

RIVER BASIN

ATTANGALU OYA

[SRI LANKA]

SCHEDULE A
ASSESSMENT OF RIVER BASINS (RBs) IN SOUTH ASIA

Sr. No.	Details	Response
1	Physical Features - General Information	
1.1	Name of River basin (also indicate regional names);	Attanagalu Oya
1.2	Relief Map and Index Map of RB	Map 1- relief map Map 2 - index map
1.3	Geographical location of the place of origin (Country/District)	Map 3 - river basin map
1.4	Area (in Sq. Kms.),	735 km ²
1.5	Population (in Millions); Name of population centers/ Cites (duely marked on the map: refer 1.2) having Population -	
	(a) More than 0.5 Million - 1 Million	
	(b) More than 1 Million – 10 Million	1.1 Million
	(c) More than 10 Million	
1.6	Approximate areas of upper regime, middle regime and lower regime;	-
1.7	Country and States (Province) in which the basin lies (indicate % area covered);	Sabaragamuwa - Kegalle (113 km ² - 14%) Western - Gampaha(683 km ² - 86%)
2	Hydrological and Land use Features:	

2.1	Average annual rainfall (in mm);	2685 mm
2.2	Maximum-minimum temperatures in Degree Centigrade	Min. - 20 ^o c Max. - 37 ^o c
2.3	Average annual yield (discharge) of water in Cubic Meter and the average yield for last past five years	1129 mcm
2.4	Major tributaries	Deyalla Oya, Uruwal Oya
2.5	Percentage shares of major water uses & Surface and groundwater abstraction in percentages-Convert into Table (a.) Agriculture,	**
	(b.) Industries,	**
	(c). Domestic,	**
	(d). urban,	**
	e). environmental flows.	Mean annual discharge to sea - 845 mcm
2.6	Major cropping pattern	**
2.7	Cultivable area under irrigation	32.6 km ²
2.8	Cultivable area not under irrigation	**
2.9	State other Water Uses- eg. Navigation, power, recreation etc.	Fish industry in tanks, Recreation for eco-tourism

3	Ecosystem Features	
3.1	Agro-climatic zones	Map 4 - Agro ecological map Wet zone
3.2	Major sub ecosystems (zoogeographical zones)	Map 4 - Agro ecological map WL1b, WL3
3.3	Major soil types	Map 5 - Soil map of Sri Lanka Red yellow podsollic with soft and hard laterite, Red yellow podsollic with semi prominent A horizon, Red yellow podsollic, low humic clay soil, Regosol
3.4	National parks/sanctuaries, lakes, wetlands, etc.	-
3.5	Brief information about the delta region of the basin (area, location, major urban centers in the delta, etc.)	-
4	Water Quality	
4.1	Prevailing water quality standards (e.g. Class I, II, III.etc, indicating permitted uses)	**
4.2	Stretches (along the River) in Kms. with water quality classes indicated (may be marked on the map)	**
4.3	Sources of Pollution, with data indicating quantum and/or severity.	Agro-chemicals - Eutrofication Untreated wastewater discharge (industries, domestic, urban)
4.4	Prevailing abatement techniques e.g: ETP, STP, legislation,etc.	**
5	Current status of the resource development & potential for development	
5.1	Water availability: a. Per capita water availability (in lpcd)	1026 m ³ / person / Yr
	b. Per hectare water availability (in Cubic meters for cultivable command area):	346319 m ³ / ha /Yr

	c. Availability of environmental flows (Current reserve, if any):	Mean annual discharge to sea - 845 mcm
	d. Availability of ground water/ Average annual ground water abstraction/recharge.	**
5.2	Structures:	-
	a. Major dams/barrages (with utilization categories):	-
	b. Proposed dams:	-
	c. Live storage of major dams:	-
	d. Live storage through proposed dams:	-
	e. Inter basin transfer systems:	-
	f. Any Other:	-
5.3	Command area of major dams	-
5.4	Agencies functioning in the basins: a. Public agencies/ CSOs which construct/ implement the infrastructures b. Private agencies/ CSOs involved in infrastructure development	Dept. of Agriculture, Provincial Dept.of Agriculture,Irrigation Department,National Water Supply and Drainage Board, Water Resources Board
6	Existence of National/State/Provincial Laws or Notifications relating to water-Management / use/development/opportunity for private sector participation or for privatization of water resources	**
7	Key Issues:	**
8	Enabling instruments- Law/ Policy/ Economic & Financial Measures for	National Environment Act of 1988, Irrigation Ordinance, Flood Protection Ordinance National Water Supply & Drainage Board Law No. 2 of 1974,

	introducing IWRM in the basin	Agricultural Land Law No. 42 of 1973, Forest Ordinance National Water Resources Policy (NWRP) -The National Water Resources Policy (NWRP) should adopt effective measures to regulate water allocations, prepare plans for integrated water resources development, management and conservation of water resources while introducing legislation to recognize the rights of water users and grant water rights to them.
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SCHEDULE B
ASSESSMENT OF RIVER BASINS (RBs) IN SOUTH ASIA
Nil

SCHEDULE C
ASSESSMENT OF RIVER BASINS (RBs) IN SOUTH ASIA
Nil