

Report on detailed Soil Survey and Land Use of Ha3i, j and k subwatersheds of Hirakud R.V.P. Catchment, Distt. Sambalpur, Orissa .

ABSTRACT

1. Survey area : Priority subwatersheds Ha3i, Ha3j and Ha3k of Hirakud R.V.P. catchment, district - Sambalpur, Orissa .
2. Type of Survey : Detailed Soil Survey .
3. Total area Surveyed and mapped :- 9623 Hectare .
4. Period of Survey : January 1993 to March 1993 .
5. Soil Series mapped and their distribution :-
6. No. of Villages surveyed :- 24
7. Agro climatic zone :- VII The Eastern Plateau and Hill Region.

S.No.	Soil Series	No. of units recognised	Subwatershed wise area(hact%)			Total %
			Ha3i	Ha3j	Ha3k	
1	2	3	4	5	6	7
1	Amra(AR)	2	1511 (15.7)	1522 (15.8)	1674 (17.5)	4707 (49.0)
2	Bathantoli(BT)	2	222 (2.3)	91 (1.0)	64 (0.6)	377 (3.9)
3	Dumka(D)	2	81 (0.7)	516 (5.4)	1222 (12.7)	1819 (18.8)
4	Hathiapathar(H)	3	344 (3.7)	102 (1.0)	70 (0.7)	516 (5.4)

1	2	3	4	5	6	7
5	Lachmipur (L)	2	767 (8.0)	263 (2.7)	306 (3.2)	1336 (13.9)
6	Maran (MR)	2	92 (1.0)	23 (0.2)	-	115 (1.2)
7	Pasibali (PB)	2	68 (0.8)	100 (1.0)	79 (0.8)	247 (2.6)
8	Pravasuni (PV)	1	80 (0.8)	35 (0.4)	-	115 (1.2)
9	Sarua (S)	2	135 (1.5)	61 (0.6)	37 (0.3)	233 (2.4)
	Total	18	3300 (34.5)	2743 (28.1)	3452 (35.8)	9465 (98.4)

Misc. area road, Habitation, streams, Pond &

Tank etc.

93 (1.0)	33 (0.3)	32 (0.3)	158 (1.6)
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Grand Total	18	3393 (35.5)	2746 (28.4)	3484 (36.1)	9623 (100.0)
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6. Land capability class, subwatershed wise area in (ha) distribution :

S.No.	Land capability class	Subwatersheds			Total %	Name of soil series
		Ha3i	Ha3j	Ha3k		
1	II	559 (6.0)	198 (2.0)	107 (1.0)	864 (9.0)	Hathiapathar, Pravasuni & Sarua.
2	III	363 (3.9)	230 (2.3)	83 (0.8)	676 (7.0)	Bathantoli, Maran, Pasibali, & Lachampur .
3	IV	786 (8.2)	247 (2.6)	366 (3.8)	1399 (14.6)	Bathantoli, Maran and Pasibali .
4	VI	81 (0.7)	516 (5.4)	1222 (12.7)	1819 (18.8)	Dumka
5	VII	1511 (15.7)	1522 (15.8)	1674 (17.5)	4707 (49.0)	Amra
6	Total	3300 (34.5)	2713 (28.1)	3452 (35.8)	9465 (78.4)	
7	Misc.	93 (1.0)	33 (0.3)	32 (0.3)	158 (1.6)	
8	Grand Total	3393 (35.5)	2746 (28.4)	3484 (36.1)	9623 (100%)	