

**REPORT ON DETAILED SOIL SURVEY AND LANDUSE OF
Ad5d, Ad5f, Ad5g, Ad5p, Ad5q and Ad5r SUBWATERSHEDS
OF NAGARJUNASAGAR CATCHMENT, ACHAMPET & KOLLAPUR
TALUKS, MAHBUBNAGAR DISTRICT, ANDHRA PRADESH**

A B S T R A C T

1. Survey area Priority subwatersheds Ad5d, Ad5f, Ad5g, Ad5p, Ad5q and Ad5r subwatersheds of Nagarjunasagar Catchment of Achampet and Kollapur taluks, Mahbubnagar district, Andhra Pradesh
2. Type of survey Detailed Soil Survey
3. Total area mapped and reported 17,569 ha
4. Period of survey May, 1991 to March 1992
5. Agroclimatic region Southern plateau & hills, Zone 10, Subzone 3, Semi-arid & arid region
6. Soil series & their extent

Sr. No.	Name of series	Total Area	Area under different subwatersheds					
			Ad5d	Ad5f	Ad5g	Ad5p	Ad5q	Ad5r
01.	Amrabad (AB)	1352 (8.0)	361 (13.1)	-	114 (4.7)	-	677 (12.3)	200 (6.6)
02.	Chintapalli (CP)	158 (0.9)	100 (3.6)	-	58 (2.4)	-	-	-
03.	Dharmawaram (DH)	2338 (13.8)	144 (5.2)	82 (3.6)	635 (26.0)	137 (14.5)	1284 (23.3)	56 (1.8)
04.	Kollapur (K)	5895 (34.7)	569 (20.7)	1369 (59.6)	382 (15.6)	276 (29.3)	1907 (34.7)	1392 (45.9)
05.	Lingal (LI)	316 (1.9)	93 (3.4)	-	10 (0.4)	193 (20.5)	20 (0.4)	-
06.	Marlapaya (MP)	398 (2.3)	-	-	-	-	-	398 (13.1)
07.	Peddawat (PD)	521 (3.1)	138 (5.1)	-	19 (0.8)	-	176 (3.2)	188 (6.2)
08.	Rayawaram (R)	1620 (9.5)	310 (11.2)	479 (20.9)	44 (1.8)	24 (2.5)	620 (11.3)	143 (4.7)
09.	Satapur (SP)	3780 (22.3)	901 (32.7)	365 (15.9)	871 (35.7)	313 (33.2)	671 (12.2)	659 (21.7)
10.	Tirumalapalli (TL)	590 (3.5)	139 (5.0)	-	307 (12.6)	-	144 (2.6)	-
	Total	16968	2755	2295	2240	943	5499	3036
	Misc	601	277	3	113	98	55	55
	Grand Total	17569	3032	2298	2553	1041	5554	3091

7. Land capability classification

Land capability	Area (ha)	Land capability units	Area (ha)	Soil series
II	7512 (44.3)	IIe1	3507	Lingal, Satapur
		IIes1	3508	Chintapalli, Dharmawaram, Marlapaya, Peddawat Tirumalapalli
		IIes2	213	Chintapalli, Peddawat
		IIs1	240	Peddawat
		IIs-2	44	Chintapalli
III	1626 (9.6)	IIIe1	589	Lingal, Satapur
		IIIes1	1004	Amrabad
		IIIes2	33	Amrabad
IV	1462 (8.6)	IVes1	1147	Rayawaram
		IVes2	315	Amrabad
VI	473 (2.8)	VIes1	473	Rayawaram
VII	5895 (34.7)	VIIes1	5895	Kollapur
16968				

8. Salient features and specific problems

Particulars	Series	Area (ha)	% of area under series
Gravelly coarse textured soil	Amrabad, Chintapalli, Dharmawaram, Kollapur Lingal, Rayawaram, Satapur and Tirumalapalli	1327	78.2
Area with moderate erosion	-	8641	50.0
Area with severe erosion	-	7830	46.1
Hilly area	-	7515	44.3