at the State & District level	Technical support from NSDMA	
	32. Training of the Department officials & farmers on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient agriculture.	State/ District	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	33. Conduct Table Top Exercise & Mock Drills on Early Warning Dissemination and emergency response.	State/ District/ Sub-Division	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	34. Based on the learnings after a disaster, take measures such as land-use planning, structural standards improvement, etc. in the post-disaster recovery/reconstruction planning and implementation.	District/ Sub-Division	Medium term	Existing Human Resources at the State & District level	Technical support from NSDMA	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	35. Support Soil Conservation Dept. in awareness programmes for discouraging jhum cultivation, promotion of afforestation, etc.	State/District	Medium term	Existing Human Resources at the State & District level	Technical support from universities/technical institutes	
	36. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, etc.	State/District	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	37. Develop IEC materials on integrating DRR and Climate Change Adaptation in agriculture for Department officials, farmers, etc.	State/District/Sub-Division	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	
	38. Print and distribute IEC materials on integrating DRR and Climate Change Adaptation in agriculture & share it through media for public awareness.	State/District	Short term	Existing Human Resources at the State & District level	Technical support from NSDMA	

5.4.2. Department of Horticulture

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of the Horticulture Department infrastructure to identify the structural vulnerabilities (buildings, irrigation canals, water harvesting structures, etc.), hazard risks (fire, flood, erosion, landslide etc.), & possible remedial measures (retrofitting, repair, reconstruction, etc.) to be taken.	State	Long Term	Dept. Annual Plan Program	NSDMA (Technical support)	SFDRR
	2. Conduct safety audit of the Departmental infrastructure to identify the structural vulnerabilities (buildings, irrigation canals, water harvesting structures, etc.), hazard risks (fire, flood, erosion, landslide etc.), & recommend possible remedial measures (retrofitting, repair, reconstruction, etc.) to be taken.	State District	Long Term	Dept. Annual Plan Program	NSDMA (Technical support)	SFDRR
	3. Support Soil Conservation Dept. to conduct scientific research related to soil testing, erosion, reclamation of barren land for horticulture & afforestation, etc.	District	Medium Term	Nil	Department of Soil & Water Conservation	
	4. Develop block-wise agricultural map showing vulnerable crop area, high land for community nursery etc.	District Block	Medium Term	Nil	Department of Science and Technology	PMTA
	5. Develop Farmer's Database Land Records with Crop Area (High/ Medium/ Low).	State District	Short Term	Horticulture Area Production Information System (HAPIS) portal under the Ministry of Agriculture, Govt. of India		
	6. GIS/GPS Mapping (including photos) of the	State/Distr	Long Term	Nil	Nagaland GIS &	PMTA

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	Department infrastructure/resources & develop a database categorising them as per disaster & structural vulnerability (safe and unsafe).				Remote Sensing Center; Department of Science and Technology	
	7. Share the GIS/GPS Database to be integrated with other Departments.	State	Long Term	Nil	Department of Agriculture and Allied Departments	PMTA
Priority 2: Strengthening disaster risk governance to manage disaster risk	8. Develop Departmental Disaster Management Plan, SOPs & Contingency Plans on emergency response (floods, pest attacks, landslide, drought, etc.) for the Department officials at all levels (State, District, Sub-District).	State District	Long Term	Dept. Annual Action Plan and other CSS program	NSDMA (Technical support)	SFDRR
	9. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Long Term	Dept. Annual Action Plan and other CSS programs	NSDMA (Technical support)	SDG 9 & 11, PM-1 & 8
	10. Develop/adapt Early Warning System (EWS) for pest attacks, crop diseases and weather forecasting, & dissemination of information up to village level using electronic & social media.	State District	Long Term	Nil	Agro Meteorological Advisory Service (AAS) IVAR, Nagaland Centre, Jharnapani	SFDRR
	11. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State	Medium Term	Annual action plan of various programs		NAPCC
	12. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Medium Term	Annual action plan of various Departmental schemes		SFDRR

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	13. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State	Short Term	MIDH PMKSY RKVY MOVCD		SFDRR
	14. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient horticulture, & integrate that in the training curriculum for the Department officials.	District	Medium Term	National Adaptation Fund for Climate Change (NAFCC) project; IFAD project		SDG 13 ; NAOCC
	15. Develop an Action Plan to assist the farmers affected by the COVID-19 pandemic to improve their production & distribution for sustainable livelihood.	State	Ongoing	Projects for economic development of Nagaland post COVID-19 under North Eastern Council (NEC) program		SDG 2
Priority 3: Investing in disaster risk reduction for resilience	16. Minimise the use of chemicals thereby to control the environmental pollution with the adoption of Integrated Pest Management practices and adoption of organic farming.	State	Ongoing	Integrated Nutrient Management (INM) and Integrated Pest Management (IPM) program under -MIDH -MOCVD		State Organic Policy
	17. Create awareness to increase insurance coverage and financial support to the farmers in the event of failure of any of the notified crops as a result of natural calamities, pest attacks and diseases.	State District	Long Term	Nil	Micro Financing Scheme under Chief Minister's Self-Reliant Scheme ; Pradhan	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
					Mantri Fasal Bima Yojana (PMFBY)	
	18. Construction of water harvesting structures, secondary/ micro storage, groundwater development, enhancing potentials of traditional water bodies across the entire state prioritising areas facing drought like situation.	State District	Ongoing	Creation of Water resources program under -MIDH -PMKSY		
	19. Implement remedial measures (retrofitting, repair, reconstruction, etc.) against the identified structural vulnerabilities (buildings, irrigation canals, water harvesting structures, etc.) and hazard risks (fire, flood, erosion, landslide etc.) based on the findings from the safety audit of the Department infrastructure in phased manner.	State District	Long Term	Under State Plan		
	20. Explore the possibility of funding for disaster resilient infrastructure through PPP mode, CSR and crowdfunding.		Long Term	Nil	NSDMA	
	21. Develop Disaster Mitigation Project Proposals in line with National Disaster Risk Mitigation Fund guidelines ²⁶ .		Long Term	Nil	NSDMA	
	22. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, irrigation canals, water harvesting structures, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.		Long Term	Nil	Department of Information Technology	PMTA
	23. Identify and include disaster risk financing and risk insurance options for the infrastructure.		Long Term	Nil	State Finance Department	
	24. Promote solar-based electrification of all offices, etc. in a phased manner.		Long Term	Nil	Department of New and	SDG-6,7,8,11: PM10-5, 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
					Renewable Energy	
	25. Promote rainwater-harvesting structures across Nagaland for improving horticulture.		Ongoing	MIDH PMKSY		
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	26. Training of the Department officials & farmers on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient horticulture.		Short Term	National Adaptation Fund for Climate Change (NAFCC) project; IFAD project		SDG 13; NAPCC
	27. Conduct Table Top Exercise & Mock Drills on Early Warning Dissemination and emergency response.					
	28. Based on the learnings after a disaster, take measures such as land-use planning, structural standards improvement, etc. in the post-disaster recovery/reconstruction planning and implementation.					
	29. Support Soil Conservation Dept. in awareness programmes for promotion of afforestation, etc.					
	30. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, etc.					
	31. Develop IEC materials on integrating DRR and Climate Change Adaptation in agriculture for Department officials, farmers, etc.					
	32. Print and distribute IEC materials on integrating DRR and Climate Change Adaptation in horticulture & share it through media for public awareness.					

5.4.3. Department of Veterinary and Animal Husbandry

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, hospitals, dispensaries, colleges, etc. by Veterinary and Animal Husbandry Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.) and possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	State level	Medium term	Departmental annual Plan	Technical support from NSDMA	
	2. Conduct safety audit of all offices, hospitals, dispensaries, colleges, etc. by the Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.), & recommend possible remedial measures (retrofitting, demolition, relocation, etc.) to be taken.	District level	Medium term	Departmental annual Plan	NSDMA	
	3. Conduct study to identify risks faced by livestock, and recommended actions for all districts of Nagaland.	District level	Medium term	State Plan /CSS		
	4. Involve local communities while conducting study to identify risks faced by livestock.	Sub District	Short term	State Plan /CSS		
	5. GIS/GPS Mapping of all Departmental infrastructure (offices, hospitals, colleges, etc.) and develop a database categorizing them as per their vulnerability (safe and unsafe).	State level	Medium term	State Plan	Technical support from GIS Centre	
	6. GIS/GPS Mapping of raised platforms, highlands, etc. in districts for livestock to take refuge during floods.	District level	Medium term	State Plan	Technical support from GIS and Remote Sensing Centre	
	7. Share the GIS/GPS Database to be integrated with other departments.	State level	Medium term	State Plan	Technical support from GIS and	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
					Remote Sensing Centre	
Priority 2: Strengthening disaster risk governance to manage disaster risk	8. Develop Departmental Disaster Management Plan, SOP & Contingency Plans on emergency response (floods, epidemic, storm, chemical hazards, etc.) for Department officials at all levels (State, District, Sub-District).	State/District level	Short term	Dept. annual Plan	Required resources from local Administration	
	9. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State level	Medium term	Dept. Annual plan	CSS	SDG 9 & 11, PM-1 & 8
	10. Develop/adapt Early Warning System (EWS) for animal diseases.	State/District level	Medium term	State Plan /CSS		
	11. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State level	Medium term	State Plan /CSS	NAFCC/IFAD	
	12. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State/District level	Medium term	Dept. Annual plan		
	13. Expansion and strengthening of extension services such as Gopal Mitras and farmers for improved livestock management.	District/Sub-District level	Short term	State Plan /CSS	CSS	
	14. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State/District level	Medium term	State Plan /CSS	Technical support from NSDMA	
	15. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient livestock management, disease surveillance, etc. & integrate that in the	State/District level	Medium term	State Plan /CSS	NAFCC/IFAD	

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	training curriculum for the Department officials.					
Priority 3: Investing in disaster risk reduction for resilience	16. .Take remedial measures (retrofitting, demolition, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, earthquake, landslide etc.) based on the findings from the safety audit of all offices, hospitals, dispensaries, colleges, etc. in a phased manner.	State level	Medium term	State Plan	Technical support from NSDMA	
	17. Develop Disaster Mitigation Project Proposals for Veterinary and Animal Husbandry in line with National Disaster Risk Mitigation Fund guidelines ²⁷ .	State level	Medium term	State Plan	NADMP/NSDMA	
	18. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, hospitals, dispensaries, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	State level	Medium term	State Plan		
	19. Improve vaccine production and cold storage in the veterinary hospitals & clinics.	State/ District level	Short term	State Plan /CSS		
	20. Extension and promotion of livestock insurance.		Short term	CSS	CSS	
	21. Creating raised fodder cultivation plots.	District level	Medium term	State Plan /CSS		
	22. Upgradation of Clinical Investigation Unit.	District level	Medium term	CSS		
	23. Promote solar-based electrification & rainwater harvesting all offices, hospitals, dispensaries,	District/ Sub-District	Medium term	Dept. Annual Plan	NSDMA/NRE	SDG-6,7,8,11: PM10-5, 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
	etc. in a phased manner.	level				
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	24. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient livestock management, disease surveillance, etc.	State/District level	Medium term	State Plan /CSS	NAFCC/IFAD	
	25. Orientation of Gopal Mitras, farmers, and other stakeholders as per the Departmental Disaster Management Plan, SOP & Contingency Plans on emergency response.	District level	Short term	State Plan /CSS	NADMP	
	26. Develop IEC materials on integrating DRR and Climate Change Adaptation in Animal Husbandry, benefits of livestock insurance, disease surveillance, etc.	State level	Medium term	State Plan /CSS	NADMP	
	27. Print and distribute IEC materials on integrating DRR and Climate Change Adaptation in Animal Husbandry, benefits of livestock insurance, disease surveillance, etc. for all offices, Gopal Mitras, farmers, etc. & also share it through media for public awareness.	State level	Medium term	State Plan /CSS	NADMP	
	28. Organise awareness programmes DRR, Animal Husbandry, benefits of livestock insurance, disease surveillance, etc. for Gopal Mitras, farmers, etc. & also share information through radio, print, TV and social media.	District/Sub-District level	Medium term	State Plan /CSS		
	29. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, hospitals, dispensaries, colleges, etc.	District level	Short term	Dept Annual Plan		
	30. Procure Veterinary Ambulance, engine boats, life-vests, PPE Kits, rescue equipment, etc. for emergency response in case of any disaster.	State/District level	Short term	Dept Annual Plan	NSDMA	

5.4.4. Department of Fisheries

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of the Department infrastructure to identify the structural vulnerabilities (office buildings, pond structures, embankment, etc.), hazard risks (fire, flood, erosion, landslide etc.) and possible remedial measures (retrofitting, repair, reconstruction, etc.) to be taken.	1	Short	NA		SDG:1,13 PM: 1,9
	2. Conduct safety audit of the Department infrastructure to identify the structural vulnerabilities (office buildings, pond structures, embankment, etc.), hazard risks (fire, flood, erosion, landslide etc.) and possible remedial measures (retrofitting, repair, reconstruction, etc.) to be taken.	1	Short	NA		SDG:11,13 PM: 1,9
	3. Conduct scientific research related to fishes, fish production, impact of climate change on fisheries, etc. in collaboration with Central Inland Fisheries Research Institute.	2	Short	Nil		SDG:4,13,14,17, PM: 1,9
	4. GIS/GPS Mapping (including photos) of the Department infrastructure/resources and developing a database categorising them as per disaster and structural vulnerability (safe and unsafe).	1	Medium	Nil		SDG: 9,13 PM: 4,5,9
	5. Share the GIS/GPS Database to be integrated with other Departments.	1	Medium	Nil		SDG: 9,13,17 PM:4,5,9
Priority 2: Strengthening disaster	6. Develop Departmental Disaster Management Plan, SOP & Contingency Plans on emergency response (floods, erosion, drought, etc.) for the Department officials at all levels (State,	1	Short	NA		SDG: 4,9 PM: 1,9,8

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
risk governance to manage disaster risk	District, Sub-District).					
	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	1	Short	Nil		SDG 9 & 11, PM-1 & 8
	8. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	2	Short	Nil		SDG:11,13 PM: 1,4,8,9
	9. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	3	Medium	Nil		SDG: 4,17 PM: 1
	10. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	2	Short	Nil		SDG:13 PM: 1,4,8,9
	11. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient fishery management, & integrate that in the training curriculum for the Department officials.	2	Short	Nil		SDG: 13,14 PM: 1,4,8,9
	12. Establish a DRR and CCA cell within the Department	2	Short	Nil		SDG: 11 PM:1,8,9
Priority 3: Investing in disaster risk reduction for	13. Encourage the farmers to adopt progressive farming practices, high value inputs and modern technology in aquaculture practices.	1	Short	Nil		SDG:4,8,12,13,14 PM:1,5,8,9
	14. Establishment of Fish Seed Bank for supply of fish seed after flood as a contingency measures. Both Government & some selected fish seed farms may be upgraded for the specific	2	Medium	Government and private hatcheries		SDG: 11,14 PM: 1,8,9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
resilience	purpose.					
	15. Increase insurance coverage and financial support to the fish farmers in the event of failure of any of the notified crops as a result of natural calamities, pest attacks & epidemic/pandemic.	3	Medium	Nil		SDG: 1 PM: 1,2
	16. Implement remedial measures (retrofitting, repair, reconstruction, etc.) against the identified structural vulnerabilities (office buildings, pond structures, embankment, etc.) and hazard risks (fire, flood, erosion, landslide etc.) based on the findings from the safety audit of the Department infrastructure in phased manner.	3	Long	Nil		SDG:9,11 PM: 1,2,9
	17. Develop Disaster Mitigation Project Proposals in line with National Disaster Risk Mitigation Fund guidelines ²⁸ .	3	Medium	Nil		SDG: 9,11,13 PM: 1,4,6,9
	18. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, pond structures, embankment, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	2	Medium	Nil		SDG: 9 PM: 4,5,6,7,9
	19. Identify and include disaster risk financing and risk insurance options for the infrastructure.	2	Medium	Nil		SDG: 9,11 PM: 1,2
	20. Promote solar-based electrification & rainwater harvesting in all offices, etc. in a phased manner.	2	Medium	Nil		SDG-6,7,8,11: PM10-5, 9

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	21. Training of the Department officials on integrating DRR and Climate Change Adaptation for sustainable & disaster resilient fishery management.	1	Short	Nil		SDG: 4,13,14 PM: 1,7,9
	22. Based on the learnings after a disaster, take measures such as structural standards improvement, etc. in the post-disaster recovery/reconstruction planning and implementation.	2	Medium	Nil		SDG: 9,11 PM: 1,8,9
	23. Provision for financial support to the disaster affected fisher folks.	3	Medium	Nil		SDG: 1 PM: 2
	24. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, etc.	1	Short	Department issued		SDG: 9,11 PM: 1,8,9

5.4.5. Department of Sericulture

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster RiskSDG -	1. Issue departmental order to conduct safety audit of all offices, units, etc. by Sericulture Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.) and possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken	State level	Short Term	State Plan	Technical support from Engineering branch, Industries & Commerce.	SDG-2
	2. Conduct safety audit of all offices, units, etc. to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.) and possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.	State level	Short Term	State Plan	Technical support from Engineering branch, Industries & Commerce.	SDG-2
	3. Conduct study to identify socio-economic vulnerabilities, and risks faced by farmers engaged in sericulture due to disasters and climate change, etc., and recommend actions to mitigate those risks.	State level	Short Term	State Plan, Centrally Sponsored Schemes	-	SDG-2
	4. Research & development for introduction of water resistant varieties of Eri SilkWorm food plants (Kesseru & Castor).	State level	Short Term	Central Sericulture Research & Training Centers	-	SDG-2
	5. GIS/GPS Mapping of all offices, units, etc. and develop a database categorising them as per disaster and structural vulnerability (safe and unsafe).	State level	Long Term	State Plan	Nagaland GIS & Remote Sensing	SDG-2, SDG-9
	6. Share the GIS/GPS Database to be integrated with other departments.	State level	Long Term	State Plan	Information Technology Department	SDG-2, SDG-9
Priority 2: Strengthen	7. Develop Departmental Disaster Management Plan, SOP & Contingency Plans for Emergency	State level	Medium Term	State Plan	NSDMA	-

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Managing disaster risk governance to manage disaster risk	Response (fire, floods, earthquake, landslide pandemic, etc.) for the Department officials at all levels (State, District, Sub-District).					
	8. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State level	Medium Term	State Plan	Finance Department	SDG 9 & 11, PM-1 & 8
	9. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State level	Medium Term	State Plan	Finance Department	-
	10. Support farmers engaged in sericulture in developing their Business Continuity Plans in order to build their disaster resilience.	State level	Short Term	State Plan, Centrally Sponsored Schemes	-	SDG-2
	11. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects.	State level	Short Term	State Plan Centrally Sponsored Schemes	-	SDG-1, SDG-2, SDG-15
	12. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State level	Short Term	State Plan Centrally Sponsored Schemes	-	SDG-1, SDG-2, SDG-15
	13. Develop/update content on integration of DRR & Climate Change Adaptation in Sericulture projects, and integrate that in the training curriculum for the Department officials & the farmers.	State level	Short Term	State Plan Centrally Sponsored Schemes	-	SDG-1, SDG-2, SDG-15
Priority 3: Investing in disaster risk	14. Take remedial measures (retrofitting, reconstruction, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, earthquake, lightning, landslide etc.) based on the findings from the	State level	Short Term	State Plan Centrally Sponsored Schemes	Finance Department	-

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
reduction for resilience	safety audit of all offices, units, etc. in a phased manner.					
	15. Increase insurance coverage and financial support to the Producers/farmers in the event of losses due to natural calamities, pest attacks & epidemic/pandemic	State level	Short Term	State Plan Centrally Sponsored Schemes	-	SDG-1, SDG-2, SDG-15
	16. Ensure construction of community spinning/reeling shed on high ground in flood prone silk producing villages/Blocks.	State level	Short Term	State Plan Centrally Sponsored Schemes	-	SDG-1, SDG-2, SDG-15
	17. Ensure construction of community rearing house on raised platform in flood prone villages/Blocks for rearers to shift polytube nursery seedling & continue rearing during floods.	State level	Short Term	State Plan Centrally Sponsored Schemes	-	SDG-1, SDG-2, SDG-15
	18. Develop Disaster Mitigation Project Proposals, to ensure resilient Sericulture, in line with National Disaster Risk Mitigation Fund guidelines ²⁹ .	State level	Medium Term	State Plan Centrally Sponsored Schemes	-	SDG-1, SDG-2, SDG-15
	19. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, etc.) due to any disaster, injury/death of artisans, weavers and entrepreneurs on duty, etc., in line with Digital India programme.	State level	Medium Term	State Plan Centrally Sponsored Schemes	Information Technology Department	SDG-1, SDG-2, SDG-15
	20. Promote solar-based electrification & rainwater harvesting in all offices, units, etc. in a phased manner.	State level	Long Term	State Plan Centrally Sponsored Schemes	-	SDG-1, SDG-2, SDG-15

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction	21. Training of the Department officials and farmers on integrating DRR and Climate Change Adaptation for the disaster resilience of Sericulture.	State level	Long Term	State Plan Centrally Sponsored Schemes	NSDMA	SDG-1, SDG-2, SDG-15
	22. Develop IEC materials on integrating DRR and Climate Change Adaptation for the disaster resilience of Sericulture.	State level		State Plan Centrally Sponsored Schemes	Information & Public Relation Department	-
	23. Print and distribute IEC materials on integrating DRR and Climate Change Adaptation for the disaster resilience of Sericulture for all offices, units etc. & also share it through media for public awareness.	State level	Long Term	State Plan Centrally Sponsored Schemes	Information & Public Relation Department	-
	24. Setup systems to access & dissemination of early warning messages for rainfall, flood, landslide etc. for rearers to schedule silkworm rearing successfully.	State level	Long Term	State Plan Centrally Sponsored Schemes	Soil & Water Conservation Department, KVK	SDG-2, SDG-15
	25. Promote adoption of using disinfectants as preventive measures for different diseases for silkworm rearing by the rearers during flood.	State level	Long Term	State Plan Centrally Sponsored Schemes	Central Sericulture Research & Training Centres	SDG-2, SDG-15
	26. Conduct awareness programmes among farmers on the importance of integrating DRR and Climate Change Adaptation for the disaster resilience of Sericulture.	State level	Long Term	State Plan Centrally Sponsored Schemes	Central Silk Board	SDG-2, SDG-15
	27. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, units, etc.	State level	Long Term	State Plan Centrally Sponsored Schemes	Finance Department	-

5.4.6. Department of Labour

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of the Head office, Zonal and District offices by Labour Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, lightning, landslide etc.) and possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.	State Level	Short Term		Not required.	SDG-8.8 SDG-9.1 SFDRR(Pri-1&2) PM4th Agenda.
	2. Conduct safety audit of the Head office, Zonal and District offices to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, lightning, landslide etc.) and possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.	State Level District Level Factories Establishment	Medium term	Department Annual Plan.	Technical Support from DGFASLI, Mumbai and PWD Deptt.	SDG-8.8 SDG-9.1 SFDRR(Pri-1&2) PM4th Agenda.
	3. Conduct study to identify risks faced by labourers and children due to disasters, climate change, forced migration, crime (trafficking, kidnapping, physical violence, sexual abuse, etc.), and recommended actions in all districts of Nagaland.	State Level	Medium term	Department Annual Plan.	Administration Deptt., Social Welfare Deptt. & NSDMA	SDG-8.5, 8.8 SFDRR(Pri-1&2) PM2nd Agenda.
	4. GIS/GPS Mapping of the Head office, Zonal and District offices and developing a database categorising them as per disaster and structural vulnerability (safe and unsafe).	State Level	Medium term	Department Annual Plan.	Nagaland GIS & Remote Sensing	SDG-11b SFDRR PM5th Agenda.
	5. Share the GIS/GPS Database to be integrated with other departments.	State Level	Medium term	Department Annual Plan.	Nagaland GIS & Remote Sensing	SDG-11b SFDRR PM5th Agenda.
Priority 2: Strengthening disaster	6. Develop Departmental Disaster Management Plan, SOP & Contingency Plans on emergency response (flood, earthquake, pandemic, landslide fire, etc.) for the Department officials	State Level	Long term	Department Annual Plan.	NSDMA	SDG-11b SFDRR PM5th Agenda.

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
risk governance to manage disaster risk	at all levels (State, District, Sub-District).					
	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State Level	Medium term	Department Annual Plan.	Finance Department.	SDG 9 & 11, PM-1 & 8
	8. Conduct disaster mock-drills in the Head office, Zonal and District offices based on the Departmental Disaster Management Plan, SOP & Contingency Plans.	State Level	Short Term	Department Annual Plan.	NSDMA	SDG-11b SFDRR PM5th Agenda.
	9. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects.	State Level	Short Term	Department Annual Plan.	Nil	SDG-11b SFDRR PM5th Agenda.
	10. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State Level	Short Term	Department Annual Plan.	Nil	SDG-11b SFDRR PM5th Agenda.
	11. Develop content on labour and child rights, social security, workers safety, First-Aid, DRR, Climate Change, etc. and integrate that in the training curriculum for Labour Department officials.	State Level	Short term	Department Annual Plan.	NSDMA	SDG-8.8 SDG-11b SFDRR PM5th Agenda.
	12. Formation of state-district level joint monitoring teams to monitor activities related to labour and child rights, social security, workers safety, & DRR.	State Level	Medium term		Collaboration with line department.	SDG-8.8 SDG-11b SFDRR PM5th Agenda.
Priority 3: Investing in disaster risk reduction	13. Take remedial measures (retrofitting, reconstruction, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, earthquake, lightning landslide etc.) based on the findings from the safety audit of the Head office, Zonal and District offices in a	State Level	Medium term	Nil	Finance Department.	SDG-8.8 SDG-9.1 SFDRR(Pri-1&2) PM4th Agenda.

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
for resilience	phased manner.					
	14. Allocation of funds for integration of DRR and Climate Change Adaptation components in all Departmental projects.	State Level	Medium term	Nil	Nil	Nil
	15. Develop Disaster Mitigation Project Proposals for Labour Welfare in line with National Disaster Risk Mitigation Fund guidelines ³⁰ .	State Level	Medium term	Nil	Finance Deptt.	PM 2nd Agenda.
	16. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, etc.) due to any disaster, injury/death of workers on duty, etc., in line with Digital India programme	State Level	Medium term	Nil	IT Department. Finance Deptt.	PM 2nd Agenda. SFDRR(Pri-3&4)
	17. Promote solar-based electrification & rainwater harvesting in the Head office, Zonal and District offices, in a phased manner.	State Level	Long term	Nil	Finance Deptt.	SDG-6,7,8,11: PM10-5, 9
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation	18. Training of officials from the Social Welfare Department on monitoring of labour and child rights, social security, workers safety, First-Aid, DRR, Climate Change, etc.	State Level	Medium term	Department Annual Plan.	Chief Labour Commissioner (Central)	SDG-6 SDG-8.7 SDG-13 SDG-11b SFDRR PM5th Agenda.
	19. Develop IEC materials on labour and child rights, social security, workers safety, First-Aid, DRR, Climate Change, etc.	State Level	Medium term		Nil	SDG-6 SDG-8 SDG-13 SDG-11b SFDRR PM5th Agenda.
	20. Print and distribute IEC materials on labour	State Level	Medium	Nil	Finance Deptt.	SDG-6

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
tion and reconstruction	and child rights, social security, workers safety, First-Aid, DRR, Climate Change, etc. for all offices, labour unions/groups and children & also share it through media for public awareness.		term			SDG-8 SDG-13 SDG-11b SFDRR PM5th Agenda.
	21. Conduct awareness programmes among laborers and children labour and child rights, social security, workers safety, First-Aid, DRR, Climate Change, etc.	State Level	Medium term	Nil	Finance Deptt.	SDG-6 SDG-8 SDG-13 SDG-11b SFDRR PM5th Agenda.
	22. Install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in the Head office, Zonal and District offices.	State Level	Long Term	Department Annual Plan.		SDG-8 SDG-9 SFDRR PM 1st Agenda.
	23. Install lightning arrester in the Head office, Zonal and District offices as per requirement.	State Level	Short Term	Department Annual Plan.		SDG-8 SDG-9 SFDRR PM 1st Agenda.

5.4.7. Department of Employment, Skill Development & Entrepreneurship

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, ITIs, training centres, etc. by Employment, Skill Development & Entrepreneurship Department to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.) and possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.	State	Short Term	Annual plan	Nil	SFDRR (Priority -1)
	2. Conduct safety audit of all offices, ITIs, training centres, etc. to identify the structural vulnerabilities, hazard risks (fire, flood, earthquake, landslide etc.) and possible remedial measures (retrofitting, reconstruction, relocation, etc.) to be taken.	State/ District	Short Term	Annual Plan	Nil	SFDRR (Priority -1)
	3. Conduct study to analyse the future industry forecasts and identify the employment risks in various sectors (such as Infrastructure, Construction, Healthcare, Power, Hospitality, Tourism, Aviation, etc.), and recommend actions to mitigate those risks. Publish the report in the public domain.	State	Short Term	Annual Plan	DIPR, IT&C Dept	SFDRR (Priority-1)
	4. GIS/GPS Mapping of all offices, ITIs, training centres, etc. and develop a database categorising them as per disaster and structural vulnerability (safe and unsafe).	State/ District	Medium Term	Annual plan	IT&C Dept, GIS & Remote Sensing Centre	-
	5. Share the GIS/GPS Database to be integrated with other departments.	State	Short Term	Annual Plan	IT&C Dept	-
Priority 2: Strengthening disaster	6. Develop Departmental Disaster Management Plan, SOP & Contingency Plans for Emergency Response (fire, floods, economic crisis, pandemic, landslide etc.) for the Department	State/ District	Medium Term	Annual Plan	NSDMA, DTF	SFDRR (Priority-2)

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
risk governance to manage disaster risk	officials at all levels (State, District, Sub-District).					
	7. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	State	Short Term	Annual Plan	-	SDG 9 & 11, PM-1 & 8
	8. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	State	Short Term	Annual Plan	-	SFDRR (Priority-2)
	9. Integrate Business Continuity Planning component in the entrepreneurial courses in order to build their disaster resilience.	State	Medium Term	Annual Plan	EDC, IIE	SDG-9 SFDRR (Priority-3)
	10. Form state-district level joint monitoring teams to assess and monitor the integration of disaster preparedness, response, recovery and mitigation components in the Departmental projects/schemes.	State/District	Medium Term	Annual Plan	NSDMA, DTF	-
	11. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	State	Long Term	Annual Plan	NSDMA	-
	12. Develop/update content on integration of DRR & Climate Change Adaptation in Employment, Skill Development & Entrepreneurship, & integrate that in the training curriculum for the Department officials, trainees & employment seekers.	State	Long Term	Annual Plan	NCVET, NSDC	SDG-4
Priority 3: Investing in disaster risk	13. Take remedial measures (retrofitting, reconstruction, relocation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, earthquake, lightning, landslide etc.) based on the findings from the	State	Long Term	Annual Plan	PWD, Urban Development	SFDRR (Priority - 3)

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
reduction for resilience	safety audit of all offices, training centres etc. in a phased manner.					
	14. Develop Disaster Mitigation Project Proposals, to ensure disaster resilient Skill, Employment & Entrepreneurship development, in line with National Disaster Risk Mitigation Fund guidelines ³¹ .	State	Long Term	Annual Plan	NSDMA	SFDRR (Priority-3)
	15. Develop and implement an online reporting system (MIS) for documenting damage and loss related to Departmental assets (office, equipment, etc.) due to any disaster, injury/death of staff on duty, etc., in line with Digital India programme.	State	Long Term	Annual Plan	IT&C Dept, NIC	NeGP
	16. Develop and migrate to a secure online portal to maintain database of trainees & employment seekers to track their career/job placement, linked with Aadhaar	State	Short Term	CSS	IT&C Dept, NIC	-
	17. Promote solar-based electrification & rainwater harvesting in all offices, ITIs, training centres, etc. in a phased manner.	State/District	Medium Term	CSS	NRE Dept	SDG-6,7,8,11: PM10-5, 9
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back	18. Training of the Department officials, trainees & employment seekers on integrating DRR and Climate Change Adaptation for the disaster resilient Employment, Skill & Entrepreneurship development.	State	Medium Term	Annual Plan	NSDMA, NCVET, NSDC	SDG-4
	19. Develop IEC materials on integrating DRR and Climate Change Adaptation for the disaster resilient Skill, Employment & Entrepreneurship development.	State	Long Term	Annual Plan	DIPR, IT&C Dept, and other Print media	NeGP
	20. Print and distribute IEC materials on	State	Long term	Annual Plan	DIPR, I&T Dept,	NeGP

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Better" in recovery, rehabilitation and reconstruction	integrating DRR and Climate Change Adaptation for the disaster resilient Skill, Employment & Entrepreneurship development for all offices, ITIs, training centres, etc.				and other Print media	
	24. Install fire extinguishers, fire alarm, fire escape, etc. in all offices, ITIs, training centres, etc.	State/District	Medium	Annual Plan	-	SFDRR (Priority - 3)

Note:

EDC- Entrepreneurship Development Center

IIE – Indian Institute of Entrepreneurship

NeGP- National e- Governance Plan

NCVET- National Council of Vocational Education and Training

NSDC -National Skill Development Corporation

5.4.8. Department of Tourism

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 1: Understanding Disaster Risk	1. Issue departmental order to conduct safety audit of all offices, tourist destinations/sites & properties under the Tourism Dept. to identify the structural vulnerabilities, hazard risks (fire, flood, landslide, earthquake etc.) and possible remedial measures (retrofitting, rehabilitation, etc.) to be taken.	Directorate Level	Action to be taken			
	2. Conduct safety audit of all offices, tourist destinations/sites & properties under the Tourism Dept. to identify the structural vulnerabilities, hazard risks (fire, flood, landslide, earthquake, etc.) and possible remedial measures (retrofitting, rehabilitation, etc.) to be taken.	Directorate Level				NSDMA
	3. Mapping of all restaurants, dhabas, hotels, etc. in Nagaland and create a database of those including the facilities available in them.	Directorate Level		Economics & Statistical Wing, Directorate of Tourism		Nagaland GIS & Remote Sensing Centre
	4. Conduct study to identify risks faced by the tourism sector, successful models and recommended actions for Nagaland.	Directorate Level				
	5. GIS/GPS Mapping of all Departmental infrastructure, hospitality businesses, tourist destinations/sites, and develop a database categorising them as per their vulnerability (safe and unsafe).	Directorate Level				Nagaland GIS & Remote Sensing Centre
	6. Share GIS/GPS Database to be integrated with other departments.	Directorate Level				Nagaland GIS & Remote Sensing Centre

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Priority 2: Strengthening disaster risk governance to manage disaster risk	7. Develop Department Disaster Management Plan & SOP on emergency response for officials of Tourism Department at all levels (State, District, SubDistrict), covering fire, floods, earthquake, lightning, etc.	Directorate Level		All Districts		
	8. Create a Departmental budget head & allocate funds for disaster mitigation, preparedness, research & contingency purposes.	Directorate Level				SDG 9 & 11, PM-1 & 8
	9. Support tour operators, hospitality businesses to develop SOP on emergency response, Business Continuity Plans (including insurance), etc.	Directorate Level		Training		
	10. Develop/update content on integration of DRR & Climate Change Adaptation in sustainable & disaster resilient tourism, & integrate that in the training curriculum for the Department officials.	Directorate Level	Annually			
	11. Mandatory integration of DRR and Climate Change Adaptation components during the planning, designing & implementation of all the projects/schemes under the Department.	Directorate Level		Incorporated in departmental projects		Forest Environment & Climate Change
	12. Integrate DRR Roadmap interventions and their sub-activities in the Departmental Annual Plan/Program Implementation Plan, Disaster Management Plan and budgets.	Directorate Level	Yearly			NSDMA
	13. Instruct Tour Operators, hospitality businesses, etc. to report financial losses due to disasters.	Directorate Level		Tourism stakeholders		
Priority 3: Investing in disaster risk	14. Take remedial measures (retrofitting, rehabilitation, etc.) against the identified structural vulnerabilities and hazard risks (fire, flood, landslide, earthquake, etc.) based on the findings from the safety audit of all offices,	Directorate Level	Annually	All Departmental Projects		

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
reduction for resilience	tourist destinations/sites, properties under the Dept. in a phased manner.					
	15. Develop Disaster Mitigation Project Proposals for Disaster Resilient Tourism in line with National Disaster Risk Mitigation Fund guidelines ³² .	Directorate Level				NSDMA
	16. Establish Departmental MIS for prediction and forecasting of resource requirement, trained human resource, infrastructure/resource database (including damage and loss data), maintenance of reports, documents, etc. under Digital India programme.	Directorate Level				
	17. Promote installation of solar based electrification/heating & rainwater harvesting in offices, tourist sites. Promote the same for hospitality businesses, etc.	Directorate Level		CSS/NEC project	NRE	SDG-6,7,8,11: PM10-5, 9
	18. Issue recommendations to ensure mandatory fitness and equipment in tourist vehicles (engine, body, etc.) and basic training for hospitality and first-aid.	Directorate Level		Training		Regional Transport Authority
Priority 4: Enhancing disaster preparedness for effective response and to "Build Back"	19. Use flood, storm and lightning early warning system to inform tourists, tour operators, hospitality businesses, etc. through the Tourism app.	Directorate Level	Action to be taken			
	20. Training of officials from the Tourism Department on monitoring of DRR in Tourism activities/projects and formation of state-district level joint monitoring teams.	Directorate Level	Half yearly	Training		
	21. Orientation of Tour Operators, Hospitality Businesses, etc. as per the Departmental DM	Directorate Level	Half yearly	Training		

SFDRR Priority	DRR Action	Level of Action	Timeline	Available Resources	Any Additional Resources Required	Linkage with Other Frameworks
Better" in recovery, rehabilitation and reconstruction	Plan and SOP on emergency response, and conduct mock drills.					
	22. Develop IEC materials on DRR and Tourism, etc.	Directorate Level				
	23. Print and distribute IEC materials on DRR and Tourism, etc. for public, staff, Tour Operators, Hospitality Businesses, etc. & also share it through media for public awareness.	Directorate Level				
	24. Organise awareness programmes Eco-Sensitive Tourism, Tourist Safety and Security, and share information through radio, print, TV and social media.	Directorate Level	Annually	Training		
	25. Inspect and install fire extinguishers, fire alarm, fire escape, water hydrant/sprinklers, etc. in all offices, vehicles, hotels, etc.	Directorate Level	Annually			
	26. Procure safety equipment, life-vests, PPE Kits, etc. for emergency response in properties under Tourism Dept. in case of any disaster.	Directorate Level	Action to be taken			

ACTION PLAN

6. FINANCING THE DRR ROADMAP

Disaster Risk Reduction Roadmap envisages a multi-pronged financing strategy which finds its basis in the statutes, policies and guidelines and recommendations of appropriate authorities/bodies of the Government of India and State Government as well as alignment with international commitments of Government of India under United Nations Framework Cooperation on Climate Change's mechanism, namely the Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts, Sendai Framework for Disaster Risk Reduction (2015-30), Sustainable Development Goals. The financing strategy encompasses the following:

6.1. Compliance to the Disaster Management 2005

Whereas Nagaland is prone to climate and non-climatic emergencies and disasters and have been increasingly affected by the impacts of such emergencies, Whereas Section 38(2)(d) mandates the state government to allocate funds for prevention of disaster, mitigation, capacity-building, and preparedness by the departments of the Government in line with State and District Plans, whereas Section 49 (2) which applies the provisions of sub-section (4) mutatis mutandis to departments of state government regarding making provisions in their annual budget for funds for the purpose of carrying out activities and programs set out in disaster management plans and the DRR Roadmap being developed as strategic framework and integrated action plan in consultation with departments and stakeholders.

Whereas DRR Roadmap is designed as a tool to ensure compliance to section 39 (b) and (C) which require the state government to integrate Disaster prevention and mitigation into development plans and projects, allocate funds for prevention of disaster, mitigation, capacity-building and preparedness.

In consideration of the above, it is proposed that the state budget of Government of Nagaland includes a mandatory annexure of "Resilient Nagaland Budget Statement" which shall encompass department wise allocation of funds amounting not less than 1% of their total budget per year for implementation of DRR actions identified in their respective departmental DRR Roadmap action plans.

Besides, the DRR Roadmap Implementation Mechanism proposes establishing a DRR Roadmap Technical Support Unit within the administrative control of NSDMA. For setting up, operationalization and maintenance of the unit which will comprise hiring of 5 thematic experts and their administrative expenses, an additional allocation of Rs. 60 lakhs (48 lakhs for remuneration and 12 lakhs for administrative expenses) per year to NSDMA is proposed from the State budget.

6.2. Alignment with 15th FC Recommendations

In alignment with the recommendations of the 15th Finance Commission for Disaster Risk Management through State Disaster Risk Management Fund, the DRR Roadmap provides a framework for effective utilization of funds set aside different windows of State Disaster Response Fund (particularly 10% of the fund which is set aside for preparedness and capacity building) and the State Disaster Mitigation Fund (20% of the SDRMF). The relevant actions of the listed departments falling under the purview of these funds can be funded based on a graded review approach prioritizing needs and merits of the proposal. The funds available under the SDRMF to Nagaland are presented below:

(In Rs. Crore)			
	GoI's Share	State's Share	Total
2021-22	41	5	46
2022-23	43	5	48
2023-24	46	5	51
2024-25	48	5	53
2025-26	50	6	56
Total (5 years)	228	26	254

The stakeholders will have to draw proposals based on their roadmap action plan following guidelines issued from time to time by NDMA/NSDMA to access the above funding options. Only those actions be prioritized which conform to the respective fund guidelines and which are not possible within the allocated departmental budget.

6.3. Integrating in Local Self Government system of Nagaland

The 15th Finance Commission Report (P-250, para- 8.105) emphasizes upon the role of PRIs “in all stages of disaster management, covering prevention, mitigation, preparedness, response, restoration, rehabilitation reconstruction work.” The report (P-250, para- 8.106) also proposes that certain mitigation activities (listed in annexure 8.2) of the report should be left to PRIs for implementation rather than being taken up by the State or Union government. In a recent example, Government of Odisha through Odisha Panchayat Laws (Amendment) Ordinance, 2021 brought an amendment to Odisha Gram Panchayat Act 1964, Odisha Panchayat Samiti Act, 1959 and Odisha Zilla Parshad Act, 1991 to include disaster management related functions within the ambit of core functions PRIs. It is in this regard, it is proposed that an amendment be brought in to the 'The Nagaland Village and Area Councils Act, 1978' to include disaster management functions including but not limited to village level disaster management plans, integrating DRR actions in Village Council Development Plan, capacity building of stakeholders, carrying out and facilitation of relief, rehabilitation and reconstruction activities in disaster affected areas in accordance with State plan and district plan, and other measures as may be necessary for disaster management and risk reduction etc. Certain actions of DRR Roadmap Action Plans will be decentralized and included in Village Council Development Plans and funding for such activities will be sourced from various available sources including 15th FC untied funds, MGNREGS etc. managed by the Village Councils.

6.4. Other financing options (Aligned to 15th FC Recommendations and National Disaster Management Plan 2019)

The 15th Finance Commission report and National Disaster Management Plan 2019 both suggest specific funding windows for financing disaster risk management and reduction actions. Under this roadmap, the following financing opportunities will be tapped:

6.4.1. Flexi Funds under the Centrally Sponsored Schemes

Ministry of Finance, Department of Expenditure vide Department's F.No 55(5)/PF-II/2014 has issued guidelines for use of Flexi Funds under centrally sponsored schemes which have been raised from 10% to 25% for states of overall allocation under each scheme. The guidelines define three objectives where flexi funds can be used, one of which is “To undertake mitigation/restoration activities in case of natural calamities or to satisfy local requirements in areas affected by local security disturbances”. Therefore, in alignment with the guidelines, flexi funds under specific schemes will be a key source for implementation of departmental action plans under the DRR Roadmap. It is proposed that the Finance Department, Government of Nagaland comes up with state level

notification enabling the departments to use flexi funds for implementing their respective DRR Roadmap action plans and may devise a mechanism to monitor the same in line with Ministry's guidelines.

6.4.2. Externally Aided Projects

Externally aided projects can be explored as an additional option to mobilize resources for implementation of the DRR Roadmap. The externally aided can be developed in two categories as follows:

- **Integrated Proposals** - Any proposal for a sectoral development scheme (for example scheme for construction of road, water supply in specific locations, technology development etc) designed for a specific donor agency can have an integrated DRR component aligned to the roadmap.
- **Exclusive Proposals** - Departments may also look for exclusive donors for supporting an exclusive DRR project such as those related to early warning, risk assessment, reliant infrastructure etc. Any exclusive proposal related to DRR Roadmap should be approved by the SEC, NSDMA.

NSDMA in coordination with respective lead departments will explore mechanisms for inviting and endorsing support of Multi-lateral and Bi-Lateral Donors, United Nations' Agencies and similar agencies in line with norms established by Government of India.

6.4.3. Crowd Funding

NSDMA will be developing a crowdfunding strategy for supplementing funding options for DRR Roadmap in consultation with NDMA. The crowd funding strategy will identify specific project areas from the roadmap based on requests from lead departments which do not have any funding source, prioritize them based on feasibility, relevance and urgency and line up campaign targets. NSDMA may establish collaboration with crowd funding platforms in this regard. Global Naga Forum and relevant forum of Naga people living outside India may be tapped to raise and supplement funding for identified projects having no other funding options.

6.4.4. Corporate Social Responsibility

In the course of implementation of the DRR Roadmap, it is proposed that CSR funds under PSUs and private sector companies operational/proposed to be operational in the state will be tapped to support departments in implementing the DRR

Roadmap action plans. NSDMA will lead the coordination and establish linkages with relevant corporate stakeholders in coordination with the Department of Industries and Commerce and Investment and Development Authority of Nagaland. Targeted events for fundraising on specific project areas will be done. Lead departments, based on their network and feasibility may also reach out to or accept proposals from relevant corporate stakeholders in prioritizing projects related to DRR Roadmap.

6.5.5. Chief Ministers Disaster and Climate Resilience Fund

A separate pool of funds is proposed to be created in the Chief Minister's Office in line with Chief Minister's Relief Fund to support last mile resilience building projects based on DRR Action Plans of various Departments. The fund will remain in the administrative control of the CM's Office and will be created through structured public donations raised from time to time to meet specific resilience project funding needs which do not potentially have any other source of funds.

6.5. ROLE OF FINANCE DEPARTMENT, GOVERNMENT OF NAGALAND

The Finance Department, Government of Nagaland will play a lead role in ensuring adequate and comprehensive financial management for this ambitious vision document. In order to operationalize the financing strategy for the DRR Roadmap, the Finance Department will be responsible for the following:

- a) Developing guidelines, template, modality, and process for the 'Resilient Nagaland Budget Statement' as an annexure to the State Budget. Lead coordination with departments in ensuring the annexure is completed every year.
- b) Issue financial directives on use and monitoring of the funds budgeted for implementation of the DRR Roadmap Actions.
- c) Develop state level guidelines for use of Flexi Funds in line with the Ministry of Finance, Department of Expenditure Notification issues vide Department's F.No 55(5)/PF-II/2011.
- d) Issue notification making disaster and climate risk and impact analysis mandatory as a part of the process towards development and approval of any state level government scheme/programs by departments of Government of Nagaland.
- e) In line with recommendations of the 15th Finance Commission, support and strengthen the damage and loss accounting system for the state of Nagaland.
- f) Develop from time-to-time advisories and guidelines for departments on using one or more financing options for DRR as outlined in this chapter.
- g) Support NSDMA in liaising with potential donors for accessing funds for implementation of the DRR Roadmap interventions.
- h) Develop a robust financial monitoring platform for tracking financial progress and needs based on self-reporting by departments related to implantation of the roadmap.

7. IMPLEMENTATION MECHANISM

Nagaland Disaster Risk Reduction Roadmap will be implemented by respective stakeholder departments with support from agencies/organization/ departments/associations and individuals at different levels based on relevance and feasibility. The implementation mechanism is guided by Section 40 (1) (a) (ii, iv, v) of the Disaster Management Act, 2005 and would have the following structure:

7.1. State Disaster Risk Reduction Forum

The Disaster Risk Reduction Forum for Nagaland will be notified as the Apex Body for providing strategic guidance and direction in implementation and monitoring of the DRR Roadmap. It may be notified under Section 17 (4) of the Disaster Management Act 2005 having Chief Minister, Nagaland as the Chairperson, and Cabinet Ministers of relevant departments, Member of Legislative Assembly, elected members of Village Councils and Tribal Councils, as members. It should also have representatives from Academic Institutes and Higher Education Institutes, Corporate Associations/Bodies, NGOs/CSOs, Associations and trade unions, Farmers' Collectives, Women Collectives, Media, Thematic experts, and researchers as members. The architecture and procedures of the [National Platform for DRR](#) will be followed while notify the Forum. The Forum will be convening its meetings atleast twice a year and will be responsible for monitoring the progress, suggest revisions, and strategic directions for effective implementation of the DRR Roadmap.

The Forum will function subject to the following limitations:

- a) This forum is neither a policy making nor a decision making body. The Forum will review and recommend actions to concerned stakeholders.
- b) Operational capacities related to implementation of the DRR Roadmap will lie with SEC and NSDMA and the role of the forum would be advisory in nature cutting across all Government and Non-Government sectors.
- c) The roles and responsibilities will be further defined in the ToR.

7.2. State Executive Committee, NSDMA

The State Executive Committee, NSDMA will provide overall administrative guidance and strategic monitoring support for implementation of the DRR Roadmap. The SEC will review and approve any submissions made to the State Forum. Any subsequent guideline, SOP, policy originating from the DRR Roadmap will be reviewed and approved by the SEC. The SEC will also advise the NSDMA and the DRR Roadmap Technical Support Unit on coordination among stakeholders, monitoring of implementation of action plans, reviewing, and recommending on matters related financial allocation for the implementation of roadmap action plans, integration of roadmap actions into departmental DM plan, resolution of operational issues and challenges. DRR Roadmap implementation will be made a standing agenda of the SEC meetings.

7.3. NSDMA Secretariat, Home Department

The Secretariat of the Nagaland State Disaster Management Authority will lead the overall coordination for implementation of the DRR Roadmap. The NSDMA will also house the DRR Roadmap technical support unit to provide strategic technical support to departments and agencies in implementation of the DRR Roadmap. Over and above, NSDMA will have the lead role in implementing the following actions for a resilient preparedness for response systems in the state:

7.3.1. Understanding Disaster Risks

- Support development, review and finalization of sector/department specific guidelines, SOPs, tools, and frameworks enabling departments/stakeholders to effectively address, anticipate and understand contextual risks.
- Identify and enlist knowledge agencies having expertise and experience of conducting research and evaluations on disaster and climate change related risks. Support departments by linking appropriate agencies.
- Invest in early warning for landslides particularly for lifeline communication systems and infrastructure. Develop integrated modules of dissemination of warning till the last mile.
- Create automated multi-hazard early warning dissemination systems using Artificial Intelligence in line with global best practices.
- Create a state level database on vulnerable infrastructure based on their age, sustainability and exposure to different risks. The source of data should be data provided by specific departments leading thematic action plans.
- Invest in research and dissemination of findings on emerging risks and complex possible scenarios.
- Upgrade social media strategy for risk communication and community engagement in line with global best practices. Devise a strategy for strengthening and using traditional and folk media for risk communication and community engagement.
- Establish an integrated knowledge management portal as a repository and one-stop solution for various knowledge needs related to disaster and climate related risks in Nagaland, traditional and indigenous systems related to understanding and managing risks, body of evidence on emerging risks, success stories, case studies, research papers, publications etc.

7.3.2. Strengthening Disaster Risk Governance

- Develop simplified scenario statements on existing and emerging risks, issues, and solutions to support policy decisions in the state legislative assembly before the start of scheduled sessions.
- Align State, District and Village Disaster Management Plans with the Disaster Risk Reduction Roadmap and ensure linkages with budgeting for implementation.
- Develop a DM plan implementation tracker and a web-portal for simplified planning, review and monitoring of Departmental, District, School, Hospital, Industrial and other DM Plans.

- Develop a system of scorecards to measure performance of DDMA's and VDMA's in building disaster resilience.
- Introduce a system to review and grade large scale infrastructure proposals particularly those related to roads and bridges, telecommunications infrastructure, dams and other built infrastructure etc.
- Coordinate with and strengthen networks of faith-based organizations, trade unions, associations, farmers collectives, women collectives, student associations etc to advocate and strengthen community resilience to existing and emerging risks.
- Develop planning template, SOPs and guidelines for contextual DRR compliance such as industry/agency specific plans, mine specific action plans etc.
- Coordinate with networks and associations of different agencies such as trade unions, hotel owners' association and similar networks and institute a risk governance mechanism for multi-hazard scenarios within their work.

7.3.3. Invest in Disaster Risk Reduction for Resilience

- Organize Resilient Nagaland Conclaves involving potential donors to mobilize and leverage financial and technical resources for implementation of DRR Roadmap.
- Design crowd funding strategy, partner with relevant agencies/potential crowd funding partners and institute targeted digital fund-raising campaign for specific projects based on consultation with relevant departments and NDMA.
- Coordinate with the Finance Department to ensure that funding options as outlined in the DRR Roadmap document are operationalized.
- Develop state guidelines for State Disaster Mitigation Fund and District Disaster Mitigation Fund to be constituted using SDRMF funds in alignment with the DRR Roadmap document. Establish single window project clearance mechanism for stakeholders with DRR Roadmap being integrated as a qualifying criterion for the proposals.
- Mobilize technology and resources to use appropriate technology for multi-hazard early warning systems, emergency shelter, disaster resilient critical and social infrastructure etc.
- Build on and expand parametric insurance and other forms of risk pooling and sharing tools and products contextualized to Nagaland.
- Invest on and develop a single window capacity development portal for managing online and offline capacity development interventions by various stakeholders. The platform provides easily accessible data on human resources with domain expertise and training available in the state and should be updated with every capacity development initiative.

7.3.4. Preparedness for effective response and to 'Build Back Better' in recovery

- Design and expand existing mock exercises to multi-hazard scenario-based simulation exercises to test actual response capacities at different levels including those for public health emergencies, industrial disasters, technological disasters, conflicts and violence etc.
- Systematically expand the capacity of the State Disaster Response Force from the existing eight districts to sixteen districts including both human and material resources which are advanced and adapted to emerging technologies.
- Innovate and upgrade strategies and tools for building capacity of emergency responders at all levels through classroom training, tabletop simulations, demonstrations, and organized drills.
- Build a health emergency preparedness assessment system and test it through system drills in desired frequencies based on learning from responding to Covid-19.
- Invest on multi-purpose emergency shelters at Village Council Level with a well-defined strategy contextualized to Nagaland. Develop a graded approach for prioritizing construction of such shelters.
- Strengthen Village Councils capacities to take up relief, recovery actions in line with 15th FC report. Advocate, coordinate and introduce amendment to relevant legislations for making Village Councils accountable for Disaster Management.
- Upgrade excavation and transport clearance tools and skills in the event of landslides. Continue mapping and investing in alternate routes for identified and potential landslide risk prone areas.
- Coordinate with lead departments of the DRR Roadmap and review their readiness to continue delivering services and minimizing disruptions. Develop a system of preparedness assessment scorecard to grade preparedness at various levels.
- Strengthen pre-positioning of essential supplies at Village Council level for providing humanitarian assistance to population at-risk of being affected in line with SDRF norms.
- Procure/Upgrade and ensure regular maintenance through testing of mobile response equipment such as mobile power supply units, mobile water treatment/supply units, mobile medical units/boat clinics, road construction, garbage clearing equipment etc.
- Develop a system to systematically test operation of specifically response services for special at-risk groups such as children, pregnant and lactating women, elderly, disabled, people with chronic illnesses etc.

7.4. DRR ROADMAP TECHNICAL SUPPORT UNIT

The DRR Roadmap proposes to establish a DRR Roadmap Technical Support Unit under the aegis of the Nagaland State Disaster Management Authority to support coordination, management and reporting functions during the implementation of the DRR Roadmap. This unit will be headed by an Officer of NSDMA not below the rank of Secretary to Government of Nagaland and will comprise of five state level technical experts namely, Resilient Social Sector Services Expert, Resilient Infrastructure Expert, Resilient Cities Expert, Resilient Livelihoods Expert, Roadmap Financing Expert. Each expert will be recruited with relevant domain expertise and experience. Their primarily responsibility would be to support the related departments in designing projects, RFQs, DPR development, capacity building, monitoring and reporting on their relevant roadmap action plan. The experts will also be responsible for preparing customized reports, develop fundraising proposals, technical notes, and presentations, facilitating administrative processes related to DRR action plans of their respective departments. The Financial Management Expert will coordinate with Finance Department and support operationalization of the overall DRR Roadmap Financing Strategy. Detailed ToRs will be developed for each of the experts and the overall accountability of management of the Unit will be with NSDMA.

7.5. DISTRICT DISASTER MANAGEMENT AUTHORITY

The District Disaster Management Authorities of respective districts will perform the coordination role of NSDMA at district level in implementation of the DRR Roadmap Action Plans. The DDMA will be responsible for reviewing progress of DRR Roadmap implementation at district level, provide real-time guidance to respective departments, conduct monitoring and site visits in case of projects implemented under DRR Roadmap and provide reports to the NSDMA. DRR Roadmap will be integrated as a standing agenda in at least two meetings of DDMA per year. NSDMA will organize capacity development sessions for DDMA on their role in DRR Roadmap implementation and monitoring.

7.6. VILLAGE DISASTER MANAGEMENT AUTHORITY

Village Disaster Management Authorities will be capacitated to monitor grass-root level activities implemented by departments through projects drawn from the DRR Roadmap. Gradual empowerment of VDMAs will include processes and tools to contribute towards implementation of the roadmap at local level including but not limited to review of design of community level development schemes for their compliance to disaster resilience, strengthening Village Council level planning for DRR and integration into village development plans, social and behavior change related activities related to DRR, community based preparedness initiatives including strengthening and reviving the traditional and indigenous coping practices. An annual DRR Forum at Village Council level will be held involving community level stakeholders such as frontline workers from various departments, elected leaders, faith leaders, CBOs, Academicians etc to review DRR needs and progress of DRR actions implemented in the village under the ambit of the DRR Roadmap.

7.7. THEMATIC LEAD DEPARTMENTS

The DRR Roadmap includes detailed action plans developed in consultation with responsible departments called hereafter 'lead departments' under four major themes. The lead departments will be responsible for proposing yearly budget estimates based on their action plans to the Finance Department. **The Governing Body/Executive Committee** of respective departments will be responsible for ensuring DRR Action Plans are integrated into the annual plans/PIPs of the respective departments and adequately financed through the identified financing options. Any funding gap must be communicated in writing by the respective HoDs to the NSDMA for exploring alternative sources of financing. The implantation of the DRR Roadmap should be a standing agenda of any GB/EC meeting of all the departments. The lead departments will also be responsible to communicate district and block level functionaries to appraise progress of their DRR Roadmap in the relevant coordination/review meetings chaired by Deputy Commissioner at District Level and Administrative Officer at Sub-Division level. The departments are responsible to collate departmental progress of implementation of their action bi-annually and report on the platform to be provided by NSDMA.

7.8. ALLIED AGENCIES

Training and Research Institutes under various departments.	- This category will include establishments such as SCERT, SIRD, ATI, ITI, Institute of Nursing, NST, G&M, PWD and any other State-run institutes and research centres. - These entities will primarily work to include the component of DRR in the existing modules/curriculum, innovate action research related to risks and do project monitoring and evaluation for relevant actions implemented under road map by their concerned department.
Academic Institutes Higher Education and Technical Education Institutes.	- This category will include educational universities and institutes like Nagaland University, Kohima Science College autonomous, St. Joseph's University, Patkai autonomous, Government Polytechnics, NIT etc. - These agencies can contribute towards DRR knowledge in regards to disasters and to develop expertise in specific disasters. - Research documents of scholars can be used as reference for local specific disasters study.

District Planning and Development Board	• The DPDB is responsible for monitoring and strategic guidance for implementation of developmental activities in the district. • As such, the DPDB can monitor and ensure that the activities carried out in the district are inclusive of DRR components in all the activities. • The DPDP shall include DRR Roadmap Progress as a standing agenda for atleast two of its meetings. • Minutes of such meeting to be copied to NSDMA
Village Council	• The Village Council is the apex body and the gateway to the grassroots level in the local rural community of Nagaland. • All the developmental works carried out in the village level are overseen by the VC. This authority is to ensure that any government activity is carried out in line with the DRR objectives. • The VC is also to sensitize and educate the public on disaster management and best practices. • The VC must include risk informed action plans in their Village Development Plan and earmark resources for the same • The VC should invest in village disaster management planning, capacity building for DRR, construction of disaster resilient infrastructure etc.
NGOs, CSOs, Tribal Hohos, Faith Based Organizations	• The Social organisations play a vital role in connecting the general public to the Government. These organisations are also responsible for linking the traditional and local approach to the mainstream DRR concept. • These entities are to bring in and suggest the best practices and workable suggestions to the authority. • They will be contributing towards sensitization and mobilization of communities to adopt resilient practices and behaviours.

Farmers' Collectives and Women Collectives	- These groups also form one of the integral parts of the DRR process which includes the SHGs in the village level, farmer's organisations, etc. - These groups are closer linked to the individuals in a village or a local set up and thus, can interact more and give more inputs as per the local circumstances.
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8. REPORTING, MONITORING AND EVALUATION

The success of the Nagaland DRR Roadmap will be based on a robust reporting, monitoring and evaluation system which is pre-defined since the inception. The indicator framework for the roadmap is inspired by the report of the open-ended intergovernmental expert working group on indicators and terminologies relating to disaster risk reduction endorsed by United Nations General Assembly vide resolution A/71/644 dated 1 December 2016. The progress monitoring will be done using the indicator framework as tabulated below:

SL. NO	SFDRR TARGETS	PROGRESS INDICATOR FOR NAGALAND	TARGET (2030)
1	GLOBAL TARGET A: Substantially reduce global disaster mortality by 2030, aiming to lower average per 100,000 global mortality between 2020-2030 compared with 2005-2015.	Establishment of a database on life losses attributed to disasters.	State level database desegregated by Age, Gender and Disability.
		System for tracking cause of death.	Disaster Death Reviews conducted after disasters.
		Reduction of direct disaster deaths.	10% reduction in average for the period 2023-2030 compared to 2018-22 (i.e., less than 11 deaths/year).

2	GLOBAL TARGET B: Substantially reduce the number of affected people globally by 2030, aiming to lower the average global figure per 100,000 between 2020-2030 compared with 2005-2015.	Number of directly affected people attributed to disasters.	Strengthened Damage and loss data and adequate reporting of affected people (anticipated increase in numbers).
		Number of fully damaged houses attributed to disasters.	2% reduction in average for the period 2023-2030 compared to 2018-22.
		Number of people whose houses are partially damaged by disasters.	2% reduction in average for the period 2023-2030 compared to 2018-22.
		Number of people whose livelihoods were disrupted or destroyed, attributed to disasters.	Strengthened Damage and loss data and adequate reporting of livelihood related impacts (anticipated increase in numbers)
3	GLOBAL TARGET C: Reduce direct disaster economic loss in relation to global gross domestic product (GDP) by 2030.	Direct economic loss attributed to disasters in relation to global gross domestic product.	Strengthened Damage and loss data and adequate reporting of economic impacts (anticipated increase in numbers)
		Direct agricultural loss including allied sector attributed to disasters.	Strengthened Damage and loss data and adequate reporting of economic impacts (anticipated increase in numbers)
		Direct economic loss to all other damaged or destroyed productive assets attributed to disasters.	Strengthened Damage and loss data and adequate reporting of economic impacts (anticipated increase in numbers)

		Direct economic loss in the housing sector (Fully and partially damaged and compensation provided) attributed to disasters.	Strengthened Damage and loss data and adequate reporting of economic impacts (anticipated increase in numbers)
		Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.	Strengthened Damage and loss data and adequate reporting of economic impacts (anticipated increase in numbers)
		Direct economic loss to cultural heritage damaged or destroyed attributed to disasters.	Strengthened Damage and loss data and adequate reporting of economic impacts (anticipated increase in numbers)
4	GLOBAL TARGET D: Substantially reduce disaster damage to critical infrastructure and disruption of basic services, among them health and educational facilities, including through developing their resilience by 2030.	Number of destroyed or damaged health facilities attributed to disasters.	
		Number of destroyed or damaged educational facilities attributed to disasters.	
		Number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters.	
		Number of disruptions to basic services attributed to disasters.	Strengthened Damage and loss data and adequate reporting of disruption of services (anticipated increase in numbers).

		Number of disruptions to educational services attributed to disasters.	Strengthened Damage and loss data and adequate reporting of disruption of services (anticipated increase in numbers).
		Number of disruptions to health services attributed to disasters.	Strengthened Damage and loss data and adequate reporting of disruption of services (anticipated increase in numbers).
		Number of disruptions to other basic services attributed to disasters.	Strengthened Damage and loss data and adequate reporting of disruption of services (anticipated increase in numbers).
5	GLOBAL TARGET E: Substantially increase the number of countries with national and local disaster risk reduction strategies by 2020.	Number of districts that adopt and implement DDMPs in line with the Sendai Framework for Disaster Risk Reduction 2015-2030.	All 16 districts of the State
		Percentage of Village Councils that adopt and implement Village DM/DRR Plans and strategies.	50% of Village Councils

6	GLOBAL TARGET F: Substantially enhance international cooperation to developing countries through adequate and sustainable support to complement their national actions for implementation of this framework by 2030.	Number of MoUs, Workplans with International, multi-lateral, Bi-lateral and UN Agencies established for DRR.	5 MoUs
		Number of MoUs with Knowledge institutes on exchange of science, technology and innovation in disaster risk reduction for developing countries.	2 MoUs
7	GLOBAL TARGET G: Substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments to the people by 2030	Nagaland has access to a landslide early warning system.	Piloted in 1 location
		Number of districts that have operational automated weather stations.	All 16 districts of the State
		Number of districts that have accessible, understandable, usable and relevant disaster risk information and assessment available to the people at the district and village levels.	All 16 districts of the State.
8	GLOBAL TARGET G: Substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments to the people by 2030	Percentage of population exposed to or at risk from disasters protected through pre-emptive evacuation following early warning.	Based on actual incidents.
		Nagaland has access to a landslide early warning system.	Piloted in 1 location
		Number of districts that have operational automated weather stations.	All 16 districts of the State

8.1. Reporting Platform, frequency and tool

NSDMA will develop an online platform for self-reporting by stakeholders and departments. The reporting module will have two major components, i.e., reporting on indicators and reporting on activity progress. The portal will have the action plans pre-populated for departments to report progress on activities, while indicator reporting will be kept open. The DRR Roadmap Technical Support Unit will be organizing consultations with stakeholders in designing the reporting portal and parameters of reporting. It is expected that reporting will be done by stakeholder departments bi-annually. The report will be compiled into an annual publication by NSDMA as 'Resilient Nagaland Status report'. The report will be used to mobilize stakeholders, technical partners, and potential donors to contribute towards the roadmap as well as provide feedback and status to stakeholders, partners and donors who have contributed.

8.2. Evaluation of the Roadmap

It is proposed that the Nagaland DRR Roadmap will undergo a mid-term evaluation in the year 2026 and an end term evaluation in the year 2031 to measure its results. The evaluation will be done through an intendant technical agency following a mixed method approach including review of progress reports and literature generated in course of implementation, triangulation, and validation through stakeholder survey, KIIs and FGDs. The mid-term evaluation report will be used to introduce course correction and upgradation of strategies and action plans of the current roadmap while the end-term evaluation will help in designing the successor of the roadmap once it completes its intended duration. NSDMA will come up with a detailed mid-term and end-term evaluation strategy in due course of time.

8.3. Quality and Accountability

The overall accountability of leading the roadmap to its course of action lies with the State Executive Committee of NSDMA. SEC will introduce a system for collecting public feedback related to DRR Roadmap and the DRR Roadmap TSU will have operational responsibility of managing and addressing the feedback received as well as closing the loop by coordinating with relevant stakeholders for addressing the feedback and informing the feedback provider on the actions taken. SEC will also be provided a standard quality assurance checklist to track progress of roadmap implementation.

NDRR ROADMAP CONTRIBUTORS

Nagaland State Disaster Management Authority expresses its gratitude to all the Line Departments who have participated in the review process of the Nagaland Disaster Risk Reduction Roadmap and the large consultation process which structured the development of this Roadmap.

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