

DETAILED SOIL SURVEY AND LAND USE Gg1P, Gg2a, Gg3a, Gg3b, Gg3d and Gg3f, OF DIRECTLY DRAINING SUB-WATERSHEDS OF CHHOTI KALI SINDE RIVER; CHAMBAL RVP CATCHMENT, TEHSIL GANGDHAR, DISTRICT JHALAWAR, RAJASTHAN AND TEHSIL, BAROD, DISTRICT SHAJAPUR, MADHYA PRADESH.

1 - ABSTRACT:

1. SURVEY AREA: Gg1P, Gg2a, Gg3a, Gg3b, Gg3d, and Gg3f, Sub-water-sheds, Chambal RVP catchment.
(R) (H) (MP&R) (MP) (MP)
Tehsil - Gangdhar, Distt.- Jhalawar - (Rajasthan).
Tehsil - Ba-rod, Distt.- Shajapur - (M.P.).
2. TOTAL SURVEY AREA: 13475 ha.
3. KIND OF SURVEY: Detailed Soil Survey.
4. PERIOD OF SURVEY: November, 1983 to March, 1984.
5. SOIL SERIES MAPPED AND AREA UNDER EACH SERIES:

Sl. No.	Soil Series.	Area in ha.	Percentage.
1.	Antralia	493	3.0
2.	Baloda	1878	13.9
3.	Gabaspura	18	0.1
4.	Harsaur	648	4.8
5.	Jagukheri	3088	22.9
6.	Kamliakheri	1789	13.3
7.	Runaja	2751	20.4
8.	Sarol	709	5.3
	Sub-total	11284	83.7
	<u>Miscellaneous Land:</u>		
	(i) Rockout Crops.	91	0.7
	(ii) Gullied Lands	1605	12.5
	(iii) Habitation, Road: etc. 415		3.1
	Total	13475	100.0

Cont'd 11/-

6. LAND CAPABILITY CLASSIFICATION:

Land Capability Classification.	Land capability Unit.	Area in ha.	Percentage	S-11 Series.
6.1. Good arable land, minor limitations.	II - I	10	0.07	Antralia.
	IIe - I	47	0.34	Antralia.
	IIs - I	5362	39.8	Baloda, Harsaur Jaggakheri, Sarol
		622	4.60	Baloda, Harsaur Jaggakheri, Sarol
6.2. Moderately good arable land, moderate limitations.	IIIe - 1	44	0.30	Antralia
	IIIes - 1	705	5.25	Gabapura, Kamliakheri.
	IIIes - 2	297	2.2	Bloda, Harsaur Jaggakheri, Sarol
	IIIe - 1	124	0.90	Kamliakheri
6.3. Marginal arable land major limitations.	IVe - 1	302	2.3	Antralia
	IVes - 1	563	4.16	Gabapura, Harsaur Jaggakheri, Kamliakheri.
	IVes - 2	457	3.4	Kamliakheri
6.4. Non-arable land & Forestry minor limitations.	VI es - I	2751	20.4	Runeja
Sub - total		11284	83.7	
<u>6.5. Miscellaneous land:</u>				
(i)	Rock out Crops	91	0.7	-
(ii)	Gullied land	1685	12.5	-
(iii)	Habitation, road etc.	415	3.1	-
Sub-total		2191	16.3	-
Total		13475	100.0	-

Cont'd iii

1. of thr total area, 1965 ha. (12.5%) suffer from gully erosion and about 343 Ohm (25.4%) suffer from severs erosion and need immesiate soil conservation measures,

2. In soil potential about 6726 ha. (49.9%) land is covered by deep to very deep soils here as 2751 ha. (20.4%) land especially area falling under Runaja soil series area very shallow to shallow and is suitable for forestry and grass land development.
