

ABSTRACT

- 1 **Survey Area** : Priority Sub-Watersheds Sk3b, Sk3c & Sk3d, Subarnarekha (Non RVP/FPR) Catchment, District, East Singhbhum & Ranchi, Jharkhand.
- 2 **Type of Survey** : Detailed Soil Survey.
- 3 **Total Surveyed Area** : 9, 624 ha
- 4 **Period of Survey** : November- 1998 to April 1999.
- 5 **Soil Series Mapped and their distribution -**

S. No.	Soil Series	No. of Mapping Units	Subwatersheds Area (%)			Area in ha
			Sk3b	Sk3c	Sk3d	Total Area (%)
1.	Amgaon (AG)	2	135 (1.4)	29 (0.3)	111 (1.2)	275 (2.9)
2.	Bargaria (BA)	2	421 (4.4)	-	-	421 (4.4)
3.	Bendukani (BK)	3	244 (2.5)	660 (6.9)	460 (4.8)	1364 (14.2)
4.	Edla (ED)	5	410 (4.3)	299 (3.1)	1634 (16.9)	2343 (24.3)
5.	Lalobira (LB)	2	138 (1.5)	40 (0.4)	658 (6.8)	836 (8.7)
6.	Parkala (PK)	2	227 (2.3)	47 (0.5)	-	274 (2.8)
7.	Sarabmunda (SM)	2	299 (3.1)	2074 (21.5)	797 (8.3)	3170 (32.9)
8.	Teleibani (TB)	2	488 (5.1)	-	-	488 (5.1)
	Total	20	2362 (24.6)	3149 (32.7)	3660 (38.0)	9171 (95.3)
9.	Miscellaneous		165 (1.7)	90 (0.9)	198 (2.1)	453 (4.7)
	Grand Total		2527 (26.3)	3239 (33.6)	3858 (40.1)	9624 (100)

6 Subwatershedwise Distribution Area (in ha) under Different Land Capability Classes

S. No.	Land Capability Classes	Subwatersheds Area			Total Area (ha)
		Sk3b	Sk3c	Sk3d	
1.	Class - II	1040	144	1250	2434
2.	Class - III	349	227	409	985
3.	Class - IV	488	183	874	1545
4.	Class - VI	186	521	330	1037
5.	Class - VII	299	2074	797	3170
	Total	2362	3149	3660	9171
6.	Miscellaneous	165	90	198	453
	Grand Total	2527	3239	3858	9624

7 Salient Features and Specific Problems of the Area

Area in ha

S. No.	Problems	Area	Percentage
1.	Total Area	9,624	100
2.	Miscellaneous Area (Habitation, Road, Tank, River etc)	453	4.7
3.	Area Under Forest	5905	61.4
4.	Area Under Cultivation	3266	33.9
5.	Good Cultivable Land	2434	25.3
6.	Moderately Good Cultivable Land	985	10.2
7.	Fairly Good Cultivable Land	1545	16.1
8.	Shallow Soils	4534	47.1
9.	Deep Soils	274	2.8
10.	Very Deep Soils	4363	45.4
11.	Terraced and Bunded Land	1856	19.3
12.	Area having High Water Table	275	2.9
13.	Area free from Stones & Rocks	4964	51.6
14.	Severely Stony and Rocky Land	4207	43.7
15.	Moderately Eroded Land	1890	19.6
16.	Severely Eroded Land	5425	56.4