

NKRA 5: Healthy Ecosystem Services Maintained

Lead Agency: Ministry of Agriculture and Forests

Collaborating Agencies: Ministry of Economic Affairs, National Environment Commission Secretariat, National Land Commission Secretariat, Local Government, Royal Society for Protection of Nature

AKRA	Key Performance Indicators	Description	Units	Baseline (Year)	Baseline	Target	Data Collection Methodology	Data Source	Data Collection Frequency	Responsible Agency
1. Management of Natural Resources for sustainable utilization of ecosystem goods and services Enhanced	Population status of umbrella species (Tigers)	The indicator measures mean population of Tigers within the 95 percent Confident Interval	Number	2015	103	123	Survey and Census	National Tiger Survey Report	5 years	MoAF
	Population status of key species (Snow leopard)	The indicator measures mean population of Snow-leopard within the 95 percent Confidence Interval	Number	2015	96	96	Survey and Census	National Snow leopard survey report/Forestry facts and figure	5 years	MoAF
	Forest area brought under sustainable management regime	The indicator measures the area of forests land brought under sustainable forest management regime through Community Forests, Forest Management Units and Local Area Forest Management Plans	Hectare	2015	357915	375801	Field data collection	DoFPS Annual Report/Forestry Facts and Figures/FIMS	Annual	MoAF
	Forest area under more the 50% crown cover	The indicator measures the proportion of total forest area under crown cover (dense forest)	Percentage	2016	50	50	Field data collection	FIMS/Forestry Facts and figure	5 years	MoAF
	Status of aquatic diversity	The indicator measures the number/status of the key aquatic species (macro-invertebrate)	Number	2016	411	411	Survey & Census	Biodiversity Statistic, 2017 (BSB), NBSAP	5 years	MoAF
	Access and Benefit Sharing initiatives	The indicator measures the number of bio-prospecting initiatives (knowledge management, identification of potential biological resources, drawing of ABS agreements)	Number	2016	3	6	Field data collection	Administrative data, NBC	Annual	MoAF
	2. Air quality monitoring system strengthened	Ambient Air Quality levels (PM2.5) in Thimphu	The indicator measures the average annual particulate matter of less than 10 micrometers in diameter (PM10) in four major towns. PM10 is "repairable dust" that is inhaled by humans. National permissible annual average limit for mixed area (urban/commercial) is 60 µg/m3. National permissible annual average limit for industrial areas is 120 µg/m3.	µg/m3	2015	43	60	Field data collection	Administrative Data, NEC/State of Environment Report, NEC	3 years
Ambient Air Quality levels (PM 2.5): Gedu monitored		µg/m3		2015	n/a	50	Field data collection	Administrative Data, NEC/State of Environment Report, NEC	3 years	NEC
Ambient Air Quality levels (PM 2.5): Pasakha monitored		µg/m3		2015	275	120	Field data collection	Administrative Data, NEC/State of Environment Report, NEC	3 years	NEC

