

STATE INDICATOR FRAMEWORK-SUSTAINABLE DEVELOPMENT GOALS

GOALS -2-END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

2.a Increase investment, including through enhanced international cooperation, in rural infrastructure, agricultural research and extension services, technology development and plant and livestock gene banks in order to enhance agricultural productive capacity in developing countries, in particular least developed countries

2. a.1: Percentage share of Intellectual Property Product (Research & Development) to total GVA in Agriculture, Forestry and Fishing

UNIT	DATA SOURCE (Agency/ Department/ etc.)	PERIODICITY / FREQUENCY	BASE LEVEL VALUE	TARGET TO BE ACHIEVED BY 2030	INTERMEDIATE TARGETS (w.r.t.TARGETS TO BE ACHIEVED)											CUSTODIAN DEPARTMEN TS OF THE INDICATOR	SCHEMES/ INTERVENTIO NS UNDER IMPLEMENTAT ION IN THE STATE BY THE CUSTODIAN DEPARTMENT S RELEVANT TO THE INDICATOR (CSS/ STATE/ ANY OTHER)	STRATEGY OF THE DEPARTMENT TO ACHIEVE THE TARGET	REMARKS, If any
					2019- 20	2020- 21	2021- 22	2022- 23	2023- 24	2024- 25	2025- 26	2026- 27	2027- 28	2028- 29	2029- 30				
No	High Altitude Research, Forests and Environment Department	Annually	450	2000	200	200	200	200	200	200	200	200	200	200	200	FORESTS AND ENVIRONM ENT DEPARTME NT	High Altitude Research, Forests and Environment Department	1. Research gaps study and planning 2. SWOT Analysis and mappings of resources 3. Taxonomic characterization and Identification 4. Nutraceutical mapping and analysis 5. Chemotaxonomic approach and chemical profiling 6. DNA profiling and bar coding	DNA Bar coding is the recording of the bioresources that encourage and enhance intellectual property products

Base Level Value

450 Base Level Value derived from the number of the research and extension services and plant gene banks

STATE INDICATOR FRAMEWORK-SUSTAINABLE DEVELOPMENT GOALS

SDG GOAL -6- ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

6.6 : By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes

6.6.3. Biological assessment information of surface water bodies

UNIT	DATA SOURCE (Agency/ Department/ etc.)	PERIODICITY / FREQUENCY	BASE LEVEL VALUE	TARGET TO BE ACHIEVED BY 2030	INTERMEDIATE TARGETS (w.r.t.TARGETS TO BE ACHIEVED)											CUSTODIAN DEPARTMEN TS OF THE INDICATOR	SCHEMES/ INTERVENTIO NS UNDER IMPLEMENTAT ION IN THE STATE BY THE CUSTODIAN DEPARTMENT S RELEVANT TO THE INDICATOR (CSS/ STATE/ ANY OTHER)	STRATEGY OF THE DEPARTMENT TO ACHIEVE THE TARGET	REMARKS, If any
					2019- 20	2020- 21	2021- 22	2022- 23	2023- 24	2024- 25	2025- 26	2026- 27	2027- 28	2028- 29	2029- 30				
No	High Altitude Research, Forests and Environment Department	Annually	40	400	40	40	40	40	40	40	40	40	40	40	40	FORESTS AND ENVIRONME NT DEPARTMEN T	High Altitude Research (Sikkim), Forests and Environment Department	1. Wetland mapping 2. Identification of potential wetlands providing ecological services 3. Periodical Monitoring of quality water in forest 4. Mobile set up estimate the quantitative values	5. Estimation of Wetlands of forest areas and potential wetlands providing ecological services inclusive of rivers
Base Level Value 40 is the base level value of total number of estimation in the year 2019-2020																			

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SDG GOAL -6- ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

6.7 : By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes

6.6.4: Number of documented natural water resources

UNIT	DATA SOURCE (Agency/ Department/ etc.)	PERIODICITY / FREQUENCY	BASE LEVEL VALUE	TARGET TO BE ACHIEVED BY 2030	INTERMEDIATE TARGETS (w.r.t.TARGETS TO BE ACHIEVED)											CUSTODIAN DEPARTMEN TS OF THE INDICATOR	SCHEMES/ INTERVENTIO NS UNDER IMPLEMENTAT ION IN THE STATE BY THE CUSTODIAN DEPARTMENT S RELEVENT TO THE INDICATOR (CSS/ STATE/ ANY OTHER)	STRATEGY OF THE DEPARTMENT TO ACHIEVE THE TARGET	REMARKS, If any
					2019- 20	2020- 21	2021- 22	2022- 23	2023- 24	2024- 25	2025- 26	2026- 27	2027- 28	2028- 29	2029- 30				
No	High Altitude Research, Forests and Environment Department	Annually	15	150	15	15	15	15	15	15	15	15	15	15	15	FORESTS AND ENVIRONME NT DEPARTMEN T	High Altitude Research, Forests and Environment Department	<div>1. Natural water resources mapping</div> <div>2. Identification of Natural water resources which provide ecological services</div> <div>3. Periodical Monitoring of Natural water resources in forest</div> <div>4. Mobile set up to estimate the qualitative and quantitative values</div>	Enumeration of Natural Water Resources of forest areas and potential Natural Water Resources providing ecological services inclusive of rivers
Base Level Value																			
15 is the base level value of total number of identified natural water resources in the year 2019-2020																			

STATE INDICATOR FRAMEWORK-SUSTAINABLE DEVELOPMENT GOALS

SDG GOAL-12 ENSURE SUSTAINABLE CONSUMPTION & PRODUCTION PATTERNS

12.2 By 2030, achieve the sustainable management and efficient use of natural resources

12.2.1 : Implementation of Modal Eco-race Conservation Programme (MECP)

UNIT	DATA SOURCE (Agency/ Department/ etc.)	PERIODICITY / FREQUENCY	BASE LEVEL VALUE	TARGET TO BE ACHIEVED BY 2030	INTERMEDIATE TARGETS (w.r.t.TARGETS TO BE ACHIEVED)											CUSTODIAN DEPARTMEN TS OF THE INDICATOR	SCHEMES/ INTERVENTIO NS UNDER IMPLEMENTAT ION IN THE STATE BY THE CUSTODIAN DEPARTMENT S RELEVANT TO THE INDICATOR (CSS/ STATE/ ANY OTHER)	STRATEGY OF THE DEPARTMENT TO ACHIEVE THE TARGET	REMARKS, If any
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No	High Altitude Research, Forests and Environment Department	Annually	10	100	10	10	10	10	10	10	10	10	10	10	10	FORESTS AND ENVIRONME NT DEPARTMEN T	High Altitude Research, Forests and Environment Department	1. Ecological race mapping 2. Identification of ecological races which provide ecological services 3. Periodical Monitoring of ecological race in forest 4. Mobile set up to estimate the qualitative and quantitative values	Enumeration of Ecological races of forest areas and potential Ecological race providing ecological services

Base Level Value
10 is the base level value of total number of identified ecological races of forest of Sikkim in the year 2019-2020

Ecological Race Conservation Programme : The planning of ecological races for conservation is to pin the idea so that the ecological different species of the region –endemic species – can be conserved and protected.

STATE INDICATOR FRAMEWORK-SUSTAINABLE DEVELOPMENT GOALS

SDG GOAL-12 ENSURE SUSTAINABLE CONSUMPTION & PRODUCTION PATTERNS

12.4 : By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment

12.4.6 : Implementation of National Action Plan for fulfilling obligations for various Multilateral Environmental Agreements (MEA) ratified

UNIT	DATA SOURCE (Agency/ Department/ etc.)	PERIODICITY / FREQUENCY	BASE LEVEL VALUE	TARGET TO BE ACHIEVED BY 2030	INTERMEDIATE TARGETS (w.r.t.TARGETS TO BE ACHIEVED)											CUSTODIAN DEPARTMEN TS OF THE INDICATOR	SCHEMES/ INTERVENTIO NS UNDER IMPLEMENTAT ION IN THE STATE BY THE CUSTODIAN DEPARTMENT S RELEVANT TO THE INDICATOR (CSS/ STATE/ ANY OTHER)	STRATEGY OF THE DEPARTMENT TO ACHIEVE THE TARGET	REMARKS, If any
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No	High Altitude Research, Forests and Environment Department	Annually	10	100	10	10	10	10	10	10	10	10	10	10	10	FORESTS AND ENVIRONME NT DEPARTMEN T	High Altitude Research, Forests and Environment Department	<ol style="list-style-type: none">1. Ecological race mapping2. Identification of ecological races which provide ecological services3. Periodical Monitoring of ecological race in forest4. Mobile set up to estimate the qualitative and quantitative values	In compliance to the Multilateral Environmental Agreements(MEA).

Base Level Value

10 is the base level value of total number of identified ecological races of forest of Sikkim in the year 2019-2020

Ecological Race Conservation Programme : The planning of ecological races for conservation is to pin the idea so that the ecological different species of the region –endemic species – can be conserved and protected.

STATE INDICATOR FRAMEWORK-SUSTAINABLE DEVELOPMENT GOALS

SDG GOAL -14- CONSERVE AND SUSTAINABLY USE THE OCEANS< SEAS AND MARINE RESOURCES for SUSTAINABLE DEVELOPMENT

14.1 By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution

14.1.4: Percentage of Ph level/dissolved oxygen/Biological Oxygen Demand (BOD) in rivers

a) Percentage of pH level in rivers b). Percentage of dissolved oxygen in rivers c). Percentage of BOD in rivers

UNIT	DATA SOURCE (Agency/ Department/ etc.)	PERIODICITY / FREQUENCY	BASE LEVEL VALUE	TARGET TO BE ACHIEVED BY 2030	INTERMEDIATE TARGETS (w.r.t.TARGETS TO BE ACHIEVED)											CUSTODIAN DEPARTMEN TS OF THE INDICATOR	SCHEMES/ INTERVENTIO NS UNDER IMPLEMENTAT ION IN THE STATE BY THE CUSTODIAN DEPARTMENT S RELEVANT TO THE INDICATOR (CSS/ STATE/ ANY OTHER)	STRATEGY OF THE DEPARTMENT TO ACHIEVE THE TARGET	REMARKS, If any
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No	High Altitude Research, Forests and Environment Department	Annually	40	400	40	40	40	40	40	40	40	40	40	40	40	FORESTS AND ENVIRONME NT DEPARTMEN T	High Altitude Research, Forests and Environment Department	1. River mapping 2. Identification of potential rivers providing ecological services 3. Periodical Monitoring of quality water in forest 4. Mobile set up estimate the quantitative values	Analysis and monitoring of the qualitative and quantitative values.

Base Level Value
40 is the base level value of total number of identified rivers of forest of Sikkim in the year 2019-2020

STATE INDICATOR FRAMEWORK-SUSTAINABLE DEVELOPMENT GOALS

SDG GOAL -15- PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSSES

15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species

15.5.1: Red List Index

UNIT	DATA SOURCE (Agency/ Department/ etc.)	PERIODICITY / FREQUENCY	BASE LEVEL VALUE	TARGET TO BE ACHIEVED BY 2030	INTERMEDIATE TARGETS (w.r.t.TARGETS TO BE ACHIEVED)											CUSTODIAN DEPARTMEN TS OF THE INDICATOR	SCHEMES/ INTERVENTIO NS UNDER IMPLEMENTAT ION IN THE STATE BY THE CUSTODIAN DEPARTMENT S RELEVANT TO THE INDICATOR (CSS/ STATE/ ANY OTHER)	STRATEGY OF THE DEPARTMENT TO ACHIEVE THE TARGET	REMARKS, If any
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No	High Altitude Research, Forests and Environment Department	Annually	20	200	20	20	20	20	20	20	20	20	20	20	20	FORESTS AND ENVIRONME NT DEPARTMEN T	High Altitude Research, Forests and Environment Department	1. Endangered species mapping 2. Periodical Monitoring o endangered species in forest 3. Mobile set up to estimate the qualitative and quantitative values	

Base Level Value 20 is the base level value of total number of identified endangered species of forest of Sikkim in the year 2019-2020

Red list index : The conservation and systematic planning of endangered species is to protect the species from the extinction. The unit signifies the number of target endangered species

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SDG GOAL -15- PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSSES

15.9 By 2020, integrate ecosystem and biodiversity values into national and local planning, development processes, poverty reduction strategies and accounts

15.9.1: Progress towards national targets established in accordance with Aichi Biodiversity Target 2 of the Strategies Plan for Biodiversity 2011-2020

UNIT	DATA SOURCE (Agency/ Department/ etc.)	PERIODICITY / FREQUENCY	BASE LEVE L VALU E	TARGET TO BE ACHIEVE D BY 2030	INTERMEDIATE TARGETS (w.r.t.TARGETS TO BE ACHIEVED)											CUSTODIAN DEPARTMEN TS OF THE INDICATOR	SCHEMES/ INTERVENTIO NS UNDER IMPLEMEN TATION IN THE STATE BY THE CUSTODIAN DEPARTMEN TS RELEVANT TO THE INDICATOR (CSS/ STATE/ ANY OTHER)	STRATEGY OF THE DEPARTMENT TO ACHIEVE THE TARGET	REMARKS, any	If
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No	High Altitude Research, Forests and Environment Department	Annually	5	120	10	10	10	10	10	10	10	10	10	10	10	FORESTS AND ENVIRON MENT DEPART MENT	High Altitude Research, Forests and Environment Department	To improve the status of biodiversity by safeguarding ecosystems, species and genetic diversity, the sustainability index and its weightage shall evaluate		

Base Level Value 20 is the base level value of total number of identified endangered species of forest of Sikkim in the year 2019-2020

Target 2: By 2020, ... biodiversity values are integrated into national and local development and poverty reduction strategies and planning processes and national accounts