

Report on detailed soil survey and land use of  
Ba7c, Ba7d, Ba7g, Ba7h, Ba7j and Ba7k subwatersheds,  
Bajajsagar Catchment (Mahi RVP), Tehsil Pratapgarh &  
Pratod, District Chittorgarh, Rajasthan.

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A B S T R A C T

1. Surveyed area : Ba7c, Ba7d, Ba7g, Ba7h, Ba7j and Ba7k subwatersheds, Bajajsagar Catchment, Mahi RVP, Rajasthan.
2. Total Surveyed area : 15,656 hectares
3. Kind of survey : Detailed Soil Survey
4. Period of survey : April 1987 to March, 1988
5. Soil series mapped and area covered by each series

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Sl.No.	Soil Series	Total area in ha (Percentage)
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1.	Baloda	2739 (17.5)
2.	Daulatpura	1150 (7.3)
3.	Kamliakheri	1419 (9.1)
4.	Mundri	4800 (30.7)
5.	Panchdaria	3445 (22.0)
6.	Runeja	398 (2.5)
7.	Sarol	797 (5.1)

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Sub-total : 14748 (94.2)

Miscl. land 908 (5.8)

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GRAND TOTAL 15656 (100.0)

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NB: 1. Miscellaneous lands include the area under habitation, river, nalla, road, village track, etc.

6. Area under different land capability classes:

Sl. No.	Land Capability Class	Total area in hectare (Percentage)
1.	II	4485 (28.6)
2.	III	1011 (6.5)
3.	IV	750 (4.8)
4.	VI	5913 (37.8)
5.	VII	173 (1.1)
Sub-total		12332 (78.8)
Forest land		2416 (15.4)
Miscl. land		908 (5.8)
GRAND TOTAL :		15656 (100.0)

Salient features and problems:

- Out of the total area of 15,656 ha., only 6246 ha (39.9%) area is suitable for agriculture.
- Nearly 9076 ha (58%) area has severe and 5672 ha (36.2%) area has moderate erosion problems. Both require appropriate soil and water conservation measures.
- Very shallow to shallow and shallow soils cover an area of 8643 ha (55.2%) and are mostly recommended for pasture and forest development programmes.
- Seven soil series are met within the surveyed area but only Baloda, Mundri and Panchdaria series are relatively extensive.