

REPORT ON PRIORITIZATION OF SUB-WATERSHEDS OF 2A4B
SUB-CATCHMENT IN LOWER GANGA BASIN,
BEGUSARAI, GIRIDIH, HAZARIBAGH, MUNGER,
NALANDA, NAWADAH AND PATNA DISTRICTS
OF BIHAR

1. Survey area : -2A4B Sub-Catchment of Lower Ganga Basin in munger, Begusarai, Giridi Nalanda, Nawadah and Patna Distr of Bihar.
2. Total Area Surveyed :- 550417 ha and Mapped
3. Location : -24° 30' to 25° 45' N Latitude 85° 38' 86° 30' E Longitude
4. Agroclimatic zones : -Zone 4 & 7 (Middle Gangatic plain Eastern Plateau & Plain as per National planning Commission Classification.
5. Kind of Survey : -Rapid Reconnaissance Survey
6. Period of Survey : -December, 1993 to March, 1994
7. Base materials used : -Survey of India topographical maps (1:50,000)

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

Sl.No.	Mapping unit	Area in ha	Percentage
1.	A1	5,646	1.0
2.	A2	4,792	0.8
3.	A3	10,270	1.9
4.	A4	39,506	7.2
5.	A5	1,68,488	30.6
6.	A6	74,615	13.5
7.	GN1	9,299	1.6
8.	GN2	11,022	2.0
9.	GN3	40,209	7.3
10.	GN4	5,949	1.1
11.	GN5	41,529	7.5
12.	GN6	1,580	0.3
13.	GN7	30,906	5.6

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Sl.No.	Mapping unit	Area in ha	Percentage
14.	GN8	77	0.01
15.	GN9	187	0.03
16.	GN10	2,713	0.51
17.	GN11	712	0.13
18.	GN12	6,617	1.22
19.	GN13	43,100	7.8
20.	GN14	32,300	5.9
21.	GN15	2,173	0.4
22.	GN16	2,483	0.4
23.	Misc	16,244	3.0
	Total	5,50,417	100

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9. Priority Categories

Sl.No.	Priority Categories	Average run-off potential	No. of Watersheds	Area in ha	Percentages
1.	Very high	78 and above	14	48404	8.8
2.	High	68-77	39	158515	28.8
3.	Medium	58-67	62	264988	48.1
4.	Low	Below 58	17	78510	14.3
Total			132	550417	100

10. Abstract of watershed wise distribution of priority a

Sl.No.	Priority Categories	Area of watershed in ha					Total area in ha	Percentage
		2A4B/1	2A4B/2	2A4B/3	2A4B/4	2A4B/5		
1.	Very High	4773	14581	22575	--	6475	48404	8.8
2.	High	14572	43282	80223	--	20438	158515	28.8
3.	Medium	68083	33282	33980	70867	58776	264988	48.1
4.	Low	--	--	--	12475	66035	78510	14.3
Total		87428	91145	136778	83342	151724	550417	100

Districtwise Extent of Priority area in 2948 Sub-Catchment

Priority Category	Munger		Begunsarai		Giridih		Naiandah		Nawadah		Patna		Hazaribagh		Grand Total	(%)
	Area in shed. ha.	Sub-Water Full Part	Area in shed. ha.	Sub-Water Full Part	Area in shed. ha.	Sub-Water Full Part	Area in shed. ha.	Sub-Water Full Part	Area in shed. ha.	Sub-Water Full Part	Area in shed. ha.	Sub-Water Full Part	Area in shed. ha.	Sub-Water Full Part		
Very High	40541	11 2	-----	9405	1 4	-----	2347	1 --	-----	573	-- 1	52866	9.6			
High	111613	20 11	-----	23694	3 8	-----	14418	2 4	-----	-- -- --	149725	27.2				
Medium	210886	43 14	9960 -- 2	-----	8044	1 2	24468	3 7	11069	--- 4	-----	264427	48.0			
Low	67638	14 2	-----	-----	4592	1 --	11169	2 3	-----	-----	83399	15.2				
	430678		9960	33099	12636		52402		11069		573	550417	100			