

REPORT ON PRIORITISATION OF SUB-WATERSHEDS IN 2A3A
SUB-CATCHMENT (FPR) OF LOWER GANGA BASIN; BURDWAN, HOOGHLY,
HOWRAH AND NADIA DISTRICTS
OF WEST BENGAL.

ABSTRACT

1. Survey area:- 2A3A Sub-Catchment of Lower Ganga Basin in Burdwan, Howrah, Hooghly and Nadia districts, West Bengal.
2. Total area surveyed and mapped :- 5,85,514 ha.
3. Location:- 22° 16' to 23° 39' N latitude and 87° 31' to 88° 31' E longitude.
4. Agroclimatic Zones:- Lower Gangetic plain (zone no.3) as per National Planning Commission's Classification.
5. Kind of Survey:- Rapid Reconnaissance Survey.
6. Period of Survey:- April 1995 to June 1995
7. Base materials Used:- Survey of India topographical maps (1:50,000 scale.)
8. Extent of areas under different run off potential mapping units.

Sl.No.	Mapping Unit	Area in ha.	Percentage
1.	A1	23	0.005
2.	A2	6494	1.11
3.	A3	70430	12.03
4.	A4	25392	4.34
5.	A5	314013	53.63
6.	A6	34724	5.93
7.	A7	281	0.05
8.	A8	30	0.005
9.	A9	13020	2.22
10.	A10	13009	2.22
11.	A11	2371	0.4
12.	A12	12648	2.16
13.	A13	5042	0.86
14.	Habitation	77290	13.20
15.	River	10010	1.71
16.	Canal	370	0.06
17.	Reservoir	367	0.06
Total:		5,85,514	100

9. Priority Categories.

Sl.No.	Priority Categories	Average runoff potential	No. of watershed	Area in ha.	Percentage
1.	Medium	58 and above	3	13,276	2.3
2.	Low & Very Low	Below 58	133	5,72,238	97.7
				5,85,514	100

10. Abstract of watershed wise distribution of priority areas.

Sl.No.	Priority Categories	Area of watershed in ha.					Total area in ha.	Percentage
		2A3A1	2A3A2	2A3A3	2A3A4	2A3A5		
1.	Medium	-	13276	-	-	-	13276	2.3
2.	Low to Very Low	134828	135636	174682	93687	33405	572238	97.7
		134828	148912	174682	93687	33405	585514	100

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11. District wise extent of priority area in 2A3A Sub-Catchment.

Priority Category	Burdwan Sub-Watershed			Hooghly Sub-Watershed			Howrah Sub-Watershed			Nadia Sub-Watershed			Total	Percent
	Area in ha.	Full Part	ha.	Area in ha.	Full Part	ha.	Area in ha.	Full Part	ha.	Area in ha.	Full Part	ha.		
Medium	-	-	-	16798	1	3	-	-	-	-	-	-	16798	2.9
Low and Very Low	323792	64	16	175077	33	16	65620	14	7	4227	-	5	568716	97.1
	323792			191875			65620			4227			585415	100