

RIVER BASIN

INDRAVATI

[INDIA]

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)	Indravati
1.2	Relief Map and Index Map of RB with Country/ State/ Province boundary marked to be attached.	Refer Annexure 1
1.3	Geographical location of the place of origin (Country/District.)	It originates from the Eastern Ghats in Kalahandi district. (Source- http://www.orissaa.com/orissa_rivers.html#Indravati)
1.4	Area (in Sq. Kms.),	41,700 sq km.(Source- http://www.orissaa.com/orissa_rivers.html#Indravati)
1.5	Population (in Millions); Name of population centers/ Cites (duely marked on the map: refer 1.2) having Population	Population (2001): 11,91,460 (Source- http://www.orissawater.com/BasinMaps/IndexofBasins.htm)
	(a) More than 0.5 Million - 1 Million	
	(b) More than 1 Million – 10 Million	D N A
	(c) More than 10 Million	D N A
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);	Orissa:7,400, Andhra Pradesh:34,300. Districtwise Area: Koraput:2310, Kalahandi:737 Rauagada:1043, Nawrangpur:3310 (Source- http://www.orissawater.com/BasinMaps/IndexofBasins.htm)
2	Hydrological and Land use Features:	
2.1	Average annual rainfall (in mm);	Max:4427.6 mm, Min:562.3 mm (Source- http://www.orissawater.com/BasinMaps/IndexofBasins.htm)
2.2	Maximum-minimum temperatures in Degree Centigrade	34.1oC- 13.2 oC (Source- http://www.cesorissa.org/agriculture.asp)
2.3	Average annual yield (discharge) of water in Cubic Meter and the average yield for last past five years	6265mcm (source- http://ospboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf)
2.4	Major tributaries	Kapur,Muran,Telengiri,Joura,Turi,Bhaskel (Source- http://www.orissawater.com/BasinMaps/IndexofBasins.htm)
2.5	Percentage shares of major water uses & Surface and groundwater abstraction in percentages-Convert intoTable	6265 mcum (Source- http://www.orissawater.com/SWFs/WaterResources.htm)
	(a.) Agriculture,	
	(b.) Industries,	21.00 mm3 (source- http://ospboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf)
	(c). Domestic (and urban)	
	(d). environmental flows.	
2.6	Major cropping pattern	
2.7	Cultivable area under irrigation	
2.8	Cultivable area not under irrigation	

2.9	State other Water Uses- eg. Navigation, power, recreation etc.	Upper Indravati Power Station 807megawatts (source- http://www.ohpcltd.com/indravati/index.htm)
3	Ecosystem Features	
3.1	Agro-climatic zones	Hot & moist sub-humid zone(Source- http://www.cesorissa.org/agriculture.asp)
3.2	Major sub ecosystems (zoogeographical zones)	Western Undulating Zone (Source- http://www.cesorissa.org/agriculture.asp)
3.3	Major soil types	Red, Mixed Red & Black and Black (Source- http://www.cesorissa.org/agriculture.asp)
3.4	National parks/sanctuaries, lakes, wetlands, etc.	INDRAVATI TIGER RESERVE(source- http://envfor.nic.in/pt/status93/indra.html)
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	
4.3	Sources of Pollution, with data indicating quantum and/or severity.	
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)	4921.89per capita m3 (source- http://ospcboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf)

	b. Per hectare water availability (in Cubic meters for cultivable command area):	2439
	c. Availability of environmental flows (Current reserve, if any):	
	d. Availability of surface water/ Average annual ground water abstraction/recharge.	4921.89mcm(source- http://ospboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf)
5.2	Structures: a. Major dams/barrages (with utilization categories):	Upper Indravati Project for power generation and irrigation (Source- http://www.ohpltd.com/indravati/index.htm)
	b. Proposed dams:	
	c. Live storage of major dams:	148550.00 Ham Indravati reservoir (source- http://www.orissawater.com/FLOOD/ALLReservoirs.htm)
	d. Live storage through proposed dams:	
	e. Inter basin transfer systems:	transbasin diversion of water of river Indravati (Godavari basin) to river Hati (Mahanadi basin). (source- http://www.ohpltd.com/indravati/index.htm)
	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 projects: b. Private agencies/ CSOs involved in infrastructure development	
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	The Godavari Water Dispute Tribunal

	resources	
7	Key Issues:	
8	Enabling instruments- Law/ Policy/ Economic & Financial Measures for introducing IWRM in the basin	

SCHEDULE B
ASSESSMENT OF RIVER BASINS ORGANIZATIONS (RBOs) IN SOUTH ASIA

NIL

SCHEDULE C
ASSESSMENT OF RIVER BASINS ORGANISATIONS (RBOs) IN SOUTH ASIA

NIL