



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

Japan

Internal RWR		
Precipitation (mm/year)	[1]	1 668
Area of the country (1000 ha)	[2]	37 796
Precipitation (km <sup>3</sup> /year)	[3]	630.4 =([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	420
Groundwater: produced internally	[5]	27
Overlap between surface water and groundwater	[6]	17 (a)
<b>Total internal renewable water resources</b>	[7]	430 =[4]+[5]-[6]
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	0	
Inflow not submitted to treaties		[8] 0
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	0	[10] 0
Accounted inflow		[11] 0 =[8]+[9]+[10]
Surface water leaving the country	0	
Outflow not submitted to treaties		0
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 0 =[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] 0 =[13]+[14]
Total RWR		
Surface water	[16]	420 =[4]+[13]
Groundwater	[17]	27 =[5]+[14]
Overlap between surface water and groundwater	[6]	17 (a)
<b>Total renewable water resources</b>	[18]	430 =[16]+[17]-[6]
Dependency ratio (%)	[19]	0 =100*([11]+[14])/([11]+[14]+[7])

Metadata:

(a) Overlap between surface and groundwater equals estimated to be less than 80 % of the ground water recharge as Japan is an island and some groundwater escape directly into the sea.