

(i)

REPORT ON PRIORITISATION OF SUB-WATERSHEDS
IN INDRAVATI R.V.P CATCHMENT (PART OF 4E2
CATCHMENT), DIST. KALAHANDI AND KORAPUT, ORISSA

ABSTRACT

1. Survey area: Indravati catchment (part of 4E2 catchment) of Kalahandi and Koraput district, Orissa.
2. Location: 82°8' to 83°9' E Longitude.
18°1' to 19°40' N Latitude.
3. Agroclimatic Zone: Eastern plateau & Hills (Zone No.7) as per National Planning Commission.
4. Total area: 5,36,209 ha.
5. Period of survey: December, 1995 to March, 1996.
6. Type of survey: Rapid Reconnaissance.
7. Base material: Survey of India's topographic map (1:50,000 scale).

(ii)

8. Mapping units and their area extent.

Erosion intensity mapping units	Area (ha.)	Percent
A	68,553	13.0
C1	6,324	1.3
C2	2,430	0.5
C3	77,006	14.5
C4	1,19,703	22.6
C5	3,580	0.7
C6	9,887	1.8
C7	78,118	14.7
C8	62,328	11.8
C9	50,626	9.5
C10	28,009	5.3
C11	22,700	4.3
Total:	5,29,819	100

(iii)

9. District-wise distribution of mapping units:

Erosion intensity mapping units	District-wise area (ha.)	
	Kalahandi	Koraput
A	-	68553 (13.4)
C1	158 (0.7)	6666 (1.3)
C2	77 (0.4)	2403 (0.5)
C3	5558 (26.3)	71448 (14.0)
C4	5292 (25.0)	114416 (22.5)
C5	1165 (5.5)	2415 (0.5)
C6	-	9387 (2.0)
C7	7228 (34.2)	70890 (14.0)
C8	1144 (5.4)	61184 (12.0)
C9	-	50626 (10.0)
C10	385 (1.8)	27624 (5.4)
C11	155 (0.7)	22545 (4.4)
Total:	21,162 (100)	5,08657 (100)

(Parenthesis represents percentage of whole district)

10. Priority Categorisation.

Priority category	No. of sub-watersheds	Area (ha.)	Percent (%)
Very high	28	91426	17.0
High	54	213915	40.8
Medium	20	77776	14.5
Low	39	128383	24.0
Very low	4	13319	2.5
Misc. land		6390	1.2
Grand total:	145	5,36,209	100

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II. DISTRICTWISE DISTRIBUTION OF SUBWATERSHED AREA UNDER
DIFFERENT PRIORITY.

Priority Category (Range of SYF).	KORAPUT		KALAHANDI		Total area	% age
	No. of sub- w. shed.	Area in ha.	No. of sub-w. shed.	Area in ha.		
Very High 1100	27	80,609	10	12,959	93,568	17.5
High 1000-1099	48	1,88,702	11	30,084	21,3786	40.3
Medium 900-999	20	78,472	-	-	78,472	14.6
Low 800-899	39	1,31,428	-	-	131428	24.5
Very Low 800	4	13,955	-	-	13955	2.6
Total	138	4,93,166	21	43,043	5,36,209	100