

ABSTRACT

1. Survey Area : Priority Sub Watersheds Ha1i, Ha1n, Ha1p, Ha1q, Ha1y, Ha5g, Ha5h, & Ha5i of Hirakud R. V. P. Catchment, Orissa
2. Type of Survey : Detailed Soil Survey
3. Total Surveyed Area : 22252 ha
4. Period of Survey : November 97 to May 98 and November 98 to May 99

5. Soil Series Mapped and their Distribution:

S. No.	Soil Series	No. of Mapping Unit	Sub-Watershed Wise Area in ha (%)								Total (%)
			Ha1i	Ha1n	Ha1p	Ha1q	Ha1y	Ha5g	Ha5h	Ha5i	
1.	Amwatikar (AT)	3	320 (1.4)	233 (1.1)	21 (0.1)	409 (1.8)	245 (1.1)	1193 (5.4)	2344 (10.5)	2685 (12.0)	7450 (33.4)
2.	Chirkunda (CK)	2	15 (0.1)	45 (0.2)	46 (0.2)	60 (0.3)	28 (0.1)	97 (0.4)	161 (0.7)	130 (0.6)	582 (2.6)
3.	Jugrat (JT)	4	49 (0.2)	74 (0.3)	51 (0.2)	152 (0.7)	128 (0.6)	513 (2.3)	606 (2.7)	306 (1.4)	1879 (8.4)
4.	Kanika (KK)	4	-	406 (1.8)	143 (0.6)	192 (0.9)	41.5 (1.9)	50 (0.2)	293 (1.3)	837 (3.8)	2336 (10.5)
5.	Kinamar (KM)	8	1121 (5.0)	1164 (5.2)	286 (1.3)	769 (3.5)	362 (1.6)	86 (0.4)	321 (1.5)	408 (1.8)	4517 (20.3)
6.	Salodeeh (SD)	3	105 (0.5)	492 (2.2)	-	274 (1.2)	301 (1.4)	21 (0.1)	78 (0.4)	66 (0.3)	1337 (6.1)
7.	Victoria (VT)	4	410 (1.9)	333 (1.5)	1035 (4.7)	215 (0.9)	111 (0.5)	433 (2.0)	646 (2.9)	338 (1.5)	3521 (15.9)
	Total	28	2020 (9.1)	2747 (12.3)	1582 (7.1)	2071 (9.3)	1590 (7.2)	2393 (10.8)	4449 (20.0)	4770 (21.4)	21622 (97.2)
8.	Miscellaneous		158 (0.7)	47 (0.2)	61 (0.3)	40 (0.2)	53 (0.2)	92 (0.4)	91 (0.40)	88 (0.4)	630 (2.8)
	Grand Total		2178 (9.8)	2794 (12.5)	1643 (7.4)	2111 (9.5)	1643 (7.4)	2485 (11.2)	4540 (20.4)	4858 (21.8)	22252 (100)

6. Land Capability Classification:

S. No.	Land Capability Classes	No. of Sub-Watersheds Area in ha (%)								Total (%)
		Ha1i	Ha1n	Ha1p	Ha1q	Ha1y	Ha5g	Ha5h	Ha5i	
1.	II	268 (1.2)	616 (2.8)	721 (3.2)	238 (1.1)	174 (0.8)	806 (3.6)	1013 (4.6)	606 (2.7)	4442 (19.9)
2.	III	311 (1.4)	488 (2.2)	554 (2.5)	458 (2.1)	712 (3.2)	308 (1.4)	771 (3.5)	429 (1.9)	4031 (18.1)
3.	IV	-	271 (1.2)	46 (0.2)	130 (0.6)	75 (0.3)	39 (0.2)	139 (0.6)	46 (0.2)	746 (3.4)
4.	VI	1121 (5.0)	1139 (5.1)	240 (1.1)	836 (3.8)	384 (1.7)	47 (0.2)	182 (0.8)	1004 (4.5)	4953 (22.3)
5.	VII	320 (1.4)	233 (1.1)	21 (0.1)	409 (1.8)	245 (1.1)	1193 (5.4)	2344 (10.5)	2685 (12.1)	7450 (33.5)
	Total	2020	2747	1582	2071	1590	2393	4449	4770	21622
6.	Miscellaneous	158 (0.7)	47 (0.2)	61 (0.3)	40 (0.2)	53 (0.2)	92 (0.4)	91 (0.4)	88 (0.4)	630 (2.8)
	Grand Total	2178 (9.8)	2794 (12.6)	1643 (7.4)	2111 (9.5)	1643 (7.4)	2485 (11.2)	4540 (20.4)	4858 (21.8)	22252 (100)

