

Detailed Soil Survey of part of Maleni Nadi

(Gu4d, Gu4f, Gu5a, Gu5c and Gu5d subwatersheds)
 Chambal R.V.P Catchment, Tehsil Jaora
 District Ratlam and Tehsil Khachrod,
 District Ujjain, Madhya Pradesh.

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i. ABSTRACT

1. Survey Area : Part of Maleni Nadi, (Gu4d, Gu4f, Gu5a, Gu5c and Gu5d subwatersheds), Tehsil Jaora, District Ratlam and Tehsil Khachrod, District Ujjain, Madhya Pradesh.
2. Total survey area : 11412 ha.
3. Kind of survey : Detailed Survey of medium intensity.
4. Period of Survey : December, 1983 to March, 1984.

5. Soil Series mapped and area covered by each series:

S.no.	Soil Series	Gu4d area (ha, (%)	Gu4f area ha, (%)	Gu5a area ha, (%)	Gu5c area ha, (%)	Gu 5d area ha, (%)	Total area ha. (%)
1.	Antralia	169 1.5	157 1.4	61 0.5	55 0.5	91 0.8	533 4.7
2.	Baloda	108 1.0	873 7.6	781 7.0	221 1.9	582 5.0	2565 22.5
3.	Gabapura	71 0.7	60 0.5	68 0.5	22 0.2	2 -	223 1.9
4.	Harsaur	153 1.4	236 2.1	358 3.1	484 4.2	256 2.2	1487 13.0
5.	Jaggakheri	203 1.8	-	158 1.4	425 3.7	171 1.5	957 8.4
6.	Kamliakheri	720 6.3	579 5.1	80 0.7	155 1.4	164 1.4	1698 14.9
7.	Panchdaria	90 0.8	35 0.3	-	-	49 0.4	174 1.5
8.	Panchdaria Runeja	601 5.3	629 5.5	-	-	-	1230 10.8
9.	Pipalia	10 0.1	-	11 0.1	-	27 0.2	48 0.4
10.	Runeja	143 1.3	169 1.5	4 0.0	67 0.6	4 0.0	387 3.4
11.	Sarol	51 0.4	614 5.4	22 0.2	-	104 0.9	791 6.9
12.	Gullied	207 1.8	426 3.7	167 1.5	130 1.1	98 0.9	1028 9.0
13.	Miscellaneous	99 0.9	72 0.6	64 0.6	16 0.1	40 0.4	291 2.6
Grand Total		2625 23.3	3850 33.7	1774 15.6	1575 13.7	1588 13.7	11412 100 %

6. Land capability classes :

<u>Land capability</u> <u>Classes</u>	<u>Soil series</u>	<u>Area in</u> <u>ha.</u>	<u>Percenta</u> <u>%</u>
<u>(a) Arable Lands</u>			
II	Antralia, Baloda Hasaur, Jaggakheri Sarol, Piplia.	5301	46.4
III	Antralia, Baloda Gabapura, Harsaur, Jaggakheri, Kamliakheri Piplia, Sarol	1785	15.7
IV	Antralia, Gabapura Jaggakheri, Kamliakheri	1216	10.6
TOTAL		8302	72.7
<u>(b) Non-Arable lands</u>			
VI	Runeja, Panchdaria	1791	15.7
TOTAL		1791	15.7
<u>(c) Miscellaneous Lands</u>			
(i) Gullied land		1028	9.0
(ii) Road, River, Habitation etc.		291	2.6
GRAND TOTAL		11412	100.0

