

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 used in different countries, states along its course);	Wainganga, Pranahita.
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. Please indicate on relief and Index Map)	After the Wainganga reaches Maharashtra it is subdivided in two parts. From the right bank at Asolamendha dam and till the Kathani river meets Wainganga
1.4	Area (in Sq. Kms.),	14861sqkm It includes (a) wainganga--Pranhita 8830sqkm (b) Ichampalli region 314sqkm and (c) Indravati region 5717sqkm.(source-Maharashtra Water and irrigation Report April 1999)
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	Godchiroli -----, Chandrapur-----
	(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);	Maharashtra.
2	Hydrological and Land use Features:	
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);	1326mm(source-Maharashtra Water and irrigation Report April 1999)
2.2	Maximum-minimum temperatures in Degree Centigrade	48oC-8oC (source-ibid)
2.3	Average annual yield (discharge) of water in Cubic Meter and the average yield for last past five years	10316mcm
2.4	Major tributaries	Pohar, Indravati and Nibra
2.5	Percentage shares of major water uses & Surface and groundwater abstraction in percentages-	Surface water- 1275mcm, Ground water-441mcm, for Agriculture- 872mcm
	(a.) Agriculture,	
	(b.) Industries,	3 mcm
	(c). Domestic (and urban)	45 mcm (2mcm urban)
	(d). environmental flows.	D N A

2.6	Major cropping pattern	Rice and Jowar
2.7	Cultivable area under irrigation	484ha
2.8	Cultivable area not under irrigation	70 ha
2.9	State other Water Uses- eg. Navigation, power, recreation etc.	Proposed Hydro Electricity Projects with 2586megawatts
3	Ecosystem Features	
3.1	Agro-climatic zones	High rainfall zone
3.2	Major sub ecosystems (zoogeographical zones)	Hilly subdivided region, Plateua region, Flat lands and aluvial region
3.3	Major soil types	Yellowish soil, mixed red soil, medium black soil, deep black soil and alluvial soil.(source-Maharashtra Water and irrigation Report April 1999)
3.4	National parks/sanctuaries, lakes, wetlands, etc.	Melghat Tiger Reserve
3.5	Brief information about the delta region of the basin (area, location, major urban centers in the delta, etc.)	D N A
4	Water Quality	
4.1	Prevailing water quality standards (e.g. Class I, II, III.etc, indicating permitted uses)	Class II(Source- http://envis.maharashtra.gov.in/notifiedrivers/wainGanga.php)

4.2	Stretches (along the River) in Kms. with water quality classes indicated (may be marked on the map)	From M. P. State Border to confluence with Wardha River ,(Source- http://envis.maharashtra.gov.in/notifiedrivers/wainGanga.php)
4.3	Sources of Pollution, with data indicating quantum and/or severity.	See attachment
4.4	Prevailing abatement techniques e.g: ETP, STP, legislation, etc.	See attachment
5	Current status of the resource development & potential for development	
5.1	Water availability:	D N A
	a. Per capita water availability (in lpcd)	
	b. Per hectare water availability (in Cubic meters for cultivable command area):	D N A
	c. Availability of environmental flows (Current reserve, if any):	D N A
	d. Availability of surface water/ Average annual ground water abstraction/recharge.	Surface water- 1275mcm, Ground water-441mcm
5.2	Structures:	Ichampalli multipurpose project, Nirkanka irrigation project
	a. Major dams/barrages (with utilization categories):	
	b. Proposed dams:	Bhimkunda and Kathani dam
	c. Live storage of major dams:	708.44 mcm
	d. Live storage through proposed dams:	395mcm
	e. Inter basin transfer systems:	D N A

	f. Any Other:	Proposed Hydro Electricity Projects with 2586 megawatts
5.3	Command area of major dams	329 ha
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	Hydro Power Corporation India, Vidarbha Irrigation Development Corporation (VIDC). Godavari Marathwada Irrigation Development Corporation (GMIDC) The Proposal: A quantum of 12,165 M cum is proposed for diversion through the link taking off at Manibhadra reservoir on Mahanadi to Dowlaiswaram Barrage on Godavari. This link will provide enroute irrigation benefits to the tune of 4.43 lakh hectares, of which 0.91 lakh hectares in Andhra Pradesh and 3.52 lakh hectares in Orissa. In this process it will utilize 3,790 Mcum of water. A provision of 802 Mcum is made for domestic and industrial water requirement enroute. The total length of the link canal is about 828 km including 6.15 km. of length through a tunnel. The total transmission loss of the link canal is worked out to be 1073 M cum and proposes to transfer the remaining 6,500 M cum of water to Godavari river for taking care of the water demands of further South. There is also a provision to generate 445 MW of hydropower at Manibhadra dam in this link canal propos
6	Existence of National/State/Provincial Laws or Notifications relating to water- Management / use/development/opportunity for private sector	Godavari Tribunal Award, Maharashtra Water Resource Regulatory Authority.

	participation or for privatization of water resources	
7	Key Issues: Critical issues in water resources development and management in the basin- that constrain economic and social development. (e.g. Water Rights, Need for Negotiations, Levels of participation, disaster management, Equity, Water sharing, Allocations, Conflicts, etc). Kindly provide copies or abstracts	D N A
8	Enabling instruments- Law/ Policy/ Economic & Financial Measures for introducing IWRM in the basin	Godavari Tribunal Award, Maharashtra Water Resource Regulatory Authority.

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

NIL

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

NIL