

Chapter – 3 Interstate Aspects

3.1 Distribution of catchment area among the states

All the rivers, i.e. the Par, the Nar (a tributary of the Par), the Tan (a tributary of the Auranga), the Ambica and the Purna proposed to be tapped and surplus water diverted to Narmada Canal System through the Par-Tapi-Narmada Link are inter-state rivers. All these west flowing rivers, originate in the state of Maharashtra and after flowing through the states of Maharashtra and Gujarat outfall into Arabian Sea. State wise breakup of the catchment areas in respect of different river basins are given in Table - 3.1.

**Table - 3.1
State wise catchment area of basins**

Sl. No.	Name of the River/Basin	Catchment area in Sq km		
		Maharashtra	Gujarat	Total
1.	Par basin (as a whole)	773	891	1,664
a)	Par basin upto Jheri dam site	425	--	425
b)	Par basin below Jheri upto Mohankavchali dam site	79	127	206
c)	Nar river (tributary of Par river) upto Paikhed dam site	269	46	315
2.	Auranga basin (as a whole)	150	637	787
a)	Tan river (tributary of Auranga river) upto Chasmandva dam site	62	27	89
3.	Ambica basin (as a whole)	102	2,728	2,830
a)	Ambica basin upto Chikkar dam site	102	221	323
b)	Kapri river (tributary of Ambica river) upto Dabdar dam site	--	482	482
4.	Purna basin (as a whole)	58	2,377	2,435
a)	Purna basin upto Kelwan dam site	--	733	733

It is observed from the table that out of total catchment area of 7716 sq km of Par, Auranga, Ambica and Purna basins, only 14.04% of the area, i.e. 1,083 sq km lie in the state of Maharashtra whereas remaining 85.96% of the area lie in the state of Gujarat. Similarly, out of total catchment area of 2,573 sq km upto diversion points of Par, Auranga, Ambica and Purna basins,

38.67% of the area i.e. 995 sq km lie in the state of Maharashtra whereas remaining 61.33% of the area lie in the state of Gujarat. All the benefits from the project on account of irrigation will go to Gujarat because of topographical conditions. However, the power benefits may be shared by both Maharashtra and Gujarat. As such there will be need for inter-state agreement between Maharashtra and Gujarat for sharing of cost and benefit of the scheme.