

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF
Ba3n, Ba3p, Ba3r, Ba3s, Ba3t and Ba3u SUB-
WATERSHEDS BAJAJ SAGAR CATCHMENT MAHI R.V.P.
TEHSIL SAILANA AND JAWRA DISTT. RATLAM (M.P)

A B S T R A C T

1. Survey Area : Ba3n, Ba3p, Ba3r, Ba3s, Ba3t and Ba3u Sub-watersheds of Bajajsagar catchment.
2. Total area surveyed : 13074 ha.
3. Type of Survey : Detailed Soil Survey
4. Period of Survey : March - 1991 to June -1991
5. Location : $23^{\circ}-26'$ to $23^{\circ}-33'$ NL
 $74^{\circ}-40'$ to $74^{\circ}-54'$ EL
6. Number of Villages : 86

7. Series wise distribution of area under different sub-watersheds (Area in ha & %)

Sr. No.	Name of the soil series	No. of soil measuring unit	Total area	Sub-watersheds					
				Ba3n	Ba3P	Ba3r	Ba3s	Ba3t	Ba3u
1.	Daulatpura	2	682 (5.2)	-	88 (4.8)	216 (12.0)	146 (4.7)	75 (2.5)	157 (5.0)
2.	Jaggakheri	2	281 (2.2)	-	-	111 (6.2)	68 (2.1)	99 (3.4)	3 (0.1)
3.	Jhirnia	1	350 (2.6)	-	11 (0.6)	9 (0.5)	35 (1.2)	287 (9.8)	8 (0.2)
4.	Kemaliakheri	3	1319 (10.0)	-	139 (7.6)	294 (16.3)	433 (13.9)	199 (6.8)	254 (8.2)
5.	Mundri	3	5030 (38.5)	57 (17.9)	666 (36.4)	568 (31.5)	1415 (45.7)	1313 (44.9)	1011 (32.6)
6.	Panchdaria	2	2400 (18.4)	239 (75.4)	497 (27.2)	290 (16.2)	352 (11.4)	182 (6.3)	840 (27.0)
7.	Runeja	3	2372 (18.2)	8 (2.5)	309 (16.9)	190 (10.5)	518 (16.6)	598 (20.5)	749 (24.1)
Sub Total			12434 (95.1)	304 (95.8)	1710 (93.5)	1678 (93.2)	2967 (95.6)	2753 (94.2)	3022 (97.2)
Miscellaneous Lands			640 (4.9)	13 (4.2)	118 (6.5)	122 (6.8)	135 (4.4)	167 (5.8)	85 (2.8)
TOTAL			13074 (100.0)	317 (100.00)	1828 (100.00)	1800 (100.0)	3102 (100.00)	2920 (100.0)	3107 (100.0)

8. Sub-watershed wise area under different land capability unit

Sr. No.	Land capability class	Total area	Sub-watersheds					
			Ba3n	Ba3p	Ba3r	Ba3s	Ba3t	Ba3u
1.	II	1309 (10.0)	-	99 (5.4)	336 (18.6)	249 (8.0)	461 (15.7)	164 (5.2)
2.	III	1080 (8.2)	-	122 (6.7)	235 (13.0)	413 (13.3)	136 (4.7)	174 (5.6)
3.	IV	2615 (20.0)	8 (2.5)	326 (17.8)	249 (13.8)	538 (17.3)	661 (22.7)	833 (20.9)
4.	VI	3009 (23.0)	239 (75.4)	592 (32.4)	345 (19.2)	484 (15.6)	322 (11.0)	1027 (33.0)
5.	Sub Total	8013 (61.2)	247 (77.9)	1139 (62.3)	1165 (64.7)	1684 (54.2)	1580 (54.1)	2198 (70.7)
6.	Forest Lands	4421 (33.9)	57 (17.9)	571 (31.2)	513 (28.5)	1283 (41.4)	1173 (40.2)	824 (26.5)
7.	Miscellaneous Lands	640 (4.9)	13 (4.7)	118 (6.5)	122 (6.8)	135 (4.4)	167 (5.7)	85 (2.8)
	Grand Total	13074 (100.0)	317 (100.0)	1828 (100.0)	1800 (100.0)	3102 (100.00)	2920 (100.0)	3107 (100.0)