

REPORT ON SOIL AND LAND USE INVENTORY, POTENTIAL, PROBLEMS
AND TREATMENT NEEDS OF MEERUT DISTRICT, UTTAR PRADESH.

i. ABSTRACT

1. Surveyed area : Sample soil survey of district Meerut , U.P. with four Tehsils.
2. Total area of the district:: 380762 hectares.
3. Kind of survey : Sample soil survey (2%) of the total district area based on random sampling.
4. Total sample blocks falling in the district : 134
5. Area of each sample block : 64 nectares
6. Period of survey : January 1987 to April 1987
7. Soil series mapped and area covered under each series based upon 2% of the district area

Sl.No.	Soil series	Area in hectare	Percentage
1.	Asifabad	17212	4.5
2.	Bastaura Narang	29113	7.7
3.	Chandain	13492	3.5
4.	Julhera	14814	3.9
5.	Oleda	6293	1.7
6.	Paira	43423	11.4
7.	Paharpur	3566	0.9
8.	Rithani	7879	2.1
9.	Sarurpur	186198	48.9
	Sub-total	321990	84.6
	Misc.	58772	15.4
	Total	380762	100.0

(ii)

8. Land capability classes

<u>Land capabi- lity unit</u>	<u>Soil series</u>	<u>Area in ha.</u>	<u>Percent- age</u>
I	Sarurpur	185598	48.7
II	Bastaura Narang, Chandain, Julhera, Palra, Rithani, Sarurpur	101207	26.6
III	Asifabad, Bastaura, Narang, Chandain, Palra, Paharpur	15736	4.2
IV	Asifabad, Chandain, Oldea	19449	5.1
	Sub-total	321990	84.6
	Misc. land (habitation river, canal, road)	58772	15.4
	TOTAL	380762	100%

9. Area under different erosional phases

<u>Sl.No.</u>	<u>Erosion class</u>	<u>Area in ha.</u>	<u>Percent- age</u>
1.	Slight		
1.	Slight	287489	75.5
2.	Moderate	21345	5.6
3.	Severe	13156	3.5
	Total	321990	84.6
	Misc.	58772	15.4
	Total	380762	100%

10. Salient features

- Nearly 32990 hectares (84.6%) of the total area is suitable for agriculture.
- About 19449 hectares (5.1%) of the total area have severe limitations due to sandy textures salt affected soil and undulating terrain.
- About 21345 hectares (5.6%) area suffer from moderate erosion and 13156 hectares (3.5%) area suffer from severe erosion hazard and require conservation measures to get optimum use of the land.