

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored ex post

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Monitoring period	Monitoring point No.	Parameters	Description of data	Monitored Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments
12 March 2018 to 31 December 2020	(1)	$CA_{p iy}$	(Option 1) Area converted from forest class i to non-forest in the project area in year y	-	ha	Option A	Cambodia's official forest map (National Land Cover Map published by the Ministry of Environment)	Area of converted forest class to non-forest with error-adjusted area estimates applied as a factor. Calculated by extracting (histogram) of each forest class area from the Government official forest maps (or other approved data sources) at monitoring period start and monitoring period end. The area of forest conversion, from beginning to end of the monitoring period, to non-forest for each forest class is then adjusted based on accuracy as established using best practice methods and formulas as described in Olsson et al. (2014).	-	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(2)	$CA_{d iy}$	(Option 1) Area converted from forest class i to non-forest in the displacement belt in year y	-	ha	Option A	Cambodia's official forest map (National Land Cover Map published by the Ministry of Environment)	Area of converted forest class to non-forest with error-adjusted area estimates applied as a factor. Calculated by extracting (histogram) of each forest class area from the Government official forest maps (or other approved data sources) at monitoring period start and monitoring period end. The area of forest conversion, from beginning to end of the monitoring period, to non-forest for each forest class is then adjusted based on accuracy as established using best practice methods and formulas as described in Olsson et al. (2014).	-	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(3)	FC_{iy}	(Direct method) Quantity of fuel type f consumed in year y	-	kg	Option B	Invoices, project management record	All purchase records of fuel used for the project activities, and record type and amount of fuel and type of vehicle/equipment were collected.	Once every year	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(4)	NVE_{iy}	(Indirect method) Number of vehicle or equipment type j using fuel type f in year y	-	unit	Option C	Project management record	Not measured as Direct method was selected.	-	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(5)	TDU_{iy}	(Indirect method) Total travel distance for vehicle type j or use hours for equipment type j using fuel type f in year y	-	km or hour	Option C	Project management record (trip record etc)	Not measured as Direct method was selected.	-	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(6)	SEC_{if}	Average specific energy consumption of vehicle or equipment type j for fuel type f	-	kg km ⁻¹ or hour ⁻¹	Option A/C	Manufacturer specifications or measurement	Not measured as Direct method was selected.	-	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(7)	M_{SNcy}	Mass of synthetic fertilizer applied for implementation of the project activities in cropland type c in the project area and the activity area in year y	-	t	Option B	Invoices, project management record	No synthetic fertilizer was used for the project during the monitoring period.	Once every year	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(8)	M_{ONcy}	Mass of organic fertilizer made from materials sourced from outside of the project area and the activity area and applied for implementation of the project activities in cropland type c in the project area and the activity area in year y	-	t	Option C	Invoices, project management record	No organic fertilizer made from materials sourced from outside of the project area and the activity area was applied.	Once every year	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(9)	NC_{SNc}	Nitrogen content of synthetic fertilizer applied in cropland type c	-	tN (t fertilizer) ⁻¹	Option A	Data from producers of synthetic fertilizer	-	Once before the initial verification	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(10)	NC_{ONc}	Nitrogen content of organic fertilizer applied in cropland type c	-	tN (t fertilizer) ⁻¹	Option A	Published data	-	Once before the initial verification	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(11)	$Crop_{cTy}$	Harvested annual dry matter yield for N-fixing crop T per unit area, introduced for implementation of the project activities in cropland type c in the project area and the activity area in year y	-	t d.m. ha ⁻¹	Option A	Published data or Project management record	Published average dry yield data for the N-fixing crop is used.	Once every year	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(12)	$Area_{cTy}$	Total annual area harvested of N-fixing crop T , introduced for implementation of the project activities in cropland type c in the project area and the activity area in year y	-	ha	Option C	Project management record	Area harvested N-fixing crop by interviewing farmers was recorded.	Once every year	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(13)	R_{AGT}	Ratio of above-ground residues to harvested yield for N-fixing crop T	-	t d.m. (t d.m.) ⁻¹	Option A	Published data or calculation	Calculated based on Table 11.2 of Ch. 11, Vol. 4 of 2006 IPCC Guidelines, published yield data.	Once before the initial verification	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(14)	R_{BGT}	Ratio of below-ground residues to harvested yield for N-fixing crop T	-	t d.m. (t d.m.) ⁻¹	Option A	Published data or calculation	Calculated based on Table 11.2 of Ch. 11, Vol. 4 of 2006 IPCC Guidelines, published yield data.	Once before the initial verification	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(15)	N_{AGT}	N content of above-ground residues for N-fixing crop T	-	t N (t d.m.) ⁻¹	Option A	Published data	Table 11.2 of Ch. 11, Vol. 4 of 2006 IPCC Guidelines	Once before the initial verification	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(16)	N_{BGT}	N content of below-ground residues for N-fixing crop T	-	t N (t d.m.) ⁻¹	Option A	Published data	Table 11.2 of Ch. 11, Vol. 4 of 2006 IPCC Guidelines	Once before the initial verification	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(17)	$Frac_{RenewT}$	Fraction of total area under N-fixing crop T that is renewed annually	-	dimensionless	Option C	Interview	Interview for local agriculture expert	Once before the initial verification	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(18)	$M_{limestoney}$	Mass of calcic limestone (CaCO ₃) applied for implementation of the project activities in the project area and the activity area in year y	-	t	Option B	Invoices, project management record	No calcic limestone was applied during the monitoring period.	Once every year	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(19)	$M_{dolomitey}$	Mass of dolomite (CaMg(CO ₃) ₂) applied for implementation of the project activities in the project area and the activity area in year y	-	t	Option B	Invoices, project management record	No dolomite was applied during the monitoring period.	Once every year	Input on "MRS(input_PJ_Opt1)" sheet
12 March 2018 to 31 December 2020	(20)	M_{ureay}	Mass of urea fertilizer applied for implementation of the project activities in the project area and the activity area in year y	-	t	Option B	Invoices, project management record	No urea fertilizer was applied during the monitoring period.	Once every year	Input on "MRS(input_PJ_Opt1)" sheet

Table 2: Project-specific parameters fixed *ex ante*

(a) Parameters	(b) Description of data	(c) Estimated	(d) Units	(e) Source of data	(f) Other comments
A_{i0}	Area of forest class i in the project area at the inception of the project	-	ha	Cambodia's official forest map	Input on "MPS(input_RL_Opt1)" sheet
A_{i10}	Area of forest class i in the displacement belt at the inception of the project	-	ha	Cambodia's official forest map	Input on "MPS(input_RL_Opt1)" sheet
d_y	Number of operating days in year y	-	days	Decided based on starting date of project operation and expected operational lifetime of project	Input on "MPS(input_RL_Opt1)" sheet
d_{0y}	Number of days in year y	-	days	Automatically decided by number of year y	Input on "MPS(input_RL_Opt1)" sheet
P_E	Annual transition probability from Evergreen forest (E) to non-forest within the reference area	0.0249	dimensionless	Automatically decided by number of year y	Input on "MPS(input_RL_Opt1)" sheet
P_{SE}	Annual transition probability from Semi-evergreen forest (SE) to non-forest within the reference area	0.0309	dimensionless	Cambodia's official forest reference level (FRL)	
P_P	Annual transition probability from Pine forest (P) to non-forest within the reference area	0.0000	dimensionless	Cambodia's official forest reference level (FRL)	
P_D	Annual transition probability from Deciduous forest (D) to non-forest within the reference area	0.0345	dimensionless	Cambodia's official forest reference level (FRL)	
P_B	Annual transition probability from Bamboo (B) to non-forest within the reference area	0.0141	dimensionless	Cambodia's official forest reference level (FRL)	
P_M	Annual transition probability from Mangrove (M) to non-forest within the reference area	0.0100	dimensionless	Cambodia's official forest reference level (FRL)	
P_{MR}	Annual transition probability from Rear Mangrove (MR) to non-forest within the reference area	0.0417	dimensionless	Cambodia's official forest reference level (FRL)	
P_{FF}	Annual transition probability from Flooded forest (FF) to non-forest within the reference area	0.0506	dimensionless	Cambodia's official forest reference level (FRL)	
P_{FR}	Annual transition probability from Forest regrowth (FR) to non-forest within the reference area	0.0972	dimensionless	Cambodia's official forest reference level (FRL)	
P_{TP}	Annual transition probability from Tree plantation (TP) to non-forest within the reference area	0.1169	dimensionless	Cambodia's official forest reference level (FRL)	
P_{PP}	Annual transition probability from Pine plantation (PP) to non-forest within the reference area	0.0000	dimensionless	Cambodia's official forest reference level (FRL)	
P_{dE}	Annual transition probability from Evergreen forest (E) to non-forest within the displacement belt	0.0249	dimensionless	Cambodia's official forest maps	
P_{dSE}	Annual transition probability from Semi-evergreen forest (SE) to non-forest within the displacement belt	0.0309	dimensionless	Cambodia's official forest maps	
P_{dP}	Annual transition probability from Pine forest (P) to non-forest within the displacement belt	0.0000	dimensionless	Cambodia's official forest maps	
P_{dD}	Annual transition probability from Deciduous forest (D) to non-forest within the displacement belt	0.0345	dimensionless	Cambodia's official forest maps	
P_{dB}	Annual transition probability from Bamboo (B) to non-forest within the displacement belt	0.0141	dimensionless	Cambodia's official forest maps	
P_{dM}	Annual transition probability from Mangrove (M) to non-forest within the displacement belt	0.0100	dimensionless	Cambodia's official forest maps	
P_{dMR}	Annual transition probability from Rear Mangrove (MR) to non-forest within the displacement belt	0.0417	dimensionless	Cambodia's official forest maps	
P_{dFF}	Annual transition probability from Flooded forest (FF) to non-forest within the displacement belt	0.0506	dimensionless	Cambodia's official forest maps	
P_{dFR}	Annual transition probability from Forest regrowth (FR) to non-forest within the displacement belt	0.0972	dimensionless	Cambodia's official forest maps	
P_{dTP}	Annual transition probability from Tree plantation (TP) to non-forest within the displacement belt	0.1169	dimensionless	Cambodia's official forest maps	
P_{dPP}	Annual transition probability from Pine plantation (PP) to non-forest within the displacement belt	0.0000	dimensionless	Cambodia's official forest maps	
EF_E	Emission factor applicable for Evergreen forest (E)	91.3000	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
EF_{SE}	Emission factor applicable for Semi-evergreen forest (SE)	135.1100	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
EF_P	Emission factor applicable for Pine forest (P)	56.5400	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
EF_D	Emission factor applicable for Deciduous forest (D)	48.2100	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
EF_B	Emission factor applicable for Bamboo (B)	0.0000	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
EF_M	Emission factor applicable for Mangrove (M)	84.1500	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
EF_{MR}	Emission factor applicable for Rear Mangrove (MR)	92.4000	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
EF_{FF}	Emission factor applicable for Flooded forest (FF)	39.8600	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
EF_{FR}	Emission factor applicable for Forest regrowth (FR)	42.6500	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
EF_{TP}	Emission factor applicable for Tree plantation (TP)	56.5400	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
EF_{PP}	Emission factor applicable for Pine plantation (PP)	56.5400	tC ha ⁻¹	Cambodia's official forest reference level (FRL)	
NCV_f	Net calorific value of fuel f	-	GJ kg ⁻¹	2006 IPCC Guidelines Tables 1.2	Input on "MPS(input_PJ_Opt1)" sheet
$EF_{fuel f}$	CO ₂ emission factor of the fuel type f combusted	-	tCO ₂ GJ ⁻¹	2006 IPCC Guidelines Tables 2.5 and 3.2.1	Input on "MPS(input_PJ_Opt1)" sheet

Table3: Ex-post calculation of CO₂ emission reductions to be credited

Monitoring period	CO ₂ emission reductions		Units
12 March 2018 to 31 December 2020	during period p	900,770	ICO ₂ /p
	Year		
		2018	278,017 ICO ₂ /y
		2019	323,988 ICO ₂ /y
		2020	298,765 ICO ₂ /y
		2021	0 ICO ₂ /y
		2022	0 ICO ₂ /y
		2023	0 ICO ₂ /y
		2024	0 ICO ₂ /y
		2025	0 ICO ₂ /y
		2026	0 ICO ₂ /y
		2027	0 ICO ₂ /y
		2028	0 ICO ₂ /y
		2029	0 ICO ₂ /y

[Monitoring option]

Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

Parameters		A _y											ΔCS _{ref,y}											RL _y	d _y	d _y				
Description of data		Area of forest class <i>i</i> in the project area in year <i>y</i>											Projected carbon stock change in the project area in year <i>y</i>											Project reference level in year <i>y</i>	number of operating days in year <i>y</i>	number of days in year <i>y</i>				
Units		ha											tC											tCO ₂ y ⁻¹	days	days				
Forest class <i>i</i>		Evergreen forest	Semi-evergreen forest	Pine forest	Deciduous forest	Bamboo	Mangrove	Rear Mangrove	Flooded forest	Forest regrowth	Tree plantation	Pine plantation	non forest	Evergreen forest	Semi-evergreen forest	Pine forest	Deciduous forest	Bamboo	Mangrove	Rear Mangrove	Flooded forest	Forest regrowth	Tree plantation	Pine plantation	non forest	-	-	-		
Inception of the project	2018	57850	16819	0	8638	1014	0	0	0	2418	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Year	2018	56,686	16,399	0	8,397	1,002	0	0	0	2,228	0	0	2,027	106,293	56,750	0	11,611	0	0	0	0	8,100	0	0	0	0	670,101	295	365	
	2019	55,275	15,892	0	8,107	988	0	0	0	2,011	0	0	4,465	128,868	68,463	0	13,966	0	0	0	0	9,235	0	0	0	0	808,618	365	365	
	2020	53,898	15,401	0	7,827	974	0	0	0	1,816	0	0	6,822	125,659	66,347	0	13,484	0	0	0	0	8,338	0	0	0	0	784,038	366	366	
	2021	52,556	14,925	0	7,557	960	0	0	0	1,639	0	0	9,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2022	51,247	14,464	0	7,297	947	0	0	0	1,480	0	0	11,303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2023	49,971	14,017	0	7,045	933	0	0	0	1,336	0	0	13,435	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2024	48,727	13,584	0	6,802	920	0	0	0	1,206	0	0	15,499	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2025	47,514	13,164	0	6,567	907	0	0	0	1,089	0	0	17,497	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2026	46,331	12,757	0	6,341	895	0	0	0	983	0	0	19,432	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2027	45,177	12,363	0	6,122	882	0	0	0	888	0	0	21,306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	44,052	11,981	0	5,911	869	0	0	0	801	0	0	23,123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2029	42,955	11,611	0	5,707	857	0	0	0	723	0	0	24,884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,262,758	-	-		

Monitoring Report Sheet (Calculation Process Sheet) [For Verification]				
1. Calculations for emission reductions to be credited	Pool / Sources	Value	Units	Parameter
Project emission reductions to be credited during the period <i>p</i>		900,771.8	tCO ₂ e	ER _p
Project emission reductions to be credited in year <i>y</i>				
2018		278,017.9	tCO ₂ e	ER _y
2019		323,988.5	tCO ₂ e	ER _y
2020		298,765.4	tCO ₂ e	ER _y
2021		0.0	tCO ₂ e	ER _y
2022		0.0	tCO ₂ e	ER _y
2023		0.0	tCO ₂ e	ER _y
2024		0.0	tCO ₂ e	ER _y
2025		0.0	tCO ₂ e	ER _y
2026		0.0	tCO ₂ e	ER _y
2027		0.0	tCO ₂ e	ER _y
2028		0.0	tCO ₂ e	ER _y
2029		0.0	tCO ₂ e	ER _y
2. Calculations for project reference level				
Project reference level during period <i>p</i>		2,262,757.7	tCO ₂ e	RL _p
Project reference level in year <i>y</i>				
2018	Carbon stock	670,101.5	tCO ₂ e	RL _y
2019	Carbon stock	808,618.4	tCO ₂ e	RL _y
2020	Carbon stock	784,037.8	tCO ₂ e	RL _y
2021	Carbon stock	0.0	tCO ₂ e	RL _y
2022	Carbon stock	0.0	tCO ₂ e	RL _y
2023	Carbon stock	0.0	tCO ₂ e	RL _y
2024	Carbon stock	0.0	tCO ₂ e	RL _y
2025	Carbon stock	0.0	tCO ₂ e	RL _y
2026	Carbon stock	0.0	tCO ₂ e	RL _y
2027	Carbon stock	0.0	tCO ₂ e	RL _y
2028	Carbon stock	0.0	tCO ₂ e	RL _y
2029	Carbon stock	0.0	tCO ₂ e	RL _y

3. Calculations of the project emissions					
Project net emissions during period <i>p</i>			1,136,793.0	tCO ₂ e	Pep
Emissions from carbon stock change in the project area in year <i>y</i>					
	2018	Carbon stock	212,478.2	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2019	Carbon stock	262,896.7	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2020	Carbon stock	263,617.0	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2021	Carbon stock	0.0	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2022	Carbon stock	0.0	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2023	Carbon stock	0.0	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2024	Carbon stock	0.0	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2025	Carbon stock	0.0	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2026	Carbon stock	0.0	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2027	Carbon stock	0.0	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2028	Carbon stock	0.0	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
	2029	Carbon stock	0.0	tCO ₂ e	$\Delta CS_{p,y}^{*44/12}$
CO ₂ emissions from fossil fuel combustion in year <i>y</i>					
	2018	Combustion of fossil fuels	11.0	tCO ₂ e	E _{fuel y}
	2019	Combustion of fossil fuels	14.1	tCO ₂ e	E _{fuel y}
	2020	Combustion of fossil fuels	16.1	tCO ₂ e	E _{fuel y}
	2021	Combustion of fossil fuels	0.0	tCO ₂ e	E _{fuel y}
	2022	Combustion of fossil fuels	0.0	tCO ₂ e	E _{fuel y}
	2023	Combustion of fossil fuels	0.0	tCO ₂ e	E _{fuel y}
	2024	Combustion of fossil fuels	0.0	tCO ₂ e	E _{fuel y}
	2025	Combustion of fossil fuels	0.0	tCO ₂ e	E _{fuel y}
	2026	Combustion of fossil fuels	0.0	tCO ₂ e	E _{fuel y}
	2027	Combustion of fossil fuels	0.0	tCO ₂ e	E _{fuel y}
	2028	Combustion of fossil fuels	0.0	tCO ₂ e	E _{fuel y}
	2029	Combustion of fossil fuels	0.0	tCO ₂ e	E _{fuel y}
GHG emissions from fertilizer application in year <i>y</i>					
	2018	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
	2019	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
	2020	Fertilizer application	0.5	tCO ₂ e	E _{fertilizer y}
	2021	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
	2022	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
	2023	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
	2024	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
	2025	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
	2026	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
	2027	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
	2028	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
	2029	Fertilizer application	0.0	tCO ₂ e	E _{fertilizer y}
Displacement of net emissions in year <i>y</i>					
	2018	Carbon stock	110,090.0	tCO ₂ e	DE _y
	2019	Carbon stock	140,722.0	tCO ₂ e	DE _y
	2020	Carbon stock	146,947.4	tCO ₂ e	DE _y
	2021	Carbon stock	0.0	tCO ₂ e	DE _y
	2022	Carbon stock	0.0	tCO ₂ e	DE _y
	2023	Carbon stock	0.0	tCO ₂ e	DE _y
	2024	Carbon stock	0.0	tCO ₂ e	DE _y
	2025	Carbon stock	0.0	tCO ₂ e	DE _y
	2026	Carbon stock	0.0	tCO ₂ e	DE _y
	2027	Carbon stock	0.0	tCO ₂ e	DE _y
	2028	Carbon stock	0.0	tCO ₂ e	DE _y
	2029	Carbon stock	0.0	tCO ₂ e	DE _y
4. Calculation of discount factor					
Discount factor			20	%	DF

[List of Default Values]

Emission factor for N ₂ O emission from N inputs for general (non-paddy)	0.01	tN ₂ O-N (tN-input) ⁻¹	EF _{direct-N (general)}
Emission factor for N ₂ O emission from N inputs for Rice paddy (flooded rice field)	0.003	tN ₂ O-N (tN-input) ⁻¹	EF _{direct-N (paddy)}
Fraction that volatilized as NH ₃ and NO _x for synthetic fertilizers	0.10	dimensionless	Frac _{SN}
Fraction that volatilized as NH ₃ and NO _x for organic	0.20	dimensionless	Frac _{ON}
Emission factor for N ₂ O emissions from atmospheric deposition of N on soils and water surfaces	0.010	tN ₂ O-N (tNH ₃ -N and NO _x -N volatilized) ⁻¹	EF _{indirect-N}
Fraction of N that is lost through leaching and runoff	0.30	dimensionless	Frac _{leach}
Emission factor for N ₂ O emissions from N leaching and runoff	0.0075	tN ₂ O-N (t leaching and runoff) ⁻¹	EF _{leach-N}
Emission factor for limestone	0.12	tC (t limestone) ⁻¹	EF _{limestone}
Emission factor for dolomite	0.13	tC (t dolomite) ⁻¹	EF _{dolomite}
Emission factor for urea	0.20	tC (t urea) ⁻¹	EF _{urea}
Global Warming Potential for N ₂ O	298	tCO ₂ tN ₂ O ⁻¹	GWP _{N2O}
Net calorific value of gas/diesel oil	0.043	GJ kg ⁻¹	NCV _f
Net calorific value of motor gasoline	0.0443	GJ kg ⁻¹	NCV _f
Net calorific value of crude oil	0.0423	GJ kg ⁻¹	NCV _f
CO ₂ emission factor of gas/diesel oil combusted	0.0741	tCO ₂ GJ ⁻¹	EF _{fuel f}
CO ₂ emission factor of motor gasoline combusted	0.0693	tCO ₂ GJ ⁻¹	EF _{fuel f}
CO ₂ emission factor of crude oil combusted	0.0733	tCO ₂ GJ ⁻¹	EF _{fuel f}

Monitoring Report Sheet Attachment**1. Monitoring sites of the ground-based survey(s)**

Description of data	Monitoring sites (Map and locations)
No ground-based survey for the monitoring of net project emissions was conducted.	

2. Reassessment of project reference level

We didn't reassess as it was less than five years since the establishment of the reference level.

3. Recording and archiving data

Description of data	Actual situation of recording and archiving
Area converted from forest class i to non-forest in the project area in year y	Ministry of Environment, Cambodia, provided data to CI, and CI keeps it in a Sharepoint folder.
Area converted from forest class i to non-forest in the displacement belt in year y	Ministry of Environment, Cambodia, provided data to CI, and CI keeps it in a Sharepoint folder.
(Direct method) Quantity of fuel type f consumed in year y	Staff, who purchased fuel, submitted receipts to their organization, and the receipts were kept both in paper and in PDF.
Harvested annual dry matter yield for N-fixing crop T per unit area, introduced for implementation of the project activities in cropland type c in the project area and the activity area in year y	Public data (FAOSTAT)
Total annual area harvested of N-fixing crop T, introduced for implementation of the project activities in cropland type c in the project area and the activity area in year y	Sansom Mlup Prey Cambodia recorded area and provided to CI. CI kept the data in a Sharepoint folder.
Ratio of above-ground residues to harvested yield for N-fixing crop T	Public data (IPCC and FAOSTAT)
Ratio of below-ground residues to harvested yield for N-fixing crop T	Public data (IPCC and FAOSTAT)
N content of above-ground residues for N-fixing crop T	Public data (IPCC)
N content of below-ground residues for N-fixing crop T	Public data (IPCC)
Fraction of total area under N-fixing crop T that is renewed annually	CI interviewed to Sansom Mlup Prey Cambodia and recorded in Project Management Cord (excel sheet) in a Sharepoint folder.

Annex
