

**Report on Detailed Soil Survey and Land Use of Am4c,
Am4m, Am5c, and Am6f subwatersheds, Nagarjunasagar
catchment, Taluks - Mangalvedha, Pandharpur and Sangola,
District Solapur and Taluk - Jath, District Sangli,
Maharashtra**

ABSTRACT

01. Survey area : Am4c, Am4m, Am5c and Am6f subwatersheds of Nagarjunasagar catchment, Mangalvedha, Pandharpur and Sangola taluks of Solapur district and Jath taluk of Sangli district, Maharashtra
02. Type of survey : Detailed Soil Survey
03. Type of base map : Cadastral map (1:7,920 scale)
04. No. of villages covered : 36
05. Total area surveyed (ha) : 19,981 ha

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Sr. No.	Subwatershed Code	Net area	Misc. area	Total area
01	Am5c	5904	183	6087
02	Am4m	4332	71	4403
03	Am5c	4696	59	4755
04	Am6f	4615	121	4736
	Total	19547	434	19981

06. Period of survey : November, 2000 to May, 2001

07. Soil series identified and their subwatersheds extent

Soil series	Area under different subwatersheds				Total	Percentage
	Ag6m	Ag6n	Ag6p	Ag6x		
Akola	119 (1.9)	-	-	-	119	0.6
Dahiwadi	14(2.3)	1093 (24.8)	1998 (42.0)	1775 (37.5)	5006	25.0
Gunjegaon	538 (8.9)	24 (0.5)	-	-733 (15.5)	1295	6.5
Khomnal	130 (2.1)	-	-	-	130	0.7
Panchegaon	-	-	430 (9.1)	459 (9.7)	889	4.4
Shirbhavi	992 (16.3)	1535 (34.9)	1369 (28.8)	814 (17.2)	4710	23.6
Talasangi	526 (8.7)	561 (12.8)	527 (11.1)	426 (8.9)	2040	10.2
Tanali	526 (8.7)	561 (12.8)	527 (11.1)	426 (8.9)	2040	10.2
Yelgi	236 (3.9)	429 (9.7)	192 (4.0)	261 (5.5)	1118	5.6
Total	5904	4332	4696	4615	19547	97.8
Misc.	183 (3.0)	71 (1.6)	59 (1.2)	121 (2.6)	434	2.2
Grand total	6087 (35.5)	4403 (22.0)	4755 (23.8)	4736 (23.7)	19981	100

08. Potential for agricultural development and land capability classification

Description	Land capability class	Area (ha)	Percent age	Land capability unit	Area (ha)	Soil series
Good cultivated land	II	3449	17.4	IIs-1 Iie-1 Iies1	171 1295 1983	Tenali Gunjegaon Tenali Khomnal
Moderately good cultivated lands	III	1134	5.6	IIIes-1 IIIes-2 IIIes-2	16 1068 50	Tenali Yelgi Yelgi
Fairly good lands suitable for limited cultivation	IV	9069	45.4	IVes1 IVves2	8950 119	Akola Shirbhavi, Talasangi Shirbhavi
Well suited for grazing and afforestation	VI	5499	27.4	VIses-1 VIses-2 VIses-3 VIses-4	1601 243 3162 493	Dahiwadi Dahiwadi Dahiwadi Panchegaon
Lands well suited for afforestation	VII	396	2.0	VIIes1	396	Panchegaon
Total		19547	97.8			
Misc.		434	2.2			
Grand total		19981	100			

