



Computation of long-term annual renewable water resources (RWR) by country (in km<sup>3</sup>/year, average)

## Rwanda

Internal RWR		
Precipitation (mm/year)	[1]	1 212
Area of the country (1000 ha)	[2]	2 634
Precipitation (km <sup>3</sup> /year)	[3]	31.92 =([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	9.5
Groundwater: produced internally	[5]	7
Overlap between surface water and groundwater	[6]	7 (a)
<b>Total internal renewable water resources</b>	[7]	9.5 =([4]+[5]-[6])
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	3.8 (b)	
Inflow not submitted to treaties		[8] 3.8
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	0 (c)	[10] 0
Accounted inflow		[11] 3.8 =([8]+[9]+[10])
Surface water leaving the country	6.145 (d)	
Outflow not submitted to treaties		6.145
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 3.8 =([11]-[12])
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country	0	0
<b>Total external renewable water resources</b>		[15] 3.8 =([13]+[14])
Total RWR		
Surface water		[16] 13.3 =([4]+[13])
Groundwater		[17] 7 =([5]+[14])
Overlap between surface water and groundwater		[6] 7 (a)
<b>Total renewable water resources</b>		[18] 13.3 =([16]+[17]-[6])
Dependency ratio (%)		[19] 28.57 =100*([11]+[14])/([11]+[14]+[7])

**Metadata:**

- (a) Overlap between surface water and groundwater is 100% of groundwater recharge; most of the groundwater is drained by the rivers (equivalent to the low flow of water courses), as Rwanda is a humid landlocked country.  
 (b) FROM: United Republic of Tanzania: 7.6/2 (Kagera/Akagera [border- RWA/TZA])  
 (c) Small border river between Burundi and Rwanda, but as both countries contribute to it, it is not accounted.  
 (d) TO: United Republic of Tanzania: 4.67 (Kagera/Akagera); Democratic Republic of the Congo: 0.3 (Feeding Kivu Lake); Burundi: +(4.7/2)/2 (Rusizi [border- BDI/COD])  
 (d) (TZA):On Kagera/Akagera: This is the contribution from the Kanyaru to the Kagera