

ABSTRACT

1. Survey area - Priority subwatersheds Ha7i, Ha7J, Ha7L & Ha7p of Hirakud R.V.F. Catchment, Orissa .
2. Type of Survey - Detailed soil survey
3. Total area surveyed and mapped - 11000 hectares .
4. Period of survey - January to May 1992
5. Soil series mapped and their distribution .

S.No.	Soil Series	No. of unit recognised	Subwatershed wise area				Total/ %
			Ha7i	Ha7j	Ha7L	Ha7p	
1	Bandhpali (BD)	1	37 (0.4)	-	13 (0.1)	15 (0.1)	65 (0.6)
	Barpali (BR)	2	15 (0.1)	-	-	15 (0.1)	30 (0.2)
	Besundhar (BN)	2	-	2 (0.1)	10 (0.1)	24 (0.2)	36 (0.4)
	Charpara (CP)	1	399 (3.6)	66 (0.6)	284 (2.6)	206 (1.9)	952 (8.7)
	Duduka (DD)	1	-	-	-	5 (0.1)	5 (0.1)
6	Dulinga	4	33 (0.3)	458 (4.2)	-	-	491 (4.5)
7	Kathpali (KL)	2	-	75 (0.7)	-	-	75 (0.7)
8	Kiripsara (KI)	2	-	1446 (13.1)	-	-	1446 (13.1)
9	Kongsera (KR)	3	7 (0.1)	8 (0.1)	6 (0.1)	29 (0.2)	50 (0.5)
10	Laikera (LK)	2	330 (3.0)	44 (0.4)	138 (1.3)	203 (1.8)	715 (6.5)

S.No.	Soil Series	No. of unit recognised	Subwatershed wise area (ha/%)				Total/ %
			1	Ha7i	Ha7J	Ha7L	
11	Majhapara(MP)	1	16 (0.1)	7 (0.1)	-	-	23 (0.2)
12	Manoharpur(MH)	2	32 (0.3)	181 (1.6)	-	-	213 (1.9)
13	Nandwa (N)	3	1011 (9.2)	163 (1.5)	1314 (11.9)	1215 (11.0)	3703 (33.6)
14	Nengalkata (NG)	2	145 (1.3)	17 (0.2)	81 (0.7)	47 (0.4)	290 (2.6)
15	Punjipahar(PP)	3	1027 (9.3)	170 (1.6)	556 (5.1)	532 (4.8)	2285 (20.8)
16	Rengari (R)	2	58 (0.5)	5 (0.1)	64 (0.5)	32 (0.3)	159 (1.4)
	Total	33	3110 (28.2)	2642 (24.3)	2463 (22.4)	2323 (20.9)	10538 (95.8)
	Miscellaneous (road, habitation, streams, etc)		110 (1.0)	103 (1.0)	132 (1.2)	117 (1.0)	462 (4.2)
	Grand Total		3220 (29.2)	2745 (25.3)	2595 (23.6)	2440 (21.9)	11000 (100.0)

6 Land Capability Classification :

S.No.	Capability class	Subwatershed wise (ha)				Total
		Ha7i	Ha7J	Ha7I	Ha7p	
1	II	467 (4.2)	237 (2.2)	216 (2.0)	254 (2.3)	1174 (10.7)
2	III	539 (4.9)	121 (1.1)	377 (3.4)	307 (2.7)	1344 (12.1)
3	IV	304 (2.8)	302 (2.8)	184 (1.7)	153 (1.3)	943 (8.6)
4	VI	1248 (11.3)	536 (4.9)	1499 (13.6)	1330 (12.1)	4613 (41.9)
5	VII	552 (5.0)	1446 (13.3)	187 (1.7)	279 (2.5)	2464 (22.5)
	Total	3110 (28.2%)	2542 (24.3%)	2463 (22.4%)	2323 (20.9%)	10538 (95.8%)
	Miscellaneous area	110 (1.0%)	103 (1.0%)	132 (1.2%)	117 (1.0%)	462 (4.2%)
	Grand Total	3220 (29.2%)	2745 (25.3%)	2525 (23.6%)	2440 (21.9%)	11000 (100%)

