

Detailed Soil Survey and Land Use of Bg2a, Bg2d, Bg2g, Bg2f
Subwatersheds of Bajaj Sagar Catchment, Mahi R.V.P., Tehsils
Bajna and Ratlam, District Ratlam (M.P.)

A B S T R A C T

1. Surveyed Area Bg2a, Bg2d, Bg2g, Bg2f and
Bg2g Subwatersheds of Bajaj
Sagar Catchment, Mahi R.V.P.,
Ratlam District
Madhya Pradesh
2. Total area surveyed 13754 ha
3. Type of Survey Detailed Soil Survey.
4. No. of Villages Covered Full : 6
Part : 25
5. Period of Survey December, 1991 to March, 1992.
6. No. of villages 31

7. Soil Series mapped and Subwatershedwise area covered by each series

(in area)

Sr. No.	Soil Series with symbol	BgZa	BgZd	BgZf	BgZg	Total Area
1	Baloda (b)3	33 (0.9)	33 (1.0)	1673 (48.0)	1902 (61.3)	3641 (26.5)
2	Harsour (h)2	-	-	-	219 (7.3)	219 (1.6)
3	Jaggakheri (J)2	39 (1.0)	131 (3.9)	109 (3.1)	37 (1.2)	316 (2.3)
4	Kamaliakheri (K)2	44 (1.1)	638 (18.9)	416 (11.9)	299 (9.9)	1397 (10.1)
5	Mundri (M)3	2335 (60.2)	451 (13.3)	7	- (0.2)	2793 (20.3)
6	Panchdaria (P)4	833	478 (21.5)	3 (14.2)	3 (0.1)	1317 (9.6)
7	Umarthana (V)2	273 (7.0)	969 (28.7)	887 (25.4)	319 (10.6)	2448 (17.8)
8	Umarthana (V)2	50 (1.3)	557 (16.5)	223 (6.4)	103 (3.4)	933 (6.8)
Sub Total		3607 (93.0)	3257 (96.5)	3318 (95.1)	2882 (93.6)	13064 (95.0)
Misc Land		271 (7.0)	117 (3.5)	171 (4.9)	131 (4.4)	690 (5.0)
Grant Total		3878 (100.00)	3374 (100.00)	3489 (100.00)	3013 (100.00)	13754 (100.00)

Salient Features

- Out of the total area of 14308 ha only 3621 ha (25.3%) is suitable for agriculture.
- nearly 2988 ha (20.9%) area have moderate and about 10716 ha (74.9%) area have severe erosion problems.
- Very shallow to shallow soils cover an area of 10473 ha (67.4%) and area recommended for pasture and forest development.
- Six soil series have been identified in the survey area where Mundri, Panchadaria and Kamliakheri series are relatively extensive.