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SLR

Burundi – DRC - Rwanda
Ruzizi III Hydroelectric Power Project

Environmental & Social Impact Assessment

Vol. II: Main Report

Prepared for

REL
Ruzizi III Energy Limited

Draft Report (version F)
20 June 2025

Making Sustainability Happen

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ISSUE AND REVISION RECORD

Revision	Date	Prepared by:	Checked by:	Description:
A	29 April 2022	Nicholas Bukowski Jessica Hughes Clément Repussard Camilla Angelotti Matthew Scott See full list in Annex A	Nicholas Bukowski	First draft for EGL review
B	17 August 2022	REL	REL	Second draft issue for EGL Review
C	16 June 2023	Nicholas Bukowski Jessica Hughes Clément Repussard Camilla Angelotti Matthew Scott See full list in Annex A	Nicholas Bukowski	Third draft issue for EGL Review
D	01 July 2024		Nicholas Bukowski	Fourth draft – for issue to Lenders
E	26 September 2024		Nicholas Bukowski	Draft Report for Public Disclosure
F	20 June 2025		Nicholas Bukowski	Nicholas Bukowski

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Volume III– Annexes (Separate Document)

Volume IV – ESMP (Separate Document)

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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)

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Abbreviations and Acronyms

Acronym	Full text
ABAKIR	Lake Kivu and Ruzizi River Basin Authority
ACE	*Agence congolaise de l'environnement* (Congolese Environment Agency)
ADCP	Acoustic Doppler Current Profiler
ADEPR	Association des Eglises de Pentecôte au Rwanda
AFD	*Agence Française de Développement* (French Agency for Development)
AfDB	African Development Bank
AKFED	Aga Khan Fund for Economic Development
AoI	Area of Influence
AOO	Area of Occupancy
asl	Above sea level
ASPT	Average Score per Taxon
AVEC	Association villageoise d'épargne et de crédit
BAP	Biodiversity Action Plan
BDI	Biological Diatom Index
BI	Biodiversity Importance
BMP	Biodiversity Management Plan
BOOT	Build, Own, Operate, Transfer
CAURWA	Community of Indigenous People of Rwanda
CECA	Communautés des Eglises Chrétiennes en Afrique
CELPA	Communautés des églises libres pentecôtistes en Afrique
CEPAC	Communautés des églises pentecôtistes au Congo
CESMP	Construction Environmental and Social Management Plan
CH	Critical Habitat
CHA	Critical Habitat Assessment
CH-q	Critical Habitat-qualifying biodiversity features
CI	Conservation Importance
CIA	Cumulative Impact Assessment
CNDD	*Conseil national de l'environnement et du développement durable* (National Council for Environment and Sustainable Development)
CPEDD	*Coordination provinciales pour l'environnement et le développement* durable (Provincial Coordination Units for the Environment and Sustainable Development
CR	Critically Endangered
CRSNE	*Centre de recherche en sciences naturelles et en environnement* (Research Centre in Natural Sciences and Environment)
CUEDD	*Coordination urbaine pour l'environnement et le développement durable* (Urban Coordination Units for the Environment and Sustainable Development)
DD	Data Deficient
DECC	*Département des forêts et le Département de l'environnement et du changement climatique* (Forestry Department and the Environment and Climate Change Department)
DO	Dissolved Oxygen
DRC	Democratic Republic of Congo
DRISHA	Développement rural d'Ishamba
E&S	Environmental and Social
EAA	Ecological Area of Analysis
EBA	Endemic Bird Areas
ECGLC	Economic Community of the Great Lakes Countries
EDPRS	Economic Development and Poverty Reduction Strategy
EFlow	Environmental Flow
EFMP	Environmental Flow Management Plan
EGL	Energy of the Great Lakes
EHS	Environment, Health and safety
EIA	Environmental Impact Assessment

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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 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 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

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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

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Units

Unit	Full text
%	Percent
gCO_2e/kWh	Grams of equivalent carbon dioxide per kilowatt hour
GWh	Gigawatt hour
ha	Hectare
km	Kilometre
km^2	Square kilometre
kWh	Kilowatt hour
m	Metre
m^3/s	Cubic metres per second
Mm^3	Million cublic metres
MW	Megawatt
s	Second
t/km^2	Tonnes per square kilometre
W/m^2	Watts per square metre

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