

# ABSTRACT

. Report of the detailed soil survey & land use of Rc3c, Rc3d, Rc3f, Rf1f, Rf1g & Rf2d subwatersheds of Rengali R.V.P. catchment in Sundargarh district of Orissa State.

1. Survey area. Priority subwatersheds Rc3c, Rc3d, Rc3f, Rf1f, Rf1g & Rf2d of Rengali R.V.P. catchment, Orissa.
2. Type of survey:- Detailed
3. Total area surveyed:- 14,252 ha.
4. Period of survey:- January 84- June, 84.
5. Soil series mapped and their distribution.

S.No.	Soil series	No. of units recognised	Watershed wise area in ha/%						
			Rc3c	Rc3d	Rc3f	Rf1f	Rf1g	Rf2d	Total
1.	Amgaon(AG)	3	165 (1.2)	202 (1.4)	187 (1.3)	104 (0.7)	39 (0.3)	70 (0.5)	767 (5.4)
2.	Bargaria(BA)	5	254 (1.8)	303 (2.1)	533 (3.7)	-	7 (0.1)	95 (0.6)	1192 (8.4)
3.	Bendukani(BK)	5	490 (3.4)	292 (2.0)	264 (1.8)	1324 (9.3)	470 (3.3)	764 (5.4)	3604 (25.4)
4.	Dhauragoth(DH)	1	-	-	-	-	94 (0.7)	127 (0.8)	221 (1.50)
5.	Edla(ED)	3	30 (0.2)	201 (1.4)	7 (0.1)	-	-	164 (1.1)	402 (2.80)
6.	Matnag(MG)	4	188 (1.3)	66 (0.4)	5 (0.1)	194 (1.3)	151 (1.1)	101 (0.7)	705 (4.90)
7.	Parkala(PK)	5	176 (1.2)	251 (1.8)	32 (0.2)	-	75 (0.5)	76 (0.5)	610 (4.3)
8.	Pashibali(PB)	2	59 (0.4)	72 (0.5)	-	-	-	-	131 (0.90)

6. Land capability unit classification(subwatershedwise distribution)

S.No.	Capability unit	Subwatershed area in ha/%						Total
		Rc3c	Rc3d	Rc3e	Rf1f	Rf1g	Rf2d	
1.	2.	3.	4.	5.	6.	7.	8.	9.
1.	II-1	344 (2.4)	710 (5.0)	479 (3.4)	23 (0.1)	7 (0.1)	31 (0.2)	1594 (11.2)
2.	II-e1	-	-	-	-	-	10 (0.1)	10 (0.1)
3.	IIw1	165 (1.1)	202 (1.4)	187 (1.3)	104 (0.7)	39 (0.3)	60 (0.5)	757 (5.3)
	II	509 (3.5)	912 (6.4)	666 (4.7)	127 (0.8)	46 (0.4)	101 (0.8)	2361 (16.6)
4.	IIIe1	410 (2.9)	649 (4.5)	251 (1.8)	-	41 (0.3)	148 (1.0)	1499 (10.5)
5.	IIIIs1	13 (0.1)	-	5 (0.1)	-	-	-	18 (0.2)
6.	IIIes1	74 (0.5)	40 (0.3)	-	194 (1.4)	41 (0.3)	25 (0.1)	374 (2.6)
7.	IIIes2	15 (0.1)	-	-	-	14 (0.1)	-	29 (0.2)
8.	IIIsw1	-	-	-	-	92 (0.6)	127 (0.9)	219 (1.5)
	III	512 (3.6)	689 (4.8)	256 (1.9)	194 (1.4)	188 (1.3)	300 (2.0)	2139 (15.0)

