

Report on Detailed Soil Survey and Landuse of Bg4c, Bg4d, Bg4f, Bg4g, Bg4h and Bg4m subwatersheds, Bajaj Sagar Catchment (Mahi RVP), Tehsil and District Ratlam and Tehsil Badnawar, District Dhar, Madhya Pradesh.

I.

ABSTRACT

1. Surveyed area : Bg4c, Bg4d, Bg4f, Bg4g, Bg4h and Bg4m Subwatersheds, Bajaj Sagar Catchment, Mahi R.V.P.
2. Total Surveyed area : 17,166 hactares.
3. Kind of survey : Detailed Soil Survey
4. Period of survey : November, 1983 to June, 1984
5. Soil series mapped and area covered by each series:

Sl. No.	Soil Series	Total area in ha. (%)	Subwatershed-wise area in ha. (%)					
			Bg4c	Bg4d	Bg4f	Bg4g	Bg4h	Bg4m
1.	Baloda	418 (2.4)	-	58 (2.9)	14 (0.9)	17 (0.6)	191 (4.4)	138 (3.4)
2.	Dholka	247 (1.4)	27 (1.1)	22 (1.1)	37 (2.4)	17 (0.6)	141 (3.2)	3 (0.1)
3.	Gabapura	252 (1.5)	13 (0.5)	7 (0.3)	33 (2.1)	34 (1.3)	161 (3.7)	4 (0.1)
4.	Harsaur	163 (1.0)	-	27 (1.3)	46 (3.0)	60 (2.2)	30 (0.7)	-
5.	Jaggakheri	793 (4.6)	46 (1.9)	238 (11.8)	34 (2.2)	-	266 (6.1)	209 (5.1)
6.	Kamliakheri	2692 (15.7)	328 (13.4)	314 (15.6)	127 (8.2)	381 (14.2)	835 (19.1)	707 (17.3)
7.	Mundri	2476 (14.4)	463 (18.9)	101 (5.0)	171 (11.0)	380 (14.2)	967 (22.1)	394 (9.6)
8.	Panchdaria	158 (0.9)	9 (0.4)	15 (0.7)	-	68 (2.5)	17 (0.4)	49 (1.2)
9.	Runeja	6375 (37.1)	1122 (45.8)	742 (36.9)	753 (48.5)	1367 (51.1)	991 (22.6)	1400 (34.2)
10.	Sarol	517 (3.0)	38 (1.5)	54 (2.7)	31 (2.0)	-	15 (0.3)	379 (9.2)
11.	Umarthana	1944 (11.4)	243 (9.8)	351 (17.7)	226 (14.4)	203 (8.8)	401 (9.1)	520 (12.6)

Sl. No.	Soil Series	Total area in ha.(%)	Subwatershed-wise area in ha.(%)					
			Bg4c	Bg4d	Bg4f	Bg4g	Bg4h	Bg4m
Sub-total		16035 (93.4)	2289 (93.3)	1929 (96.0)	1472 (94.7)	2527 (94.5)	4015 (91.7)	3803 (92.8)
Miscl. Land		1131 (6.6)	163 (6.7)	81 (4.0)	82 (5.3)	148 (5.5)	362 (8.3)	295 (7.2)
Grand total		17166 (100.0)	2452 (100.0)	2010 (100.0)	1554 (100.0)	2675 (100.0)	4377 (100.0)	4098 (100.0)

N.B. 1. Miscellaneous lands include the area under habitation, river, nallas, submergence, gullies, rock outcrops, etc.

6. Area under different land capability class:

Land Capability Class	Total Area in ha. (%)	Subwatershed-wise area in ha.(%)					
		Bg4c	Bg4d	Bg4f	Bg4g	Bg4h	Bg4m
II	1576 (9.2)	84 (3.4)	297 (1.5)	123 (7.9)	31 (1.2)	371 (8.5)	670 (16.3)
III	2078 (12.2)	277 (11.3)	226 (7.3)	113 (7.2)	366 (13.7)	554 (12.7)	542 (13.3)
IV	7786 (45.4)	1219 (49.7)	952 (47.4)	833 (53.7)	1479 (55.3)	1633 (37.4)	1670 (40.8)
VI	3732 (21.8)	559 (22.9)	448 (22.2)	347 (22.3)	524 (19.6)	1091 (24.9)	763 (18.5)
VII	153 (0.7)	57 (2.2)	-	3 (0.2)	-	93 (2.0)	-
Sub-total	15325 (89.3)	2196 (89.5)	1923 (95.7)	1419 (91.3)	2400 (89.8)	3742 (85.5)	3645 (88.9)
Forest land	710 (4.1)	93 (3.8)	6 (0.3)	53 (3.4)	127 (4.7)	273 (6.2)	158 (3.9)
Miscl. land	1131 (6.6)	163 (6.7)	81 (4.0)	82 (5.3)	148 (5.5)	362 (8.3)	295 (7.2)
Grand total	17166 (100.0)	2452 (100.0)	2010 (100.0)	1554 (100.0)	2675 (100.0)	4377 (100.0)	4098 (100.0)

