

REPORT ON DETAILED SOIL SURVEY OF Nf2d, Nf2e, Ng1c SUBWATERSHEDS

OF NIZAMSAGAR CATCHMENT IN ZAHIRABAD AND SADASIVPET TALUKS

MEDAK DIST., ANDHRA PRADESH.

i A B S T R A C T

1. Survey area : Nf2d, Nf2e, Ng1c Subwatersheds of Nizamsagar catchment in Zahirabad and Sadasivpet Taluk, Medak District, Andhra Pradesh.
2. Total area mapped & reported : 12713 hectares.
3. Period of work : October 1987 to January 1988.
4. Soil series mapped and their distribution:

Sl. No.	Soil series	Sub-watersheds (Area and percentage)			Total
		Nf2d	Nf2e	Ng1c	
1.	Anta Ram	296 (2.3)	1031 (8.1)	506 (4.0)	1833 (14.4)
2.	Chilmedakhurd	-	129 (1.0)	-	129 (1.0)
3.	Jangikhurd	184 (1.5)	427 (3.4)	951 (7.4)	1562 (12.3)
4.	Kallur	91 (0.7)	561 (4.4)	85 (0.7)	737 (5.8)
5.	Mamdapur	531 (4.2)	523 (4.1)	1325 (10.4)	2379 (18.7)
6.	Piplapalli	1975 (15.5)	1850 (14.6)	1617 (12.7)	5442 (42.8)
	Sub-Total	3077 (24.2)	4521 (35.6)	4484 (35.2)	12082 (95.0)
	Miscellaneous Land	159 (1.3)	269 (2.1)	203 (1.6)	631 (5.0)
	Grand Total	3236 (25.5)	4790 (37.7)	4687 (36.8)	12713 (100)

5. Distribution of area under different land capability classes.

Sl. No.	Land Capability Class	Area in hectares	Percentage	Soil Series
1.	II	1563	12.3	Piplapalli, Chilmedakhurd, Jamgikhurd.
2.	III	5758	45.3	Chilmedakhurd, Jamgikhurd, Piplapalli, Kallur
3.	IV	1956	15.4	Jamgikhurd, Mamdapur, Piplapalli.
4.	VI	972	7.6	Jamgikhurd, Mamdapur.
5.	VII	1833	14.4	Antaram
Total		12082	95.0	
Misc.		631	5.0	
Grand Total		12713	100.0	

6. Specific Problematic area : (in hectares)

a) Moderate erosion on slopes over 3% on moderately deep to very deep soils	: 6160
b) Severe erosion	: 1564
c) Shallow rooting depth	: 4214
d) Stoniness/Rockiness	: 4863

Actual problematic area : 10422