STATE ENVIRONMENT PLAN FOR SIKKIM





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State Environment Plan [Sikkim]

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STATE PROFILE

Sikkim is the 2nd smallest and the least populous 22nd state of India covering a geographical area of 7096 sq.km, extending approximately 114 kms from north to south and 64 kms from east to west. Sikkim ranks 27th in terms of area coverage and its density is 86 per sq km which is lower than national average 382 per sq km. It is a landlocked state in the north-eastern region of India and shares international borders with China, Nepal and Bhutan, and state boundary with West Bengal. The state falls in the 1.4 Meso Regions, namely North Eastern Himalayas of the Macro Region 1, the Northern Mountains of the Natural Division of India. It includes four micro regions i.e., 1.4.1, 1.4.2, 1.4.3 and 1.4.4 and lies between latitude of 27°5′ N to 20°9′ N and longitude of 87°59′ E to 88°56′ E (the state being in the inner Eastern Himalayan Mountain region), the elevation of the mountainous terrain ranges from 280 meters above sea level (asl) to 8585 meters asl; and has the third highest peak in the world located in the northern part of Sikkim Himalaya, the Mount Khangchendzonga. Nearly two third of the hilly regions of the state are montane perpetually covered with snow and are the sources of glaciers like Talung, Zemu, Lhonak, etc.

Owing to its location in the Himalayan mountain regions, the topography of Sikkim is diverse with an array of ecological variations of different climatic conditions from warm tropical in the south to the cold desert in the north which determines the varied vegetation patterns. The rich diversity and its elegant beauty of flora and fauna, waterfalls, lakes, holy caves, hot springs make the state as one of the biodiversity hotspots in the Eastern Himalayas. These water bodies especially the lakes of high altitude are the transitory halting habitats of a large groups of migratory waterfowls.

a. State Administrative Set-up Profile

The district administration of Sikkim is setup in 6 districts as a result of the Sikkim (Re-organization of Districts) Act, 2021 – Gangtok, Pakyong, Mangan, Namchi, Soreng and Geyzing. Each of these districts is headed by a State Government appointee, the District Collector, who oversees the overall administration of civilian areas of the district and coordinates the functioning of all other state government departments and PSUs within the district. The District Collector is supported by Additional District Collector. Sub-divisional Officers are the supporting and the heads of respective departments. The office of District Collector & Magistrate is known as District Administrative Centre (DAC) or District Collectorate.

Gangtok district of Sikkim has been divided into 2 Sub-Divisions namely Gangtok and Rabdang. Gangtok district is an administrative district of the Indian state of Sikkim as all the major offices of the administration of the state is located in Gangtok. Both the District Collectorate and the office of SDM are situated at Sichey area of Gangtok. However, because of the decentralization policy of the State Government, the sub-district units were further divided into smaller units called Block Administrative Centre (BAC) vide Notification No. 628/RM&DD/P, dated 12.2.2007. The newly created Block Administrative Centers (BACs) are declared as the "grassroots unit" of developmental activities of the state and their territorial jurisdictions are fixed vide Notification No. 60/RM&DD/P, dated 20.02.2007 superseding earlier Notifications of 12.2.2007. Previously there were only 08 BACs which are later on extended to 10.

For the administrative purpose, 3 subdivisons make up the new Pakyong district in East Sikkim: Rongli, Rangpo and Pakyong. With six revenue circles – Pakyong, Dikling – Pacheykhani, Aho Senti, Tareythang-Bering, Machong and Amba Taza- It is the largest subdivision. The Rongli subdivision will comprise Rhenock, Subaneydara and Rongli revenue circles. Duga and West Pandam are two revenue circles that comprise the Rangpo Subdivision.

The Soreng District with its head quarter at Soreng is headed by the District collector who is in charge of the overall administration of the district and co-ordinates the functioning of all other state government department departments and PSUs within the district. The office of the District collector has several sections which are supervised by various officers of the rank of Sub-Divisional Magistrates and Deputy Director. The District collector is supported by the Additional District Collector who looks after certain sections of the Collectorate.

Geyzing district is also known as Gyalshing. The town is connected to the capital Gangtok by a metalled road. Geyzing is also connected to the West Bengal towns of Darjeeling and Kalimpong via Jorethang. its head quarter at Gyalshing is headed by the District collector who is in charge of the overall administration of the district and co-ordinates the functioning of all other state government department departments and PSUs within the district. The office of the District collector has several sections which are supervised by various officers of the rank of Sub-Divisional Magistrates and Deputy Director. The district collector is supported by the Additional District Collector who looks after certain sections of the Collectors.

Mangan district is divided into 4 subdivisons: Mangan, Dzongu, Kabi and Chungthang abd also 5 Nagar Palika under Mangan Nagar Panchayat (MNP). These are: Lower Mangan Bazaar, Power Colony, Rinzing Namgyyal, Penktok, Upper Mangan Bazaar.

The Namchi District with its head quarter at Namchi is headed by the District collector who is in charge of the overall administration of the district and co-ordinates the functioning of all other state government department departments and PSUs within the district. The office of the District collector has several sections which are supervised by various officers of the rank of Sub-Divisional Magistrates and Deputy Director. The district collector is supported by the Additional District Collector who looks after certain sections of the Collectors.

b. Urban Local Bodies

Sikkim has 7 Urban Local Bodies (ULBs) which has been constituted since 2010 – 2011 under Sikkim Municipalities Act 2007 in the towns of Gangtok, Rangpo, Singtam (Gangtok Municipal Corporation, Rangpo Nagar Panchayat and Singtam Nagar Panchayat in East district), Mangan (Mangan Nagar Panchayat in North district), Gyalshing (Geyzing Nagar Panchayat in West district), Nayabazaar – Jorethang (Nayabazaar – Jorethang Nagar Panchayat) and Namchi (Namchi Municipal Council in South district). These ULBs are primarily responsible for the management of municipal solid waste management (MSW).

At present, 89% source segregation of MSW have been achieved so far through training and IEC activities at cluster / ward wise phased manner by the ULBs. Separate bins are being provided to residents for source segregation by ULBs. The segregated wastes collected thereafter are being taken to the landfill where degradable items are being used for composting and non-degradable items are being recycled through scrap dealers and remaining inert waste are disposed at landfill. Gangtok

installed by the ULB. MSW from south and west districts is a scientific landfill under construction at Sipsu in West district.	Nagar Panchayat, a ic Waste Converte	

c. Natural Resources

The state is bestowed with abundant a natural resource that makes Sikkim a biodiversity hotspot and the UNESCO World Heritage Site. Forest is one of the richest natural resources of Sikkim and forestry is the major land use in the state of Sikkim. Sikkim is rich in biodiversity and is endowed with 26% of flowering plants found in the country i.e., over 4500 flowering species of which more than 400 are identified medicinal plants, 500 orchid varieties, 450 species of trees of which 11 species are Oak, and 39 species of Rhododendron. Sikkim has 150 species of mammals, 550 species of birds, 650 species of butterflies and moths. Of these 19 species of mammals, 11 species of birds and 65 species of plants are threatened and endangered. Conservation of these species and their habitat warrants special attention in the State, especially in the context of climate change. About 72% of the Indian species of Rhododendrons are found here and hence Sikkim is called the cradle of Indian Rhododendrons. Sikkim also harbors an enormous amount of medicinal and rare, endemic and threatened (RET) species from the humid river valleys to the cold trans-Himalayan regions. Being rich in biodiversity, Sikkim also has cultivated cash crops, such as the medicinal plants which are indigenous to this region, exotic orchids, the Sikkim big cardamom, Sikkim mandarin, and livestock products such as milk and cheese. Changes in climate pose a threat to the production and productivity of these cash crops and livestock products, which are significant from the point of view of the livelihoods it provides to the people. Livestock sector in the state also contributes towards high income generation along with the agriculture contributing about 15.36% of the total geographical area of the state. Fisheries are important areas of natural economic activity enabling the rural people to derive an additional income to improve the livelihood.

Other resources are water resources, human resources, livestock resources, hydro-electric potential, tourism, agricultural, horticulture etc. In forest, non-wood forest produce has a vast potential like sand, boulders and other materials. Under economic geology the minerals like copper, iron, lime, dolomite/limestone, coal, quartzite and tale, silicate & graphite are available in the state. Garnet is abundant in the gneiss and mica schists at places. Large cardamoms production is very high in the state. The basic information on various natural resources is either not available or if available it is not adequate and up to date. There is a vast potential for hydro-electric power generation. Tourism development deserves consideration to add to the economy of the region.

Sikkim has a wide network of stream and rivers which are well distributed throughout the state. Ratey Chu is a river in Sikkim that is the main source of water for the state capital, Gangtok. Ratey Chu emerges from the glacier-fed lake Tamze at an elevation of 3,800 metres (12,500 ft) above sea level. Ratey Chu is tapped for drinking water at an elevation of 2,500 metres (8,200 ft). From this tapping point or water supply head work, water is transported for 17 kilometres (11 mi) to the Selep Water Treatment Plant site. The Rangeet and Teesta rivers are the main channels of drainage originating from Zemu glacier in the north and Rathong glacier in the north respectively. Rangeet joins the Teesta River in the south and forms tributaries of Hongbo chu, Poke chu, Umran chu, Dikchu, Rangphap chu, Rongni chu and Rongpo chu. River Teesta flows from north to south. River Rangeet originates from Rathong Glacier which also flows north to south and then after west to east direction. Kayam chhu, Rongdung chhu, Relli chhu, Rathang chhu, Kalej khola, Rishi khola, Ramam khola are the important tributaries of river Rangeet. The river Rangeet with its deep green and crystal-clear water gushes in and meets the forceful mountain stream Teesta at a point called Triveni

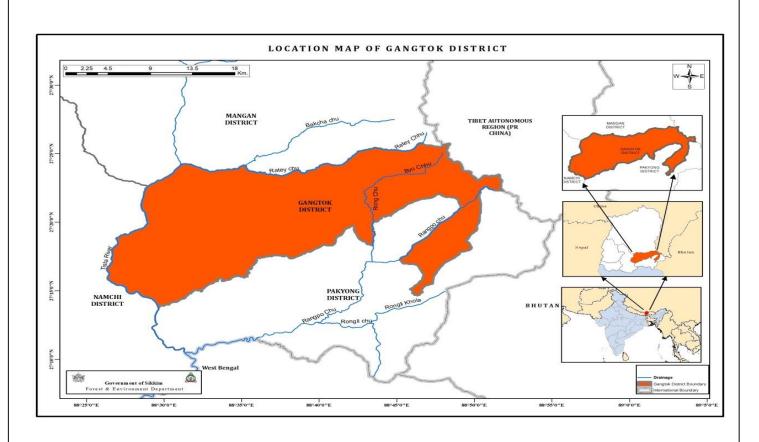
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			8		

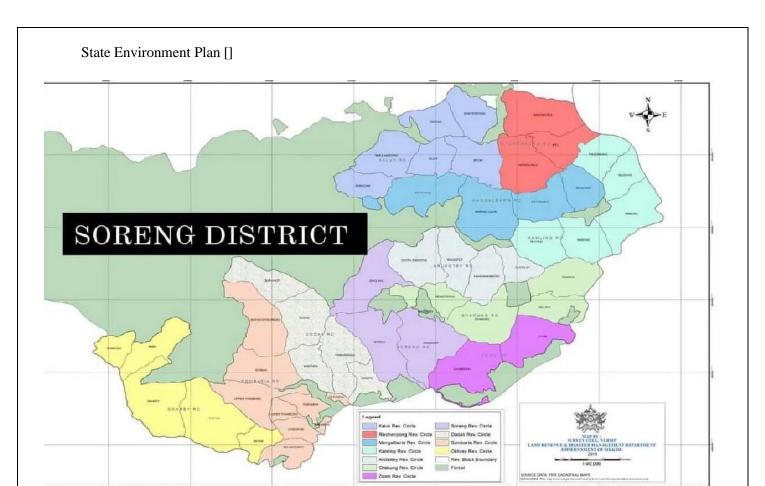
State Environment Plan []

d. Geography and Demography

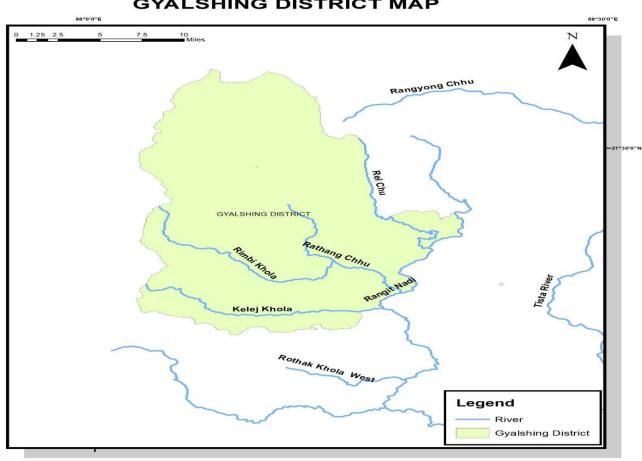
Distribution of population in rural and urban areas

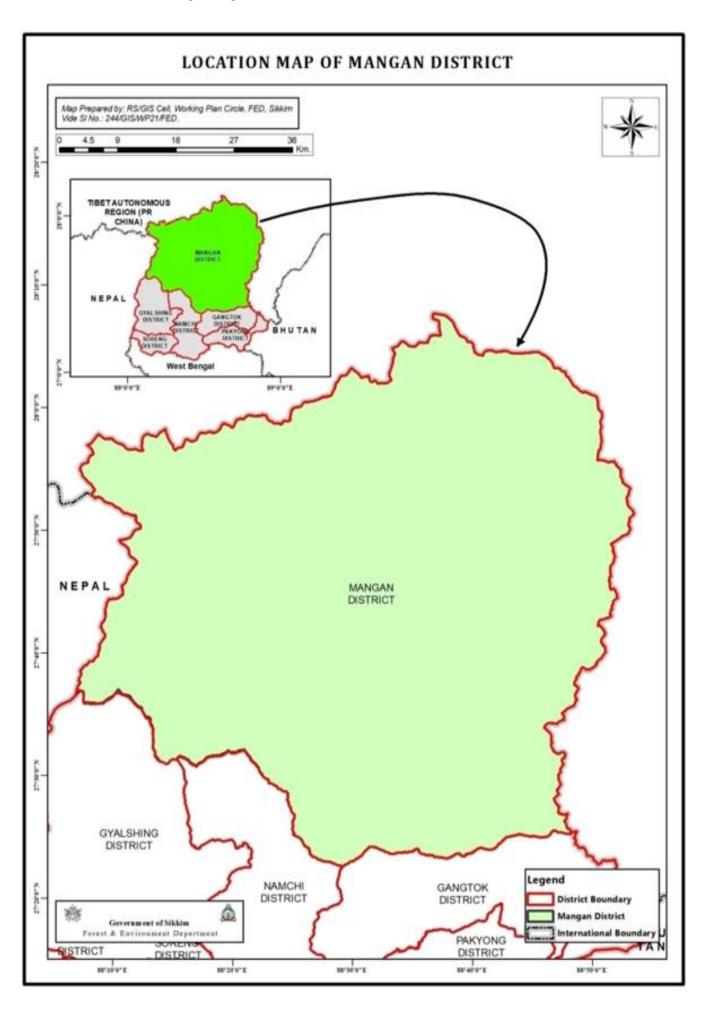
	Table below shows decadal change in population for Sikkim							
S.No.		Gangtok	Pakyong	Mangan	Namchi	Soreng	Gyalshing	Total
1.	Area	954 Sq/Km	404 Sq/Km	4226	750	293.2	-	7096
			-	Sq/Km	Sq/Km	Sq/Km		Sq/Km
2.	Population	283583	74583	43709	146850	64760	71675	685160
3.	Rural	-	-	39065	125651	63525	-	228241
	Population							
4.	Urban	-	-	4644	21199	1235	-	27078
	Population							
5.	Decadal Growth	-	-	-	-	10.69%	-	-
	Rate							
6.	Decadal	-	-	-	-	187.72%	-	-
	Variation in							
	Urban							
	Population							
7.	Decadal	-	-	-	-	8.03%	-	-
	Variation in							
	Rural							
	Population	0=0				ļ		
8.	Sex Ratio	872	-	767	915	971	-	-
		females for		females	females	females		
		every 1000		for every	for every	for every		
		males		1000	1000	1000		
	Scheduled			males	males	males		
9.	Caste	-	-	982	-	2544	-	-
	Population							
10			_	28715	l _	25970	 	-
10.	Population	-	_	20/10	-	25910	-	-
11		84.67%	69.86%	78.01%	81.4%	77.68%	1-	-
[1]	Literacy Rate	04.07%	09.00%	10.01%	01.4%	11.00%	-	-



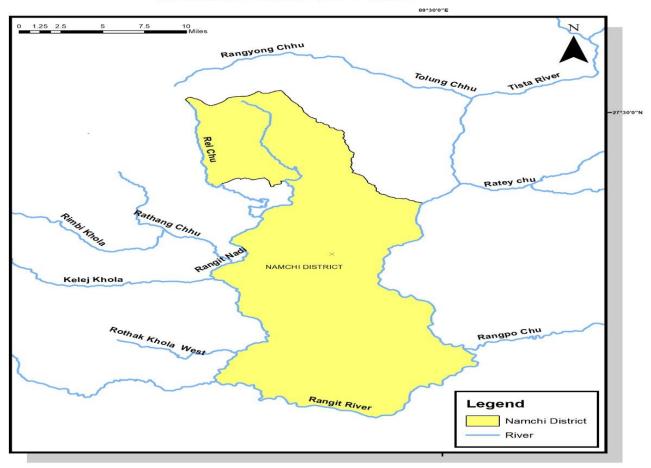


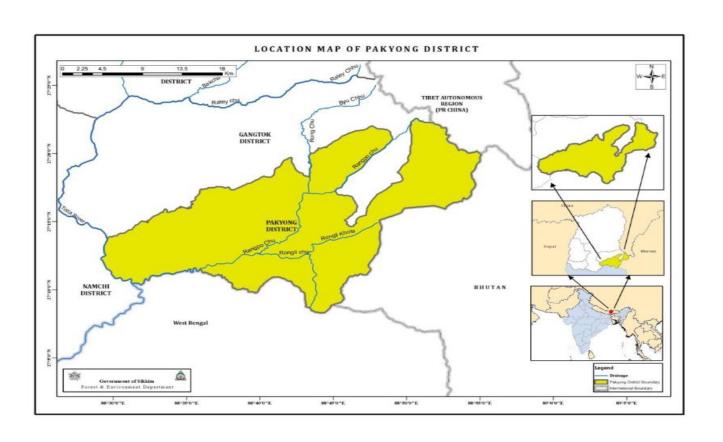
GYALSHING DISTRICT MAP





NAMCHI DISTRICT MAP



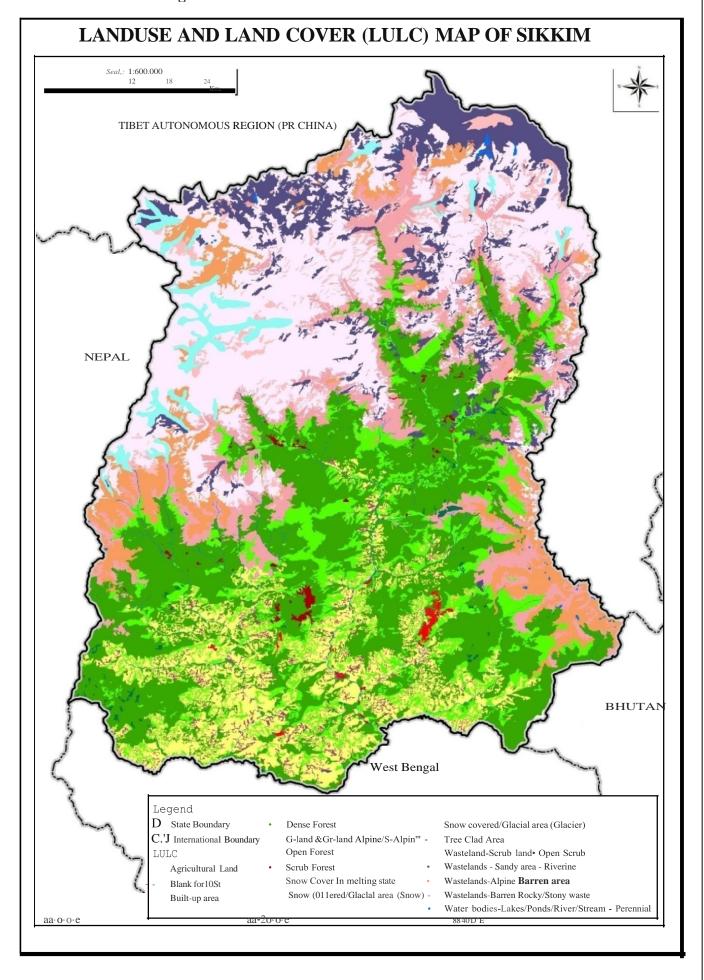


e. Land-use Pattern

Majority of the land of Sikkim is under forest cover and nearly 82.31% of the geographical area of the state is under the administrative control of the State Forest Department. The forest cover of the state is 47.62% of the total geographical area of the state (82.31%). The Protected area network of the state constitutes about 30.77% of the total geographical area with Khangchendzonga National Park (KNP) and Khangchendzonga Biosphere Reserve (KBR), and 7 Protected Areas of Shingba Rhododendron Sanctuary, Barsey Rhododendron Sanctuary, FambongLho Wildlife Sanctuary, Maenam Wildlife Sanctuary, Pangolakha Wildlife Sanctuary, Kitam Bird Sanctuary and Kyongnosla Alpine Sanctuary. An orchid conservation zone at Tinkitam has been declared as the Sling Dong Fairrieanum Orchid Conservation Reserve for the conservation of a rare Lady's Slipper orchid Paphiopedilum fairrieanum. Agriculture is the primary activity of the people of Sikkim and thus forms the major economy of the state. About 15.36% of the total geographical area of the land is utilized for agriculture. Sikkim accounts for the largest share of cardamom production in India and has the major tourist spots in the north- eastern region of India.

f. Climate, Rainfall and Temperature

The climate of Sikkim is extremely varied largely due to altitudinal variation. The topography of Sikkim thus ranges from low belt (tropical climatic zone) up to high alpine belt (Trans-Himalayan climatic zone). Because of this great variation in landscape, Sikkim experiences a diverse range of rainfall and temperature. Low temperature, high rainfall on windward slopes, comparatively dry on the leeward side and heavy precipitation in the form of snow at the mountain top are the main features of the climate. The monsoon winds dominate the climate and thus experiences seasonal climatic conditions resulting in four seasons prevalent on the basis of the monsoon circulation over the state: 1. The cold weather season - December to February; 2. The spring weather season - March to May; 3. The south-west monsoon - June to September; 4. The period of retreating monsoon -October to November. The mean annual rainfall of Sikkim varies from 2000 mm. to 4000 mm. with intensity of rain from drizzling showers in lower altitude to torrential rains in higher altitude. There are two maximum rainfall areas (i) South-East region and (ii) South-West region. The annual rainfall of Sikkim is 2739 mm. The temperature varies with the altitude and slope aspect. The mean temperature in the lower altitudinal zone, it varies from 1.5 degree centigrade to 9.5 degree centigrade. The maximum temperature is usually recorded during July-August which varies from 21⁰ Celsius to 26⁰ Celsius and minimum during December-January between 6⁰ Celsius and 8⁰ Celsius. Climatic factors are influenced by altitude.



2.0 Action Plans for complying with Waste Management Rules

(i) Solid Waste Management

(a) Current Status related to Solid Waste Management

S.No.	Name of ULB	Population (2011 census)	Solid waste generated (TPD)
	G	Sangtok	
1.	Gangtok Municipal Corporation	100286	48
2.	Singtam Nagar Panchayat	5868	2.7
	P	akyong	
3.	Rangpo Nagar Panchayat	10450	4.8
	N	/langan	
4.	Mangan Nagar Panchayat	4644	0.95
	N	Namchi	
5.	Namchi Municipal Corporation	12190	4.8
6.	Jorethang Nagar Panchayat	10244	5.6
	Gy	yalshing	
7.	Gyalshing Nagar Panchayat	4013	2.0
		Soreng	
-	-	-	-

S.No.	Local Bodies	No. of Village Panchayats/ Blocks					
	Gangtok						
1.	Block/Taluk/Mandal Tehsils	64					
2.	Village/Gram Panchayats	51					
	Pa	akyong					
3.	Block/Taluk/Mandal Tehsils	5					
4.	Village/Gram Panchayats	27					
		langan					
5.	Block/Taluk/Mandal Tehsils	4					
6.	Village/Gram Panchayats	26					
	N	lamchi					
7.	Block/Taluk/Mandal Tehsils	8					
8.	Village/Gram Panchayats	150					
	S	Soreng					
9.	Block/Taluk/Mandal Tehsils	6					
10.	Village/Gram Panchayats	200/36					
	Gy	valshing					
11.	Block/Taluk/Mandal Tehsils	-					
12.	Village/Gram Panchayats	-					

(b) Identification of Gaps and Action Plan:

S. No	Action points for villages / blocks/ town municipalitie s / City corporations	Action Plan	Responsible agencies	Timeline for completi on of action plan
1.	Segregation			
i)	Segregation of waste at source	 Increase in frequency of garbage collection should be done for all districts Extensive outreach programme is being conducted by UDD, GoS to generate awareness of public of segregation of solid waste into bio degradable, non-biodegradable and domestic hazardous waste in all the districts. Notice regarding compulsory source segregation has been issued by the office of Chief secretary vid Ref.No.133/CS/SKM/20 22 dated 30/11/2022 Awareness campaigns were organized for behavioral change including "Swachha Mashaal March" and "Safai Abhyan" Selfhelp groups are being involved in awareness campaigns for all districts The UDD has conducted awareness programs on inclusion of domestic hazardous waste & its segregation in separate 	Urban Development Department, Rural Development Department, District Administrati on, Block Administrati ve Centres, Gram Panchayat Units.	2025 onwards

Sta	te Environment Plan [Sikkim]			
			bins. Blue and green colored bins have been provided to segregate dry and wet waste is being done in all the districts		
		6.	Segregation area for waste management to be allotted for all ULBs & RLBs.		
		7.	To reduce the generation of waste hotels/ resorts/ restaurants are directed by ULBs in trade license to utilize their food waste as animal feed in local community.		
2.	Sweeping				
i)	Manual Sweeping	2	Sweeping schedule to be determine by the ULBs and initiated accordingly in <i>Exterior</i> : parks, gardens, religious places and <i>Interior</i> : laboratories, office buildings, complexes. Strict regulation on the workers to be framed for following the waste management procedures at source keeping in mind their own health and also to avoid dust pollution.	Urban Development Department, Rural Development Department, District Administrati on, Block Administrati ve Centres, Gram Panchayat Units.	2025
		3	PPE suits, goggles, gloves, boots etc. to be provided to all manual workers to ensure a healthy environment and proper health checkups to be done routinely to check for any profession related health risks. Increase in man power in all districts		

State Environment Plan [S	ikkim]		
ii) Mechanical Road Sweeping& Collection	 Mechanical sweeping and collection machines /equipment should be implemented in all 6 districts. Due to rapid urbanization, great demand for building materials have arisen in the urban areas causing greater Solid waste particle problems, which could be addressed by Mechanical cleaning. 	Urban Development Department/ DAC	2025
3. Waste Collection		·	
i) 100% collection of solid waste	1. Providing eco- friendly/conventional composting bin system for wet waste and maintaining them in hygienic manner. 2. Aerobic bins for organic waste. 3. 100% collection of solid waste from household to be achieved 4. Rural areas also to practice cent percent waste collection in all districts. 5. Total of 335 waste segregation sheds, 33 RRCs and 16 plastic waste management waste have been constructed by RDD, Govt. of Sikkim. 6. Composting is highly suitable in rural areas for waste management ,340 community compost pits have been	Urban Development Department, Rural Development Department, District Administrati on, Block Administrati ve Centres, Gram Panchayat Units.	2025

Stat	e Environment Plan [Sikk			
		for the same. 7. The RDD has further proposed to construct 1,116 individual & 2,870 community compost pits in the state.		
ii)	Arrangement for door collection	 Planning to install huge bins and identify to those uncovered areas. Awareness at grassroots level. Door to door collection is carried out by Swachha Grahis at GPU level in Pakyong district. In order to increase the frequency of waste collection on daily basis, resource to be mobilized by deploying adequate vehicles and man power. Garbage fees are made mandatory for all waste generators under Rule 4(3) of the SWM Rules, 2016 & byelaws of the UDD Minimization of waste circulate pamphlets to citizen to generate public awareness on the necessity of door to door collection is to be done more frequently. 	Urban Development Department, Rural Development Department, District Administrati on, Block Administrati ve Centres, Gram Panchayat Units.	Continuou s process
iii)	Waste Collection trolleys with separate compartments	 At least 10 Nos of waste collection trolleys are required for Pakyong district. Required 10 Nos for Gangtok and 3 Nos for Singtam. Need for upgradation in Mangan district. 4 Nos of garbage collection trucks are available and 5 Nos are available in rural areas in Soreng district. Need for upgradation in the district. 	Urban Development Department, Rural Development Department, District Administrati on, Block Administrati ve Centers, Gram Panchayat Units.	2025

State I	Environment Plan [Sikkin	n]		
		5. 5 Nos are available in the Geyzing district. Requirement for more in the district.6. To be procured for all districts.		
iv)	Mini Collection Trucks with separate compartments	 No Mini Collection trucks is available in all districts. Required 5 Nos for Gangtok and 1 No for Singtam. To be procured for all districts. Procurement list has been submitted to UDD, GOS and need to get update on it. 	Urban Development Department, Rural Development Department, District Administrati on, Block Administrati ve Centers, Gram Panchayat Units.	2025
v)	Waste Deposition Centres (for domestic hazardous wastes)	 Domestic hazardous wastes to be designated in all the districts in consultation with Urban Development Department. Awareness for e-waste & hazardous waste should be generated to the public mandated by District authorities. Authorized agency for DHW collection to be assigned in the district in consultation with SPCB. Collection and deposition through authorized agency to facilitate collection of domestic hazardous waste hence reducing the chances of hazardous wastes ending up in landfills. Plastic waste management units are 	State pollution Control Board, Urban Development Department, Rural Development Department, District Administrati on, Block Administrati ve Centers, Gram Panchayat Units.	2026

Sta	te Environment Plan [Sik	being proposed for all block in Mangan district. 6. Domestic hazardous waste deposition center by installing black container with marking to be setup at Soreng district HQ and Sipchu landfill site.		
4.	Waste Transport			
i)	Review existing infrastructure for waste Transport.	At least 2-3 mini collection trucks, waste trolleys and bulk waste trucks to be procured for each districts for waste collection.	Urban Development Department, RDD, District Administrati on, Block Administrati ve Centres, Gram Panchayat Units.	2025
ii)	Bulk Waste Trucks	 Bulk waste collection to be regularized in urban areas. Biodegradable waste can also b used as manure for plantation during the plantation season by concerned departments. Such manure produced by local can be utilized through proper regulated markets. Adequate numbers of trucks to be maintained in each districts. Most of local vegetable market/Bazaar/Mandis leftovers are collected by local people as 	Urban Development Department, Rural Development Department, Silviculture Sector under Forest Department, District Administrati on, Block Administrati ve Centers, Gram Panchayat Units.	2025

State	Environment Plan [Sikh	cim]		
		animal feed which is to be encouraged for all districts 6. Procurement of more trucks in all the districts as per requirements.		
iii)	Waste Transfer Points	 Segregated waste to be deposited by carriers directly at their designated sites. Currently, all waste is directly transferred to Waste Processing Facility in all districts. Site to be identified near towns and market areas. 	Urban Development Department, Rural Development Department, District Administrati on, Block Administrati ve Centres, Gram Panchayat Units	Continuou s process
5.	Waste Treatment a	and Disposal	Omes	
i)	Wet-waste Management: On- site composting by bulk waste generators (Authority may decide on requirement as per Rules)	 In case of unavailability of land, dispose of as per the direction of ULBs from time to time. Compost plant of capacity 1 TPD has been installed in Lal Bazaar (Vegetable market) in Gangtok, which can be replicated in all vegetable markets of different districts. Compost plant of capacity 25kg has been installed in Mangan. Organic waste composter machine to be made available in all districts. On-site composting and packaging to be done. Most of the bulk waste generated from local 	State Pollution Control Board, Urban Development Department, Rural Development Department, District Administrati on, Block Administrati ve Centres, Gram Panchayat Units.	2026

State I	Environment Plan [Sikkii	m]			
		7.	vegetable market/Bazaar/Mandis leftovers are collected by local people as animal feed in Soreng district. Shall be installed, if necessary, after survey and identification in all districts. Installation of Excel Bio Turn machine to be done in all districts.		
ii)	Wet-waste Management: Facility(ies) for central Bio- methanation / Composting of wets waste.	 3. 4. 5. 	Specified in the action plan. Under SBM(G) Mission Phase II all 32 blocks of the state is under the process of setting up community compost pits 2,870 community compost pits and 1,116 individuals compost pits are proposed for construction in the state.340 community compost pits have been constructed. Bio-methanation plants are available at 32 no. Martam & Geyzing for the state. Included in proposal for SWM facility area selected for the facility in Mangan has been damaged by Flash Flood. A mandatory policy to adopt composting wet waste at household level rather than depositing them in landfills in all districts. This will be strategy to reduce waste deposition at landfills and also alternate source of energy can be explored.	Urban Development Department, Rural Development Department, District Administrati on, Block Administrati ve Centres.	2026

iii) Dr	onment Plan [Sikkim]				
		1.	All district to install	Labour	Continuou
Ma	anagement:		Dry-Waste	Department,	s process
Ma	aterial		Management; Material	Urban	
Re	covery for		Recovery for dry- waste	Development	
dry	y-waste		fraction.	Department,	
frae	ction	2.	Attachment of	Rural	
			kabbadiwallas to	Development	
			Labour department with	Department,	
			proper registration and	District	
			identification to	Administrati	
			improve their job	on, Block	
			profile.	Administrati	
		3.	In addition to RRC and	ve Centres,	
			RDF, systematic	Gram	
			centers for	Panchayat	
			kabbadiwallas could be	Units.	
			setup at local level	Omes.	
			before transporting		
			them to deposition		
			centers.		
		4.	Maintenance of		
		•	systematic and		
			authentic/regular data		
			on waste generation and		
			its composition.		
		5.	Plastic waste		
			management units and		
			resource recovery		
			centers has been		
			constructed at block		
			level in order to manage		
			dry waste in Pakyong district, which could be		
			a feature mandated for		
			all districts.9		
		6.	Recyclable wastes are		
			sent to West Bengal		
			from Martam WPF.		
	· ·	7.	The RDD has selected 2		
			divisions in the district		
			and 4 GPUs (Samlik Marchak & Martam		
			Nazitam) as model		
			villages for compliance		
			to the directions of		
			hon'ble NGT in the		
			matter of 606/2018.		
			Setting up of RRC in all		
			blocks in under process.		
			Selection of RDF firms for the state is under		
			process by UDD Govt.		
			Of Sikkim.		
		8.	The RDD has selected 2		
			divisions in Namchi		
			district and 4 GPUs		

State Environment Plan [Sikkim]	
	(Namthang Sumbuk
	Sikkip and Yangang) as
	model villages for
	compliance to the
	direction of hon'ble
	NGT in the matter of
	606/2018. Setting up of
	RRC in all blocks in
	under process. Selection
	of RDF firms for the
	state is under process by
	UDD Govt. Of Sikkim.
9.	
	divisions in Geyzing
	and Soreng district and
	4 GPUs (Dentam
	Geyzing Mangalbarey
	& Soreng) as model
	villages for compliance
	to the directions of
	hon'ble NGT in the
	matter of 606/2018.
	Setting up of RRC in all
	blocks in under process.
	Selection of RDF firms
	for the state is under
	process by UDD Govt.
	Of Sikkim.
10	0. Included in the proposal
	for SWM Facility the
	area selected in Mangan
	has been damaged by
	flash flood.
	1. 33 RCCs 16 PWM units
	,335 waste segregation
	sheds & 340 community
	compost pits have been
	constructed by RDD
	Govt. of Sikkim.

	nvironment Plan [Sikkir	<i>n</i>]			In a a
iv)	Disposal of	1.	3	State	2026
	inert and non-		at 32 mile for all district.	Pollution	
	recyclable	2.	Dumpsite located at	Control	
	wastes:		Sipsu. Currently the State	Board,	
	Sanitary		Government is under	Urban	
	Landfill		process to convert the	Development	
			same into a sanitary	Department,	
			landfill facility in West	Rural	
			district.	Development	
		3	Restoration of dumpsite	Department,	
		٥.	depending on the volume	District	
			of waste generated.	Administrati	
		4.	•		
		4.	options like RDF and	on.	
			•		
			Waste to Energy to be		
			explored and		
			implemented as		
			applicable.		
		5.	Enabling early use of		
			land with a semi-aerobic		
			landfill structure		
			(Compared to anaerobic		
			landfill, the semi-aerobic		
			landfill technology		
			quickly stabilizes landfill		
			sites after the land has		
			completed its role as		
			landfill, enabling it to be		
			used for parks		
			and open space for		
			sports).		
		6.	m		
			divisions in Namchi		
			district and 4 GPUs		
			(Namthang, Sumbuk,		
			Sikkip & Yangang) as		
			model villages for		
			compliance to the directions of hon'ble		
			NGT in the matter of		
			606/2018. Construction		
			of RRC in all 32 blocks		
			in the state is under		
			process.		
		7.	Included in proposal for		
			SWM facility soon to be		
			developed in Mangan		
			district. Awaiting for		
			review report from		
			SEIAA Sanitary landfill		
			for Mangan district was designated at Ringdang,		
			below Singhik. The		
			proposed project		
			construction is yet tostart.		
	<u> </u>		tonou action to jet tobuit.		

State I	Environment Plan [<i>Sikkir</i>				
v)	Remediation of	1.	Formal contract	Forest &	Continuou
	historic /		agreement for the	Environment	s Process
	legacy		execution of bio-mining	Department,	
	dumpsite		of legacy waste at	Urban	
	1		Martam landfill at an	Development	
			estimated cost of Rs.	Department.	
			22.00 crore has been	Department.	
			concluded with M/s		
			Greentech Environ		
			Management Pvt. Ltd.		
			and GNS Builders-		
			Gangtok (Joint venture)		
			on 18.10.2023 and work		
		2	has commenced.		
		2.	Bio-methanation plant of		
			capacity 5MT per day		
			has been commissioned		
		2	at Martam.		
		3.	Selection of biomining		
			firm for remediation		
			under process at Namchi		
		4	& Geyzing district.		
		4.			
			constructed in Mangan district.		
		5	Shall be taken up when		
		5.	the common solid waste		
			treatment and		
			management facility		
			comprising of sanitary		
			landfill shall be		
			constructed at the		
			existing dumpsite in		
			Soreng district.		
		6	Phytoremediation to be		
		0.	initiated/ explored.		
		7.	-		
		7.	-		
			by plantation of natural		
			or planted vegetation on		
			landfill sites has an		
			important role in erosion		
			control and removal of		
			contaminants, and may		
			also be used in leaching		
			treatment.		
		8.	Afterlife of sanitary		
			landfills to be converted		
			into usable facilities like		
			parks, gardens and open		
			space for sports.		
		9.	NGOs in the districts to		
		٠.	be involved		

	e Environment Plan [Sikk	
vi)	Involvement of NGOs	1. Local NGOs such as Voyage Sikkim has been granted NOC by SPCB for collection of plastic waste on household level in Gangtok area. 2. NGOs has also been involved in survey of Urban areas for data generation to ensure phasing out of SUPs. 3. Planning to envisage NGOs for campaigning SWM should be made more frequently in all districts. 4. NGOs are also involved in cleaning public places or in any Swachhata activities. 5. Sri Satya Sai organization, Pragati Sangh for IEC activities at Soreng. SAGs and community organizations are involved in IEC activities in NJNP. 6. NGOs such as Khangchendzonga conservation community have been involved with assisting the department of Forest and Environmental department, Development Department, Department, Development Department, Development Department, Development Department, Administrati on.
vii)	EPR of Producers: Linkage with Producers /Brand Owners	1. The SPCB Sikkim has initiated registration of single use plastic manufacturers and producers in the state as per the new SOP prepared by the CPCB. 2. Licensing authorities have been directed to prepare inventory of brand owners of Continuou s process Development Department, District Administrati on, Block

State Environment Plan [Sik	kim]		
	authorized dealers. Many producers have approached GMC for implementation of EPR. 3. SPCB coordinating with all industries in the state to facilitate ULB for plastic collection. 4. Producers/Distributors to be sensitized on waste generation issues of the district and extend EPR 5. Based on data from SPCB, the district major Producer/Distributors/Br and owners of the district to be identified and EPR to be assigned accordingly by UDD/Municipal Corporations.	Administrati ve Centres, State Pollution Control Board- Sikkim.	
viii Authorization of Waste Pickers	 Registration done by ULBs for those working in Martam WPF. Information available with MEO, Geyzing, Nayabazaar Jorethang and Namchi. It is initiated and shall be authorized by ULB level in Mangan district. Informal garbage vehicle workers monthly honorarium basis. Not formally integrated in the organization in Soreng district. Proper sanitary facilities to be provided to all waste pickers. Regulation of job profile and schedule of jobs to be done. Awareness and Sensitization. Waste / rag pickers to work in association with NGOs 	Urban Development Department, Rural Development Department, Block Administrati ve Centres	2025

State	e Environment Plan [Sikkim]]		
ix)	Preparation of own by-laws to comply with SWM Rules 2016	Prepared and Notified vide Govt. of Sikkim Gazette notification no. 5/UD&HD dated 29.04.2019	Urban Development Department & Rural Development Department	In progress
			Forest & Environment Department,	

(ii) Plastic Waste Management

$(a) Current\ Status\ related\ to\ Plastic\ Waste\ Management$

S.No.	Name of ULB	Population (2011 census)	Plastic waste generated (TPA)
	G	angtok	
1.	Gangtok Municipal Corporation	100286	37.5
2.	Singtam Nagar Panchayat	5868	1.4
	Pa	akyong	
3.	Rangpo Nagar Panchayat	10450	28
	N	langan	
4.	Mangan Nagar Panchayat	4644	5.0
	N	lamchi	
5.	Namchi Municipal Corporation	12190	6.94
6.	Nayabazar Jorethang Nagar Panchayat	10244	4.4
	Gy	/alshing	
7.	Gyalshing Nagar Panchayat	4013	1.4
	S	Soreng	
-	-	-	-

(b) Identification of Gaps and Action Plan:

S.No	Action points for village panchayats/blocks /municipalities/co rporations	Action Plan	Agencies Responsible	Target time for compliance
1.	Door to door collection of dry waste including Plastic Waste (PW)	 All recyclable plastic is sent to West Bengal as no recycling facility is available in the state. The Govt of Sikkim vide Gazette notification no. 145 dated 8th of July 1998 amended the Sikkim trade license and miscellaneous provision rule 1985 wherein the use of plastic wrappers or bags for purchase of any goods or materials was prohibited. The Govt of Sikkim vide notification no.25/Home/2016 dated 19/05/2016 	Urban Developm ent Departme nt, Rural Developm ent Departme nt, District Administr ation, Block Administr ative Centres, Gram Panchayat Units	Continuous process

State Environment Plan [Sikkim]	
	directed that the
	packaged drinking
	water bottles may not
	be used in any Govt
	Meetings/Functions in
	order to reduce plastic
	waste'
	4. The Govt of Sikkim
	vide notification
	no.26/Home/2016
	dated 19/05/2016
	announced the ban on
	sale and use of
	disposable items made
	from Styrofoam
	throughout the state
	keeping in view its
	various ill effects to
	environment and
	human health.
	5. The Govt of Sikkim
	vide notification No.
	S.O. 152 (E) dated
	10 th February 1988
	read with Rule 4 of
	the Environment
	(Protection) Act,
	Rules, 1986, The state
	Government imposes
	ban of use,
	manufacture, import
	and sale of plastic
	water bottles of
	capacity 2 litres and
	below w.e.f. 1st
	January 2022 in the
	state of Sikkim. This
	is in supersession of
	Notification No.
	25/Home/2016 Dated
	19/05/2016
	6. To reduce the use of
	packaged water
	bottles, 3 water
	kiosks with storage
	tanks of 2000ltrs and
	500ltrs has been
	installed at M.G
	Marg, Gangtok. (As
	per PHE Department
	Annexure – A)

State Environment Plan [.			1
	 Swachhagrahis, waste pickers and households themselves are available to collect waste generated from households in all districts. Awareness regarding segregation and collection of plastic waste at source extremely necessary. Collection of PW once a week door-to-door. Or collection through kerbside collection. Involvement of NGOs could be explored. 		
2. Facilitate organised collection of PW a Waste Transfer Point or Material Recovery Facility	 Plastic waste collection centers to be established in every district. PW to be utilized / recycled extensively in road construction, building constructions, household goods, etc. Plastic Recycling plants to be established in every district. Creation of Smart District App. to locate the nearest collection point. Installation of aerobic bins for waste treatment. Creation of sufficient domestic markets for more recyclable materials. Assistance and support to the households on waste treatment at source. Notifications banning 	State pollution control board, Forest & Environment Department, Urban Development Department, Rural Development Department, District Administration, Block Administrative Centres, Gram Panchayat Units	2025

Stat	e Environment Plan [Sik	kiml		
Stat		plastic usage across		
		different items have		
		been effective in the		
		state (Notification		
		enclosed).		
		9. SPCBs/PCCs should		
		develop laboratory		
		facility for testing of		
		thickness of plastic		
		carry bags and plastic		
		materials in the		
		sachets/pouches.		
		•		
		10. Plastic recycling rates		
		to be increased.		
		11. Ban on burning of		
		tires and plastic waste		
		has been notified.		
		12. Ban on use of		
		packaged drinking		
		water of 2 liters and		
		below in the state		
		have been notified.		
		13. Ban on Sale and Use		
		of Styrofoam		
		products/cutlery has		
		been notified.		
		14. 3 Plastic Waste		
		Management Units		
		Functional at		
		Pakyong district at		
		location BAC		
		Premises (Rhenock		
		Block), BAC		
		Premises (Parakha		
		,		
		Block) & Lingtam		
		Phadamchen (Reghu		
		Block)		
		15. 1 PWM unit		
		functional at Gangtok		
		district at location		
		BAC premises		
		(Rakdong Tintek		
		Block)		
		16. 6 PWM units under		
		construction in both		
		Pakyong and Gangtok district. (As per RDD,		
		Annexure -B)		
		17. Site for transfer station		
		at district HQ to be		
		identified in Soreng		
		district		
3.	PW Collection	1. 2 nos. of PET bottle	State pollution	2025
	Centres	shredding machine	control board,	
-		34		

State Environment Plan [Sikkim]		
	are being installed in	Urban
	MG Marg.	Development
	. 1 no. of PET bottle	Department,
	shredding machine is	Rural
	being installed at	Development
	Namchi taxi stand.	Department
	. 1 no. of PET bottle	
	shredding machine is	
	being installed at the	
	main highway at	
	Rangpo Bazaar.	
	. 1 no. of PET bottle	
	shredding machine is	
	being installed at	
	Jorethang near Taxi	
	parking plaza.	
	. 6 nos. of Bailing	
	Machine are	
	delivered in all ULBs	
	which are being	
	installed in the above	
	mentioned MRFs	
	manage their dry	
	waste by reducing	
	their volume &	
	making it easier for	
	ULBs to transport to	
	the recyclers	
	. PW collection center	
	to be installed by	
	brand owners under	
	EPR assignment by	
	DAC/SPCB, thereby,	
	•	
	providing	
	employment	
	opportunities Innovative schemes	
	of Zero- waste system	
	to be improvised such as local Zero-waste	
	shopping service,	
	incentivize	
	. Deposit-refund	
	schemes (DRS) to be	
	enacted by EPR.	
	. The SPCB-Sikkim has initiated	
	registration of single	
	use plastic	
	manufacturers and	
	producers in the state	
	as per the new SOP	
	- p	<u> </u>

State Environment Plan [Si			
	prepared by CPCB. 10 Licensing authorities have been directed to prepare inventory of brand owners of authorized dealers in order to implement the provisions of Rule 9 i.e. Responsibilities of producers, Manufacturers and Brand Owners under the Plastic Waste Management Rules, 2016. 11. SPCB is coordinating with all industries in the state to facilitate ULBs for plastic collection.		
4. Awareness and Education Program Implementation	1. Create awareness among all stakeholders about their responsibilities including house holders or owners or occupiers. 2. Community campaign to be initiated by the environment sector of the Forest Department. 3. Use of banned plastic items still observed within the State, strict regulatory orders to be issued against it by authorities. 4. Improved Zerowaste system to be strictly followed in the tourist destination spots. 5. Intensive research in the state regarding plastic waste, its effect and its mechanism to be implemented on scientific level.	State pollution control board, Forest & Environment Department, Urban Development Department, Rural Development Department, District Administration, Block Administrative Centres, Gram Panchayat Units	Continuous process

Stat	e Environment Plan [Sik	kim]		
		6. All education institutes (Schools, Colleges, etc.), GPUs to be involved in the awareness program of the various departments. 7. Conducted by SPCB Sikkim in coordination with UDD, RDD, MSME, Krishi Vigyan Kendra and District Authorities. 8. Street plays has been conducted, videos and jingles has also been released by SPCB Sikkim for all districts. Inspection is being conducted by implementing agencies every week for verification of SUP ban in ULBs of all districts.		
5.	Access to plastic waste disposal facilities	 Recycling facility for plastic waste has not been set up in the state. 49.15 MT of plastic waste has been transported by Gangtok Municipal Corporation to Meghalaya for co- processing. 	State pollution control board, Urban Development Department, Rural Development Department	2026

(iii) C & D Waste Management

(a) Current Status related to C & D Waste Management

Details of Data Requirement	Present Status						
	Gangt	Pakyo	Mang	Namc	Soren	Gyalshi	
	ok	ng	an	hi	g	ng	
Total C & D waste generation in MT per day (As per data from Municipal Corporations/Municipal ities)	Not Availab le	Not Availabl e	Not Availa ble	Not Availa ble	Not Availabl e	Not Available	
Does the District have access to C & D waste recycling facility?	Not	Not	Not	Not	Not	Not	
	Availab	Availa	Availa	Availa	Availa	Availabl	
	le.	ble	ble	ble	ble	e	

S	Action points for blocks/town municipalities/City corporations	Action Plan	Responsibl e Agency	Time line for Com pletio n of actio n
1	Arrangement for separate collection of C&D waste to C&D waste deposition point.	 C& D waste deposition points to be earmarked by the Forest Department. Muck dumping sites to be notified for each district. 	Forest & Environ ment Departm ent.	20 25
2	Whether local authority have fixed user fee on C&D waste and introduced permission system for bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in month?	Forest & Environment Sector to levy fees on bulk waste generators who generate more than 20 tons or more in one day or 300 tons per project in month.	Forest & Environ ment Departm ent.	Conti nuous proce ss

	ate Environment Plan [Sikkim]	·		
3	C&D recycling	SPCB, UDD, GOS to	SPCB,	20
•	Facility	explore the need and plan	UDD,	25
		the C&D recycling	GOS	
		Facility in the state.		
4	Usage of recycled C&D waste in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads	 All Govt. Departments to explore avenues to use/recycle C&D wastes in non- structural concrete, paving blocks, lower layers of road pavements, colony and rural roads. Domestic/Household waste recycling can be regulated by UDD & SPWD, GoS. Usage/Recycling of C&D wastes in Projects/Companies established in the state to be made mandatory. Rules to be framed by UDD. Regulation to be followed up by 	UDD & SPWD, GOS Commer ce & Industries Dept	20 25
		Commerce & Industries Dept.		
5	ICE on C & D waste	1. Awareness programs	UDD,	Conti
•	management	to be conducted in all districts of the state on regular basis.	RDD, District Administ ration	nuous proce ss

(iv) Biomedical Waste Management

(a) Current Status related to Biomedical Waste

Inventory of BMW in the District		Quantity						
	Gangto k	Pakyo ng	Mangan	Namchi	Soreng	Gyalshi ng		
Total no. of Bedded Healthcare Facilities	7	5	6	8	4	5		
Total no. of non- bedded HCF	94	68	27	70	26	24		
No. of HCFs authorized by SPCBs/PCCs	207	123	32	55	30	25		
No. of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	nil	nil	nil	nil	nil	nil		
Capacity of CBWTFs	NA	NA	NA	NA	NA	NA		
No. of Deep burials for BMW if any	23 nos.	44 nos.	25 nos.	46 nos.	28 nos.	22 nos.		
Quantity of biomedical waste generated per day	367kg/ day	56 kg/da y	11 kg/day	104kg/ day	6kg/da y	42kg/d ay		
Quantity of biomedical waste treated per day	300 kg/day	30 kg/day	2 kg/day	78.169 Kg/day	11 kg/day	30.32 kg/day		

S I . N o .	Action points for blocks/tow n municipalit ies/City corporatio ns	Action Plan	Responsible Agency	Timeline for completi on of Action plan
1	Inventory and Identificati on of Healthcare Facilities	 Inventory has been prepared by SPCB and submitted to CPCB for all districts. Authorization and annual report are submitted every year by all HCFs under Mangan district to SPCB Gangtok, Sikkim. 	Department of Health & Family Welfare, State Pollution Control Board	Complete d (the same shall be updated in the future if any changes occur)
2 .	Adequacy of facilities to treat biomedical waste	 Primary Health Centres to be equipped to treat biomedical wastes within premises. Government should introduce new rules for the safe disposal and treatment of household sanitary wastes (like diapers and sanitary napkins) Appropriate policy and legal framework is necessary for the management of menstrual wastes. Proposal for acquiring land for construction of CBWTF has been initiated by Health & Family Welfare Department. 	Department of Health & Family Welfare, Department of Commerce & Industries SPCB – Sikkim	2026
3 .	Tracking of BMW	1. Common Bio Medical Waste Treatment Facility to be made operational in all districts. Currently, all BMW generated in HCFs undergo captive treatment within the facility itself. 2. The same to be extended to rural PHCs 3. Plan for implementation of bar code system by all HCFs and CBWTFs in Mangan district.	Department of Health & Family Welfare	2026

St	ate Environment Plan	[Sikkim]		
St. 4	Adequacy of funds	 Mass awareness and education about BMW at household and educational institutions required to ensure proper segregation of BMW including contagious wastes like COVID. Installation of BMW bins. Installation of incinerators or female hygiene bins at educational institution, public toilets, HCFs and community level. At household level, low-cost pre- marked sanitary disposal bags to be produced in bulk by the state and distribute to the GPUs for free and make available at markets at low cost. Involvement of NGO, pharmacist, private diagnostic centers. Capacity building, awareness and training has been conducted for all healthcare workers to ensure proper management of BMW in the HCFs including COVID19 waste. Funding to be done by the 	Department of Health & Family Welfare, SPCB – Sikkim	Continuo us process
	of funds	respective departments as the Action Plan assigns.	departments, Govt. of Sikkim.	us process
6	Compliance to Rules by HCFs and CBWTFs	Specified in Action plan	Department of Health & Family Welfare	Continuo us process
7	District Level Monitoring Committee	 Formation of the committee and advisory body notified by State Government. Periodicity of reviews and follow ups by DLMC (DLMC has been formed under district hospital Mangan). Every quarter there is meeting of DLMC. District Medical Superintendent (DMS) is the convener of DLMC 	Department of Health & Family Welfare	Continuo us process

		of BMW management.		
8	Waste water treatment	 Pre-feasibility reports for wastewater treatment plants are planned for Mangan and Geyzing-Pelling (*Source: PHED). Require Wastewater treatment plant (WTP) at other urban areas of every district. As establishment of pharmaceutical industries are rising and still more developments are underway, there will be a rise in population and so does demand for land use and 	Department of Health & Family Welfare, Public Health Engineering Department, Govt. of Sikkim	Continuou s Process
		water. Hence, there might be a need for STPs in the district and future management must be planned. 4. There is a liquid waste treatment system in place at all PHCs and District hospital Mangan to treat the waste water. 5. Health & Family Welfare Dept. has recently planned to establish ETP in all district hospital. All site inspection has been done and ETP will be set up in all district hospital in the state.		

(v) Hazardous Waste Management

(a) Current Status related to Hazardous Waste Management

Major source of hazardous waste (HW) is industries and facilities located in the districts, who are required to be regulated under Water (P&CP) Act 1974, Air (P&CP) Act 1981 and E(P) Act, 1986 and the Hazardous & Other Wastes (Management & Trans-boundary Movement) Rules, 2016 and the rules notified thereof. Many commercial establishments like automobile repair shops, paint workshops, stores, etc. may also generate small quantities of hazardous waste. The district administration should be aware of the type of hazardous waste generation in their district and adequacy of facilities for safe handling and disposal within or outside District. Linkage of district administration with common TSDFs in the State is necessary to establish system for safe disposal of domestic hazardous waste. However, since no CHWTSDF has been established in the state, the SPCB-Sikkim has initiated agreements & facilitated transport & disposal. The HW generated in Sikkim is transported to CHWTSDF at West Bengal for disposal, Refinaries in West Bengal for recycling and co-processing facilities located in Assam, Chhattisgarh and Jharkhand.

Details of Data Requireme nt		Present Status						
	Gangtok	Pakyong	Mangan	Namchi	Soren g	Gyalshin g		
No. of Industries generating HW	8	20	-	21	-	-		
Quantity of HW in the district	-	-	-	-	-	-		
(i) Quantity of incinerable HW	550.55M T	834.85MT	-	401.93 MT	-	-		
(ii)Quantity of land- fillable HW	-	-	-	-	-	-		
(iii)Quantity of Recyclable/ utilizable HW	7.13MT	13.9MT	-	9.348 MT	-	-		
No. of captive/comm on TSDF	-	-	-	-	-	-		
Contaminated Sites or probable contaminated sites	-	-	-	-	-	-		

S l. N o. 1	Action points Regulation of industries	Action Plan Inventorization of industries that may require authorization is completed and	Respons ible Agency State Pollutio	Timel ine for Com pletio n of Actio n plan Comp
	and facilities generating Hazardous Waste	online authorization process has been initiated for Hydro Electric Power Plants.	n Control Board	
2	Establishmen t of collection centres	 Common Hazardous waste treatment storage – disposal facility to be established in the district. All HW generated in the state is transported to: West Bengal Waste Management Ltd., Haldia, West Bengal for incineration; Calcom Cement, Assam for coprocessing; Kundu Refinery, West Bengal for recycling. M/s Nilay Narayan Polychem LLP, Jharkhand for co-processing. M/s Ambuja Cements Ltd., Chhattisgarh for co-processing. 	State Pollutio n Control Board	2025-2026
3	Training of workers involved in handling / recycling / disposal of HW	1. The SPCB –Sikkim during grant of authorization ensures that the Emergency Response Procedure has been prepared by the occupier. It has also been specified in the Specific conditions of the authorization to ensure safety of the people handling HW, procure spillage kits and provide PPEs. Compliance to the provisions of the Hazardous Waste (Management & Trans boundary Movement) Rules, 2016	State Pollutio n Control Board, Departm ent of Labour, Occupier	Comp lied

	State Environment Pla	n [Sikkim]		
		 and authorization is verified in every inspection conducted by SPCB officials. Detailed mass awareness program related to HW handling. Implementation of program to prevent or reduce or minimize the generation of hazardous waste. 		
4	Availability / Linkage with common TSDF or disposal facility	The state of Sikkim does not have any facility for disposal of hazardous waste. The HW generated is transported to West Bengal, Assam & Meghalaya for co-processing, treatment and disposal.	State Pollutio n Control Board, Occupier	Comp lied
5 .	Contaminate d sites	No area in the State of Sikkim has been listed in the 112 Contaminated sites and 168 Probable contaminated sites in the country.	SPCB- Sikkim	Actio n not neces sary

(vi) E- Waste Management

(a) Current Status related to E-Waste Management

Details of Data Require ment	Present Status						
	Gangt ok	Pakyo ng	Mangan	Namchi	Soreng	Geyzin g	
Inventor y of E- Waste in MT/year	5921 nos. in 2020- 21	NIL	10 nos. in 2022- 2023	NIL	NIL	NIL	
Collectio n centers establish ed by ULBs in the District	1	NIL	1	2	1(NJNP)	NIL	
Collectio n centers establish ed by Produce rs or their PROs	2 under verific ation by SPCB	NIL	NIL	NIL	1(DAC)	NIL	
No authoriz ed E- waste recycler s / Dismantl er	None in the state. Sent to J.S. Pigmen ts, West Bengal.	NIL	NIL	NIL	NIL	NIL	

S	Action Points	Action Plan	Responsible Agency	Timeli ne for Compl etion of Action Plan
1	Inventory / Generation of E- Waste / Bulk-waste generators	 Identification & listing of bulk consumers is under process in Pakyong district. After completion of listing, inventory details will be generated. Inventory preparation has been delayed for the remaining districts as many of the bulk consumers do not provide information. Information Education & Communication (IEC) Plan from Information Technology Department is awaited for completion of inventory. To strictly follow-up the inventory management procedures for e-waste reduction. Survey and investigation to be conducted. 	Information Technology Department With SPCB.	2025
2	E-Waste collection points	 In each bazaar, e-waste collection points to be established. Planning for establishment of 1 collection center under RDD in Pakyong district Till date no collection Centre has been set up by producers in the district or has submitted proposal for EPR of such kind to the authorities. Licensing authorities have been directed to prepare inventory of 	Gangtok Municipal Council & Rangpo, Singtam Nagar Panchayat. UDD.	2025

State	e Environment Plan [S	Sikkim]		
		authorized dealers in order to implement the ERP provisions of the E-waste Management Rules, 2016.		
3	Linkage among Stakeholders to channelize E- Waste	 Till date no collection Centre has been set up by producers in the district or has submitted proposal for EPR of such kind to the authorities. All e-waste generated in the state is transported to Authorized recycling Centre, M/s J.S. Pigments located in West Bengal. 	Gangtok Municipal Council & Rangpo, Singtam Nagar Panchayat. UDD.	Regular Activit y
4 .	Regulation of Illegal E- Waste recycling /dismantling	 No such action has been observed or reported till date. Regular monitoring by District Administration/UDD/RD D/SPC B. 	District Administration, UDD, RDD, SPCB	Regular Activit y.
5	Integration of informal sector	 All e-waste generated in the state is collected and transported to authorized recycling facility. Informal sector for the same is not practiced in the state. IEC plan awaited from IT Department, Govt. of Sikkim. 	UDD, RDD, IT Department, Govt. of Sikkim.	Regula r activity
6	Awareness and Education	Conducted by SPCB-Sikkim in coordination with UDD, RDD, MSME, NIELIT, Krishi Vigyan Kendra and District Authorities.	District Administration, UDD, RDD, SPCB, MSME, NIELIT, Krishi Vigyan Kendra and District Authorities.	Regular Activit y.

$(vii) Air\ Quality\ Management:$

(a) Current Status Related to Air Quality Management

Details of Data Requirem ent		Present Status					
	Gangtok	Pakyo ng	Mangan	Namchi	Soreng	Gyalshin g	
Number of Automatic Air Quality monitoring stations in the district. Operated by SPCB / State Govt. / Central govt./PSU agency: Operated by Industry:	1 no.	NIL	NIL	NIL	NIL	NIL	
Number of manual monitoring States operated by SPCBs	2 nos. at Gangtok, and Singtam	01 at Rangp o	2 nos.	2 nos.	Under process for establish ment for district HQ.	1	
Name of towns/cities which are failing to comply with national ambient air quality stations	None	No ne	None	None	None	None	
No. of air pollution industries	66 not including DG sets	33 Nos. (not includi ng DG Sets)	12 nos. (not including DG Sets)	Nil	15 nos. (not including DG Sets)	NIL	
Prominent air polluting sources [Large Industry] / [Small Industry] / [Unpaved Roads] / [Burning of Waste Stubble] / [Brick Kiln]/ [Industrial Estate]/[Others](Multiple selection)	Industrial units, Vehicular Emission, Dust arising from constructio n, Stone Crusher Units, Hot Mix Plants,	Vehic ular Emissi on, Dust arisin g from construction, Stone Crush er	Industrial units, Vehicular Emission, Dust arising from constructi on, Stone Crusher Units, Hot Mix Plants.	Industrial units, Vehicular Emission, Dust arising from constructi on, Stone Crusher Units, Hot Mix Plants,	Vehicular Emission, Dust arising from constructi on, Stone Crusher Units, Hot Mix Plants, DG Sets.	Vehicular Emission, Dust arising from constructi on, Stone Crusher Units, Hot Mix Plants, DG Sets.	

State Envi	ironment Plan [Sikki	m]		
	DG Sets.	Units,	DG Sets.	
		Hot		
		Mix		
		Plants		
		, DG		
		Sets.		

S N o	Action Points	Indicative Action Plan	Responsib le agency	Timeline for completion of action plan
1 .	Identification of prominent air polluting Sources?	Inventorization of air pollution Source in the district.	SPCB in co- Ordination with District Administrat ion Forest & Environme nt Department	1 year.
2	Ambient Air quality data?	Ambient air quality data available i the website: www.spcb.sikkim.gov.i	SPCB	Regular activity.
3 .	Setting up of Continuous Ambient Air Quality Monitoring Station	Continuous Ambient Air Quality Monitoring Station has been installed at Zero Point, Gangtok.	SPCB with District Administrat ion	1 Year
4 .	District Level Action Plan for Air Pollution	District Level Action Plan shall be prepared as per the guidelines of CPCB and MoEF&CC for the state.	SPCB in Coordinatio n with District Administrat ion	1 Year
5 .	Hotspots of air pollution in District	 The entire state of Sikkim has been notified as Air Pollution Control Area vide Gazette Extraordinary no. 506 dated 08/09/2011. Burning of waste 	SPCB in Coordinatio n with District Administrat ion	1 Year

	State Environment Plan	[Sikkim]		
		(agricultural & Solid)		
		has been banned vide		
		Notification No.		
		191/FEWMD dated		
		05/01/2015. In case of		
		non- Compliances		
		byelaws have been		
		Notified for imposition		
		of fine from GPU level		
		for the state.		
6	Awareness on Air	Air quality index of the	District	Regular activity.
	Quality	State is Readily available	Adm. &	
		in the website:	SPCB	
		ww.spcb.sikkim.gov.in		
		further planning shall be		
		done for more Awareness.		

(viii) Water Quality Management Water Quality Monitoring

(a) Current Status Related to Water Quality Management

Details of Data Requirement	Present Status								
	Gangtok & Pakyong		Mangan	Namchi	Namchi		llshing		
	Rangphap Chu	9.2405	Rafom stream, Rang-Rang	Kali Khola	8.2872		3.902		
		6.49009	chu stream, Namdousa stream, Plum chu stream,	Rabi Khola	7.2664		4.102		
		4.51173	Lachen stream	Seti Khola	5.8539	Rani Khola	3.196		
	Dikling Khola	7.49724	_	Hiu Khola	3.8544	Riyong Khola	4.721		
	Pachey Khola	6.67376		Ralu Khola	5.7565	West	164		
	Ralong Khola East	5.35410		Manpur Khola	12.758	Ribdi Khola	11.69		
	Kue Chu	5.79453	1	Tangsang	1.8348		5.134		
	Nathang Chu	9.03972	1	Bhari Khola	4.1130	TZ 1' TZ1 1	5.235		
	Lungze Chu	12.9279	1	Rungdung	2.0222	Kali Khola	4.479		
	Rongni Chu or	27 4724		Dong Khola	3.8850	Lingsur Khola West	6.904 465		
	Rani Khola	27.6725	-	Rinji Khola	5.8911	Pale Khola	8.393		
	Taksam Chu Rora Chu	13.8142 18.7383		Pokche Khola South	4.8414	Rangsang Khola West	8.087 139		
	Martam Khola	5.16481	1	Chimche Khola	16	Hi Khola West	5.503		
	Sang Khola	6.63205		South	2.3255	Dentam Khola	6.465		
	Pagla Khola	4.34276		Torl Khola	78 3.1262	Bega Khola	8.383		

Rangchang	
Khola	6.66589
Ghatte Khola	5.0754
Samdong Chu	5.10133
Lay Khola	3.64477
Rani Khola	5.56974
Liyung Kyong	2.72929
Malten Chu	3.26286
Richu Khola	4.21464
Chhatrey	2.90699
Chhito Khola	2.46797
Rare Chu	2.67466
Navey Chhu	3.84467
Rankey Chhu	3.09085
Soge Chu	3.63595
Subaney khola	6.34347
Hante Khola	5.44508
Di Chhu	8.66352
Lingtam	3.67578
Khari Khola	3.05630
Chunabhatti	4.03846
Sawa Khola	3.23520
Kali Khola	2.36558
Kayong or	2.16803
Rongdu Khola	4.05733
Chhuba Khola	4.12581
Re chu	8.05263
Ramitey or	5.29719
Yali chu	6.67659
Chhange chu	2.43776
Sano chhange	2.54756
Andheri Khola	5.38212

Kanam Khola	4.2686	Dhap Chhu	7.536
Kalej Khola	9.3900	Yangsa Chhu	5.594
Pagla Khola	4.03633	Heri Khola	7.372
i agia Kilola	2.55502	Nambu Khola	4.947
Papung Khola	7.26658	West	928
Rayong Khola	5.67638	Taphel Khola	4.606
Ranglo Khola	4.83117	Chisung Khola	2.471
Ramek Khola	3.84401	Prek Chu	2.471
Ringpi Chu	8.01343		
Rangpo Khola	11.8927	Choktsering	18.67
Bania Khola	5.75364	- Rungji Chhu	6.926
Sangrung Khola	6.74403	Koklung Chhu	6.117
Chil Khola	6.65559	Sano chhange	2.547
Bermeli Khola	6.59290	Andheri Khola	5.382
Raphu Khola	5.45100	Namphe Khola	1.597
Niya Khola	3.73424	•	
Kau Khola	6.62165	Richu Khola	4.007
Lungdung Chu	5.82629	Ralong Khola	6.564
Karsangla Chu	6.18615	Selele Khola	3.543
Rangit Chu	11.6279	Arithang Chu	2.149
Barshe Chhu	4.68948	Lah chu	3.050
Phong Khola	2.74905		
Tiri Khola	3.90286	Bechulangpa	1.361
Pao Khola	3.01962	Reshi khola	4.052
Ranka Khola	4.98506	Aksu khola	2.651
Kali Khola	1.91352		1.974
Chaure Khola	1.87831		17.
	3.00192		1.766
Brum Khola	3.15870		2.086
Majuwa Khola	5.58277		2.801
Seti Khola	3.06642	Chhange khola	3.054

Namphe	1.59795		Andher Khola	1.36520	Sigeng Khola	6.869
Richu Khola	4.0074	7	Kamrang Khola	4.05844	West	404
Ralong Khola	6.56415	7		4.46656		2.878
Selele Khola	3.54344]	Daring Khola	2.69512		1.931
Arithang Chu	2.14956]	Kali Khola	1.99518		2.335
Lah chu	3.05099]		10.1199	Pareng Khola	2.134
Bechulangpa	1.36100]	Rangdang Chu	2.31679	West	619
Reshi khola	4.05267	1			Mardom Khola	2.477
Aksu khola	2.65115	1			West	253
	1.974]			Pharik Khola	3.576
	1.76669	1			Barmo Khola	3.934
	2.08625	7			Lungman Khola	3.768
	2.80122	1			West	423
Chhange	3.05462]			Thar Khola	5.563
Thekabong	3.79546]			Chhamam Chhu	4.990 884
Gop chu	2.56541	1			West	7.479
Buthang khola	2.96348	1			Pongmirang Chhu West	933
Simana khola	3.58023	1			Phamrung Chhu	8.498
Rishi khola		1			West	266
Danak khola	4.200068	1				•
					Thekabong	3.795
					Gop chu	2.565
					Buthang khola	2.963
					Simana khola	3.580
					Rishi khola	
					Danak khola East	4.200 068
					Simchar Khola West	6.593 134

Length of Coastline(if any)	NA	NA	NA	NA
Nalas/Drains/Cr eeks meeting Rivers	13 (In Gangtok)	3	NA	NA
Lakes/Ponds	234.2575 (Gangtok) 30-199.5 (Pakyong)	NIL	NIL	139.8917
Total Quantity of sewage from towns and cities in the district	20.86 MLD (Gangtok) 20.526 MLD (Pakyong)	0.6 MLD	NA	NA
Quantity of industrial waste water	1.776 MLD (Gangtok)	NIL	NA	NA
Percentage of untreated sewage	NIL	100 % sewage are collected in the individual household septic tank	NA	No untreated sewage discharged. All household having septic tank.

details of bore wells and number of permissions given for	11 (Gangtok)	NIL	NIL	NA
Groundwater polluted areas if any	NIL	NIL	NA	NA
Polluted river stretches if any	Adarsh Goan to Melli in the Melli – Chungthag polluted stretch. Namli to Singtam stretch in Rani Chu polluted stretch.	Chungthang-Teesta	NA	1

(b) Identification of Gaps and Action Plan for Water Quality Monitoring

S N o	Action Points	Action Plan	Responsib le Agency	Timeline for Completi on of Action Plan
1	Invent ory of water bodies	 Inventory of water bodies is being monitored by Department of Forest & Environment. SPCB-Sikkim conducts regular monitoring of river water quality under the NWMP program and the analyzed data is available in the SPCB website. River Rejuvenation Committee has been notified as the State Nodal agency to ensure compliance to the environmental norms and monitor the actions of the implementing departments. RRC is also undertaking the Inventorization of water bodies. 	Department of Forest & Environme nt, SPCB- Sikkim, Department of Water Resources & River Developme nt, Department of Public Health & Engineering	Continuous activity
2 .	Quality of water bodies in the district	1. SPCB Sikkim has been continuously monitoring the industrial activities by ensuring continuous operation of Effluent Treatment Plant (ETP). Further, SPCB Sikkim has made Zero Liquid Discharge (ZLD) mandatory so that the treated water meeting the prescribed standard is recycled and reused for gardening, flushing, cleaning and cooling purposes. 2. Conducted by SPCB-Sikkim.	SPCB- Sikkim	Continuous activity
3	Hotspot s of water contam ination	RRC has been setup and report for delisting of the 4 identified river stretches in Gangtok district has been submitted to the CPCB.	Department of Forest & Environme nt, SPCB- Sikkim, Department of Water Resources & River	Continuous activity

	State Enviror	nment Plan [Sikkim]		
			Developme nt	
4	Protecti on of river/la ke water front	Action plan prepared and bye laws have also been notified for implementation for the state.	District Administrat ion, SPCB UDD RDD Forest & Environme nt.	Continuous activity
5	Inventor y of sources of water polluti on	Prepared	Forest & Environme nt, SPCB	Continuous activity
6 .	Oil spill disaster manag ement (for coastal districts)	N/A	N/A	N/A
7	Protecti on of floodpla ins	N/A	N/A	N/A
8 .	Rejuven ation of ground water	 Ground water abstraction for domestic purposed is not practiced in any of the districts over the state. Industrial units who have installed bore wells have obtained NOC from Central Ground Water Authority (CGWA) In order to prevent future challenges in the district due to natural and manmade disruptions, rejuvenation of groundwater must be considered. 	Department of Forest & Environme nt, Department of Water Resources & River Developme nt, CGWA	Continuous activity
9	Complai nt's redressal system	Available at District Administration and SPCB- website	District Adm. & SPCB	Continuous activity

(ix) Domestic Sewage

(a) Current Status Related to Domestic Sewage

Details of Data Requiremen t	Present Status					
	Gangt ok	Pakyong	Mangan	Namchi	Sore ng	Gyalshi ng
No of Class- Il towns and above	Nil	-	NA	Data NA	NIL	NIL
No of Class-I towns and above	1	NIL	NA	Data NA	NIL	NIL
No of Towns STPs installed	5(Gang tok & Singta m)	1	NA	1	NIL	NIL
No of Towns needing STPs	1 – Gangt ok Zone III(und er constr uction at Tathan gchen area- 3.25 MLD)	4	2	2	NIL	2
No of ULBs having partial underground Sewerage network	5(Gang tok & Singta m)	1	NA	Data NA	NIL	NIL
No of towns not having sewerage network	NIL	3	2	2	NIL	2

State Enviro	nment Plan [S	ikkim]				
Total Quantity of Sewage generated in District From Class Il cities and above	20.86 MLD	4.4MLD	Class II cities not present in the district.	Class II cities not present in the district	NIL	Class II cities not present in the district
Quantity of treated sewage flowing into Rivers(directly or indirectly)	12.52M LD(60% only)	1.4MLD	NA NA	All househol ds are required to construct a septic tank for sewage manage ment. In implemen tation of Swacch Bharat Mission Gramin Phase II installion of septic tanks for individual househol ds in 64 villages are under process.	In imple menta tion of Swacc h Bharat Missio n Grami n Phase II majori ty of house holds in rural areas have been equip ped with twin pit septic tank for sewag e mana geme nt. Mobile septa ge treatm ent units have been made availa ble by RDD under Swacc h Bharat Kosh.	NA NA

State Env	rironment Plan	[Sikkim]				
					6 MST units for the district provid ed by the RDD.	
Quantity of untreated or partially treated sewage (directly or indirectly)	NIL	3.0MLD (septic tank treatment)	1.6MLD	NA	NA	NA
Quantity of sewage flowing into lakes	NIL	NIL	NA	NA	NA	NA
Total available Treatment Capacity	20.86M LD	1.4MLD	NA	NA	NA	NA

(b) Identification of Gaps and Action Plan for Treatment of Domestic Sewage:

S	Action Points	Action Plan	Responsi ble Agency	Timeline for Completion of Action Plan
1	Sewage Treatme nt Plants (STPs)	 Total 8 STPs have been set up in the state. Gangtok-5, Rangpo-1, Singtam-1, Melli-1. STPs located in Rangpo, Singtam & Melli has been damaged by flash flood of October 2023. Temporary pits have been constructed to receive the sewage. Treatment of sewage is done through anaerobic actions. Proposal to restore the STPs has bee forwarded to the authority for 	Public Health & Engineerin g Departmen t	2028

		approval and sanction. 3. Following STPs has been proposed in other areas of the state namely Jorethang, Namchi, Chungthang, Mangan, Rabong, Geyzing & Soreng. 4. 1 additional STP is nearing completion at Gangtok Zone III, Tathangchen.		
2 .	Undergr ound Sewerag e Networ k	1. PHE department is in process of covering uncovered household and commercial establishment to underground sewerage network in and around Gangtok city and Singtam town.	Public Health & Engineerin g Departmen t	2028
		2. Underground sewerage network for Mangan and Chungthang is being constructed under the NRCD. The work has been tendered and work order issued.		
		3. Only 1 town has been partially covered with underground sewerage network in the Pakyong district.		
		 Proper underwater sewerage network to be mapped for all the remaining districts. All old SW networks to be checked and maintained. 		
		5. If possible, digitization of maps and documents.6. Clogging and overflowing of drains to be checked.		

$\textbf{(x)} \, Industrial \, Waste \, Water \, Management$

(a) Current Status related to Industrial Waste Water Management

Present Status	Gangto k	Pakyo ng	Mangan	Namchi	Soreng	Gyalshing	
Number of Red, Orange, Green and White industries in the district	There is a	There is a total of 9 (Red), 126 (Orange) and 68 (Green) Industries operating in the state					
No of Industries discharging wastewater	Nil	Nil	Nil	Nil	Nil	Nil	
Total Quantity of industrial waste water generated	0.578 MLD	1.339 MLD	Nil	0.979 MLD	Nil	Nil	
Quantity of treated industrial waste water discharged into Nalas/ Rivers	NIL	Nil	Nil	Nil	Nil	Nil	
Common Effluent Treatment Facilities	NIL	NIL	Nil	Nil	Nil	Nil	
No of Industries meeting Standards	-	All compl aint	NA	Nil	Nil	Nil	
No of Industries not meeting discharge Standards	NIL	Nil	Nil	Nil	Nil	Nil	

State Environment Plan [Sikkim] (b) Identification of Gaps and Action Plan for Industrial Waste Water:

S N o	Actio n Point s	Action Plan	Responsible Agency	Timelin e for Complet ion of Action Plan
1	Comp liance to discha rge norms by Indust ries	 Industrial units' namely pharmaceutical industries have installed Online Continuous Effluent Monitoring System as per the directions of the SPCB. So that real time compliance to pollution parameters can be verified remotely. Industries of various categories are inspected by SPCB on timely basis as specified by the CPCB category wise viz., Red, orange, green. Zero liquid discharge system has been installed in almost all medium to large pharmaceutical units in the state. CCTV is installed in all storm water outlets of the pharmaceutical industries and footage is submitted to SPCB on weekly basis. Third Party Environmental Monitoring is on conducted quarterly basis by NABL accredited laboratories under supervision of SPCB and the reports are submitted as well. 	Dept. of Forest & Environment, State Pollution Control Board.	Continuo us Activity

St	<u>ate Environmer</u>	nt Plan [Sikkim]		
2	Comp	Available at District Adm.	District Adm. &	Continuo
	laint	website and SPCB Sikkim	SPCB- Sikkim	us
	redres	Website		activity
	sal			
	syste			
	m			

$(xi)\,Mining\,Activity\,Management\,\,Plan$

(a) Current Status related to Mining Activity Management

Details of Data Requirement		Existing Mining Operations						
	Gangt ok	Paky ong	Mangan	Namch i	Soreng	Gyalshi ng		
Type of Mining Activity	Temp orary collect ion of loose bould ers, sand & stone	NA	No mining activities in the district	Tempor ary collecti on of loose boulder s, sand & stone	Temporary collection of loose boulders, sand & stone	Temporar y collection of loose boulders, sand & stone		
No of licensed Mining operations in the district	70	NA	NA	32	9	3		
% Area covered under mining in the district		NA	NA	0.0021%		NA		
Area of Sand Mining	964 sq. km	NA	NA		98200 Sq. ft	NA		
Area of sand Mining	!River reserve s	NA	NA	River reserve s	River reserves	River reserves		

S N o	Action Points	Action Plan	Responsible Agency	Timeline for Completi on
1.	Monit oring of Mining activity	 Strict and timely monitoring of any illegal and other mining activities to be conducted. In coordination with SPCB (Forest and Environment Department) and District Administration. District Expert Appraisal Committee has been formed. 	Department of Mines & Geology SPCB (Forest and Environment Department) and District Administration	Continuou s activity

	Diate Environ	ment Pian į Sikkim į		
2	Invent	1. Action plan to identify	Department of Mines	Continuou
•	ory of illegal	illegal sand and other mining activity in the	& Geology, Forest & Environment	s tprocess
	mining	district through	Department,	
		surveillance, patrolling and	_ ·	
	if any	enforcement.	SEIAA/SEAC.	
	mining	 District Level task Force may be constituted for control of illegal mining activity. 		
3	Enviro	Action plan for periodic	Department of Mines &	Continuou
•	nment	verification of compliance to	Geology,	s process
	omplia	environmental conditions		
	nce by	stipulated by SPCBs/PCC, MoEF & C, Department of	Forest & Environment	
	Mining	Mines etc. SPCBs/PCC	Department.	
	industr	maybe involved in this		
	у	activity.		

(xii) Noise Pollution Management Plan

(a) Current Status related to Noise Pollution Management

Details of Data Requireme nt		Measurable Outcome				
	Gangtok	Pakyong	Mangan	Namchi	Soreng	Gyalshing
No. of noise measuring devices available with various agencies in district	SPCB Sikkim – 7 nos.	SPCB Sikkim – 7 nos.	SPCB Sikkim – 7 nos.	SPCB Sikkim – 7 nos.	SPCB Sikkim – 7 nos.	SPCB Sikkim – 7 nos.

S . N o .	Action Points	Action Plan	Responsible Agency	Time line for Com pletio n of Actio n
1.	Availabili ty of Sound/No ise Level Meters.	 Regulation of Statutory Regulatory guidelines to be planned considering noise sensitive zones. Scientific research focusing on noise pollution in different types of environments and proposing different types of solutions to address the problem. Procurement of Sound/noise level meters in process in all the districts. 	District Administration , Police Department & SPCB-Sikkim	2025
2	Ambient Noise Level Monitorin g.	 Control at source Control in the transmission path Using protective equipment Various sensitive zones such as protected areas, hospitals, etc., have been declared as silent zones. Noise monitoring during festival season is conducted by SPCB-Sikkim 	UDD, District Administration , Police Department & SPCB-Sikkim	2025

,	State Environm	nent Plai		District	2025
)	Signboard	1.	Mandatory signboards with increased	District	2025
	s i	1 1	number and size displayed at prominent sites.	Administration	
		2.	District administration may ensure that		
			adequate number of sign boards installed		
			at sensitive zones in towns / cities in		
			towns and cities. An action plan may be prepared by district authority.		
_	Complain	1. R	Redressal portal has been set up in District	UDD, District	Routi
	t	A	Adm. & SPCB website	Administration	ne
	edressing	2. <u>h</u>	ttps://soreng.nic.in/	. Police	activi
	ystem	3. <u>h</u>	ttps://police.sikkim.gov.in/	Department &	ty
	ystem	4. <u>h</u>	ttps://spcb.sikkim.gov.in/	1 *	
				SPCB-Sikkim	