

Report on detailed soil survey and Land Use of Ph2a, Ph2b, Ph2c, Ph2d and Ph3a Subwatersheds, Pochampad catchment, District Nanded and Nizamabad (M.S. & A.P.)

A B S T R A C T

1. Survey area - Ph2a, Ph2b, Ph2c, Ph2d and Ph3a Pochampad catchment, Maharashtra and Andhra Pradesh.
  2. Total area reported and mapped - 19328 ha
- | Subwatershed Code | Area (ha) |
|-------------------|-----------|
| Ph2a              | 5489      |
| Ph2b              | 2416      |
| Ph2c              | 5882      |
| Ph2d              | 1988      |
| Ph3a              | 3553      |
3. Type of survey - Detailed Soil Survey
  4. Period of Survey - December 1988 to March 1989
  5. Soil series mapped and their extent under different subwatersheds by each (ha)

Sr.No.	Name of Soil Series	Total Area ha	(%)
1.	Chincholi	2833	15.4
2.	Daregaon	662	3.6
3.	Ekgaon	107	0.6
4.	Hunda	1850	10.0
5.	Karla	408	2.2
6.	Kolur	27	0.1
7.	Malkaotha	2755	14.9
8.	Mudhol	5405	29.4
9.	Martala	1787	9.7
10.	Mahati	664	3.6
11.	Pangargaon	1845	10.0
12.	Rahegaon	96	0.5
	Total	18439	100.0
	Misc. (Road, Nala, River & habitation)	889	
	Grant Total	19328	

## 6. Land Capability classification

Land Capability Classes	Total area (ha)	%	Soil Series
II	8361	45.3	Chincholi, Ekgaon, Hunda, Malkaotha, Mudhol, Martala
III	6021	32.7	Chincholi, Hunda, Malkaotha, Mudhol, Martala, Pangargaon, Rahegaon.
IV	2666	14.5	Chincholi, Hunda, Malkaotha, Mudhol, Rahegaon, Karla, Pangargaon, Martala
VI	1255	6.8	Daregaon, Karla, Kolur, Mahati
VII	136	0.7	Mahati
Total	18439	100.0	

## 7. Specific Problem :

Nature of Problems	Total
Moderate erosion	14,666
Severe erosion	3,484
Total	18,150

## 8. Salient Features -

- For getting data on problematic areas please refer to Table No.6(A) However the salient features of the surveyed area are as under :-
- About 9.6 percent area is under shallow and very shallow soils may be e as non-arably land.
- Nearly 80.4 percent area is covered by deep and very deep soils suitable for improved agriculture under rainfed and irrigated management.
- About 47 percent area occurs on gentle slope (3-5%) and requires soil and water conservation measures.
- Nearly 18.9 percent area suffers from severe erosion erosion hazards. The appropriate soil and water conservation measures should be taken on priority basis.