

**REPORT ON PRIORITIZATION OF MICROWATERSHEDS IN 4E2B (KOTRI RIVER)
SUB- CATCHMENT OF 4E2 (INDRAVATI) R.V.P. CATCHMENT IN BASTAR, DURG,
KANKER AND RAJNANDGAON DISTRICTS OF CHHATTISGARH STATE AND
GHARHCHIROLI DISTRICT OF MAHARASHTRA STATE.**

ABSTRACT

1. Survey Area : 4E2B Sub-Catchment
: Watersheds: 4E2B 1-7
2. Location : 19° 14' to 20° 40' 30" N Latitude
80° 14' to 81° 23' 30" E Longitude
3. Total area : 6,80,930 ha.
4. Agro-climatic Zone : VII (Eastern Plateau & Hill Region)
5. Period of Survey : April,2001 to May,2001 and Dec.2001 to March,2002
6. Type of Survey : Rapid Reconnaissance
7. Base map used : Survey of India Topographical map (1 : 50,000).

8. Extent of Area under Different Mapping Units in 4E2B Sub-catchment

Sl.No.	Mapping unit	Area (ha.)	Percentage
1.	S1	3648	0.54
2.	S2	72149	10.59
3.	S3	96677	14.20
4.	S4	506	0.07
5.	S5	120094	17.64
6.	S6	72366	10.63
7.	S7	70218	10.31
8.	S8	195359	28.69
9.	S9	37334	5.48
Total		668351	98.15
Miscellaneous		12579	1.85
G. Total		680930	100%

9. District wise extent of Area (ha.) under Different Mapping Unit in 4E2B Sub catchment

Sl. No.	Mapping unit	Chhattisgarh				Maharastra	Total	%
		Bastar	Durg	Kanker	Rajnandgaon	Garhchiroli		
1.	S1	2292	-	1153	63	140	3648	0.54
2.	S2	21852	112	28918	9468	11799	72149	10.59
3.	S3	34294	434	42046	10575	9328	96677	14.20
4.	S4	210	-	194	16	86	506	0.07
5.	S5	25487	196	65869	18346	10196	120094	17.64
6.	S6	6534	51	48532	16108	1141	72366	10.63
7.	S7	2664	-	37967	26624	2963	70218	10.31
8.	S8	40015	40	97727	29993	27584	195359	28.69
9.	S9	3603	-	20634	9791	3306	37334	5.48
Miscellaneous		2463	-	5447	1891	2778	12579	1.85
Total (%)		139414 (20.47)	833 (0.12)	348487 (51.18)	122875 (18.05)	69321 (10.18)	680930	100

10. Priority categories of Survey Area

Sl.No.	Priority Category	No. of M.W.	Area(ha.)	Percentage
1.	Very High (1100 & above)	41	23978	3.52
2.	High (1000 – 1099)	100	63191	9.28
3.	Medium (900- 999)	176	114391	16.80
4.	Low (800-899)	267	175876	25.83
5.	Very low (Below 800)	437	303494	44.57
Total		1021	680930	100%

11. Watershedwise Distribution of Priority Area in 4E2B Sub Catchment

Sl. No.	Priority Grading	4E2B-1	4E2B-2	4E2B-3	4E2B-4	4E2B-5	4E2B-6	4E2B-7	Total Area (ha.) & %
1.	Very High	Nil	4298	1568	6763	1665	8202	1482	23978 (3.52)
2.	High	Nil	7354	6943	28851	2994	8453	8596	63191 (9.28)
3.	Medium	6509	11727	17889	31731	8431	19365	18739	114391 (16.80)
4.	Low	25388	20620	29391	17315	27821	18789	36552	175876 (25.83)
5.	Very Low	46868	76446	54004	13803	64310	15903	32160	303494 (44.57)
Total		78765	120445	109795	98463	105221	70712	97529	680930 100%

12. State and Districtwise Extent of Priority Area in 4E2B Sub Catchment

Sl. No.	Priority Grading	Chhattisgarh								
		Bastar			Durg			Kanker		
		No. of M.W.		Area ha..	No. of M.W.		Area ha.	No. of M.W.		Area (ha.)
		Full	Part		Full	Part		Full	Part	
1.	Very High 1100 & above	1	-	874 (0.13)	-	-	-	37	-	21219 (3.12)
2.	High 1000- 1099	12	2	9446 (1.39)	-	1	127 (0.02)	64	4	44186 (6.48)
3.	Medium 900-999	22	17	20560 (3.02)	-	-	-	75	22	63531 (9.33)
4.	Low 800-899	21	12	21682 (3.18)	-	2	151 (0.02)	114	18	77801 (11.43)
5.	Very Low Below 800	111	35	86852 (12.75)	10	2	555 (0.08)	39	12	141750 (20.81)
Total Percentage		167	66	139414 (20.47)	10	5	833 (0.12)	329	56	34487 (51.18)

Sl. No.	Priority Grading	Chhattisgarh			Maharastra			Total Area. (ha.)	Chhattisgarh	Maharastra
		Rajnandgaon			Garhchiroli					
		No. of M.W.		Area (ha.)	No. of M.W.		Area (ha.)			
		Full	Part		Full	Part				
1.	Very High 1100 & above	3	-	1885	-	-	-	23978 (3.50)	23978 ¹⁰⁰ (3.52)	Nil
2.	High 1000- 1099	13	3	8681	1	-	751	63191 (9.28)	62440 ⁹⁸ (9.17)	751 (0.11)
3.	Medium 900-999	31	7	23386	12	1	6914	114391 (16.80)	107477 (15.78)	6914 (1.02)
4.	Low 800-899	63	15	46176	42	8	30066	175876 (25.83)	145810 (21.41)	30066 (4.42)
5.	Very Low Below 800	171	43	42747	61	19	31590	303494 (44.57)	271904 (39.93)	31590 (4.64)
Total Percentage		281	68	122875 (18.05)	116	28	69321 (10.18)	680930 (100)		

(Figure in parenthesis indicate percent of total area).