

SURFACE WATER ABSTRACTION APPLICATION FORM (Part A)

REPUBLIC OF RWANDA



MINISTRY OF NATURAL RESOURCES
RWANDA WATER AND FORESTRY AUTHORITY

APPLICATION FOR SURFACE WATER ABSTRACTION

Article 32, 34, Law N°62/2008 of 10/09/2008 relating to the use, conservation, protection and management of water resources

Article 6, 9 of the Ministerial Order N°002/16.01 of 24/05/2013 determining the procedure for declaration, authorization and concession for the utilization of water

IDENTIFICATION OF APPLICANT	DETAILS
1. Full name of Applicant (In Block Letters)	
2. Category of Applicant (Individual, Company, Cooperative, Organization, Institution, Other (specify))	
3. ID/Passport Number of Applicant (Individual) or Certificate of Registration/Legal personality for Companies, Cooperative or Organization	Attach copy
Contact address of Applicant	
1. P.O Box	
2. Town, Province, District, Cell, Village	
3. Telephone contact (Mobile)	
4. Telephone contact (Landline)	
5. Email Address	
Alternative Contact Person	

1. Full names of Alternative Contact Person	
2. ID/Passport Number	
3. Town, Province, District, Cell, Village	
4. Telephone contact (Mobile)	
5. Telephone contact (Landline)	
6. Email Address	
SOURCE OF WATER	DETAILS
Select the Source where water will be abstracted from	<input type="checkbox"/> Lake <input type="checkbox"/> River <input type="checkbox"/> Dam <input type="checkbox"/> Stream <input type="checkbox"/> Swamp <input type="checkbox"/> Other (specify)
Name of the Source of Water	
Tributary to	
Location of the Source of Water (Point(s) of abstraction (Town, Province, District, Cell, Village)	Attach geographic/topographic maps indicating clearly the point(s) of abstraction
Catchment Name and Level (1 and 2)	
Reliability of water source	<input type="checkbox"/> Water always available <input type="checkbox"/> Frequently Dry <input type="checkbox"/> Dry during certain season
Discharge of source of water	m ³ /s

PROPOSED USE OF WATER						
Tick one or more boxes as appropriate		<input type="checkbox"/> Commercial Irrigation	<input type="checkbox"/> Mining			
		<input type="checkbox"/> Industrial	<input type="checkbox"/> Aquaculture			
		<input type="checkbox"/> Water supply	<input type="checkbox"/> Electricity generation			
		<input type="checkbox"/> Other (specify)				
Quantity of water to be abstracted for each of the proposed purposes	Purpose	Flow rate m ³ /s	Maximum daily m ³	Maximum monthly	Maximum yearly m ³	Hours/day
	1.					
	2.					
Total						
Refer to the checklist attached hereto and provide required information corresponding to the proposed use of water						
Return flow quantity and quality	m ³ /day					
Method of water abstraction (pumping system or deviation channel/diversion)	Type	Dimension		Capacity (m ³ /s)		
Method of measuring the quantity of water to be abstracted						
Potential effects of proposed activity (positive or adverse)						
Any actions to take to avoid, remedy or mitigate any adverse effects identified						
Period for which the Authorization is required						

Dated _____, at _____
Date Location

Signature of Applicant or duly Authorized Agent _____ Seal/Stamp

Full names _____ Title or Relationship _____

OFFICIAL SECTION

Reception date _____ day of _____ 20 _____

Full names _____ Title/Position _____

Signature of Ministry Official _____

CHECKLIST (Part B)

NOTE: Information requested hereunder must be provided through attachments submitted with the Application form

WATER USE AND DEMAND

IRRIGATION						
Type of Crop		Type of Production System (out door, Green House, hydroponics)	Type of irrigation technology/method (overhead, micro-sprinkler, drip)	Expected Rate of Water Use (m ³ /ha/day)	Total irrigated area (ha)	Total Expected Water demand at the harvesting time (assuming no rainfall)
Type	Growing season (months)					
From	To					
TOTAL						
Storage facilities, if proposed (Reservoirs, tanks, etc)						
Facility			Capacity (m³)			
Attach plans/drawings of water diversion relative to fields to be irrigated						
What percentage of water flow will be diverted for agricultural use?						
Describe what diversion/withdrawal/drainage works will be constructed on the irrigated land.						
How will you dispose of unused water? Name the water source to which it will be returned.						

WATER SUPPLY		
	Number	Volume of water required (m ³)
Population to be served (number of people/number of dwellings)		
Estimated use per capita (m ³ /day)		
Water Demand per day (number of		

person*m ³ /day)		
How much water will be abstracted? (m ³ /day)		
Type and number of storage facilities		
How much storage capacity (m ³)		
Total of volume (m ³)		

Aquaculture						
Species						
Ponds	IS THE POND CONSTRUCTED IN THE WATER SOURCE CHANNEL OR OFF WATER SOURCE?				Yes	No
	Length m	Width m	Surface (m ² /ha)	Storage Capacity (m ³)	Amount of water to be diverted (m ³)	Amount of water Returned (m ³ /day) Returned to(Name of Stream)
In water source aquaculture	Total area (m ² /ha)	Estimated dry season losses due to evaporation (m ³ /day)			(Calculation)	

INDUSTRIAL	
Type of Industry (tick whichever is appropriate)	
Food Processing	
Horticultural Packaging	
Chemical Manufacturing	
Mineral water	
Brewing/Beverage manufacturing	
Fruit and vegetable canning or pickling	
Others (explain)	
Water Requirements	
Water required for Plant /Processing (m ³ /day)	
Water required for Sanitation Facilities (m ³ /day)	
Water required for other purposes (m ³ /day)	
Total Water Requirements (m ³ /day)	

ELECTRICITY GENERATION		
1. Capacity of Power Plant (output)		
2. Gross fall or head available for power production at the following river stage (Altitude)	At low stage (meters)	At high stage (meters)
3. The net fall or head to be used in 1 above	Meters	
4. The water needed to be used in 1 above	m^3/s	
5. Amount of water to be diverted	(m^3)	
6. How will water be returned to its sources after use?		
7. State length of any return channel	meters	
8. Distance between dam and Power Plant	m or km	
9. Is there any water user along this distance?		

MINING	
Water required for Physical separation (m^3/day)	
Water required for washing equipment (m^3/day)	
Total Water Requirements (m^3/day)	

CONSTRUCTION OF WORKS FOR THE USE OF WATER (Water flow alteration and construction of Diversion works structures in water flow)	
Purpose of construction (objectives)	
Description of the construction project (Materials, quantities, excavation, construction methods, temporary facilities, etc)	
Expected period of time required for construction within water flow	

Liability during construction					
Topographic site Map (show boundaries of the site and existing conditions)					
Plans or maps showing proposed alterations and/or constructions at the end of construction works					
Required for water flow diversion only					
Maps showing location of intake and discharges					
Submit drawings/plans including sizes, materials, pipes and fixtures (valves, backflow control devices, meters, etc). Include pump capacity and water storage facilities. Clearly indicate all existing conditions and proposed alteration.					
Submit drawings/plans showing configuration of the intake structure, indicating the stream level at different seasonal flows. Show direction, velocities, detailed sizes and configuration of diversion structures.					
Location of point (s) of diversion	Intake	Flow (m ³ /s)	Latitude	Longitude	Elevation (m)
Location points of discharge	Discharge	Flow (m ³ /s)	Latitude	Longitude	Elevation (m)