

Report on detailed soil survey and land use of Gg5a, Gg5b, Gg5c, Gg5d, Gg5g and Gg5j Subwatersheds of Chambal (Above Gandhi Sagar Dam) Teh. Tarana, Distt. Ujjain Madhya Pradesh.

ABSTRACT

1. Survey Area :- Gg5a, Gg5b, Gg5c, Gg5d, Gg5g and Gg5j subwatersheds chambal RVP above Gandhi Sagar dam, Teh. Tarana Distt. Ujjain, Madhya Pradesh.
2. Total area : 11,357 hectares.
3. a. Kind of survey : Detailed soil survey
b. Period of survey : Dec., 1987 to Feb., 1988
4. Soil series mapped and area covered by each series

<u>Soil Series</u>	<u>Area in ha.</u>	<u>Percent</u>
1. Antralia	148	1.3
2. Baloda	3695	32.5
3. Jaggakheri	1591	14.0
4. kamlia kheri	1042	9.2
5. Runeja	301	2.7
6. Sarol	3842	33.8
7. Misc.	738	6.5
GRAND TOTAL	11357	100.00

5. LAND CAPABILITY CLASSIFICATIONS :-

S.No.	Land capability classes	Area in ha.	Soil series
1. II -	Good land with moderate limitations	6697	Antralia, Baloda Jaggakheri, Sarol
2. III -	Moderately good land with severe limitations	2907	Antralia, Baloda Kamlia kheri Jaggakheri, Sarol
3. IV.	Marginal land with very severe limitations	714	Kamliakheri and Jaggakheri.
<u>NON ARABLE LANDS</u>			
4. VI	Grass and forest land	301	Runeja
5. Misc. land		738	
TOTAL		11357	hact.

6. Salient features.

Out of total area of 11357 ha. (a) 10310 ha. (90.8%) is suitable for agriculture

(b) 301 ha. (2.7%) is under very shallow to shallow soils and requires good forest ranges and grass management.

(c) 1557 ha. (13.7%) suffers from severe erosion and while (L) 7754 ha. (68.3%) area is under moderate erosion.

out of the six soil series, Sarol and Baloda are quite extensive as Sarol occupies 3842 ha. (33.8%) and Baloda 3695 (32.5%) ha. 738 ha. (6.5%) of the total area has been mapped

under Misc. lands which includes habitations, tank river and gullies. The gullied area needs special attention for reclamation.