

# 浆SLR

Burundi – DRC - Rwanda Ruzizi III Hydroelectric Power Project

**Environmental & Social Impact Assessment** 

Vol. II: Main Report

Prepared for



Draft Report (version F)
20 June 2025



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JUNE 2025 DRAFT REPORT



### **Contents**

#### Volume I – ESIA Summary (Separate Document)

#### Volume II – ESIA Main Report

Sec	tion 1: <b>Introduction</b>	Page
1.1	Purpose of this Document	1-1
1.2	Objectives and Rationale of the Project	1-1
1.3	Project Location and Overview	1-1
1.4	The Project Proponent	1-2
1.5	ESIA Team	1-4
1.6	Facilities & Activities Included in the ESIA Scope	1-4
1.7	ESIA Report Structure	1-5
Sec	tion 2: <b>Legal and Administrative Framework</b>	
2.1	National Environmental Policies	2-1
2.2	Institutional Frameworks	2-4
2.3	National Legal Frameworks for Environmental Management	2-7
2.4	Legislation on Expropriation in the Public Interest	2-17
2.5	Legislation on Indigenous People	2-26
2.6	International Legal Framework	2-26
Sec	tion 3: <b>ESIA Process and Methodology</b>	
3.1	ESIA Process and Dates	3-1
3.2	Baseline Surveys	3-1
3.3	Area of Influence and Approach for Assessment	3-4
3.4	Impact Assessment Methodology	3-9
Sec	tion 4: <b>Project Description</b>	
4.1	Generalities	4-1
4.2	Permanent Project Components	4-8
4.3	Components for Construction Only	4-24

JUNE 2025

Ruzizi II	I HEPP   Environmental and Social Impact Assessment   Volume II – Main Repo	rt
4.4	Construction Activities and Reservoir Filling	4-30
4.5	Operation and Maintenance	4-37
4.6	Associated Facilities	4-42
4.7	Decommissioning	4-45
Sect	tion 5: <b>Analysis of Alternatives</b>	
5.1	Project Needs and Objectives	5-1
5.2	Alternative Power Production Technologies	5-1
5.3	Alternative Site Layout, Design and Mode of Operation	5-4
5.4	Do Nothing Alternative	5-9
5.5	Comparative Assessment of Alternatives	5-9
5.6	Selection of the Preferred Alternative	5-13
Sect	tion 6: Public Participation and Engagement	
6.1	Introduction	6-1
6.2	Stakeholder Identification	6-1
6.3	Engagement Activities Undertaken to Date	6-3
6.4	Future Consultation Programme	6-19
6.5	Disclosure of the ESIA Documentation	6-25
Sect	tion 7: Environmental Baseline Situation	
7.1	Climate	7-1
7.2	Geology	7-4
7.3	Hydrogeology	7-15
7.4	Geomorphology	7-17
7.5	Water Quality	7-33
7.6	Hydrology	7-36
7.7	Aquatic Ecology	7-70
7.8	Terrestrial Ecology	7-119
Sect	tion 8: <b>Social Baseline Situation</b>	
8.1	Methodology	8-1
8.2	Demography	8-14

Ruzizi III	HEPP   Environmental and Social Impact Assessment   Volume II – Main Report	•
8.3	Land Tenure	8-36
8.4	Land Use	8-40
8.5	River Uses	8-47
8.6	Economic Activities	8-51
8.7	Community Health	8-70
8.8	Community Infrastructure	8-80
8.9	Gender	8-86
8.10	Security and Human Rights	8-95
8.11	Vulnerable Groups	8-97
8.12	Cultural Heritage	8-103
8.13	Ecosystem Services: Provisioning and Cultural Services	8-111
Sect	ion 9: <b>Critical Habitat Assessment</b>	
9.1	Introduction	9-1
9.2	Assessment of Natural and Modified Habitats	9-14
9.3	Critical Habitat Assessment	9-20
Sect	ion 10: <b>Environmental Flow Assessment</b>	
10.1	Introduction	10-1
10.2	Preparatory Activities	10-3
10.3	Eco-Hydraulics	10-5
10.4	Assessment of EFlows	10-11
10.5	Summary and Conclusion	10-69
Sect	ion 11: Impact Assessment and Mitigation	
11.1	Introduction	11-1
11.2	Climate Change Vulnerability	11-2
11.3	Greenhouse Gas Emissions	11-8
11.4	Air Quality, Dust and Odour	11-17
11.5	Noise and Vibration	11-21
11.6	Soils, Groundwater and Surface Water	11-27
11.7	Hydrology	11-35

Ruzizi III F	HEPP   Environmental and Social Impact Assessment   Volume II – Main Report	갺
11.8	Geomorphology and Sediment Transport	11-41
11.9	Wastes	11-46
11.10	Aquatic Habitats and Biodiversity	11-50
11.11	Terrestrial Habitats and Biodiversity	11-71
11.12	Impacts on Local Communities' Livelihood	11-84
11.13	Labour and Working Conditions	11-91
11.14	Community Health and safety	11-101
11.15	Human Rights	11-117
11.16	Gender-Specific Risks and Impacts	11-119
11.17	Cultural Heritage	11-123
11.18	Ecosystem Services	11-133
11.19	Landscape and Visual Amenity	11-142
11.20	Positive Impacts and Benefits	11-150
11.21	Impacts on Historically Marginalised People	11-152
11.21	Recap of Impacts and Mitigation Measures	11-152
Section	on 12: <b>Cumulative Impact Assessment</b>	
12.1	Introduction	12-1
12.2	Study Area Context	12-4
12.3	Projects and Regional Development	12-8
12.4	Environmental Stressors and External Factors	12-19
12.5	CIA Temporal and Spatial Boundaries	12-21
12.6	Identification of VECs	12-22
12.7	Assessment of Cumulative Impacts on Ruzizi River Hydrology VEC	12-32
12.8	Assessment of Cumulative Impacts on Ruzizi River Geomorphology VEC	12-37
12.9	Assessment of Cumulative Impacts on Fish & Aquatic Habitat VEC	12-42
12.10	Conclusions and Mitigation and Monitoring Framework	12-48

#### References

Volume III- Annexes (Separate Document)

Volume IV – ESMP (Separate Document)



Volume V - RAP (Separate Document)

Volume VI – Quarries RPF (Separate Document)

Volume VII - GBVH Action Plan (Separate Document)

Other documents included in the ESIA Documentation (separate stand-alone documents)

Local Area Development Plan (LADP)

Stakeholder Engagement Plan (SEP)

Environmental and Social Commitments Plan (ESCP)



## **Abbreviations and Acronyms**

Full text
Lake Kivu and Ruzizi River Basin Authority
Agence congolaise de l'environnement (Congolese Environment Agency)
Acoustic Doppler Current Profiler
Association des Eglises de Pentecôte au Rwanda
Agence Française de Développement (French Agency for Development)
African Development Bank
Aga Khan Fund for Economic Development
Area of Influence
Area of Occupancy
Above sea level
Average Score per Taxon
Association villageoise d'épargne et de crédit
Biodiversity Action Plan
Biological Diatom Index
Biodiversity Importance
Biodiversity Management Plan
Build, Own, Operate, Transfer
Community of Indigenous People of Rwanda
Communautés des Eglises Chrétiennes en Afrique
Communautés des églises libres pentecôtistes en Afrique
Communautés des églises pentecôtistes au Congo
Construction Environmental and Social Management Plan
Critical Habitat
Critical Habitat Assessment
Critical Habitat-qualifying biodiversity features
Conservation Importance
Cumulative Impact Assessment
Conseil national de l'environnement et du développement durable (National Council for Environment and Sustainable Development)
Coordination provinciales pour l'environnement et le développement durable (Provincial Coordination Units for the Environment and Sustainable Development
Critically Endangered
Centre de recherche en sciences naturelles et en environnement (Research Centre in Natural Sciences and Environment)
Coordination urbaine pour l'environnement et le développement durable (Urban Coordination Units for the Environment and Sustainable Development)
Data Deficient
Département des forêts et le Département de l'environnement et du changement climatique (Forestry Department and the Environment and Climate Change Department)
Dissolved Oxygen
Democratic Republic of Congo
Développement rural d'Ishamba
Environmental and Social
Ecological Area of Analysis
Endemic Bird Areas
Economic Community of the Great Lakes Countries
Economic Development and Poverty Reduction Strategy
Environmental Flow
Environmental Flow Management Plan
Energy of the Great Lakes
Energy of the Great Lakes Environment, Health and safety



EIB	European Investment Bank	
EN	Endangered	
EOO	Extent of Occurrence	
EPC	Engineering, Procurement and Construction	
ESCP	Environmental and Social Commitments Plan	
ESIA	Environmental and Social Impact Assessment	
ESMMP	Environmental and Social Management and Monitoring Plan	
ESMP	Environmental and Social Management Plan	
ESS	Environmental and Social Standard	
FEOW	Freshwater Ecosystems of the World	
FI	Functional Importance	
FNPSS	Fonds national pour la promotion des services sociaux (National Fund for the Promotion of	
1141 00	Social Services)	
FPIC	Free Prior Informed Consent	
FS	Feasibility Study	
FSL	Full Supply Level	
GBIF	Global Biodiversity Information Facility	
GBV	Gender-based Violence	
GBVH	Gender-based Violence and Harassment	
GCM	General Circulation Model	
GEEC	Groupe d'évaluation model  Groupe d'évaluation environnementale du Congo (Congo Environmental Assessment Group)	
GEF	Global Environment Facility	
GEM	Global Environmental Multiscale Mode	
GHG		
	Greenhouse Gas	
GIP	Good Industry Practices	
GRF	Groupe de réflexion sur les conflits Fonciers	
HEC-RAS	Hydrologic Engineering Centers River Analysis System	
HEPP	Hyro Electric Power Project	
HESG	Hydropower Sustainability Environmental, Social and Governance Gap Analysis Tool	
HFO	Heavy Fuel Oil	
HIV	Human Immunodeficiency Viruses	
HMP	Historically Marginalized People	
HMPDP	Historically Marginalized People Development Plan	
HPP	Hydropower Project	
HSP	Human Settlement Policy	
IBA	Important Bird Area	
ICCN	Institut Congolais pour la Conservation de la Nature	
ICOLD	International Commission on Large Dams	
IFC	International Finance Corporation	
IHA	International Hydropower Association	
InSAR	Interferometric Synthetic Aperture Radar	
IPP	Independent Power Project	
IPS	Industrial Promotion Services	
ISS	Ishamba Start Security	
IUCN	International Union for the Conservation of Nature	
IWRM	Integrated Water Resource Management	
JIU	Joint Implementation Unit	
KBA	Key Biodiversity Area	
KfW	Kreditanstalt für Wiederaufbau (German Development Bank)	
LADP	Local Area Development Plan	
LC	Least Concern	
LiDAR	Light Detection and Ranging	
MEAE	Ministère de l'Environnement, de l'agriculture et de l'élevage (Ministry of Environment, Agriculture and Livestock)	
MEDD	Ministère de l'Environnement et du développement durable (Ministry of the Environment and Sustainable)	
	Development	
MIDIMAR	Ministry of Disaster Management and Refugees Affairs	
MoE	Ministry of Environment	
MUSO	Mutuelle de Solidarité	



N/A	Not Applicable		
NE	Not Evaluated		
NGO	Non-Governmental Organization		
NGO	Non-Governmental Organisation		
NISR	National Institution of Statistics of Rwanda		
NT	Near Threatened		
NTS	Non-Technical Summary		
OBPE	l'Office burundais de protection de l'environnement (Burundian Environmental Protection Office)		
PA	Protected Area		
PAP	Project Affected People		
PCG	Pentecostal Church of God		
PDD	Paix et Développement durable		
PES	Present Ecological State		
Pre-ESIA	Preliminary Environmental and Social Impact Assessment		
PS	Performance Standard		
RAP	Resettlement Action Plan		
RDB	Rwanda Development Board		
RDBI	Rwandan Dragonfly Biotic Index		
REG	Rwanda Energy Group		
REGIDESO	Régie de distribution d'eau		
REL	Ruzizi III Energy Limited		
REMA	Rwanda Environment Management Authority		
RLMUA	Rwanda Land Management and Use Authority		
RMA	Rwanda Meteorology Agency		
SAIAB	South African Institute for Aquatic Biodiversity		
SAR	Synthetic Aperture Radar		
SASS5	South African Scoring System version 5		
SCC	Species of Conservation Concern		
SEA	Sexual Exploitation and Abuse		
SEP	Stakeholder Engagement Plan		
SINELAC	Société Internationale d'Électricité des Pays des Grands Lacs		
SoW	Scope of Work		
SPI	Specific Pollution Index (Diatoms)		
SRTM	Shuttle Radar Topography Mission		
STD	Sexually Transmitted Diseases		
SYDERU	Synergie des expatriés de Ruduha		
TDI	Trophic Diatom Index		
TMS	Timed-Meander Search		
UNEP	United Nation Environment Programme		
UNESCO	United Nations Educational, Scientific and Cultural Organization		
UNPO	Unrepresented Nations and Peoples Organisation		
VEC	Valued Environmental Component		
VECEA	Vegetation and Climate change in East Africa		
VU	Vulnerable		
WB	World Bank		
WDPA	World Database on Protected Areas		
WHO	World Health Organization		



### **Units**

Unit Full text Percent

gCO<sub>2</sub>e/kWh Grams of equivalent carbon dioxide per kilowatt hour

GWh Gigawatt hour ha Kilometre km  $\,\mathrm{km}^2$ Square kilometre Kilowatt hour  $\,kWh$ Metre m

m³/s Cubic metres per second  $Mm^3$ Million cublic metres

MWMegawatt Second s

t/km² Tonnes per square kilometre W/m<sup>2</sup> Watts per square metre