

RIVER BASIN

KOLAB

[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);	Kolab
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)	Sinkaran Hills of the Eastern Ghat in Koraput districts(Source- http://www.orissawater.com/BasinMaps/IndexofBasins.htm)
1.4	Area (in Sq. Kms.),	20,427 Sqkm (Source- http://www.orissawater.com/BasinMaps/IndexofBasins.htm)
1.5	Population (in Millions); Name of population centers/ Cites (duely marked on the map: refer 1.2) having Population -	Population (2001): 11,08,684 Density: 107 / Sqkm(Source- http://www.orissawater.com/BasinMaps/IndexofBasins.htm)
	(a) More than 0.5 Million - 1 Million	
	(b) More than 1 Million – 10 Million	not avilable
	(c) More than 10 Million	not avilable
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:10,300, Andhra Pradesh:10,127, Districtwise Area: Koraput:4509, Malkangiri:5791(Source- http://www.orissawater.com/BasinMaps/IndexofBasins.htm)
2	Hydrological and Land use Features:	
2.1	Average annual rainfall (in mm);	1522 mm (source- http://www.cesorissa.org/agriculture.asp)
2.2	Maximum-minimum temperatures in Degree Centigrade	Max:3092 mm, Min:352 mm(Source- http://www.orissawater.com/BasinMaps/IndexofBasins.htm)
2.3	Average annual yield (discharge) of water in Cubic Meter and the average yield for last past five years	11089mcm(source- http://ospboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf)
2.4	Major tributaries	Karandi N.,Potteru R.,Sileru R.,Machhkund R.(Source- http://www.orissawater.com/BasinMaps/IndexofBasins.htm)
2.5	Percentage shares of major water uses & Surface and groundwater abstraction in percentages-Convert into Table	18000 unit million mcm (source- http://ospboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf)(orissa state)
	(a.) Agriculture,	
	(b.) Industries,	22.40 million m3 (source- http://ospboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf)
	(c). Domestic (and urban)	798 unit million mcm (source- http://ospboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf) (orissa state)
	(d). environmental flows.	21000unit million mcm (source- http://ospboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf)(orissa state)
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.	100unit million mcm (source- http://ospboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf)
3	Ecosystem Features	
3.1	Agro-climatic zones	zoneVI- Eastern Ghat High Land and Zone VII-South Eastern Ghat (source- http://www.cesorissa.org/agriculture.asp)
3.2	Major sub ecosystems (zoogeographical zones)	I
3.3	Major soil types	Red, Mixed Red & Black, Mixed Red & Yellow (source- http://www.cesorissa.org/agriculture.asp)
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.	
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:	8174.97m3 (source- http://ospcboard.org/CHAPTER-I-XI/CHAPTER-V-WATER%20RESOURCES.pdf)
	a. Per capita water availability (in lpcd)	
	b. Per hectare water availability (in Cubic meters for cultivable command area):	47.715C.C.A. (Th.ha) (Source- http://www.orissawater.com/CADA/CADAMain.htm)
	c. Availability of environmental flows (Current reserve, if any):	
	d. Availability of ground water/ Average annual ground water abstraction/recharge.	
5.2	Structures:	72295.0 Ham Upper Kolab (source- http://www.orissawater.com/FLOOD/ReservoirStatusMajor.htm)
	a. Major dams/barrages (with utilization categories):	
	b. Proposed dams:	
	c. Live storage of major dams:	93500.00 Ham (source- http://www.orissawater.com/FLOOD/ALLReservoirs.htm)
	d. Live storage through proposed dams:	
	e. Inter basin transfer systems:	Upper Kolab Power Station and Balimela Power Station (source- http://www.cesorissa.org/energy.asp)
	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	The Godavari Water Dispute Tribunal.

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

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

nil

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

nil