

A B S T R A C T

1. Surveyed Area : Gm1b, Gm1c, Gm1d, Gm1f, Gm1j, and Gm2j
subwatersheds of Chambal R.V.P.
Catchment Tehsil Alote, Distt. Ratlam
& Tehsil Mahidpur Distt. Ujjain, M.P.
2. Total Area : 14278 hectares.
- 3.a. Kind of survey : Detailed Soil Survey
b. Period of Survey : Dec., 1985 to March 1986

4. Soil Series mapped and area covered by each series

<u>S.No.</u>	<u>Soil Series</u>	<u>Area in ha.</u>	<u>Percentage</u>
1.	Antralia	2839	19.9
2.	Baloda	4535	31.7
3.	Gabapura	265	1.8
4.	Harsaur	982	6.9
5.	Jaggakheri	939	6.6
6.	Kamliakheri	2668	18.7
7.	Panchdaria	341	2.4
8.	Runeja	982	6.9
9.	Sarol	332	2.3
10.	Miscellaneous Land	395	2.8
Grand Total		14278	100.0

5. Land Capability classes:

S.No.	Land Capability Classes	Area in ha.	Soil Series
<u>ARABLE LANDS</u>			
1.	Good Lands minor limitations	6067	Antralia, Harsour, Jaggakheri and Sarol
2.	Moderately good lands moderate limitations	3670	Antralia, Baloda, Gobhapura, Harsour, Jaggakheri and Kamliakheri
3.	Marginal lands major limitations	3120	Antralia, Gobhapura Kamaliakheri, Runeja and Sarol
		<u>12857</u>	
<u>NON-ARABLE LANDS</u>			
4.	Grass Land forest lands	759	Antralia, Panchdharja and Runeja
5.		267	Panchdharja
		<u>1026</u>	
6.	Miscellaneous lands	395	
Total		<u>14278</u>	

Salient Features

- a. Out of total area of 14278 ha. nearly 12,857 ha. (90.0%) is suitable for agriculture.
- b. Nearly 9.2 % of the area (1323 ha.) is under shallow soils and requires afforestation and grass land management.
- c. Out of the total area 2543 ha. (17.8%) suffers from severe and 8231 ha. (57.6%) from moderate erosions.
- d. Out of 9 soil series Baloda is quite extensive and covers 4535 ha. (31.7%) of the total area.
- e. About 193 ha. (1.4%) of land is gullied and needs special attention and treatment.