

Report on detailed soil survey and landuse of
Aa5q, Aa6b, Aa6j, Aa6k and Aa6t subwatersheds
Nagarjunasagar Catchment, Atmakur taluk,
Kurnool district, Andhra Pradesh

A B S T R A C T

1. Survey Area Atmakur taluk, Kurnool district,
Andhra Pradesh
Aa5q, Aa6b, Aa6j, Aa6k and Aa6t
subwatersheds
Nagarjunasagar catchment
2. Type of survey Detailed soil survey
3. Total area 16,998 ha

Subwatersheds	Net area	Misc. area	Total area
Aa5q	2279	904	3183
Aa6b	3094	23	3117
Aa6j	2883	126	3009
Aa6k	2790	119	2909
Aa6t	4405	375	4780
Total	15451	1547	16998

4. Period of survey April, 1992 to June, 1992

5. Soil series and their extent

Name of the soil series (Symbol)	Aa5q	Aa6b	Aa6j	Aa6k	Aa6t	Total
Ankalamakota (A)	215 (9.4)	-	-	-	-	215 (1.4)
Atmakur (AT)	60 (2.6)	1131 (36.6)	1673 (58.0)	2234 (80.1)	3025 (68.7)	8123 (52.6)
Erramattam (EM)	-	105 (3.4)	-	-	-	105 (0.7)
Edurupadu (EP)	-	-	-	-	189 (4.3)	189 (1.2)
Guvvalakunta (GK)	-	-	-	-	189 (4.3)	189 (1.2)
Gokavaram (GV)	603 (26.5)	240 (7.8)	-	-	-	843 (5.5)
Gummadapuram (GP)	-	129 (4.2)	-	-	-	129 (0.9)

Karivena (K)	-	582 (18.8)	1210 (42.0)	43 (1.5)	772 (17.5)	2607 (16.9)
Kurkunda (KK)	-	-	-	513 (18.4)	189 (4.3)	702 (4.5)
Lingapuram (L)	448 (19.7)	18 (0.5)	-	-	-	466 (3.0)
Musalimadugu (M)	-	174 (5.6)	-	-	-	174 (1.1)
Siddapuram (SP)	-	-	-	-	230 (5.2)	230 (1.5)
Veerapuram (V)	605 (26.5)	35 (1.1)	-	-	-	640 (4.1)
Veerabhadrapuram (VD)	348 (15.3)	-	-	-	-	348 (2.2)
Net Total	2279	3094	2883	2790	4405	15451
Misc.	904	23	126	119	375	1547
Grand Total	3183	3117	3009	2909	4780	16998

6. Potential for agricultural development land capability classification

Description	Land capability class	Area in ha and %	Land capability unit	Area in ha	Soil series
Good cultivated land	II	13603 (88.0)	IIs1	7457	Atmakur
			IIs2	77	Musalimadugu
				91	Edurupadu
				9	Gokavaram
				2240	Karivena
			IIes1	60	Atmakur
				532	Atmakur
			IIes2	702	Kurkunda
				97	Musalimadugu
			IIes2	230	Siddapuram
				589	Edurupadu
				189	Guvvalakunta
				834	Gokavaram
IIes4	367	Karivena			
	129	Gumadapuram			
Fairly good	IV	860 (5.6)	IVs1	12	Erramattam
			IVes1	74	Atmakur
				177	Ankalamakota
				93	Erramattam
				197	Lingapuram
			IVes3	119	Lingapuram
IVes4	38	Atmakur			
Uncultivable -do-	VI	988 (6.4)	VIs1	64	Lingapuram
				86	Lingapuram
	VII		VIIes1	640	Veerapuram
			VIIes1	348	Veerabhadrapuram