

Ministry of Environment and Forest



**Action Plan of MoEF by targets in the implementation of SDGs aligning with
7th Five Year Plan and Beyond**

Ministry of Environment and Forests

Government of the People's Republic of Bangladesh

April, 2018

Ministry of Environment and Forest

Sl. No.	Indicators Against which MoEF is Lead Ministry (Total 25) (2 repetitive Indicator)	Co lead Ministry	Associate Ministries	Responsible Agency/ Ministry
1	Indicator 3.9.1: Mortality rate attributed to household and ambient air pollution.	N/A	MoHFW; MoLE; SID	
2	Indicator 8.4.1: Material footprint, material footprint per capita, and material footprint per GDP	ERD, GED	EMRD; MoWR; MoInd; MoL	BFD
3	Indicator 8.4.2: Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP			
4	Indicator 12.2.1: Material footprint, material footprint per capita, and material footprint per GDP.			
5	Indicator 12.2.2: Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP			
6	Indicator 12.4.1: Number of parties to international multilateral environmental agreements on hazardous waste, and other chemicals that meet their commitments and obligations in transmitting information as required by each relevant agreement.	N/A	LGD; MoA; MoInd; MoHFW; MoTJ	DoE
7	Indicator 12.6.1: Number of companies publishing sustainability reports	N/A	MoEF; MoC; MoFA	DoE
8	Indicator 13.3.1: Number of countries that have integrated mitigation, adaptation, impact reduction and early warning into primary, secondary and tertiary curricula.	MoDMR	MoE; MoPME; MoHA; MoInf; MoInd (BIM); MoD; LGD	DoE+BCCT
9	Indicator 13.3.2: Number of countries that have communicated the strengthening of institutional, systemic and individual capacity-building to implement adaptation, mitigation and technology transfer, and development actions.			
10	Indicator 13.a.1: Mobilized amount of United States dollars per year starting in 2020 accountable towards the \$100 billion commitment.	N/A	ERD; MoFA; BFID; (BB)	MoEF+DoE
11	Indicator 13.b.1: Number of least developed countries and small island developing States that are receiving specialized support, and amount of support, including finance, technology and capacity-building, for mechanisms for raising capacities for effective climate change-related planning and management, including focusing on women, youth and local and marginalized communities.		ERD; GED; MoInd	DoE+BCCT
12	Indicator 14.3.1: Average marine acidity (pH) measured at agreed suite of representative sampling stations		MoST; MoFL; MoFA; EMRD; MoS; MoInd; MoD	DoE
13	Indicator 14.5.1 Coverage of protected areas in relation to marine areas	MoFL	MoD (BN); MoFA; MoHA; MoS	DoE+ BFD+DoF
14	Indicator 15.1.1: Forest area as a proportion of total land area.	N/A	MoA; MoCHTA; MoL; MoWR MoFL; MoS	DoE+BFD
15	Indicator 15.1.2: Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type		MoL; LGD; CD; MoInf	BFD+BFIDC
16	Indicator 15.2.1: Progress towards sustainable forest management			
17	Indicator 15.3.1: Proportion of land that is degraded over total land area.	MoL	MoA; MoWR; LGD, MoDMR	DoE+BFD+BFRI
18	Indicator 15.4.1: Coverage by protected areas of important sites for mountain biodiversity	N/A	MoA; MoCHTA; MoCAT; MoL; LGD	MoEF
19	Indicator 15.5.1: Red List Index		MoFL; MoA; MoInf	
20	Indicator 15.6.1: Number of countries that have adopted legislative, administrative and policy frameworks to ensure fair and equitable sharing of benefits		MoA; MoFL MoST	
21	Indicator 15.7.1: Proportion of traded wildlife that was poached or illicitly trafficked		LJD; MoFL; MoHA	DoE
22	Indicator 15.8.1: Proportion of countries adopting relevant national legislation and adequately resourcing the prevention or control of invasive alien species.		MoA; MoFL	MoEF
23	15.9.1: Progress towards national targets established in accordance with Aichi Biodiversity Target 2 of the Strategic Plan for Biodiversity 2011-2020.		GED; LGD; SID	
24	Indicator 15.c.1: Proportion of traded wildlife that was poached or illicitly trafficked.		LGD; MoHA; MoD	BFD
25	Indicator 17.7.1: Total amount of approved funding for developing countries to promote the development, transfer, dissemination and diffusion of environmentally sound technologies.		ERD; MoFA; MoST; MoInd; PMO (BOI); MoDMR; IRD	DoE

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Sl. No.	Indicators Against which MoEF is Co-Lead Ministry (Total 9) (2 repetitive indicator)	Lead Ministry	Associate Ministry	Responsible Agency of MoEF
1	Indicator 1.5.1: Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population	MoDMR	MoHA; MoInf; PTD; MoE; MoEWOE; MoF; MoHFW; MoSW; MoFL; MoWR; LGD; MoLWA; MoWCA; BFID(BB); SID; MoA	DoE
2	Indicator 1.5.2 Direct disaster economic loss in relation to global gross domestic product (GDP)			
3.	Indicator 6.3.1: Proportion of wastewater safely treated	LGD	MoInd; MoFA; MoTJ; MoF; MoWR; MoS	DoE
4.	Indicator 6.3.2: Proportion of bodies of water with good ambient water quality.			
5.	Indicator 11.5.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population	MoDMR	MoHA; MoInf; PTD; MoE; MoEWOE; MoF; MoHFW; MoSW; MoFL; MoWR; LGD; MoLWA; MoWCA; BFID(BB); SID; MoA	
6.	Indicator 12.4.2: Hazardous waste generated per capita and proportion of hazardous waste treated, by type of treatment.	LGD	MoInd; MoST; MoHFW	DoE
7.	Indicator 13.1.1: Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population	MoDMR	MoEF; MoHA (FSCD); LGD, MoPA, MoD	
8.	Indicator 14.2.1: Proportion of national exclusive economic zones managed using ecosystem-based approaches	MoFL, Co lead: MoS	MoEF; MoST; MoD; MoHA (CG); MoFL; MoFA	
9.	Indicator 14.5.1: Coverage of protected areas in relation to marine areas	MoFL	MoD (BN); MoFA; MoHA; MoS	

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Detailed Action Plan

SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/ Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2025)	Policy/Strategy if needed (in relation with Column 8)	Remarks
					Project Title and Period	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
Target 1.5: By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters	1.5.1: Number of deaths, missing persons and persons affected by disaster per 100,000 people.	Lead Ministry MoDMR <i>Co-Lead:</i> MoEF (DoE)	MoHA; MoInf; PTD; MoE; MoEWOE; MoF; MoHFW; MoSW; MoFL; MoWR; LGD; MoLWA; MoWCA; BFID(BB); SID; MoA	<ul style="list-style-type: none"> • Increase the no. of usable cyclone shelters • Enhance post-disaster management and relief programmes agriculture and environment friendly, disaster resilient and affordable. <ul style="list-style-type: none"> • Ensuring that the Social Security system supports an effective disaster response system 	1. Construction of Bridges/Culverts more or Less 15 meter Long on the Rural Roads. (01/01/2016-30/06/2019)	36843.6	1. Reduce cyclone damage extent and vulnerable people by construction and retrofit usable cyclone shelters		1. Community based disaster resilience projects	Mainstreaming Gender , disable and climate sensitive approach for DRR Guidelines for Disaster resilience and disable Friendly housing Policy to integrate DM in district development plans Revision of D-Form	
					2. Procurement of Salaine Water Treatment Plant for Coastal Region (01/07/2013-31/12/2018)	1890.56	2. Installation of solar panels on fisherman boats.		2.Strengthening disaster preparedness for effective response and early warning		
							3.Reduce average flood extent and flood vulnerable people		3. Disaster related survey to get disaggregated data		
							4. ICT based countrywide earthquake seismic monitoring system				
					3. Procurement of Equipment for Search and Rescue Operation for Earthquake and Other Disaster (Phase-2) (01/07/2015-31/12/017)	1589.10	5. Establish early warning systems for Draught, Lighting and Tsunami		4. Integrated Safer built Environment	5. Policy to establish partnerships for disaster resilience with the private sector focused roles, responsibilities, investment priorities and incentives Including regulations. 6. Policy to implement refugee related issues.	
					4. Urban Resilience Project DDM Part. (01/07/2015-30/06/2020)	1255.00	6. Increase number of Rural communities with disaster resilient		5. Strengthen regional networks and agreements fo real time data sharing on disaster risk		
					5. Construction of Multipurpose Cyclone Shelter in the coastal Belt and Cyclone Prone Areas						

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					(2nd Phase) (01/07/2013-30/06/2017)	5331.60	habitats and community assets		6. Establish Disaster Management Fund	7. Policy measures for attracting Microfinance in environmentally and disaster prone areas. 8. Inclusion DDR and CCA in development projects.	
					6. Construction of Herring Bone Bond(HBB) Road for sustainable Rural Earthen Roads. (01/07/2016-31/12/2018)	12382.7	7. Develop National Volunteer Organization				
					7. Emergency Cyclone Recovery and Restoration Project (ECRRP):Disaster Risk Mitigation and Reduction-Revised(1/08/2008-31/12/2016)-	788.8					
					8. Construction of Flood Shelters in the Flood Prone and River Erosion Areas (2nd Phase) (01/07/2015-31/12/017)	1746.1	8. Strengthening disaster risk governance to manage disaster risk			9. Develop policy framework for addressing slow onset disasters such as waterlogging in south-west, riverbank erosion etc. 10. Guideline to promote DRR and CCA inclusion in district level and below development planning process. 11. Policy for widely disseminate regular reports on the changing risk profiles	
					9. Renovation and construction of MujibKella). (01/07/2017-30/06/2020)	6828.9	9. Addressing Disaster victims Trauma				
					10. The Disaster Risk Management Enhancement Project (Component -2& 3). (01/04/2017-30/06/2020)	13117.2	10. Extension of Pole-fitted megaphone, satellite phone, rescues boats etc.				
					11. Construction of Flood Shelters in the Flood Prone and River Erosion Areas (2nd Phase) (01/07/2017-31/12/020)						
					12. Construction of District Relief Godown cum Information Center (1/4/17-30/6/19)	1274.1					

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					13. Construction of Upazilla Relief Godown cum Information Center (1/4/17-30/6/19)	7840.00					
					14. National Resilience Programme Project (1/5/17-31/12/20)	290.00					
							11. Upgradation of disaster management information centre (DMIC)			12. Regular update Standing Orders on Disaster (SOD), National Disaster Management Policy and National Plan for Disaster Management 13. Guideline for International Assistance in Disaster Emergency	
							12. Establishment of National Emergency Operation Centre (NEOC) 13. Capacity building for implementation of an Incident Management System 14. Improvement of quick communication system between riverine and coastal belt and Capital city			14. MoU and bilateral agreements among the trans boundary natural hazards countries 15. Policy for retrofitting earthquake vulnerable buildings for major cities specially public buildings	

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Target 1.5: By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters	<u>1.5.1:</u> Number of deaths, missing persons and persons affected by disaster per 100,00 people.	Lead MoDMR <i>Co-Lead:</i> MoEF (DoE)	MoHA; MoInf; PTD; MoE; MoEWOE; MoF; MoHFW; MoSW; MoFL; MoWR; LGD; MoLWA; MoWCA; BFID(BB); SID; MoA		Ministry of Agriculture • 1. Char Development and Settlement Project-4 (Janu11-Dec2016)				4. Strengthening of IPM in Haor Agriculture.		Other responsible agencies: SOB, BBS, GED, WDB

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					<ul style="list-style-type: none"> Bangladesh Environment Framework (2016-2030) Ensure Communication in disaster prone areas or in disaster period Establishment of Wireless Broadband Network (December 2017) 	<ul style="list-style-type: none"> 73.57 50000 USD 30000 USD 					

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Target 1.5: By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters	1.5.1: Number of deaths, missing persons and persons affected by disaster per 100,000 people.	Lead Ministry MoDMR Co-Lead: MoEF (DoE)	MoHA; MoInf; PTD; MoE; MoEWOE; MoF; MoHFW; MoSW; MoFL; MoWR; LGD; MoLWA; MoWCA; BFID(BB); SID; MoA	<ul style="list-style-type: none"> Minimizing the climate impact, investment has to be made on the development of new agricultural seeds that would be stress tolerant and be able to grow in such inclement conditions. More arsenic free tube-wells have to be made available in high level arsenic contamination areas for ensuring safe health of the people Besides the impact on agricultural production due to floods, short-term measures are needed to help the victims of those disasters immediately. Increase investment and build more centers where the climate victims can take shelters. This will in turn help any relief activities that would be taken after the disaster. Priority should be given in drought prone areas in terms of inputs (e.g. irrigation, etc.) for agriculture that would help them to tackle droughts. Extension services to disseminate newly developed technologies and building materials which will be agriculture and environment friendly, disaster resilient and affordable. 	<ul style="list-style-type: none"> Char Development and Settlement Project 4 (Janu11-Dec2016) Establishment of Wireless Broadband Network (December 2017) Climate Finance Governance Improvement Project - (1) Updating the BCCSAP (2) Development of country specific vulnerability indicators and mapping with National and sectoral vulnerability assessment in agriculture, health, water and infrastructure sector 	73.57	<ul style="list-style-type: none"> Dissemination of Integrated Community-based Agricultural Adaptation in Climate Risk Prone Areas of Bangladesh. Diversification of Floating Gardens in the wet lands of Southern Bangladesh. Establishing community-based sustainable utilization and management of wetlands in selected regions of the country Projection of Sea Level Rise and Assessment of its Sectoral (Agriculture, Water and Infrastructure) Impacts" through - (i) estimation of Sea Level Rise in Bangladesh using Satellite Altimetry Data; (ii) projection of Sea Level Rise for the year 2030 	2000.0 500.00 1000.0 931.40 DAE 1500 BARI 500 GOB 931.40GOB 1217.8 1115.00 1217.8 BARI 7500	<ul style="list-style-type: none"> Dissemination of Integrated Community-based Agricultural Adaptation in Climate Risk Prone Areas of Bangladesh. Diversification of Floating Agriculture in Haor Areas. Establishing community-based sustainable utilization and management of wetlands in selected regions of the country Strengthening of IPM in Haor Agriculture. Adaptation Initiative for Climate Vulnerable Offshore Small Islands and Riverine Char Lands in Bangladesh. 	Updating the BCCSAP	
					<ul style="list-style-type: none"> Agricultural support for smallholder in South west region of Bangladesh (July, 2013-June 2018) National Agriculture 	1398.031					
						10291.4					

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				<ul style="list-style-type: none"> Ensuring that the Social Security system supports an effective disaster response system. 	<ul style="list-style-type: none"> Technology Project-2nd phase, (DAE, BARI, BRRI, BINA, BSRI, BJRI (2015-2021)) Establishment of Farmers Service Center and technology transfer at union level pilot project.(July, 2016 to June, 2018) 		<ul style="list-style-type: none"> 2050, 2070, 2100 developing digital elevation models (DEMs) in support of SLR decision-making and (iii) impacts of projected Sea Level Rise on Water, Agriculture and Infrastructure sectors of the coastal region with cost estimation for required investment. Eco-system base approaches to Adaptation (EbA) in the drought-prone Barind Tract and Haor 'Wetland' Area Integrated Agricultural Development Porject in South-west part of Bangladesh (July-2018-June-2022) (DAE) Afforestation and reforestation in Coastal Areas through Homestead Fruit tree Plantation 		<ul style="list-style-type: none"> Increasing the capacity at the local level to address climate change through providing capacity building initiatives for local government representative and representative from local volunteer organizations. Emphasis on Extension work to mitigate stress condition like drought, salinity, submergences flooding & other disasters (Bari, BRRI, BINA, BADC, DAE, BMDA, BINA, BSRI, BJRI, CDB)DAE 1200.00 BAR 5000 BJRI 1000 CDB 1000 BINA 500 GOB/PA (2021-2025/2026-2028) 		

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							2018-2021 (DAE) 500 GOB <ul style="list-style-type: none"> Extension of Vegetables and Spice cultivation on flotation Bed (July, 2018-June, 2021) (DAE) Expansion of Fruit Orchard for Uplifting Nutritional Status, Security and Employment of Coastal People of Bangladesh, July, 2017-June, 2022 (BADC) 1115.00 GOB Funding Development of stress tolerant vegetables, fruit pulses, oilseed and tuber crops with nutrient enriched varieties (BARI) Improvement of Farmer's Livelihood through Cropping Systems Research and Development in the Central and 		<ul style="list-style-type: none"> Extension of Climate smart soil and fertilizer management and climate smart crop varieties. Development of stress tolerant vegetables, fruits, pulses, oilseed and tuber crops with nutrient enriched varieties (BARI) 		

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							Southern Region of Bangladesh.				
	1.5.2 Direct disaster economic loss in relation to global gross domestic product (GDP)	Ditto	Ditto								
Target: 3.9: By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination	<u>Indicator 3.9.1:</u> Mortality rate attributed to household and ambient air pollution.	MoEF (DoE)	MoHFW; MoLE; SID	<ul style="list-style-type: none"> Expanding air quality management activities, focusing on gross diesel polluters, and the extension of air quality monitoring to major cities. Strict enforcement to control dust and other emissions at the construction site Strict enforcement of Brick Kiln Act 2013 for phasing out of traditional brick Kiln. Introduce cleaner fuel & transport standards to achieve environmental sustainability. Facilitate greater investment in public, mass transit options for cities. 	<ul style="list-style-type: none"> Clean Air and Sustainable Environment (CASE) Strengthening Institutional Capacity to reduce Short Lived Climate Pollution (SLCPs) Period is missing Market Development Initiative for Bondhu Chula (ICS) Period is missing 	1460.4 18.00 713.00 58.80	<ul style="list-style-type: none"> Clean Air and Sustainable Environment (CASE) Phase II Period and cost is missing Survey of Indoor Air Pollution Period and cost is missing 		<ul style="list-style-type: none"> Promotion of alternative material for brick making Control resuspension of road dust Control air pollution from construction work and industrial unit Piloting advanced and environment -friendly brick 	<ul style="list-style-type: none"> Strategy, policy and regulation for manufacturing and utilization of environmentally sound construction materials Air pollution Control Act and Rules 	

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
					<ul style="list-style-type: none"> Installation of 70,000 ICS in selected area of Bangladesh Period is missing 				manufacturing industry <ul style="list-style-type: none"> Capacity building for air pollution monitoring in DOE 		
Target: 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally.	Indicator 6.3.1: Proportion of wastewater safely treated	Lead ministry: LGD Co-Lead ministry: MoEF (DoE), MoInd	MoInd; MoFA; MoTJ; MoF; MoWR; MoS	<ul style="list-style-type: none"> Urban areas need integrated water treatment and efficient water supply facilities. Shifting the dependence on water supply from groundwater to surface water with improvement in surface water quality. Construction, operation and maintenance of water treatment plants, water abstraction facilities and water distribution system for providing drinking water to public, industries and commercial organizations, 	Strengthening Monitoring and Enforcement in Meghna River for Dhaka Sustainable Water Supply (01/07/2015-30/06/2017) Period is over	116.10	Introduce online monitoring system for effluent generating industries Period is missing	500.00	Enforce zero discharge policy for effluent generating industries		
	Indicator 6.3.2: Proportion of bodies of water with good ambient water quality.	Ditto	Ditto		<ul style="list-style-type: none"> GIS-based Water quality Monitoring System 	134.2	Restoration of River Water Quality around Dhaka City	200000	<ul style="list-style-type: none"> Assessment of major water bodies. Capacity building for water quality monitoring and enforcement 	Water Quality Act and Rules	
8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from	Indicator 8.4.1: Material footprint, material footprint per capita, and material footprint per GDP.	Lead Ministry: MoEF (BFD) Co lead: ERD, GED	Associate ministry: EMRD; MoWR; MoInd; MoL						<ul style="list-style-type: none"> 		
	Indicator 8.4.2: Domestic material	Ditto	Ditto	<ul style="list-style-type: none"> Ensure proper waste management system in place for good 	<ul style="list-style-type: none"> Establishment of regional bamboo 	172.00	<ul style="list-style-type: none"> Development of Improved Agar 	410.00	<ul style="list-style-type: none"> Not directly related to the target. 		

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environmental degradation, in accordance with the 10 Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead	consumption, domestic material consumption per capita, and domestic material consumption per GDP			environmental health economic development <ul style="list-style-type: none"> • Strengthen forestry extension activities to transfer improved technology and research information to end-users, e.g., local people and private homesteads • Conserve non-renewable resources and sustaining auto and eco-generation of renewable resources. • Preserve, protect and develop the natural resource base 	<ul style="list-style-type: none"> research and training center at Domar, Nilphamari (2017-2020) • Artificial inoculation of agar wood (<i>Aquilaria malaccensis</i> Lam.) by Chemical Inducing Agent(s) (2014-2019) • Production of nano composite from fibers of Acacia hybrid and simul (<i>Bombax ceiba</i>) tree species of Bangladesh (2013-2018) • Dissemination of developed technologies of BFRI to the end users. • Design and development of bamboo composite furniture and popularization of technology (2015-20) • Suitability of manufacturing medium density fiberboard (MDF) from rubber wood 	<div>1.00</div> <div>0.25</div> <div>10.00</div> <div>0.75 0.70</div>	inoculation technique (2018-2020) <ul style="list-style-type: none"> • Screening of Temperature resilience species in greenhouse condition. • Survey and preparation of statistics on production and consumption of forest resources (per capita, per GDP) • Assessment of homestead forest resources of Bangladesh Period is missing • Maximizing recycling of waste paper products Period is missing • Develop research extension linkage and disseminate developed technology to the end-user 	<div>2.00</div> <div>5.00</div> <div>10.00</div> <div>2.00</div> <div>10.00</div>	May come as usual ADP project. <ul style="list-style-type: none"> • Enhancing productivity of Rubber using efficient and modern technology • Maximizing recycling of waste products • Develop research extension linkage and disseminate developed technology to the end-user 		

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
					Project Title and P.eri od	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
					(Hevea brasiliensis) and hybrid acacia wood (2014-2020)		Period and cost is missing				
Target 11.5: By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations	Indicator 11.5.1 Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population	Lead: MoDMR Co lead: MoEF	MoHA;MoIrr; PTD;MoE MoEWOE; MoF;MoHFW; MoSW;MoFL, MoWR; LGD; MoLWA; MoWCA; BFID(BB); SID; MoA	<ul style="list-style-type: none"> Repetitive Indicator of 1.5.1 and 13.1.1. Same action plan as of Indicator 1.5.1 							
Target: 12.2: By 2030, achieve the sustainable management and efficient use of natural resources.	Indicator 12.2.1: Material footprint, material footprint per capita, material	Lead Ministry: MoEF (BFD) Co lead: ERD, GED	Associate ministry: EMRD; MoWR; MoInd; MoL								

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
	footprint per GDP.										
	<u>Indicator 12.2.2:</u> Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP	Ditto	Ditto	<ul style="list-style-type: none">Ensure proper waste management system in place for good environmental health economic developmentStrengthen forestry extension activities to transfer improved technology and research information to end-users, e.g., local people and private homesteadsConserve non-renewable resources and sustaining auto and eco-generation of renewable resources.Preserve, protect and develop the natural resource base	<ul style="list-style-type: none">Establishment of regional bamboo research and training center at Domar, Nilphamari (2017-2020)Artificial inoculation of agar wood (<i>Aquilaria malaccensis</i> Lam.) by Chemical Inducing Agent(s) (2014-2019)Production of nano composite from fibers of Acacia hybrid and simul (<i>Bombax ceiba</i>) tree species of Bangladesh (2013-2018)Dissemination of developed technologies of BFRI to the end users.Design and development of bamboo composite furniture and popularization of technology (2015-20)	172.00 1.00 0.25 10.00 0.75 0.70	<ul style="list-style-type: none">Development of Improved Agar inoculation technique (2018-2020)Screening of Temperature resilience species in greenhouse condition.Survey and preparation of statistics on production and consumption of forest resources (per capita, per GDP)Assessment of homestead forest resources of Bangladesh Period is missingMaximizing recycling of waste paper products Period is missingDevelop research extension	410.00 2.00 5.00 10.00 2.00 10.00	<ul style="list-style-type: none">Not directly related to the target. May come as usual ADP project.Enhancing productivity of Rubber using efficient and modern technologyMaximizing recycling of waste productsDevelop research extension linkage and disseminate developed technology to the end-user		

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
					Project Title and P.eri	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
					• Suitability of manufacturing medium density fiberboard (MDF) from rubber wood (<i>Hevea brasiliensis</i>) and hybrid acacia wood (2014-2020)		linkage and disseminate developed technology to the end-user Period and cost is missing				
Target: 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.	<u>12.4.1:</u> Number of parties to international multilateral agreements on hazardous waste, and other chemicals that meet their commitments and obligations in transmitting information as required by each relevant agreement.	Lead Ministry: MoEF (DoE)	Associate ministry: LGD; MoA; MoInd; MoHFW; MoTJ				<ul style="list-style-type: none"> • Ratification of Basel Ban • Ratification of New POPs convention • Ratification of Minamata Convention on Mercury • may go under column 9 		<ul style="list-style-type: none"> • Capacity building for information collection, update and reporting on hazardous waste and chemicals related to MEA • Update national implementation of Plan on POPs 		
	<u>12.4.2:</u> Hazardous waste generated per capita and proportion of hazardous waste treated, by type of treatment.	Lead Ministry: LGD Co-Lead Ministry: MoEF (DoE) 2	Associate ministry: MoInd; MoST; MoHFW		-Strengthening National Decision Making towards Ratification of the Minamata Convention and Build Capacity towards Implementation of Future Provisions of the People's Republic of Bangladesh Is it a project? If not then may go under column 9.	7.00			<ul style="list-style-type: none"> • Development of facilities for hazardous waste collection, storage, treatment and disposal • Development of inventory of hazardous chemicals and waste. 	Rules on environmental sound management of hazardous, chemical and waste	

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
									<ul style="list-style-type: none"> Capacity building for assessment, monitoring and management of hazardous chemicals and waste 		
Target 12.6: Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle	<u>12.6.1</u> Number of companies publishing sustainability reports	Lead: MoEF (DoE))	MoInd; MoC; MoFA						<ul style="list-style-type: none"> 		
Target 13.1: By 2030	Indicator 13.1.1: Number of deaths, missing persons and persons affected by disaster per 100,00 people.	Lead MoDMR <i>Co-Lead:</i> MoEF (DoE)	MoHA; MoInf; PTD; MoE; MoEWOE; MoF; MoHFW; MoSW; MoFL; MoWR; LGD; MoLWA; MoWCA; BFID(BB); SID; MoA	<ul style="list-style-type: none"> Repetitive Indicator of 1.5.1 and 11.5.1. Same action plan as of Indicator 1.5.1 							
Target 13.3: Improve education, awareness-raising and human and	<u>13.3.1</u> : Number of countries that have integrated mitigation, adaptation, impact reduction	Lead Ministry: MoEF (DoE+BCCT)	MoE; MoPME; MoHA; MoInf; MoInd	<ul style="list-style-type: none"> Design skill-focused training for resilient agriculture, industry, infrastructure, trade and other fields on principles of practical resilience. 	<ul style="list-style-type: none"> National Capacity Development for implementing Rio Conventions through 	181538.84	<ul style="list-style-type: none"> Establishment of climate change center at DoE to institutionalize climate 		<ul style="list-style-type: none"> Strengthened Climate Change wing of DoE with dedicated 		

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
institutional capacity on climate change mitigation, adaptation, impact reduction and early warning.	and early warning into primary, secondary and tertiary curricula.	Co-Lead Ministry: MoDMR	(BIM); MoD; LGD	<ul style="list-style-type: none"> Initiate research to understand how resilience principles could be used to improve education at different levels in Bangladesh. Mainstream poverty-environment-climate-disaster nexus in the project design phase, budgetary process, project implementation and monitoring process. 	<ul style="list-style-type: none"> Environmental Governance Agro-Meteorological Information System Development Project (July 2017 - June 2021) Primary educational development programme (July 2011 - December 2017) Enhancement of learning environment of selected madrasas in Bangladesh (2011-2016) Highlighting the initiatives and activities of PM's special contribution "Climate change Trust Fund" Project (March, 2017-June, 2018). 	1109.60	<ul style="list-style-type: none"> vulnerability assessment, conduct research and provide training to various stakeholders Stocktaking and update of environment and climate curricula at primary, secondary and tertiary level Technical Assistance for Enhancing longer lead-time flood forecasting and strengthened community dissemination in Bangladesh under CTCN initiative (2 Year) Enhanced institutional capacity through training for MoEF and DoE officials on climate change Developed Satellite-based (GIS) and Remote Sensing (RS) 	2000.00 500.00	officials for adaptation, mitigation, climate finance, technology transfer, green growth/low carbon development, JCM, CDM, CTCN, GHG inventory etc <ul style="list-style-type: none"> Climate Change related curricula is integrated and institutionalized at primary, secondary and tertiary level Developed Satellite-based (GIS) and Remote Sensing (RS) Awareness System for farmers about production risks. Improving farmers' knowledge 		

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
							Awareness System for farmers about production risks. <ul style="list-style-type: none"> Improving farmers' knowledge in carrying out agricultural activities to avoid risks of climate change. Period and cost is missing. Strengthening Integrated Pest Management system in Haor agriculture Integrated database system on climate change issues to collect climate related information, data and statistics in one mega information reservoir. 		in carrying out icultural activities to avoid risks of climate change. Regular activity, can't be a project <ul style="list-style-type: none"> Strengthenin g E-Agriculture & Managemen t Information System (MIS) at DAE. Mainstream poverty, climate, environment and disaster in project design, budgetary process, project implementat ion and monitoring process Continued efforts may not be a project. 		
	13.3.2. Number of countries that have communicated	Ditto	Ditto	<ul style="list-style-type: none"> Ensure effective environmental management activities by allowing inclusive 	<ul style="list-style-type: none"> Improved monitoring system on mitigation and 		<ul style="list-style-type: none"> Ecosystem-based Approaches to Adaptation 	42.00	<ul style="list-style-type: none"> Enhanceme nt of DOE for participatory 		

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
	the strengthening of institutional, systemic and individual capacity-building to implement adaptation, mitigation and technology transfer, and development actions.			<p>bottom-up participation in adaptation decision making, especially at the community level</p> <ul style="list-style-type: none"> Promote participatory, community-based environmental resource management and environmental protection (considering the access for the poor, equity, as well as gender issues) along with community based adaptation 	<p>adaptation initiatives projects</p> <ul style="list-style-type: none"> Community Based Adaptation in the Ecologically Critical Areas through Biodiversity Conservation and Social Protection (CBA-ECA) Project Bangladesh Weather and Climate Service Regional project (to 2021-22 FY) Strengthening the Metrological early Warning System Nationwide Climate Vulnerability Assessment (CVA) on Agriculture, Water, Infrastructure & Health Sectors covering the 64 districts and in selected hotspots (coastal, drought prone & flood/flash flood prone areas) under Climate Finance Governance 	<p>1210.19</p> <p>5201.5</p> <p>1210</p>	<p>(EbA) in the Drought-prone Barind Tract and Haor "Wetland" Area</p> <ul style="list-style-type: none"> Initiatives to institutionalize MRV system at DoE Implementation of "Bangladesh Environment, Forestry and Climate Change Country Investment Plan" Establishment of National Climate Change Centre at DoE for conducting climate change research, institutionalizing climate vulnerability assessment, and producing awareness and training materials. Establishment of Training & Research Institute on climate change & environment. 	<p>300</p> <p>500</p> <p>200</p> <p>500</p> <p>500</p> <p>430</p> <p>(4 m USD)</p> <p>2000</p>	<p>community based environmental resource management</p> <ul style="list-style-type: none"> Monitoring, Reporting and Verification (MRV) system is institutionalize at DoE 		

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
					<div>Project of MOEF. Period and cost is missing</div> <div><div></div><div>Preparation of NDC Implementation Roadmap along with Sectoral Action Plan on Power, Industry and Transport sector. (Individual and Institutional Capacity building is an integral part of the NDC Roadmap) period and cost is missing</div><div></div><div>Integrating Community Based Adaptation into Afforestation and Reforestation Programmes in Bangladesh</div><div></div><div>Presentation of weather Information and Early Warning at any Location of Bangladesh by Mobile Application (BMD)</div></div>		<div>Comprehensive Community based Adaptation programme in vulnerable areas of Bangladesh.</div> <div><div></div><div>Technical Assistance for Enhancing longer lead-time flood forecasting and strengthened community dissemination in Bangladesh under CTCN initiative (2 Year) period is missing</div><div></div><div>Strengthening Integrated Pest Management system in Haor agriculture.</div><div></div><div>Community-based Climate Resilient Fisheries and Aquaculture Development in Bangladesh</div><div></div><div>Under the Banner of BFRI, establish Climate Change Research Division</div></div>				

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
							<ul style="list-style-type: none"> Revenue activity. Strengthening capacity Building of Climate Change and Disaster Statistics (BBS) (4 m USD) Capacity Enhancement on Disaster Risk Reduction on DDM Construction of Upazila Disaster Management Information Centre (DDM) (1st + 2nd phase 245 upazial) Climate Resilient based capacity development in 5 Forest Traning Institutes (BFD) Establishment of Climate Change Adaptation and Mitigation Research Division At Barishal Under BFRI umbrella' 				

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
Target 13.a: Implement the commitment undertaken by developed-country parties to the United Nations Framework Convention on Climate Change to a goal of mobilizing jointly \$100 billion annually by 2020 from all sources to address the needs of developing countries in the context of meaningful mitigation actions and transparency on implementation and fully operationalize the Green Climate Fund through its capitalization as soon as possible.	Indicator 13.a.1: Mobilized amount of United States dollars per year starting in 2020 towards the \$100 billion commitment.	MoEF (MoEF+DoE)	ERD; MoFA; BFID; (BB)	<ul style="list-style-type: none"> One of the key strategies of the Seventh Five Year Plan will be to ensure effective partnership with development partners to ensure better use and results of foreign assistance. 			<ul style="list-style-type: none"> Capacity building of MoEF/DoE to prepare quality projects for GCF. 		<ul style="list-style-type: none"> Capacity building of other line agencies to prepare quality projects for GCF. Submission/approval of at least 5 projects from GCF through NIE/MIE. 		This target is mainly for the developed countries. Hence Bangladesh has little measures to fulfill this target. the information provided under 6.1, 7.1 & 8 are related to preparatory activities to access funds from GCF <ul style="list-style-type: none"> The number of project may vary due to availability of fund from GCF. We consider the number of project instead of amount of fund as target indicator since the amount of

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
											money may vary with the nature, location and extend of projects
Target 13.b: Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and Small Island developing States, including focusing on women, youth and local and marginalized communities.	13.b.1: Number of least developed countries and small island developing States that are receiving specialized support, and amount of support, including finance, technology and capacity-building, for mechanisms for raising capacities for effective climate change-related planning and management, including focusing on women, youth and local and marginalized communities.	Lead Ministry: MoEF (DoE+BCCT)	Associate Ministry: ERD; GED; MoInd	<ul style="list-style-type: none"> Support from development partners may be sought to analyse potential NIEs and to enhance their respective capacities including fiduciary capacities and practices. 			<ul style="list-style-type: none"> Improving the financial management (fiduciary) system at DoE. If project, then period and cost is missing. Conducting financial and technical needs assessment for addressing climate change in agriculture, water and health sector. Period and cost is missing. Several projects were implemented before without said assessment?? To initiate the transfer of the following 02 climate technologies through Climate Technology 		<ul style="list-style-type: none"> Taking projects/activities to transfer at least 10 climate technologies in the country. 		<ul style="list-style-type: none"> This target is mainly for the developed countries. Hence Bangladesh has little measures to fulfill this target. the information provided under 6.1, 7.1 & 8 are related to preparatory activities to access funds from GCF The number of project may vary due to availability of fund from GCF.

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
					Project Title and P. period	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
							Centre & Network (CTCN) - (1) Techn ology for Monitoring & Assessment of Climate Change Impact on Geo-morphology (Sea level rise/fall, Salinity, Sedimentation etc) in the Coastal Areas of Bangladesh (2) Techni cal assistance for saline water purification technology at household level and low-cost durable housing technology for coastal areas of Bangladesh Not directly related to the target				<ul style="list-style-type: none"> We consider the number of project instead of amount of fund as target indicator since the amount of money may vary with the nature, location and extend of projects
Target 14.2: 14.2 By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by	Indicator 14.2.1: Proportion of national exclusive economic zones managed using ecosystem-based approaches	Lead MoFL, Co lead: MoS, MoEF	MoEF; MoST; MoD; MoHA (CG); MoFL; MoFA								

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
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strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans											
Target 14.3: Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels.	Indicator 14.3.1: Average marine acidity (pH) measured at agreed suite of representative sampling stations	MoEF (DoE)	MoST; MoFL; MoFA; EMRD; MoS; MoInd; MoD	Blue Economy Action Plan					<ul style="list-style-type: none"> Identify area to establish representative sampling stations Quarterly measurement of the following parameters: <ul style="list-style-type: none"> pH Total Alkalinity Total acidity Collection of sample from the selected points Annual reporting on ocean acidification Establishment of coastal & marine wing at HQ along with the posting at 5 regional 		To address the impacts of ocean acidification need a new project including logistic support.

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
									offices of DoE. • Monitoring of the impact of land based pollution on the Bay of Bengal • Tally টবড results with the results of the monitoring station established by other country at the Bay of Bengal. all the activities mentioned above may be combined into an umbrella project • Take initiative to reduce the anthropogenic activities to control the marine acidification .		
Target 14.5: By 2020, conserve at least 10 per cent of coastal and marine	<u>Indicator 14.5.1</u> Coverage of protected areas in relation to marine areas	Lead Ministry: MoFL Co-Lead ministry MoEF (DoE+ BFD+DoF):	MoD (BN); MoFA; MoHA; MoS	• Cox's Bazaar-Teknaf Peninsula (20,373 ha) • Sundarbans (10 km landward periphery) (292,926 ha)		-	• Protection of Sundarbans Mangrove Forest, July 2016 to	7855.671	• Identify new areas of biodiversity significance for declaration	Revision of existing acts and regulations • Declaration of two more	PA indicator in SDG metadata and 7 th 5 year plan targets are different

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
areas, consistent with national and international law and based on the best available scientific information.				<ul style="list-style-type: none"> St. Martin's Island (1,214 ha) Sonadia Island (10,298 ha) Swatch of No-Ground (Bay of Bangal) (173,800 ha) Marine Reserve (Bay of Bangal by DoF) (69,800 ha) 5% of coastal and 1.34% of marine areas are targeted to be protected by 2020. 			December 2020		as Protected Area (PAs) and ECAs in costal and marine area <ul style="list-style-type: none"> Prepare and update management plan <u>CBD (Aichi) Target</u> New projects for: Marine and Coastal Protected Area coverage will be expanded from 3.28% (3968 sq km) to about 7% (8500 sq km) by declaring rest of the Sundarbans (IUCN category VI) under Protected Area network Initiatives can be taken to extend MPA coverage to 10% (12150 sq. km) by establishing a corridor between Swatch of no ground PA and Sundarbans,	marine reserved by 2030 <ul style="list-style-type: none"> Declaration of two more coastal fish sanctuary 	from each other New Project needed for Implementation and update of management plan for Pas and ECAs. Proper implementation of 65 seasonal banned period in marine water and 22 days mother Hilsha conservation

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
					Project Title and P. period	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
									surrounding area of st Martin (coral island) can be brought under PA network		
Target 15.1: By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and dry lands, in line with obligations under international agreements.	5.1.1: Forest area as a proportion of total land area.	MoEF (DoE+BFD)	MoA; MoCHTA; MoL; MoWR; MoFL; MoS	<ul style="list-style-type: none"> Increase productive forest coverage to 20% by 2020. 15% of land covered by forestry with 70% tree density At least 15% of the wetland in peak dry season is protected as aquatic sanctuary. Restore 20,000 acres of denuded Chokoria – Sundarbans Reserve Forest 	<ul style="list-style-type: none"> Bangladesh Climate Resilient Participatory Afforestation and Reforestation Project (2nd Revised), July 2012 to December 2016 Period over. Plantation Establishment at Five Coastal Districts of Bangladesh, July 2015 to June 2018 CDSP -4 (FD Component), January 2011 to December 2018 Enhancement of crop production through improved on Farm Water Management Technologies. (DAE) Not directly related 	2835.00	<ul style="list-style-type: none"> Newly Accreted Char Afforestation at the Coast of Bay of Bengal, July 2016 to June 2021 Project on Agricultural Mechanization, Preservation of Rain Water and Extension of Irrigation Facilities through the Maximum Use of Surface Water, July 2017-June 2021 (BADC Part) Modern Minor irrigation project through buried pipe, sprinkler irrigation in vegetable & fruit 	1082.10	<ul style="list-style-type: none"> Introduction of water saving technologies such as, drip irrigation, sprinkler irrigation, furrow irrigation, alternate furrow irrigation, deficit irrigation, etc. at farmers levels. 2021-2025 Increase water use efficiency through improved on-farm water management technologies such as AWD, Dug well, Buried 	<ul style="list-style-type: none"> New Forestry Master Plan has to be adopted 	
						163.46		1122.00	World Bank Funding		
						349.135			BMDA2000 GOB		
						345.70					
						1999.95					

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
					<ul style="list-style-type: none">Barind Rain Water Conservation and Irritgation Project (March'2011-June'2018) (BMDA)		production (BMDA)		Pipe, Hose Pipe, Raised Bed rice irrigation, Drip & Sprinklers irrigation, Hand shower irrigation, Mulching etc. (2021-2030)		
	5.1.2: Proportion of important sites or terrestrial and reshwater biodiversity that re covered by roTECTED areas, by ecosystem type	Ditto	Ditto	<ul style="list-style-type: none">Maintaining the coastal polders is a major challenge, while ensuring community level climate sustainability is also important.Resolving social conflicts and disputes regarding community level water managementEnsure effective environmental management activities by allowing inclusive bottom-up participation in adaptation decision making, especially at the community levelPromote participatory, community-based environmental resource management andenvironmentalprote ction.	<ul style="list-style-type: none">Bangabandhu Sheikh Mujib Safari Park, Gazipur (3rd Revised) March 2010 to December 2017Bangabandhu Sheikh Mujib Safari Park, Cox’s Bazar (1st Revised) July 2012 to June 2017Establishment of Botanical Garden at Lalmai Hill, July 2015 to June 2018Tiger Activity / Bengal Tiger Conservation Project , July 2014 to June 2018	3255.87 359.199 147.89 1123.61	<ul style="list-style-type: none">Development of Bhawal National Park Project, July 2014 to June 2018Bangabandhu Sheikh Mujib Safari Park, Cox’s Bazar (2nd Revised) July 2017 to June 2021Biodiversity Conservation and Ecotourism Development Project in Bangladesh (2nd Phase), July 2016 to June 2021Ecotourism Development and Sustainable Management of Modhupur National Park	3680.096 1900.00 1772.00 188.75 2071.655 249.955	<ul style="list-style-type: none">Amendment of Forest Act 1927 and Wildlife (conservation and security) Act 2012		

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					Project Title and P.eri od	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
							Engaging By Local and Indigenous People, July 2016 to June 2019	366.4			
							• Sheikh Rasel Aviary and Ecopark, Rangunia, Chittagong (2nd Phase), January 2017 to June 2021	179,50			
							• Biodiversity Conservation and Eco Restoration of MohamayaEco park, July 2016 to June 2021	128.49			
							• Ongoing project should go to 6.1				
							• Wildlife Conservation and Habitat Development of Bangladesh , January 2016 to December 2019				
							• Conservation of KhayacharaJha rna to Facilitate Eco-tourism in Baroidhala National Park Project, July 2016 to June 2021				
							• Expanding the Protected Area System to				

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					Project Title and P. period	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
							Incorporate Important Aquatic Ecosystem, July 2016 to June 2021				
Target 15.2: By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally	Indicator 15.2.1: Progress towards sustainable forest management	Lead Ministry: MoEF (BFD+BFIDC)	Associate Ministry: MoL; LGD; CD; MoInf	<ul style="list-style-type: none">Strengthen forestry extension activities to transfer improved technology and research information to the end-users.Conserve the Sundarbans Mangrove Forest (SMF) without any further deforestation and forest degradation.Ensure no forest land shall be converted for non-forest useEnsure no commercial plantation in protected forest areas where only native species for enrichment and restoration purposes can be undertaken.Creation of alternative livelihoods to lessen pressure on the SMFRivers and canals of the SMF will not be used for transporting goods and materials and other business purposes.Enhance social forestry programmesEnsure greater contribution of the forestry sector in the economic development	<ul style="list-style-type: none">UN REDD Bangladesh National Programme (July 2015 to June 2018)Strengthening National Forest Inventory and Satellite Land Monitoring System in Support of REDD+ in Bangladesh (January 2015 to December 2018)National Botanic Garden and Baldha Garden Conservation and Development Project, July 2016 to June 2019CREL Project, July 2014 to June 2018Establishment of Rangunia Rubber Estate in Chittagong Zone (1st Phase)	179.439	<ul style="list-style-type: none">Youth Led Community Oriented Natural Resource Conservation Project, July 2016 to June 2019Sustainable Forestry and Livelihood Project (SUFAL), July 2017 to June 2022Integrating Community Based Adaptation and Afforestation and Reforestation Programme in Bangladesh, July 2016 to June 2020Sundarbans Mangrove Forests for Biodiversity Conservation and Increased Adaptation to Climate Change, May	194.485	Development of mass propagation techniques including tissue culture of commercially important trees, medicinal plants and bamboo	Existing legal and policy documents <ul style="list-style-type: none">The Forest Act, 1927,Atia Forest Protection (ordinance) 1982;Wildlife (Management and Protection) Act 2012;Forest Policy, 1994;Forestry Master Plan, , Natural Water Reservoir Conservation Act 2000;Bangladesh Biological Biodiversity Act 2012;National Biodiversity Strategy and Action Plan (NBSAP)Budget for 2015-16 in million taka (Revenue & development)	New and updating policy documents <ul style="list-style-type: none">*Bangladesh National Conservation Strategy*Forestry Master Plan updating* National Forest Policy 2016 (updating)*Co-management : 26 PA*Management Plan* Country Investment Plan* National Conservation StrategyShould go to column 9 Should not be placed here
						236.705	13825.00				
					98.089	589.446					
					1101.541						
					BDT\ 108.79 million	99.0					
					BDT 29.90 million						

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
					Project Title and P. period	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
					:Duration -July/2012) (June/2017 <ul style="list-style-type: none"> Pilot plant study and production of cement bonded particle board in small scale industry as an environmental friendly durable materials :Duration -July/2011) (June/2018 Assessment of carbon sequestration in different forest and mangrove species(2012-2017) Period over Selection of salt tolerant fruit and medicinal tree species in the coastal areas of Bangladesh (2014-2018). Not directly related Growth performance of bamboo and rattan in the coastal raised lands of Bangladesh (2016-2020). 	2.00 2.50 2.00 3.00	2015 to April 2019 <ul style="list-style-type: none"> Establishment of Rawjan – Rangunia Rubber Estate in Chittagong Zone (Proposed) Not directly related Programme on standard tapping for ensuring tenure of rubber trees for enhancing its economic life not directly related Quality seed source development and its popularization(2017-2021) Selection of salt tolerant mangrove species for coastal areas of Bangladesh in relation to climate change issues. Potentiality of eco-restoration and conservation of natural forest through 	2.00 3.00 1.00 5.00 5.00		*ADP: 2988.3Revenue Budget : 2716.69 Existing manpower *Total Manpower: 8681 Technical person : 2300 (up to Forester) <ul style="list-style-type: none"> Protected Area (PA): Co-mgt and Mgt plan National These are information not policy 	

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					Project Title and P.eri od	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
					<ul style="list-style-type: none"> Plantation techniques of some under storied mangrove associates inside Keora plantations in the coastal belt of Bangladesh (2016-2020). 		<ul style="list-style-type: none"> assisted natural regeneration (ANR) Biological control of pest and disease management in nursery, forest plantations and NTFP Assessment of co-management tools for protected area management. Development of agro forestry models for forest and newly accreted char land Germplasm conservation of indigenous forest species (mangrove and mainland species), NTFPs and Medicinal plants 				
Target 15.3: By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to	<u>Indicator15.3.1:</u> Proportion of land that is degraded over total land area.	Lead Ministry: MoEF (DoE+BFD+B FRI) Co-Lead ministry: MoL	MoA; MoWR; LGD, MoDMR	<ul style="list-style-type: none"> Promote science-led agriculture technology systems and encourage research and adoption of modern agricultural practices for development of drought, submergence and saline prone agriculture considering water and time economy, adaptation to climate change, proper 	<ul style="list-style-type: none"> Safe crop production through Integrated Pest Management (IPM) Approach. (July13-July18) Integrated Farm Management Component, Agricultural Growth and 	585.00 4320.00 43.61	<ul style="list-style-type: none"> Soil Fertility and Productivity Improvement through Integrated Plant Nutrition System. Period and cost missing Extension of Integrated Horticulture 	-- --	<ul style="list-style-type: none"> Strengthenin g micro nutrient management for sustainable crop production. Extension of less water consuming crops in 		Mainstreamed in selected policies and commitments <ul style="list-style-type: none"> High level agreement ,to avoid minimize or reverse ;LD

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
achieve a land degradation-neutral world.				<div>use of genetically modified technology in agriculture, and promote adoption of modern agricultural practices in dry land, wetland, hills and coastal areas including use of environment friendly green technologies (e.g. IPM, INM, AWD, etc.) and climate smart/resilient technologies;</div> <div><div>• Introduce salinity, submergence and other stress tolerant varieties specially in theSouthern regions;</div><div>• Establish national drought monitoring system</div><div>• Assessment of ecosystem degradation and mitigate impacts of drought in dry land <i>Barind</i> ecosystem.</div><div>• Conservation and manage watershed and soil</div></div>	<div>Employment Programme. (July13-June18)</div> <div><div>• Environment friendly safe food production through GAP. (July14-June17)</div><div>• Extension of dwarf Coconut tree plantation in coastal area. (January16-Dec18)</div><div>• Eco-restoration in the Northern Region of Bangladesh, July 2015 to June 2019</div><div>• Selection of drought resistant forest tree species with particular reference to northern region of Bangladesh</div><div>• Bangladesh: Revision and Alignment of National Action Program (NAP) with UNCCD 10-years Strategic Plan and Framework should go under column 9</div></div>	<div>92.57</div> <div>217.453</div> <div>5.00</div>	<div>Approaches in Hilly Areas.</div> <div><div>• Extension of Saline Tolerant crop/Varieties in Salaine Prone Areas.</div><div>• Period missing</div><div>• Afforestation and Reforestation in Coastal Areas through Homestead Fruit tree Plantation</div><div>• Sustainable Development Through Social Forestry at Greater Rangpur District, July 2016 to June 2020</div><div>• Soil and Watershed conservation Management by bioengineering in CHT</div><div>• Development of improved management techniques for degraded forest land</div></div>	<div>----</div> <div>1000.00</div> <div>236.50</div>	<div>drought areas.</div> <div><div>○ Extension of Saline Tolerant crop/Varieties in Saline Prone Areas.</div><div>• Afforestation and Reforestation in Coastal Areas through Homestead Fruit tree Plantation</div><div>• Repeating</div><div>• Land degradation transformative projects</div></div>		

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
Target 15.4: By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development	Indicator 15.4.1: Coverage by protected areas of important sites for mountain biodiversity	Lead Ministry: MoEF	Associate Ministry: MoA; MoCHTA; MoCAT; MoL; LGD	<ul style="list-style-type: none"> Ensure conservation of biodiversity and its sustainable utilization Preserve, protect and develop the natural resource base New area will be brought under Tourism Protected Area 	<ul style="list-style-type: none"> Restoration of degraded Sal forest through mixed plantation with Sal associates. 	3.00	<ul style="list-style-type: none"> Reforestation at Sylhet Forest Division for Combating Adverse Impact of Climate Change, (July 2016 to June 2019) 	700.00	National Tourism Policy 2010		
					<ul style="list-style-type: none"> Floristic composition and regeneration status of PAs, village common forest in CHT 	1.00	<ul style="list-style-type: none"> Reforestation at Hill Forest Through Participatory Forestry, (July 2016 to June 2020) Exploration, documentation and conservation of wild fruit trees. 	8.00 3.00			
Target 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	Indicator 15.5.1: Red List Index	Lead Ministry: MoEF	Associate Ministry: MoFL; MoA; MoInf	<ul style="list-style-type: none"> Initiative will be undertaken to update NBSAP in line with the Aichi Biodiversity Targets and implement the NBSAP as global commitments. Ensure integration of biodiversity into National Adaptation Plan (NAP) and nationally appropriate mitigation action (NAMA). Assess and benefits sharing mechanisms will be established as well as Nagoya Protocol on ABS will be ratified with enactment of Bangladesh Biological Biodiversity Act. National capacity will be built to address the 	<ul style="list-style-type: none"> Strengthening Regional Cooperation for Wildlife Protection (01/07/2011-31/12/2016) Survey on Vascular Flora of Chittagong and the Chittagong Hill Tracts (01/07/2015-30/06/2017) Conservation & Development of National Botanical Garden & Balda Garden 	90 71 98	<ul style="list-style-type: none"> Biodiversity Conservation & Restoration in Mahamaya Eco park 	249.95	<ul style="list-style-type: none"> Restructuring of wildlife wing as proposed by BFD (revenue activity) develop projects 	<ul style="list-style-type: none"> Amendment of forest act 1927 Amendment of wildlife (conservation & security) act 2012 Promulgation of protected area rules Promulgation of 21 rules developed under wildlife act Approval of forestry master plan New forest policy 	

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
					Project Title and P.eri od	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
				research and development on genetic resources. • Create awareness and education on biodiversity. • Use indigenous and traditional knowledge on Biodiversity. • Stop and minimize ecosystem pollution from all sources.						• Country Investment Plan.	
Target 15.6: Promote fair and equitable sharing of the benefits arising from the utilization of genetic resources and promote appropriate access to such resources, as internationally agreed	15.6.1: Number of countries that have adopted legislative, administrative and policy frameworks to ensure fair and equitable sharing of benefits	MoEF	MoA; MoFL MoST							• Promulgation of Bangladesh Biodiversity Act 2017 • Promulgation of rules under Bangladesh Biodiversity Act 2017 • Preparation of regulations and guidelines under Bangladesh Biodiversity Act 2017.	
Target 15.7: Take urgent action to end poaching and trafficking of protected species of flora and fauna and address both demand and supply of	Indicator 15.7.1: Proportion of traded wildlife that was poached or illicitly trafficked	Lead Ministry: MoE F (DoE)	Associate Ministry: LJD; MoFL; MoHA	• Undertake special protection measures to minimize the existing threats • Review IUCN Red list and other documents on the state of endangered and threatened species • Keep the Sundarbans' biophysical characteristics intact	• Strengthening Regional Cooperation for Wildlife Protection (01/07/2011-31/12/2016) • Bangabondhu Sheikh Mujib Safari Park, Gazipur (3rd Revised)	2680.98 3255.877	• Ecosystem & Habitat Mapping (DoE) • Sundarbans Protection project • Sustainable Management & ecotourism Development of Madhupur	1772 7855.67 188.75	• Poaching and Trafficking of wildlife will be reduced to 100% not at all relevant	• Wildlife crime control unit rules has to be promulgated	

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SDG Targets	Global Indicators for SDG Targets	Lead/Co-Lead Ministries/ Division	Associate Ministries/ Divisions	7th FYP Goals/Targets related to SDG Targets and Indicators	On-going Project/Programme to achieve 7th FYP Goals/ Targets		Requirement of New Project/Programme up to 2020		Actions/ Projects beyond 7th FYP Period (2021-2030)	Policy/ Strategy if needed (in relation with Column 8)	Remarks
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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
illegal wildlife products				through all sorts of protective measures.	(01/03/2010-30/12/2017) • Bangal Tiger Conservation Activity (01/07/2014-30/06/2018)	1123.6	National park by engaging local and indigenous people • Wildlife conservation & habitat development in Bangladesh	366.49			
Target 15.8: By 2020, introduce measures to prevent the introduction and significantly reduce the impact of invasive alien species on land and water ecosystems and control or eradicate the priority species.	15.8.1: Proportion of countries adopting relevant national legislation and adequately resourcing the prevention or control of invasive alien species.	MoEF	MoA; MoFL	<ul style="list-style-type: none"> Ensure no commercial plantation in protected forest areas where only native species for enrichment and restoration purposes can be undertaken. Bangladesh Biological Diversity Act will be enacted as well as necessary rules will be framed. 							
Target 15.9: By 2020, integrate ecosystem and biodiversity values into national and local planning, development processes, poverty reduction	15.9.1: Progress towards national targets established in accordance with Aichi Biodiversity Target 2 of the Strategic Plan for Biodiversity 2011-2020.	MoEF	GED; LGD; SID	<ul style="list-style-type: none"> Value goods and services provided by ecosystem and biodiversity to accomplish integration of these values into the national accounting system. Enhance PES with appropriate strategies and policies for poverty reduction Updating of NBSAP 	• CBA-ECA project	400					Include ecosystem and biodiversity values in education curricula

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					Project Title and P. period	Cost in BDT (million)	Project Title and Period	Cost in BDT (million)			
1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
strategies and accounts.											
Target: 15.c: Enhance global support for efforts to combat poaching and trafficking of protected species, including by increasing the capacity of local communities to pursue sustainable livelihood opportunities.	Indicator 15.c.1: Proportion of traded wildlife that was poached or illicitly trafficked.	MoEF (BFD)	LGD; MoHA; MoD	<ul style="list-style-type: none"> Review IUCN Red list Apply global commitments as a party to the United National Convention on Biological Diversity. Bring new areas under forest coverage through social forestry. Sustain and replicate community based resource management. Enhance reforestation and forest protection under carbon credit and REDD 	Strengthening Regional Cooperation for Wildlife Protection (01/07/2011-31/12/2016)	2839.6				<ul style="list-style-type: none"> Wildlife crime control unit rules has to be promulgated 	
Target 17.7: Promote the development, transfer, dissemination and diffusion of environmentally sound technologies to developing countries on favorable terms, including on	Indicator 17.7.1: Total amount of approved funding for developing countries to promote the development, transfer, dissemination and diffusion of environmentally sound technologies.	MoEF (DoE)	ERD; MoFA; MoST; MoInd; PMO (BOI); MoDMR; IRD	One of the key strategies of the Seventh Five Year Plan will be to ensure effective partnership with development partners along with NGOs, Multinational Companies so that greater technology transfer is facilitated. Environmentally sound, climate smart and energy efficient Technology transfer/dissemination activities need to be			<ul style="list-style-type: none"> Strengthening institutional and technical Capacity of DoE for proper utilization of global climate funds. At least 15 technology transfer related projects are implemented under Green Climate fund 			<ul style="list-style-type: none"> Technology Needs Assessment (TNA) and Technology Action Plan (TAP) for both adaptation and mitigation should be updated 	This SDGs target is meant for the Developed Countries. Here, DoE wants to share what Bangladesh received in this Area.

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1	2	3	4	5	6.1	6.2	7.1	7.2	8	9	10
concessional and preferential terms, as mutually agreed.				strengthened in every sector like Agriculture, Water, Industry, Forestry and Infrastructure sector.			(GCF), Multilateral (GEF, UNEP & UNDP) and Bilateral support.				