

Report on Prioritisation of Subwatersheds of 2A3C Subcatchment (lower Mayurakshi River - FPR) in Lower Ganga Basin, Dumka (Santhal Pargana), Deoghar Districts of Bihar and Birbhum, Murshidabad, Burdwan Districts of West Bengal.

Abstract

1. **Survey Area** - 2A3C1, 2, 3, 6, 7 watersheds (lower Mayurakshi River) in lower Ganga basin of Dumka (Santhal Pargana) and Deoghar Districts of Bihar and Birbhum, Burdwan and Murshidabad Districts of W.B.
2. **Total Area Surveyed and Mapped** - 3,52,816 ha.
3. **Location** - 23° - 38' to 24° - 15' North Latitude
86° - 55' to 88° - 14' East Longitude.
4. **Agro - climatic Region** - 7,3 (Eastern Plateau and Hills and lower Gangetic Plain).
5. **Kind of Survey** - Priority Delineation Survey.
6. **Period of Survey** - April 1994 to June 1994.
7. **Base Material Used** - Survey of India Topographical Maps (1:50,000).

8. Priority Categories

Sl. No.	Priority Categories	Average Run-off Potential	No. of Sub-watersheds	Area (ha)	Percentage
1.	Very high	65 and above	12	39960	11.3
2.	High	60 – 64	16	64961	18.4
3.	Medium	55 – 59	17	70934	20.1
4.	Low	Below 55	45	176961	50.2
		Total	90	3,52,816	100

9. Abstract of Watershedwise Distribution of Priority Areas

Sl. No.	Priority Categories & Range	Area of Watershed (ha)					Total Area (ha)	%
		2A3C/1	2A3C/2	2A3C/3	2A3C/6	2A3C/7		
1	Very high 65 & above	-	-	39960	-	-	39960	11.3
2	High 60 – 64	-	-	64961	-	-	64961	18.4
3	Medium 55 – 59	-	5697	20192	15487	29558	70934	20.1
4	Low below 55	30354	37270	1234	63081	45022	176961	50.2
	G. Total	30354	42967	126347	78568	74580	352816	100

10. State and Districtwise Extent of Priority Areas in 2A3C Subcatchment

Sl. No.	Category & Range	W E S T B E N G A L								B I H A R						OVERALL	
		Murshidabad		Burdham		Burdwan		Total		Dumka (Santhal Pargana)		Deoghar		Total		NO OF SW	AREA (HA)
		NO OF SW	AREA (HA)	NO OF SW	AREA (HA)	NO OF SW	AREA (HA)	NO OF SW	AREA (HA)	NO OF SW	AREA (HA)	NO OF SW	AREA (HA)	NO OF SW	AREA (HA)		
1.	VERY HIGH >65	-	-	3	3232			3	3232	13	38513	-	-	13	38513	12	39960
2.	HIGH 60 - 64	-	-	2	9363			2	9363	17	50708	1	155	18	50863	16	64961
3.	MEDIUM 55 - 59	-	-	16	62077			16	62077	4	7876	4	9094	8	16970	17	70934
4.	LOW <55	15	50047	34	115801	5	4916	54	170764	3	1034	-	-	3	1034	45	176961
5.	Total		50047	55	190473	5	4916	75	245436	37	98131	5	9249	42	107380	90	352816
	%		14.2		54.0		1.4		69.6		27.8		2.6		30.4		100.0