

**RIVER BASIN**  
**MAI KHOLA**  
**[ NEPAL ]**

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

Sr. No.	Details	Response
<b>1</b>	<b>Physical Features - General Information</b>	
1.1	Name of River basin (also indicate regional names);	Mai Khola
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	Nepal (middle mountains, siwalik)
1.4	Area (in Sq. Kms.),	1703
1.5	Population (in Millions); Name of population centers/ Cites having Population -	2.3
	(a) More than 0.5 Million - 1 Million	
	(b) More than 1 Million – 10 Million	--
	(c) More than 10 Million	--
1.6	Approximate areas of upper regime, middle regime and lower regime;	NA
1.7	Country and States (Province) in which the basin lies (indicate % area covered);	Nepal (100%)

<b>2</b>	<b>Hydrological and Land use Features:</b>	
2.1	Average annual rainfall (in mm); (Support with distribution pattern on Relief Map of RB {at 1.2} - indicating regions receiving high, medium or low rains);	3000
2.2	Maximum-minimum temperatures in Degree Centigrade	max: 30, min: 4
2.3	Average annual yield (discharge) of water in Cubic Meter and the average yield for last past five years	0.68 billion m <sup>3</sup>
2.4	Major tributaries	Mawa khola, Ratuwa khola, Chaju khola, Kamal khola
2.5	Percentage shares of major water uses & Surface and groundwater abstraction in percentages-Convert intoTable (a.) Agriculture,	NA
	(b.) Industries,	NA
	(c). Domestic,	NA
	(d). urban,	NA
	e). environmental flows.	NA
2.6	Major cropping pattern	Rice, maize, fruits, cash crops (tea, ginger, onion, cardamom), sugarcane
2.7	Cultivated area, km <sup>2</sup>	450

2.8	Non-Cultivated area, km <sup>2</sup>	230
2.9	State other Water Uses- eg. Navigation, power, recreation etc.	Power generation, fisheries and irrigation.
<b>3</b>	<b>Ecosystem Features</b>	
3.1	Agro-climatic zones	Tropical to sub-tropical monsoon climate, temperate, Alpine and humid
3.2	Major sub ecosystems (zoogeographical zones)	Major ecological regions with good habitat for leopard, elephant, different species of bird, snakes and tortoise.
3.3	Major soil types	Mostly alluvial but in foothills it is mixed with boulders and cobbles. In some parts residual soil, alluvial deposit.
3.4	National parks/sanctuaries, lakes, wetlands, etc.	None
3.5	Brief information about the delta region of the basin (area, location, major urban centers in the delta, etc.)	Major urban center--Ilam Bazaar
<b>4</b>	<b>Water Quality</b>	
4.1	Prevailing water quality standards (e.g. Class I, II, III.etc, indicating permitted uses)	NA
4.2	Stretches (along the River) in Kms. with water quality classes marked on map	150
4.3	Sources of Pollution, with data indicating quantum and/or severity.	NA

4.4	Prevailing abatement techniques e.g: ETP, STP, legislation, etc.	NA
<b>5</b>	<b>Current status of the resource development &amp; potential for development</b>	
5.1	Water availability:	810
	a. Per capita water availability (in lpcd )	
	b. Per hectare water availability (in Cubic meters for cultivable command area):	4000
	c. Availability of environmental flows (Current reserve, if any):	NA
	d. Availability of ground water/ Average annual ground water abstraction/recharge.	NA
5.2	Structures:	NA
	a. Major dams/barrages (with utilization categories):	
	b. Proposed dams:	NA
	c. Live storage of major dams:	NA
	d. Live storage through proposed dams:	NA
	e. Inter basin transfer systems:	None
5.3	Command area of major dams	NA

5.4	<p>Agencies functioning in the basins:</p> <p>a. Public agencies / CSOs which construct/ implement the infrastructures projects:</p> <p>b. Private agencies / CSOs involved in infrastructure development</p>	<p>Forest department, watershed management department, national park and wildlife conservation department, irrigation, drinking water.</p>
6	<p>Existence of National / State / Provincial Laws or Notifications relating to water- Management / use / development / opportunity for private sector participation or for privatisations of water resources</p>	<p>NA</p>
7	<p>Key Issues:</p> <p>Critical issues in water resources development and management in the basin- that constrain economic and social development</p>	<p>Mass movement, soil erosion, debris flow, bishyari, floods, bank cutting, water scarcity during winter.</p>
8	<p>Enabling instruments- Law/ Policy/ Economic &amp; Financial Measures for introducing IWRM in the basin</p>	<p>Wildlife law, forest law, watershed law, water resource strategy.</p>

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

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