

Report on detailed soil survey of Gg5k, Gh3b, Gh3d and Gh3k ,  
Subwatersheds of Chambal R.V.P. (above Gandhi Sagar Dam),  
Tehsil Ghattia Tarana and Dewas, District Dewas, Ujjain,  
M.P.

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ABSTRACT

1. Survey area : Gg5k, Gh3b, Gh3d and Gh3k subwatersheds, Chambal RVP (above Gandhi sagar dam), Tehsil Ghattia, Tarana and Dewas, district, Ujjain and Dewas, M.P.
2. Total area : 11075 hectares
3. a) Kind of survey : Detailed soil survey  
b) Period of survey : November 1987 to March 1988.
4. Soil series mapped and area covered by each series

Soil series	Area in ha.	Percent
1. Antralia	1751	15.8
2. Baloda	5309	47.9
3. Gabapura	15	0.1
4. Harsaur	174	1.6
5. Jaggakheri	1466	13.2
6. Kamliakheri	149	1.4
7. Runeja	165	1.5
8. Sarol	1471	13.3
9. Miscellaneous land and under water	498	4.5
G.G.	77	0.7
 Grand total	 11075	 100.0

5. Land capability classification

Sl.No.	Land capability class	Area in ha.	Soil series
<u>Arable land</u>			
1.	II Good land with moderate limitations	6149	Antralia, Baloda, Harsur Jaggakheri, Sarol
2.	III Moderately good land with severe limitation	3825	Antralia Baloda, Gabapura Kamaliakheri, Jaggakheri

3.	IV	Marginal land with very severe limitations	361	Antralia, Baloda Gabapura Kamalākheri Jaggakheri
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Non Arable land

4.	VI	Grass and forest land	165	
5.		Miscellaneous land	<u>575</u>	
		Total	11075	

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6. Salient features

Out of the total area of 11075 hectares (a) 10335 ha. (93.3%) is suitable for agriculture

Nearly 1.5% of the area is under very shallow to shallow soils and requires good forest ranges and grass management. 2221 ha. of lands (20.1%) suffer from severe erosion while 6937 ha. (62.6%) of lands suffer from moderate erosion.

Out of the 8 soil series identified in the surveyed area, Baloda (47.9%) series is most extensive. about 77 ha. have been mapped under gullied lands which need special reclamation measures to prevent further soil erosion.