

Guinée



INSUCO

Local understanding for sustainable solutions

elecnor

Mars 2025



Rapport final d'étude d'impact environnemental et social

—
Travaux de réalisation des lignes HT/225kV
de La Côtère et postes associés (lots 1 et 4)

—
Guinée

Non-technical summary

Project description

Summary presentation of the project

The Republic of Guinea has significant hydropower potential and a growing need for electricity distribution and transmission. The government is encouraging electrification projects to achieve the following key objectives:

- Unload existing transmission lines and substations that increase the load significantly;
- Increase capacity to meet expected growth (demographic and economic);
- Ensure the availability of a reliable and sustainable energy supply in Conakry;
- Connecting major industrial and mining consumers in the Basse-Côte region and Conakry;
- Connect the main regions of Souapiti, Amaria, Boffa, Kamsar, Boké and Conakry to the drainage network of the Souapiti and Kaléta hydroelectric power plants.

The Souapiti-Kaléta hydroelectric complex represents an important potential source of electricity for Guinea's development. The removal of energy from the complex would achieve the following objectives:

- Evacuate the energy produced by the hydroelectric power plants of Souapiti (450 MW), Kaléta (234 MW) to the coastal region (Boffa, Kamsar and Boké), to the Conakry region and to the north-western region of Gaoual;
- Strengthen the transmission network in the Conakry region by increasing the security of electricity supply;
- To provide mining companies in northwestern Guinea with a reliable energy supply.

In this context, **Elecnor** plans to build two new high-voltage transmission lines, two new electrical substations and to extend an existing electrical substation.

The Deutsch Bank and UK Export Finance (**UKEF**) are the financial partners of this Project by providing the funds.

Project location

The table below provides a summary of the location of the project. Maps illustrating the location of the line routes are available in the section presenting the detailed description of the project.

Table 1: Project Location – Non-Technical Summary

Lot	General Location	Administrative region	Prefectures	Sub-prefectures
Lot 1	From Boffa to Yassiya	Boké	Boké, Boffa	Boffa-Centre, Douprou, Kolia, Tournifili, Makountan, Bintimodiya and Kolaboui
Lot 4	From Boké to Gaoual	Boké	Boké	Boké-Centre, Tanéné, Sangarédi, Wendou M'Bour, Koumbia and Gaoual-Centre

Description of the initial state of the site and its environment

The physical environment of the two lots is in an initial state of average quality, particularly with regard to water quality, which is better along Lot 4 than along Lot 1, air quality and the noise environment mainly due to the proximity to the main roads.

Table 2: Summary of the description of the initial state of the environment **physics**

Component of the environment	Lot 1	Lot 4
Ground	Siliceous soils, high concentration of Arsenic near the mine	High concentration of silica with low levels of essential nutrients. The minor elements show great variability, suggesting geological diversity
Water	Turbid to very turbid water (very high concentration of suspended solids), presence of heavy metals, significant microbiological contamination Poor to poor water quality	Clear to turbid water, heavy metal levels are broadly up to standard, significant microbiological contamination Poor water quality
Air	PM < WHO thresholds SO ₂ and NO ₂ > WHO thresholds Proximity to the N3 road	PM < WHO thresholds SO ₂ and NO ₂ > WHO thresholds Proximity to the N23 road
Noise	Noisy environment from time to time – close to the N3 road	Noisy environment from time to time – close to the N23 road

The initial state of the biological environment is of better quality on Lot 4 than on Lot 1, as both areas are home to species and habitats with conservation issues. The factors of degradation of the biological environment are mainly shifting cultivation, monoculture of cashew and palm trees, and urbanization.

Table 3: Summary of the description of the initial state of the environment **biological**

Component of the environment	Lot 1	Lot 4
Habitats	204.6 ha of natural habitats (NP6) in the line corridor No critical habitat	503.7 ha of natural habitats (NP6) in the line corridor Of which 278.7 ha are critical habitats
Flora	<i>Pterocarpus erinaceus</i> <i>Azelia africana</i> (VU), <i>Bafodeya benna</i> (VU), <i>Milicia regia</i> (VU), <i>Kotschya lutea</i> (VU), <i>Dialium pobeguini</i> (VU).	<i>Pterocarpus erinaceus</i> <i>Keetia susu</i> (EN+ endemic) + 6 species VU
Fauna	Scavenging Vulture (CR) Fish <i>Clarias laevis</i> (VU) Fully protected species at the national level: 3 birds, 9 mammals, 1 reptile	Chimpanzee (CR), Smoky Cercoceb (VU) Scavenger Vulture (CR), Rüppel's Vulture (CR) Amphibian <i>Phrynobatrachus pinto</i> (EN+ endemic) Reptile <i>Hemidactylus kundaensis</i> (CR+endemic) Dwarf crocodile <i>Osteolaemus tetraspis</i> (VU) Fishes <i>Clarias laevis</i> (VU) and <i>Malapterurus teugelsi</i> (VU) Fully protected species at the national level: 3 birds, 9 mammals, 2 reptiles

The initial state of the social environment is essentially characterized by isolation and lack of access to public services, especially for communities living in rural areas and those living near Lot 4 for access to education, water, health services and electricity. Income-generating activities are mainly linked to the primary and secondary sectors, although petty trade has a significant weight in the economy of many households.

Table 4: Summary of the description of the initial state of the environment **human**

Socio-economic dimension	Indicator	Lot 1	Lot 4
Demography	Demographic Dependency Ratio (DDR)	101%	109%
Economic strategy	Single-asset CM rate	59%	47%
	Rate of agriculture-dependent single-active CM	65%	50%
	Dependency ratio of adults (15+ years) to agriculture	73%	67%
Revenue	Share of farm income	39%	58%
	Average daily income in GNF/UA	32,733 GNF/day/CU	25,511 GNF/day/UC
Quality of life	Rate of access to electricity	27%	32%
Prevention of health risks	Bed net use rate	31%	24%
	Rate of access to an improved source of drinking water	69%	38%
Education	NER primary cycle by sex	52% girls and 57% boys	39% girls and 44% boys
Vulnerability	Proportion of vulnerable households	19%	26%
rCSI	Average index of dietary adaptation strategies,	4,67	4,74

Critical habitat analysis

No critical habitat triggered on Lot 1.

Critical habitat on Lot 4:

- criterion (i) is applicable under IFC NP6 for the West African chimpanzee, the shrub *Keetia susu*, the amphibian *Phrynobatrachus pinto* and the reptile *Hemidactylus kundaensis*;
- criterion (ii) is applicable for *Hemidactylus kundaensis*;
- Criteria (iii), (iv) and (v) are not applicable.

	Area of critical habitat in the line corridor (ha)	Area of critical habitat in the buffer zone (ha)	Area of critical habitat in the total study area (ha)
LOT 4			
Forests gallery	22,7	551,0	573,7
Open forests	129,1	2394,1	2 523,2
Wooded savannahs adjacent to gallery forests	127,0	2275,5	2 402,5

Summary of Project Impacts

The most significant negative impacts concern the following components: land tenure and land use, migration phenomena, governance and social cohesion, ecosystem services and access to essential services, air, landscapes, habitats and fauna and flora.

Table 5: Non-technical summary – Summary of potential impacts – Fecteau matrix (Affected components: A - Power lines / B - Substations / C - Access roads / D – Remote sites and temporary facilities)

Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Employment and working conditions	1	Construction	A, B, C, and D	Job creation in construction	Positive	Strong	Regional	Average	Major premise	Strong	Positive Strong
Employment and working conditions	2	Construction	A, B, C, and D	Development of IGAs related to the influx of project workers	Positive	Average	Regional	Average	Average	Strong	Positive Strong
Employment and working conditions	3	Construction	A, B, C, and D	Opportunities for local businesses	Positive	Average	Regional	Average	Average	Strong	Positive Strong
Employment and working conditions	4	Exploitation	A, B and C	Creation of jobs for plant maintenance	Positive	Weak	Local	Long	Average	Strong	Positive Strong
Employment and working conditions	5	Closure	A, B and C	Job cuts and IGAs	Negative	Weak	Local	Long	Average	Strong	Strong
Employment and working conditions	6	Closure	A, B, C, and D	Job creation in construction	Positive	Strong	Regional	Average	Major premise	Strong	Positive Strong
Employment and working conditions	7	Closure	A, B, C, and D	Development of IGAs related to the influx of project workers	Positive	Average	Regional	Average	Average	Strong	Positive Strong



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Employment and working conditions	8	Closure	A, B, C, and D	Opportunities for local businesses	Positive	Average	Regional	Average	Average	Strong	Positive Strong
Land and land use	9	Preparation	A, B, C, and D	Disruption of Townsite Plans	Negative	Average	Point	Long	Average	Strong	Strong
Land and land use	10	Preparation	A, B and C	Inflation caused by land acquisition	Negative	Weak	Point	Average	Minor	Strong	Average
Land and land use	11	Preparation	A, B and C	Permanent land losses	Negative	Average	Local	Long	Average	Strong	Strong
Land and land use	12	Preparation	B	Temporary Land Losses	Negative	Average	Point	Short	Minor	Strong	Average
Land and land use	13	Exploitation	A and B	Inflation caused by proximity to electricity supply facilities	Negative	Average	Regional	Long	Major premise	Strong	Strong
Land and land use	14	Closure	A, B and C	Restitution of Project land	Positive	Average	Local	Long	Average	Strong	Positive Strong
Demography and migration	15	Preparation	A and B	Relocation-related travel	Negative	Weak	Point	Long	Minor	Strong	Average



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Demography and migration	16	Preparation	A, B and C	Emigration of young people due to the payment of RAP compensation	Negative	Strong	Local	Long	Major premise	Strong	Strong
Demography and migration	17	Construction	A, B, C, and D	Influx of workers and opportunistic migration	Negative	Strong	Local	Average	Average	Strong	Strong
Demography and migration	18	Construction	A and B	<i>Lot 4 specifically</i> Increased workload of women hosting workers	Negative	Average	Local	Average	Average	Average	Average
Demography and migration	19	Construction	A, B and D	Cultural mixing	Positive	Average	Local	Average	Average	Average	Positive Medium
Demography and migration	20	Exploitation	A and B	Attractiveness of newly electrified areas	Negative	Strong	Regional	Long	Major premise	Strong	Strong
Demography and migration	21	Closure	A, B, C, and D	Influx of workers and opportunistic migration	Negative	Strong	Local	Average	Average	Strong	Strong
Demography and migration	22	Closure	A and B	<i>Lot 4 specifically</i> Increased workload of women hosting workers	Negative	Average	Local	Average	Average	Average	Average
Demography and migration	23	Closure	A, B and C	Youth emigration due to slowing economic development	Negative	Strong	Local	Long	Major premise	Strong	Strong



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Demography and migration	24	Closure	A, B and D	Cultural mixing	Positive	Average	Local	Average	Average	Average	Positive Medium
Traffic, traffic and mobility	25	Preparation	A, B, C, and D	Disruption of rural trail alignment	Negative	Average	Regional	Long	Major premise	Strong	Strong
Traffic, traffic and mobility	26	Construction	A, B, C, and D	Disruption of rural trail alignment	Negative	Average	Regional	Long	Major premise	Strong	Strong
Traffic, traffic and mobility	27	Construction	A, B, C, and D	Transport of machinery, materials, workers	Negative	Strong	Local	Average	Average	Average	Average
Traffic, traffic and mobility	28	Exploitation	A and C	Disruption of rural trail alignment	Negative	Weak	Regional	Long	Major premise	Strong	Strong
Traffic, traffic and mobility	29	Exploitation	A and C	Presence and maintenance of new access roads	Positive	Average	Local	Average	Average	Strong	Positive Strong
Traffic, traffic and mobility	30	Closure	A, B, C, and D	Transport of machinery, waste, workers	Negative	Strong	Local	Average	Average	Average	Average
Governance and social cohesion	31	Preparation	A, B, C, and D	Exclusion of local authority in decision-making processes and project stages	Negative	Strong	Point	Average	Average	Average	Average



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Governance and social cohesion	32	Preparation	A, B, C, and D	Disruption in relation to the development of the ESIA and RAP	Negative	Average	Local	Average	Average	Strong	Strong
Governance and social cohesion	33	Construction	A, B, C, and D	Tensions with project workers	Negative	Average	Point	Average	Average	Strong	Strong
Governance and social cohesion	34	Construction	A, B, C, and D	Tensions related to recruitment	Negative	Average	Local	Average	Average	Strong	Strong
Governance and social cohesion	35	Exploitation	A and B	Frustration of people without access to electricity	Negative	Strong	Local	Short	Average	Strong	Strong
Governance and social cohesion	36	Exploitation	A, B and C	Tensions with project workers	Negative	Average	Point	Average	Average	Strong	Strong
Governance and social cohesion	37	Closure	A, B and C	Tensions with project workers	Negative	Average	Point	Average	Average	Strong	Strong
Governance and social cohesion	38	Closure	A, B, C, and D	Tensions related to recruitment	Negative	Average	Local	Average	Average	Strong	Strong
Health and safety of communities and workers	39	Construction	A, B, C, and D	Road accidents and construction site accidents	Negative	Strong	Local	Average	Average	Strong	Strong



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Health and safety of communities and workers	40	Construction	A, B and D	Risky behaviours with construction workers	Negative	Strong	Local	Average	Average	Strong	Strong
Health and safety of communities and workers	41	Construction	A, B, C, and D	Nuisances from construction sites	Negative	Average	Local	Average	Average	Average	Average
Health and safety of communities and workers	42	Exploitation	A, B and D	Risky behaviours with project workers	Negative	Average	Point	Average	Average	Strong	Strong
Health and safety of communities and workers	43	Exploitation	A and B	Impacts of electromagnetic fields on human and animal health	Negative	Average	Point	Average	Average	Weak	Average
Health and safety of communities and workers	44	Exploitation	A, B, C, and D	Impacts on human health, the environment and biodiversity if herbicides are misused in the maintenance of areas under electrical installations	Negative	Average	Local	Average	Average	Average	Average
Health and safety of communities and workers	45	Exploitation	A and B	Risks of accidents for the population located near the equipment	Negative	Strong	Local	Short	Average	Average	Average
Health and safety of communities and workers	46	Closure	A, B, C, and D	Road accidents and construction site accidents	Negative	Strong	Local	Average	Average	Strong	Strong
Health and safety of communities and workers	47	Closure	A, B and D	Risky behaviours with project workers	Negative	Strong	Local	Average	Average	Strong	Strong



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Health and safety of communities and workers	48	Closure	A, B, C, and D	Nuisances from dismantling sites	Negative	Average	Local	Average	Average	Average	Average
Access to essential services	49	Preparation	A and B	Loss of community infrastructure	Negative	Strong	Point	Long	Major premise	Strong	Strong
Access to essential services	50	Preparation	A and B	Relocation pressure	Negative	Weak	Local	Long	Average	Strong	Strong
Access to essential services	51	Construction	A, B and D	Pressure from project workers	Negative	Strong	Point	Average	Average	Strong	Strong
Access to essential services	52	Exploitation	A and B	Pressure from infrastructure users	Negative	Strong	Local	Long	Major premise	Strong	Strong
Access to essential services	53	Exploitation	A and B	Improved access to electricity	Positive	Strong	Regional	Long	Major premise	Strong	Positive Strong
Access to essential services	54	Closure	A, B and D	Pressure from project workers	Negative	Strong	Point	Average	Average	Strong	Strong
Ecosystem services	55	Preparation	A, B, C, and D	Loss of services related to land acquisition and the implementation of the restriction corridor	Negative	Weak	Local	Long	Average	Strong	Strong



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Ecosystem services	56	Preparation	A, B, C, and D	Relocation solicitation	Negative	Weak	Local	Long	Average	Strong	Strong
Ecosystem services	57	Construction	A, B and D	Solicitation related to site workers	Negative	Strong	Point	Average	Average	Strong	Strong
Ecosystem services	58	Exploitation	A and B	Demand from newly installed users due to newly electrified areas	Negative	Strong	Local	Long	Major premise	Strong	Strong
Ecosystem services	59	Closure	A, B and D	Solicitation related to site workers	Negative	Strong	Point	Average	Average	Strong	Strong
Economic activities	60	Preparation	A, B and D	Loss of economic activity related to land acquisition	Negative	Strong	Point	Long	Major premise	Strong	Strong
Economic activities	61	Exploitation	A, B and C	Loss of economic activities related to the subdivision/building potential of the plots in the right-of-way	Negative	Strong	Point	Long	Major premise	Strong	Strong
Economic activities	62	Exploitation	Has	Loss of economic activities related to the restriction corridor	Negative	Strong	Local	Long	Major premise	Strong	Strong
Economic activities	63	Exploitation	A, B and C	Loss of productive agricultural potential	Negative	Strong	Point	Long	Major premise	Average	Strong



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Economic activities	64	Exploitation	A and B	Economic development of the region	Positive	Strong	Regional	Long	Major premise	Strong	Positive Strong
Economic activities	65	Closure	A and B	Slowdown in economic development	Negative	Strong	Regional	Long	Major premise	Strong	Strong
Economic activities	66	Closure	A, B and C	Development of economic activities following the restitution of project land	Positive	Strong	Local	Long	Major premise	Strong	Positive Strong
Cultural heritage	67	Preparation	A, B, C, and D	Displacement and destruction of socio-cultural heritage sites	Negative	Average	Point	Long	Average	Strong	Strong
Cultural heritage	68	Construction	A, B, C, and D	Archaeological artifact discoveries	Negative	Weak	Point	Short	Minor	Weak	Weak
Cultural heritage	69	Construction	A, B, C, and D	Degradation of socio-cultural heritage sites	Negative	Average	Local	Short	Average	Average	Average
Cultural heritage	70	Exploitation	A, B, C, and D	Desecration of Socio-Cultural Heritage Sites	Negative	Average	Point	Long	Average	Average	Average
Ground	71	Preparation	D	Soil erosion and compaction related to land clearing and heavy machinery movements	Negative	Average	Point	Short	Minor	Average	Average



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Ground	72	Construction	A, B and C	Soil erosion and compaction related to land clearing and heavy machinery movements	Negative	Average	Point	Average	Average	Average	Average
Ground	73	Exploitation	A, B and C	Increased erosion of hydromorphic soils and slope areas	Negative	Average	Point	Average	Average	Average	Average
Ground	74	Preparation	D	Change in soil composition due to embankments	Negative	Average	Point	Short	Minor	Average	Average
Ground	75	Construction	A, B and C	Change in soil composition due to embankments	Negative	Average	Point	Long	Average	Average	Average
Ground	76	Construction	A, B, C, and D	Risk of degradation of soil quality by chemicals and waste	Negative	Average	Point	Long	Average	Average	Average
Ground	77	Exploitation	A, B, C, and D	Risk of degradation of soil quality by chemicals and waste	Negative	Average	Point	Long	Average	Average	Average
Ground	78	Closure	A, B, C, and D	Rehabilitation/stabilization of the land after the completion of the work	Positive	Average	Point	Long	Average	Average	Positive Medium
Water	79	Construction	A, B and C	Increase in suspended solids in water and decrease in water quality due to land clearing	Negative	Average	Local	Average	Average	Average	Average



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Water	80	Closure	A, B, C, and D	Increase in suspended solids in water and decrease in water quality due to land clearing	Negative	Average	Local	Average	Average	Average	Average
Water	81	Construction	A, B and C	Degradation of water quality due to accidental spillage of chemicals and waste	Negative	Average	Point	Short	Minor	Average	Average
Water	82	Construction	D	Degradation of water quality due to accidental spillage of chemicals and waste	Negative	Weak	Point	Short	Minor	Average	Average
Water	83	Exploitation	A, B, C, and D	Degradation of water quality due to accidental spillage of chemicals and waste	Negative	Average	Point	Long	Average	Average	Average
Water	84	Closure	A, B, C, and D	Degradation of water quality due to accidental spillage of chemicals and waste	Negative	Average	Point	Short	Minor	Average	Average
Noise	85	Preparation	D	Noise	Negative	Weak	Point	Short	Minor	Weak	Weak
Noise	86	Construction	A, B and C	Noise	Negative	Average	Point	Average	Average	Weak	Average
Noise	87	Exploitation	A and D	Noise	Negative	Weak	Point	Long	Minor	Weak	Weak



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Noise	88	Closure	A and D	Noise	Negative	Average	Point	Average	Average	Weak	Average
Air	89	Preparation	D	PM10 & PM2.5 dust/particle emissions	Negative	Weak	Point	Short	Minor	Strong	Average
Air	90	Construction	A, B and C	PM10 & PM2.5 dust/particle emissions	Negative	Average	Local	Average	Average	Strong	Strong
Air	91	Closure	A, B, C, and D	PM10 & PM2.5 dust/particle emissions	Negative	Average	Local	Average	Average	Strong	Strong
Air	92	Preparation	D	Nox, NO2 and SO2 emissions	Negative	Weak	Point	Short	Minor	Weak	Weak
Air	93	Construction	A, B and C	Nox, NO2 and SO3 gas emissions	Negative	Average	Local	Average	Average	Weak	Average
Air	94	Exploitation	Has	Nox, NO2 and SO4 gas emissions	Negative	Weak	Point	Long	Minor	Weak	Weak
Air	95	Closure	A, B, C, and D	Nox, NO2 and SO5 gas emissions	Negative	Average	Local	Average	Average	Weak	Average



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Air	96	Exploitation	Has	Ozone formation due to micro-discharges of the corona effect	Negative	Zero	Point	Long	Negligible	Strong	Negligible
Climate/GHG	97	Preparation	D	GHG emissions	Negative	Average	Point	Average	Average	Average	Average
Climate/GHG	98	Construction	A, B, C, and D	GHG emissions	Negative	Average	Point	Average	Average	Average	Average
Climate/GHG	99	Exploitation	Has	GHG emissions	Negative	Zero	Point	Long	Negligible	Strong	Negligible
Climate/GHG	100	Closure	A, B and D	GHG emissions	Negative	Average	Point	Long	Average	Average	Average
Landscape	101	Construction	A, B and C	Modifying landscape views	Negative	Average	Point	Average	Average	Average	Average
Landscape	102	Exploitation	Has	Modifying landscape views	Negative	Strong	Local	Long	Major premise	Average	Strong
Landscape	103	Closure	A and D	Modifying landscape views	Positive	Strong	Local	Long	Major premise	Average	Positive Strong



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Habitats	104	Construction	A and C	Loss of natural habitat	Negative	Strong	Point	Long	Major premise	Strong	Strong
Habitats	105	Construction	A and C	Critical habitat loss	Negative	Strong	Point	Long	Major premise	Strong	Strong
Flora	106	Construction	A and C	Loss of plant specimens of conservation interest	Negative	Average	Point	Long	Average	Strong	Strong
Flora	107	Construction	A, C and D	Dispersal of invasive plant species	Negative	Average	Point	Long	Average	Weak	Average
Flora	108	Exploitation	A and C	Dispersal of invasive plant species	Negative	Average	Point	Long	Average	Weak	Average
Flora	109	Closure	A, C and D	Dispersal of invasive plant species	Negative	Average	Point	Long	Average	Weak	Average
Habitats	110	Construction	A and C	Habitat fragmentation and disruption of connectivity	Negative	Average	Point	Long	Average	Strong	Strong
Habitats	111	Exploitation	A and C	Habitat fragmentation and disruption of connectivity	Negative	Average	Point	Long	Average	Strong	Strong



Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Aquatic environment	112	Construction	A and C	Disturbance of the aquatic environment during the construction phase	Negative	Average	Point	Short	Minor	Average	Average
Aquatic environment	113	Closure	A and C	Disturbance of the aquatic environment during the construction phase	Negative	Average	Point	Short	Minor	Average	Average
Fauna	114	Preparation	D	Localized disturbance of terrestrial wildlife and risk of mortality	Negative	Average	Point	Short	Minor	Strong	Average
Fauna	115	Construction	A, B and C	Localized disturbance of terrestrial wildlife and risk of mortality	Negative	Average	Local	Average	Average	Strong	Strong
Fauna	116	Exploitation	A and C	Localized disturbance of terrestrial wildlife and risk of mortality	Negative	Weak	Point	Long	Minor	Strong	Average
Fauna	117	Closure	A, B, C, and D	Localized disturbance of terrestrial wildlife and risk of mortality	Negative	Average	Local	Average	Average	Strong	Strong
Fauna	118	Construction	A and C	Impacts on chimpanzees	Negative	Strong	Local	Long	Major premise	Strong	Strong
Fauna	119	Exploitation	A and C	Impacts on chimpanzees	Negative	Strong	Local	Long	Major premise	Strong	Strong

Component of the environment	No	Phase	Project component	Impact	Negative/Positive	IMPACT					
						Intensity	Scope	Duration	Absolute importance	Relative value of the component	Materiality
Fauna	120	Exploitation	Has	Mortality due to electrocution with power lines (avifauna)	Negative	Strong	Point	Long	Major premise	Strong	Strong
Fauna	121	Exploitation	Has	Mortality due to collision with power lines (avifauna)	Negative	Weak	Point	Long	Minor	Strong	Average
Fauna	122	Closure	Has	Reduced mortality after power line dismantling	Positive	Strong	Point	Long	Major premise	Strong	Positive Strong

Summary of mitigation measures

The management of the project's impacts, whether environmental or social, will be avoided, reduced or compensated in the best way if the following plans are developed and properly implemented and monitored by the appropriate stakeholders (PMU "La Côte", Elecnor, EDG, Prefectural Monitoring Committees E&S, AGEE and control mission, local authorities, technical services and ministries in charge of the environment and civil society):

- Stakeholder Engagement Plan (PPPP)
- Complaint Management Mechanism (PMM)
- Resettlement Action Plan (RAP)
- Livelihood Restoration Plan (PRMS)
- Cultural Heritage Management Plan
- Migration Management Plan
- ESMP for construction sites:
 - Human resources management plan;
 - Traffic and Road Safety Management Plan;
 - Site installation plan;
 - Occupational health, health and safety plan;
 - Community Health and Safety Plan;
 - Materials Management Plan and Earthworks;
 - Drainage plan and erosion control;
 - Effluent discharge and water quality management plan;
 - Waste management plan;
 - Accidental Spill Management Plan;
 - Noise and dust emissions management plan;
 - Deforestation plan;
 - Rehabilitation and revegetation plan;
 - Biodiversity Management Plan A project that includes, among other things, access management plan, biodiversity protection plan, and plan to combat and prevent invasive plant species.
- PGES O&M
- Rural Electrification Program
- Biodiversity Action Plan / Biodiversity Management Plan (including among others a compensation study and a specific management plan for chimpanzees)
- Awareness and training programme for the population in the preservation of the environment
- ESMP Dismantling
- Climate resilience monitoring plan
- Closure Plan (including an Environmental Closure Management Plan)

In view of the identified impacts, mitigation measures are proposed as part of the environmental and social monitoring programme, which is implemented for each of the phases of the Project.



Table 6: Non-Technical Summary – Environmental and Social Monitoring Programme – Preparation phase

Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Physics	25, 71, 72, 74 to 76, 79, 81, 82, 85, 86, 89, 90, 92, 93, 97, 98	MP1	Development and implementation of an Environmental Site Management Plan (ECMP)	Finalized before site preparation	Developed and validated CEMP	ECMP report with the implementation of all operational plans	Availability and content of the CSEMP	Contractor and Project Owner / AGEE	Monthly monitoring of progress throughout the construction phase
Physics	71, 114	MP2	Development of a Deforestation Plan	Initiated before site preparation	Clearing plan developed and validated	Operational Deforestation Plan Report	Availability and content of the deforestation plan	Contractor and Project Owner / AGEE	Bi-monthly monitoring of progress throughout the deforestation phase
Biological	104 to 107, 110, 114, 115, 118	MB1	Development and implementation of a Biodiversity Action Plan (BAP) and then a Biodiversity Management Plan (BMP) during the construction phase	Finalized before site preparation	PAB/PGB site developed and validated	BMP report on the operational site phase	Availability and content of the PAB/PGB construction phase	Contractor and Project Owner / AGEE	Bi-monthly follow-up
Biological	106, 107	MB2	Development of a plan for the rehabilitation and revegetation of sites	Initiated before site preparation	Rehabilitation and revegetation plan developed and validated	Rehabilitation and revegetation plan report	Availability and content of the plan	Contractor and Project Owner / AGEE	Monthly monitoring of progress throughout the construction phase

Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Biological	104, 106, 107, 110, 112	MB3	Compensation study for natural and critical habitats	Finalized prior to land acquisition	Study carried out and integrated into the ESIA/BMP	Study and feasibility report	Availability and content of the study	Project owner / AGEE	Bi-monthly follow-up
Human	31 to 34	MH01A01	Preparation of the PEPP	Finalized prior to commencement of land acquisition (Project Activity 2)	Effective availability of a PEPP	ESMP activity report	Availability and content of the PEPP	Local authorities/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	11, 12, 14, 26, 17, 35, 39, 41, 56, 67, 69, 70	MH01A02	Development of the PMM	Finalized prior to commencement of land acquisition (Project Activity 2)	Effective availability of a PGM	ESMP activity report	Availability and content of the MGP	Local authorities/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural ¹	MH01A03	Recruitment of staff in charge of the E&S aspects	Finalized prior to commencement of land acquisition (Project Activity 2)	Contracts signed with staff in charge of E&S aspects	ESMP activity report, contracts signed	Number of persons employed (disaggregated by gender)	Local authorities/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH01A04	Creation of the Prefectural E&S Monitoring Committees (CPSES)	Finalized prior to commencement of land acquisition (Project Activity 2)	CPSES created to monitor the I&S management of the Project	PGES activity report, CR, attendance list, CPSES regulations	Number of people participating in the CPSES (disaggregated by gender and entity)	Local authorities/AGEE	Monthly monitoring of progress until 100% achievement of the indicator

¹ These measures are not directly linked to a specific impact (although they cover some impacts), but aim to ensure the effective implementation and overall monitoring of the GGP as a whole.



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	11, 12, 26, 17, 35, 39, 41, 56, 67, 69, 70	MH01A05	Launch and popularization of the MGP to all stakeholders	Finalized prior to commencement of land acquisition (Project Activity 2)	MGP communicated to stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress until reaching all stakeholders identified in the PEPP
Human	31 to 34	MH01A06	Execution of the Project PPGT	Carried out continuously during the preparation phase	Information/consultation of stakeholders	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress throughout the preparation phase
Human	16	MH06A02	Development of the Migration Management Plan	Finalized prior to site preparation (Project Activity 5)	Effective Availability of a Migration Management Plan	ESMP activity report	Availability and content of the Migration Management Plan	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	15	MH02A01	Review of the Project design and minimization of resettlement impacts	Done at the beginning of land acquisition (Project Activity 2)	Social optimization of the project design in terms of resettlement	ESMP activity report, social optimisation report	Number of physical and economic PAPs affected and prevented	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	11, 12, 15	MH02A02	Popularization of the MGP among PAPs	Done at the beginning of land acquisition (Project Activity 2)	MGP communicated to PAPs resettlement in all affected villages	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress until reaching all affected villages
Human	11, 15	MH02A03	Information and consultation of PAPs	Completed during land acquisition (Project Activity 2)	PAP informed and consulted on the resettlement/compensation process in all affected villages	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring throughout land acquisition
Human	9, 10, 11, 12, 15, 49, 55, 60	MH02A04	Development of the RAP/PRMS	Completed during land acquisition (Project Activity 2)	PAR/PRMS developed and validated	ESMP activity report	Availability and content of RAPs/PRMS validated by displaced and host communities	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	11, 12, 15, 50	MH02A05	Compensation and resettlement of PAPs	Finalized prior to the start of site preparation (Project Activity 5)	100% of PAPs reinstalled/compensated	ESMP activity report, payment register, signed agreements	Number of PAPs Offset, Number of PAPs Reinstalled/Offset	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	60	MH02A06	Implementation and monitoring of livelihood restoration activities	Initiated prior to the start of site preparation (Site Activity 5)	100% of displaced people benefiting from the PRMS	ESMP activity report, CR and attendance lists, communication material	Number of participants in RMS activities (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress throughout the preparation phase
Human	67	MH03A01	Revision of the Project Design and Minimization of Impacts on Cultural Heritage	Done at the beginning of land acquisition (Project Activity 2)	Social Optimization of Design in Relation to Cultural Heritage	ESMP activity report, social optimisation report	Number of cultural sites affected and avoided	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	67, 69	MH03A02	Popularization of the MGP among cultural heritage stakeholders	Done at the beginning of land acquisition (Project Activity 2)	MGP communicated to the authorities concerned by Cultural Heritage	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress until reaching all relevant authorities
Human	67 to 69	MH03A03	Recruitment of an expert in cultural heritage management	Done at the beginning of land acquisition (Project Activity 2)	Contracts signed with the cultural heritage expert	ESMP activity report, signed contract, expert CV	Contract signed with an expert in Cultural Heritage Management	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	67 to 69	MH03A04	Information and consultation of stakeholders on the management of cultural heritage	Completed during land acquisition (Project Activity 2)	100% of traditional authorities consulted on management measures for their cultural sites	ESMP activity report, CRs signed by the authorities and attendance lists	Number of meetings and number of participants (disaggregated by gender and village)	CPSES/AGEE	Monthly monitoring of progress until reaching all relevant authorities
Human	67 to 69	MH03A05	Development of the Cultural Heritage Management Plan	Completed during land acquisition (Project Activity 2)	Asset Management Plan developed and validated	ESMP activity report	Availability and content of the Heritage Management Plan validated by the traditional authorities	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	67 to 69	MH03A06	Execution and monitoring of the Cultural Heritage Management Plan	Finalized prior to the start of site preparation (Project Activity 5)	100% of cultural sites moved and/or secured	ESMP activity report, payment register, signed agreements	Number of sites that received the treatment requested by the population	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator

Table 7: Non-Technical Summary – Environmental and Social Monitoring Programme – Construction phase

Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Physics	41, 43	MP4	Implementation of the Environmental Management Plan for the construction site	Carried out continuously during the construction phase	PGEC respected	ESMP activity report, CR, communication equipment	Periodic reviews of the quality of the environments: suspended solids, hydrocarbons, dust, noise, erosion zones, etc.	Contracting authority / AGEE	Monthly monitoring of progress throughout the construction phase
Physics	101, 104, 107, 110	MP5	Implementation of the Deforestation Plan	Carried out continuously during the construction phase	Deforestation respected	plan Activity report	Percentage of deforestation	Contracting authority / AGEE	Bi-monthly monitoring of progress throughout the deforestation phase
Biological	58, 115, 118	MB4	Implementation of the Biodiversity Management Plan during the construction phase	Carried out continuously during the construction phase	PGB site respected	Activity report	Monitoring of the population dynamics of emblematic species or umbrellas, both plant and animal	Contracting authority / AGEE	Monthly monitoring of progress throughout the construction phase
Biological	101, 104, 107, 110	MB5	Implementation of the rehabilitation	Completed at the end of the	100% of revegetated sites	Activity report	Mapping of revegetated areas	Contracting authority / AGEE	Bi-monthly monitoring throughout the



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
			and revegetation plan	construction phase			100% of construction sites rehabilitated/revegetated		rehabilitation/revegetation phase
Biological	121	MB6	Installation of avian collision avoidance systems	Completed before the end of the construction phase	100% recommended areas of marked	Activity report	Mapping of marked areas	Contracting authority / AGEE	Monthly monitoring throughout the construction phase
Human	31 to 34	MH04A01	Revision and updating of the PEPP	Finalized prior to site preparation (Project Activity 5)	A PEPP adapted to the construction phase	ESMP activity report	Availability and content of the updated PEPP	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	11, 12, 15	MH04A02	Revision and updating of the MGP	Finalized prior to site preparation (Project Activity 5)	A MGP adapted to the construction phase	ESMP activity report	Availability and content of the updated PMF	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	na	MH04A03	Recruitment of additional staff for stakeholder engagement	Finalized prior to site preparation (Project Activity 5)	Contracts signed with staff in charge of E&S aspects	ESMP activity report, contracts signed	Number of persons employed (disaggregated by gender)	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	11, 12, 15	MH04A04	Outreach to all stakeholders of the updated MGP	Carried out at the beginning of the occupation of remote sites/settlement of non-native workers (Project Activity 6)	Updated shared stakeholders throughout Project area	MGP with the ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress until reaching all stakeholders identified in the PEPP



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	31 to 34	MH04A05	Execution and monitoring of the implementation of the Project PPGTP	Carried out continuously during the construction phase	Information/consultation of stakeholders	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress throughout the construction phase
Human	11, 12, 15, 60	MH05A01	Evaluation of the results of the Resettlement and Livelihood Restoration Strategy	Finalized prior to site preparation (Project Activity 5)	Detection of non-conformities in the livelihood restoration process	ESMP activity report, PRMS evaluation report, report and attendance lists	Availability and content of the PRMS evaluation report	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	60	MH05A02	Revision and update of the PRMS	Finalized prior to site preparation (Project Activity 5)	A PRMS better adapted to the needs of PAPs	ESMP activity report	Availability and content of the updated PRMS	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	60	MH05A03	Popularization of the updated PRMS	Carried out at the beginning of the occupation of remote sites/settlement of non-native workers (Project Activity 6)	Updated shared stakeholders throughout Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress until reaching all affected villages



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	60	MH05A04	Implementation and monitoring of the updated PRMS	Carried out continuously during the construction phase	100% of displaced people benefiting from the PRMS	ESMP activity report, CR and attendance lists, communication material	Number of participants in RMS activities (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress throughout the construction phase
Human	17 to 19	MH06A01	Stakeholder consultations on migration management	Finalized prior to site preparation (Project Activity 5)	100% of the districts in the project area informed and consulted on migration management	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and district), materials distributed	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	17 to 19, 51, 57	MH06A02	Development of the Migration Management Plan	Finalized prior to site preparation (Project Activity 5)	Effective Availability of a Migration Management Plan	ESMP activity report	Availability and content of the Migration Management Plan	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	17 to 19	MH06A03	Popularization of the Migration Management Plan among stakeholders	Carried out at the beginning of the occupation of remote sites/settlement of non-native workers (Project Activity 6)	Migration Management shared stakeholders throughout Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress until reaching all stakeholders identified in the PEPP



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	2, 17 to 19	MH06A04	Implementation and monitoring of the implementation of the Migration Management Plan	Carried out continuously during the construction phase	Implementation of the measures proposed in the Migration Management Plan	ESMP activity report, CR and attendance lists, communication material	Number of participants in activities (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress throughout the construction phase
Human	Transversal/ Structural	MH07A01	Inserting I&O requirements into DAOs for infrastructure construction	Carried out during the development of the CAD works	Works tenders including E&S clauses aligned with the Project's ESMP	Activity report PGES, works tender	Availability and content of work manuals	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH07A02	Recruitment of an E&S expert for the supervision of the ESMP	Finalized prior to the recruitment of workers (Project Activity 3)	Contracts signed with staff in charge of E&S aspects	ESMP activity report, contracts signed	Number of persons employed (disaggregated by gender)	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH07A03	Preparation of the ESMP by the company awarding the contract	Finalized prior to the recruitment of workers (Project Activity 3)	A site ESMP adapted to the construction phase and aligned with the requirements of the Project's ESMP	ESMP activity report	Availability and content of the ESMP	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH07A04	Validation of the ESMP by the AGEE and the prefectural E&S monitoring committees (CPSES)	Finalized prior to the recruitment of workers (Project Activity 3)	A construction site management plan validated by the Project's stakeholders	ESMP activity report, report and attendance list of the validation meeting	Number of people participating in the GGP validation meeting (disaggregated by gender and entity)	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	39 to 41, 72, 75, 76, 81, 86, 90, 93, 98	MH07A05	Popularization of the ESMP and the MGP among stakeholders	Finalized prior to the recruitment of workers (Project Activity 3)	PGES site shared with stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress until reaching all stakeholders identified in the PEPP
Human	39 to 41, 72, 75, 76, 81, 86, 90, 93, 98	MH07A06	Execution and monitoring of the implementation of the ESMP	Carried out continuously throughout the construction phase	Implementation of the measures proposed in the ESMP	ESMP activity report, CR and attendance lists, communication material	Number of participants in activities (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress throughout the construction phase
Human	39 to 41, 72, 75, 76, 81, 86, 90, 93, 98	MH07A07	Audit of the finalization of the ESMP on the site and closure of the contract	Finalized at the end of the construction phase	Verification of the proper implementation of all the measures of the ESMP on the construction site	ESMP activity report, audit report, report and attendance lists	Availability and content of the audit to finalise the ESMP on construction sites	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	35	MH16A01	Stakeholder consultations on the rural electrification programme of the affected localities	Finalized prior to the recruitment of workers (Project Activity 3)	100% of localities in the project area informed and consulted on the rural electrification programme	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	Rural Electrification Agency/CPSES/AG EE	Monthly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	35	MH16A0 2	Development of the rural electrification programme	Finalized prior to the recruitment of workers (Project Activity 3)	Rural electrification programme developed and validated	Rural Electrification Programme Activity Report	Availability and content of the Rural Electrification Programme validated by the Rural Electrification Agency	Rural Electrification Agency/CPSES/AG EE	Monthly monitoring of progress until 100% achievement of the indicator
Human	35	MH16A0 3	Validation of the rural electrification program by the rural electrification agency, AGEE, the prefectural E&S monitoring committees (CPSES) and local authorities and establishment of a partnership with EDG	Finalized prior to the recruitment of workers (Project Activity 3)	A rural electrification programme validated by the Project's stakeholders	Rural Electrification Program Activity Report, RC and Validation Meeting Attendance List	Number of people participating in the validation meeting of the rural electrification programme (disaggregated by gender and entity)	Rural Electrification Agency/CPSES/AG EE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	35	MH16A0 4	Execution and monitoring of the implementation of the rural electrification program of the affected localities	Carried out continuously during the construction phase	100% of the selected localities benefit from the rural electrification program	Rural Electrification Program Activity Report, RC and Validation Meeting Attendance List	Electricity coverage of households in selected localities (disaggregated by socio-economic level)	Rural Electrification Agency/CPSES/AG EE	Quarterly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Biological	101, 106, 107	MB7	Installation of stepped selvages	At the start of the operation phase	100% staggered edges at the edge of forest areas	Activity report	Area restored and number of shrub species	Contracting authority	Monthly monitoring during the entire implementation phase of the edges
Biological	106, 110, 112, 115, 118	MB8	Implementation of the recommendations of the compensation study	At the start of the operation phase	100% compensated natural and critical habitats	Activity report	Number of hectares restored	Contracting authority	Monthly monitoring during the entire implementation phase of the compensation
Biological	115, 116, 118	MB9	Biodiversity Awareness Program	At the start of the operation phase	Reduction of human-animal conflict Reducing poaching and deforestation	Training CRs, attendance lists	Number of participants Number of conflicts Poaching facts	Contracting authority	Quarterly monitoring
Human	31 to 34	MH08A01	Revision and updating of the PEPP	Finalized prior to the start of O&M activities (Project Activity 11)	A PEPP adapted to the operation phase	ESMP activity report	Availability and content of the updated PEPP	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	19, 26, 27	MH08A02	Revision and updating of the MGP	Finalized prior to the start of O&M activities (Project Activity 11)	A MGP adapted to the construction phase	ESMP activity report	Availability and content of the updated PMF	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	Transversal/ Structural	MH08A03	Reduction of staff in stakeholder engagement	Finalized prior to the start of O&M activities (Project Activity 11)	Contracts signed with staff in charge of E&S aspects	ESMP activity report, contracts signed	Number of persons employed (disaggregated by gender)	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	19, 26, 27	MH08A04	Outreach to all stakeholders of the updated MGP	Carried out at the beginning of O&M activities (Project Activity 11)	Updated MGP shared with stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress until all stakeholders identified in the PPGTP are reached
Human	31 to 34	MH08A05	Execution and monitoring of the implementation of the Project PPGTP	Carried out continuously during the operation phase	Information/consultation of stakeholders	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress throughout the operation phase
Human	60	MH09A01	Evaluation of the results of the Resettlement and Livelihood Restoration Strategy	Completed at the beginning of O&M activities (Project Activity 11)	Detection of non-conformities in the livelihood restoration process	ESMP activity report, PRMS evaluation report, report and attendance lists	Availability and content of the PRMS evaluation report	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	60	MH09A02	Revision and update of the PRMS	Completed at the beginning of O&M activities (Project Activity 11)	A PRMS better adapted to the needs of PAPs	ESMP activity report	Availability and content of the updated PRMS	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	60	MH09A03	Popularization of the updated PRMS	Completed at the beginning of O&M activities (Project Activity 11)	Updated PRMS shared with stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress until reaching all affected villages
Human	60	MH09A04	Implementation and monitoring of the updated PRMS	Carried out continuously during the exploitation phase until livelihoods are restored	100% of economically displaced people with similar or better living conditions than before the Project	ESMP activity report, PRMS follow-up report, final audit of PRMS	Living standards of economically displaced persons (disaggregated by gender and village)	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	17 to 19	MH10A01	Revision and updating of the migration management plan	Completed at the beginning of O&M activities (Project Activity 11)	A migration management plan adapted to the operation phase	ESMP activity report	Availability and content of the updated migration management plan	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	17 to 19	MH10A02	Popularization of the updated migration management plan	Completed at the beginning of O&M activities (Project Activity 11)	Updated management plan shared with stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress until all stakeholders identified in the PPGTP are reached
Human	17 to 19	MH10A03	Implementation of the updated Migration Management Plan	Carried out continuously during the operation phase	Implementation of the measures proposed in the Migration Management Plan	ESMP activity report, CR and attendance lists, communication material	Number of participants in activities (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress throughout the operation phase
Human	Transversal/ Structural	MH11A01	Inserting E&O Requirements into DAOs for Infrastructure O&M	Carried out during the development of O&M CADs	O&M DAO including E&O clauses aligned with the Project's ESMP	Activity report PGES, DAO O&M	Availability and content of O&M DAOs	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH11A02	Recruitment of E&S expertise for the supervision of the O&M PGES	Finalized prior to recruitment of O&M workers (Project Activity 10)	Contracts signed with staff in charge of E&S aspects	ESMP activity report, contracts signed	Number of persons employed (disaggregated by gender)	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH11A03	Preparation of the ESMP O&M by the contracting company	Finalized prior to recruitment of O&M workers (Project Activity 10)	An O&M ESMP adapted to the construction phase and aligned with the requirements of the Project's ESMP	ESMP activity report	Availability and content of the GGP O&M	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	Transversal/ Structural	MH11A04	Validation of the PGES O&M by the AGEE and the prefectural E&S monitoring committees (CPSES)	Finalized prior to recruitment of O&M workers (Project Activity 10)	An O&M ESMP validated by the Project's stakeholders	ESMP activity report, report and attendance list of the validation meeting	Number of people participating in the GGP validation meeting (disaggregated by gender and entity)	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH11A05	Popularization of the GGP O&M and the MGP among stakeholders	Finalized prior to recruitment of O&M workers (Project Activity 10)	PGES O&M shared with stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress until all stakeholders identified in the PPGTP are reached
Human	Transversal/ Structural	MH11A06	Execution and monitoring of the implementation of the O&M ESMP	Carried out continuously throughout the operation phase	Implementation of the measures proposed in the GGP O&M	ESMP activity report, CR and attendance lists, communication material	Number of participants in activities (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress throughout the construction phase
Human	Transversal/ Structural	MH11A07	Audit of the completion of the PGES O&M and closing of the contract.	Finalized at the end of the operating phase	Verification of the correct completion of all measures of the O&M ESMP	ESMP activity report, audit report, report and attendance lists	Availability and content of the ESMP O&M completion audit	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	Transversal/ Structural	MH16A05	Evaluation of the results of the rural electrification program of the affected localities	Carried out continuously during the operation phase	Detection of non-conformities in the implementation of the rural electrification program	Rural Electrification Program Activity Report, RC and Validation Meeting Attendance List	Availability and content of the evaluation report of the rural electrification programme	Rural Electrification Agency/CPSES/AG EE	Quarterly monitoring of progress until 100% achievement of the indicator

Table 8: Non-Technical Summary – Environmental and Social Monitoring Programme – Operation phase

Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Biological	44,102,111	MB7	Installation of stepped selvages	At the start of the operation phase	100% staggered edges at the edge of forest areas	Activity report	Area restored and number of shrub species	Contracting authority	Monthly monitoring during the entire implementation phase of the edges
Biological	116, 119 to 121	MB8	Implementation of the recommendations of the compensation study	At the start of the operation phase	100% compensated natural and critical habitats	Activity report	Number of hectares restored	Contracting authority	Monthly monitoring during the entire implementation phase of the compensation
Biological	119 to 121	MB9	Biodiversity Awareness Program	At the start of the operation phase	Reduction of human-animal conflict Reducing poaching and deforestation	Training CRs, attendance lists	Number of participants Number of conflicts Poaching facts	Contracting authority	Quarterly monitoring
Human	61,62,63	MH02A04	Development of the RAP/PRMS	Completed during land acquisition (Project Activity 2)	PAR/PRMS developed and validated	ESMP activity report	Availability and content of RAPs/PRMS validated by displaced and host communities	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	31 to 34	MH08A01	Revision and updating of the PEPP	Finalized prior to the start of O&M activities (Project Activity 11)	A PEPP adapted to the operation phase	ESMP activity report	Availability and content of the updated PEPP	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	19, 26, 27	MH08A02	Revision and updating of the MGP	Finalized prior to the start of O&M activities (Project Activity 11)	A MGP adapted to the construction phase	ESMP activity report	Availability and content of the updated PMF	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH08A03	Reduction of staff in stakeholder engagement	Finalized prior to the start of O&M activities (Project Activity 11)	Contracts signed with staff in charge of E&S aspects	ESMP activity report, contracts signed	Number of persons employed (disaggregated by gender)	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	19, 26, 27	MH08A04	Outreach to all stakeholders of the updated MGP	Carried out at the beginning of O&M activities (Project Activity 11)	Updated MGP shared with stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress until all stakeholders identified in the PPGTP are reached



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	31 to 34, 36, 70	MH08A05	Execution and monitoring of the implementation of the Project PPGTP	Carried out continuously during the operation phase	Information/consultation of stakeholders	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress throughout the operation phase
Human	60	MH09A01	Evaluation of the results of the Resettlement and Livelihood Restoration Strategy	Completed at the beginning of O&M activities (Project Activity 11)	Detection of non-conformities in the livelihood restoration process	ESMP activity report, PRMS evaluation report, report and attendance lists	Availability and content of the PRMS evaluation report	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	60	MH09A02	Revision and update of the PRMS	Completed at the beginning of O&M activities (Project Activity 11)	A PRMS better adapted to the needs of PAPs	ESMP activity report	Availability and content of the updated PRMS	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	60	MH09A03	Popularization of the updated PRMS	Completed at the beginning of O&M activities (Project Activity 11)	Updated PRMS shared with stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Monthly monitoring of progress until reaching all affected villages



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	60	MH09A04	Implementation and monitoring of the updated PRMS	Carried out continuously during the exploitation phase until livelihoods are restored	100% of economically displaced people with similar or better living conditions than before the Project	ESMP activity report, PRMS follow-up report, final audit of PRMS	Living standards of economically displaced persons (disaggregated by gender and village)	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	17 to 19	MH10A01	Revision and updating of the migration management plan	Completed at the beginning of O&M activities (Project Activity 11)	A migration management plan adapted to the operation phase	ESMP activity report	Availability and content of the updated migration management plan	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	17 to 19	MH10A02	Popularization of the updated migration management plan	Completed at the beginning of O&M activities (Project Activity 11)	Updated management plan shared with stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress until all stakeholders identified in the PPGTP are reached
Human	17 to 19	MH10A03	Implementation of the updated Migration Management Plan	Carried out continuously during the operation phase	Implementation of the measures proposed in the Migration Management Plan	ESMP activity report, CR and attendance lists, communication material	Number of participants in activities (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress throughout the operation phase



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	Transversal/ Structural	MH11A01	Inserting E&O Requirements into DAOs for Infrastructure O&M	Carried out during the development of O&M CADs	O&M DAO including E&O clauses aligned with the Project's ESMP	Activity report PGES, DAO O&M	Availability and content of O&M DAOs	CPSES/AGEE	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH11A02	Recruitment of E&S expertise for the supervision of the O&M PGES	Finalized prior to recruitment of O&M workers (Project Activity 10)	Contracts signed with staff in charge of E&S aspects	ESMP activity report, contracts signed	Number of persons employed (disaggregated by gender)	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH11A03	Preparation of the O&M ESMP by the contracting company	Finalized prior to recruitment of O&M workers (Project Activity 10)	An O&M ESMP adapted to the construction phase and aligned with the requirements of the Project's ESMP	ESMP activity report	Availability and content of the GGP O&M	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH11A04	Validation of the PGES O&M by the AGEE and the prefectural E&S monitoring committees (CPSES)	Finalized prior to recruitment of O&M workers (Project Activity 10)	An O&M ESMP validated by the Project's stakeholders	ESMP activity report, report and attendance list of the validation meeting	Number of people participating in the GGP validation meeting (disaggregated by gender and entity)	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	Transversal/ Structural	MH11A05	Popularization of the GGP O&M and the MGP among stakeholders	Finalized prior to recruitment of O&M workers (Project Activity 10)	PGES O&M shared with stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress until all stakeholders identified in the PPGTP are reached
Human	Transversal/ Structural	MH11A06	Execution and monitoring of the implementation of the O&M ESMP	Carried out continuously throughout the operation phase	Implementation of the measures proposed in the GGP O&M	ESMP activity report, CR and attendance lists, communication material	Number of participants in activities (disaggregated by gender and village), materials distributed	CPSES/AGEE	Quarterly monitoring of progress throughout the construction phase
Human	Transversal/ Structural	MH11A07	Audit of the completion of the PGES O&M and closing of the contract.	Finalized at the end of the operating phase	Verification of the correct completion of all measures of the O&M ESMP	ESMP activity report, audit report, report and attendance lists	Availability and content of the ESMP O&M completion audit	CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator
Human	Transversal/ Structural	MH16A05	Evaluation of the results of the rural electrification program of the affected localities	Carried out continuously during the operation phase	Detection of non-conformities in the implementation of the rural electrification program	Rural Electrification Program Activity Report, RC and Validation Meeting Attendance List	Availability and content of the evaluation report of the rural electrification programme	Rural Electrification Agency/CPSES/AGEE	Quarterly monitoring of progress until 100% achievement of the indicator

Table 9: Non-Technical Summary – Environmental and Social Monitoring Programme – Closure phase

Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Physics	Transversal/ Structural	MP9	Development and implementation of an Environmental Closure Management Plan	Development before the start of the closure phase	EMP developed, validated and implemented	Activity report, report, communication material	Periodic reviews of the quality of the environments: suspended solids, hydrocarbons, dust, noise, erosion zones, etc.	CPSES/AGE E	Monthly monitoring of progress throughout the closure phase
				Implementation throughout the closure phase					
Biological	109, 113, 117, 122	MB10	Development and implementation of a Biodiversity Closure Management Plan	Development before the start of the closure phase	PGBF developed, validated and implemented	Activity report	Monitoring of the population dynamics of emblematic species or umbrellas, both plant and animal	CPSES/AGE E	Monthly monitoring of progress throughout the closure phase
				Implementation throughout the closure phase					
Biological	103, 109	MB11	Development and implementation of a site rehabilitation and revegetation plan	Development at the start of the closure phase	100% of the right-of-way revegetated	Activity report	Mapping of revegetated areas 100% of areas rehabilitated/revegetated	CPSES/AGE E	Bi-monthly monitoring throughout the rehabilitation/revegetation phase
				Implementation at the end of the closure phase					



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	31 to 34	MH12A01	Revision and updating of the PEPP	Finalized prior to the recruitment of workers and subcontractors for the closure of the structures (Activity 13)	A PEPP adapted to the closure phase	ESMP activity report	Availability and content of the PEPP	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator
Human	19, 26, 27	MH12A02	Revision and updating of the MGP	Finalized prior to the recruitment of workers and subcontractors for the closure of the structures (Activity 13)	A PGM adapted to the closure phase	ESMP activity report	Availability and content of the MGP	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversal / Structural	MH12A03	Recruitment of additional staff for stakeholder engagement	Finalized prior to the recruitment of workers and subcontractors for the closure of the structures (Activity 13)	Contracts signed with staff in charge of E&S aspects	ESMP activity report, contracts signed	Number of persons employed (disaggregated by gender)	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator
Human	19, 26, 27	MH12A04	Outreach to all stakeholders of the updated MGP	Carried out at the beginning of the occupation of remote sites/the installation of non-native workers (Activity 14)	Updated MGP shared with stakeholders	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGE E	Monthly monitoring of progress until reaching all stakeholders identified in the PEPP



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	31 to 34	MH12A05	Execution and monitoring of the implementation of the Project PPGTP	Carried out continuously during the closure phase	Information/consultation of stakeholders	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGE E	Monthly monitoring of progress throughout the closure phase
Human	17 to 19	MH13A01	Revision and updating of the migration management plan	Finalized prior to the recruitment of workers and subcontractors for the closure of the structures (Activity 13)	Migration management plan adapted to the closure phase	ESMP activity report	Availability and content of the migration management plan	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator
Human	17 to 19	MH13A02	Popularization of the updated migration management plan	Carried out at the beginning of the occupation of remote sites/the installation of non-native workers (Activity 14)	An updated Migration Management Plan shared with stakeholders	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGE E	Monthly monitoring of progress until reaching all stakeholders concerned by the migration management plan
Human	17 to 19, 21	MH13A03	Implementation of the updated Migration Management Plan	Carried out continuously during the closure phase	Implementation of the measures proposed in the Migration Management Plan	ESMP activity report, CR and attendance lists, communication material	Number of participants in activities (disaggregated by gender and village), materials distributed	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	Transversa I/ Structural	MH14A0 1	Insertion of E&O requirements in DAOs for infrastructure dismantling	Carried out before the recruitment of subcontractors for the closure of the structures (Activity 13)	Works tender including E&S clauses aligned with the Project's ESMP	Activity report PGES, works tender	Availability and content of work manuals	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversa I/ Structural	MH14A0 2	Recruitment of E&S expertise for the supervision of the decommissioning ESMP	Carried out before the dismantling of the installations for the lines and substations (activity 15)	Contracts signed with staff in charge of E&S aspects	ESMP activity report, contracts signed	Number of persons employed (disaggregated by gender)	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversa I/ Structural	MH14A0 3	Preparation of the ESMP dismantling by the contracting company	Carried out before the dismantling of the installations for the lines and substations (activity 15)	A decommissioning ESMP adapted to the closure phase and aligned with the requirements of the Project's ESMP	ESMP activity report	Availability and content of the ESMP for dismantling	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversa I/ Structural	MH14A0 4	Validation of the dismantling PGES by the AGEES and the prefectural E&S monitoring committees (CPSES)	Carried out before the dismantling of the installations for the lines and substations (activity 15)	A dismantling ESMP validated by the Project's stakeholders	ESMP activity report, report and attendance list of the validation meeting	Number of people participating in the GGP validation meeting (disaggregated by gender and entity)	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator

Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	Transversa l/ Structural	MH14A0 5	Popularization of the PSI decommissioning and the MGP among stakeholders	Carried out before the dismantling of the installations for the lines and substations (activity 15)	PGES dismantling shared with stakeholders throughout the Project area	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGE E	Monthly monitoring of progress until reaching all stakeholders identified in the PEPP
Human	Transversa l/ Structural	MH14A0 6	Implementation and monitoring of the implementation of the ESMP dismantling	Carried out continuously during the closure phase	Implementation of the measures proposed in the GGP decommissioning	ESMP activity report, CR and attendance lists, communication material	Number of participants in activities (disaggregated by gender and village), materials distributed	CPSES/AGE E	Monthly monitoring of progress throughout the construction phase
Human	Transversa l/ Structural	MH14A0 7	Audit of the completion of the ESMP dismantling and closure of the contract	Finalized before the end of the closure phase	Verification of the proper implementation of all the measures of the ESMP on the construction site	ESMP activity report, audit report, report and attendance lists	Availability and content of the audit to finalise the ESMP on construction sites	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator
Human	Transversa l/ Structural	MH15A0 1	Recruitment of an E&S expert for the development and implementation of the closure plan	Carried out before the recruitment of subcontractors for the closure of the structures (Activity 13)	Contracts signed with E&S expertise	ESMP activity report, contracts signed	Number of persons employed (disaggregated by gender)	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator
Human	31 to 34	MH15A0 2	Informing and consulting stakeholders on the closure process	Carried out before the recruitment of subcontractors for the closure of the structures (Activity 13)	Information/consultation of stakeholders	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGE E	Monthly monitoring of progress until reaching all stakeholders identified in the PEPP



Middle	No. Impact	Code	Activities	Period	Objective	Tracking Method	Monitoring indicator	Monitoring Manager	Periodicity
Human	Transversal / Structural	MH15A03	Development of closure plan	Carried out before the recruitment of subcontractors for the closure of the structures (Activity 13)	Effective closure plan	ESMP activity report	Availability and Content of the Closure Plan	CPSES/AGE E	Monthly monitoring of progress until 100% achievement of the indicator
Human	31 to 34	MH15A04	Popularization of the closure plan	Carried out before the recruitment of subcontractors for the closure of the structures (Activity 13)	Closure plan and PMM shared with stakeholders	ESMP activity report, CR and attendance lists, communication material	Number of meetings and number of participants (disaggregated by gender and village), materials distributed	CPSES/AGE E	Monthly monitoring of progress until reaching all stakeholders identified in the PEPP
Human	Transversal / Structural	MH15A05	Execution and monitoring of the implementation of the Closure Plan	Carried out continuously during the closure phase	Implementation of the measures proposed in the GGP decommissioning	ESMP activity report	Number of participants in activities (disaggregated by gender and village), materials distributed	CPSES/AGE E	Monthly monitoring of progress throughout the closure phase