

REPORT ON PRIORITISATION OF SUB-WATERSHEDS OF 2A4 CATCHMENT
(PART) IN LOWER GANGA BASIN, DISTRICT:-BHAGALPUR, MUNGER AND SANTAL
PARGANAS OF BIHAR.

1. Survey Area:- 2A4 Catchment (Part) of lower Ganga basin in Bhagalpur, Munger and Santal parganas districts of Bihar.
2. Total area Surveyed and mapped:- 5,08,690 ha
3. Location :- 24 15 to 25 31 N Latitude
86 15 to 87 15 E Longitude
4. Agroclimatic:- 4 and 7 (Middle Gangetic plain and Eastern plateau and plain as per National planning commission's classification)
Zones
5. Kind of Survey:- Rapid Reconnaissance Survey.
6. Period of Survey:- December 1993 to March 1994
7. Base material used:- Survey of India topographic maps (1:63,360 and 1:50,000)

8. Extent of areas under different runoff potential mapping units:

[Sl.No.]	Mapping unit	Area in ha	Percentage
1.	A1	34944	6.9
2.	A2	22787	4.5
3.	A4	55920	11.0
4.	A5	108051	21.2
5.	A6	23218	4.6
6.	GN1	5921	1.2
7.	GN2	28599	5.6
8.	GN3	61429	12.1
9.	GN4	32419	6.4
10.	GN5	3167	0.6
11.	GN6	4578	0.9
12.	GN7	19591	3.6
13.	GN8	8690	1.7
14.	GN9	10217	2.0
15.	GN10	14254	2.8

(ii)

Sl.No.	Mapping unit	Area in ha	Percentage
18.	GN13	11163	2.2
19.	GN14	17087	3.4
20.	GN15	4966	1.0
21.	GN16	3593	0.7
	Total	484891	95.3
	Misc	23799	4.7
	Grand total	508690	100.0

9. Priority Categories:

Sl.No.	Priority Categories	Average run off potential	No. of Sub-Water sheds	Area in ha	Percentage
1.	Very High	65 & above	62	225240	44.3
2.	High	60 to 64	15	55511	10.9
3.	Medium	55 to 59	34	161500	31.7
4.	Low	50 to 54	5	22221	4.4
5.	Very low	<50	8	44218	8.7
	Total:-		124	5,08,690	100.0

10. Abstract of watershedwise distribution of priority areas.

Sl.No.	Priority Categories	Name of Watersheds						Total area	(%)
		2A4A/1	2A4A/2	2A4A/3	2A4A/4	2A4A/5	2A4A/6		
1.	Very high	--	47541	48748	63821	46961	18159	225240	44.3
2.	High	--	16984	5737	5620	18542	8628	55511	10.9
3.	Medium	49858	5305	--	76372	26550	3415	161500	31.7
4.	Low	16893	--	--	5328	--	--	22221	4.4
5.	Very low	6498	2270	--	2048	7488	25914	44218	8.7
	Grant Total	73249	72100	54495	153189	99541	56116	508690	100

(iii)

11. Districtwise Extent of Priority area in 2A4 Sub-Catchment

Sl.No.	Priority Category	Bhagalpur		Munger		Santhal Parganas		Grand Total	(%)
		Area in ha. (%)	No. of Sub- watersheds Full part.	Area in ha (%)	No. of Sub- Watersheds Full part	Area in ha (%)	No. of Sub- Watersheds Full part		
1.	Very high	1,25,362 (24.6)	26 17	74206 (14.6)	16 8	29,294 (5.8)	4 9	228862	45.0
2.	High	27,842 (5.5)	9 3	23069 (4.5)	3 2	--	--	50911	10.0
3.	Medium	1,34,264 (26.4)	26 3	27479 (5.4)	4 5	--	--	161743	31.8
4.	Low	23044 (4.5)	5 1	--	--	--	--	23044	4.5
5.	Very low	9476 (1.9)	2 1	34654 (6.8)	4 2	--	--	44130	8.7
Grand total		3,19,988 (62.9)	68 25	159408 (31.3)	27 17	29294 (5.8)	4 9	508690	100