

Report on Detailed Soil Survey and Land Use Of Ha6q, Ha6t And Ha6u Sub-Watershed of Hirakud (R.V.P.) Catchment, District Sambalpur And Sundergarh, Orissa.

ABSTRACT

1. Survey area: - Priority Subwatersheds No. Ha6q, Ha6t and Ha6u of Hirakud (R.V.P.) Catchment in P.S. Gurundia and Gobindpur of Distt. Sundergarh and Sambalpur of Orissa.
2. Agro- Climatic Region: - VII-“ Eastern Plateau and Hills (OR-1-North Western Plateau zone)
3. a. Total Surveyed area:- 8139 hectares.
 b. Period of Survey: - ~~April 1998 to June 1998~~
 c. Type of Survey: - Detailed.
 d. Base map: - Cadastral, 16"=1 Mile.
4. Soil Series mapped their distribution and area extent (ha) the surveyed area.

S.No.	Name of Soil series	Symbol	No. of mapping units	Area in ha.	Percentage
1	2	3	4	5	6
1	Amgaon	AG	2	166	2.0
2.	Bendukani	BK	3	422	5.2
3.	Edla	ED	3	1382	17.0
4.	Lalobira	LB	2	334	4.1
5	Sarabmunda	SM	2	5523	67.9
6.	Sukhara	SK	2	166	2.0
Total		6	14	7993	98.2
7.	Miscellaneous area (Habitation, Road, Pond & Water-bodies)			146	1.8
Grand Total				8139	100

SUBWATERSHED WISE DISTRIBUTION OF LAND CAPABILITY CLASSES (Area in ha.)

Land Capability Class	No. of Sub-Watersheds			Total area	Percentage
	Ha6q	Ha6t	Ha6u		
II	237	516	7	760	9.3
III	51	234	100	385	4.7
IV	406	486	185	1077	13.2
VI	134	41	73	248	3.1
VII	2222	1321	1980	5523	67.9
Total	3050	2598	2345	7993	98.2
Miscellaneous	15	115	16	146	1.8
Grand Total	3065	2713	2361	8139	100

Salient features and specific problems.

S.No.	Problems	Area in ha.	Percentage
1.	Total area	8139	100
2.	Miscellaneous area (habitation, Road, Tank, Pond & Water ways)	146	1.8
3.	Forest area	6635	81.5
4.	Cultivated Land	1329	16.3
5.	Good Cultivable land	760	9.3
6.	Moderately good Cultivable land	385	4.7
7.	Fairly good cultivable land	1077	13.2
8.	Shallow Soils	5945	73.1
9.	Moderately deep soils	166	2.0
10.	Deep to very deep soils	1882	23.1
11.	Terraced and bunded land	500	6.1
12.	Area under stones and rocks.	5771	71.0
13.	Area having high water table	500	6.1
14.	Well suited for grazing or forestry (Not arable)	422	5.2
15.	Fairly well suited for grazing or forestry (Not arable)	5523	67.9