

**Report on Detailed Soil Survey and Land-use of Sub-watersheds  
2D2A2a, 2D2A2b, 2D2A2b' 2D2A2j, 2D2A2v' and 2D2A2w Sub-  
watersheds of Morel Sub-catchment (2D2A) of Banas catchment (2D2)  
in Tehsils Bamanwas and Gangapur City of District Sawai  
Madhopur and Tehsils Nadauti and Sapotra of District Karouli,  
Rajasthan State**

**ABSTRACT**

1. **Surveyed Area (a)** : 2D2A2a, 2D2A2b, 2D2A2b' 2D2A2j, 2D2A2v' and 2D2A2w Sub-watersheds of Morel Sub-catchment (2D2A) of Banas catchment (2D2) in Tehsils Bamanwas and Gangapur city of District Sawai Madhopur and Tehsils Nadauti and Sapotra of District Karouli, Rajasthan State
- (b) **Agro Climatic Zone** : RJ-5-Semi-Arid Eastern Plain zone
- (c) **Agro climatic Region** : Central Plateau & Hill Region – VIII
- (d) **Agro – Ecological Zone** : No.4 (Northern Plain and Central High Land Hot Arid Ecological Region with G.P. of 90 – 150 days)
2. **Total Area** : 21,952 ha.
3. **Kind of Survey** : Detailed Soil Survey
4. **Period of Survey** : December, 2000 to March, 2001

➤ **Soil Series Mapped and Their Areal Extent**

Sl. No.	Soil Series	Area in ha	Percentage
1.	Arab-Ka-Pura	386	1.8
2.	Badjhadauli	201	0.9
3.	Baliawas	2591	11.8
4.	Bawli	900	4.1
5.	Berkhandi	1536	7.0
6.	Bhanwarki	327	1.5
7.	Haripura	1075	4.9
8.	Isroda	507	2.3
9.	Kheda Bad	1000	4.5
10.	Piplait	2820	12.9
11.	Ram Singh Pura	1078	4.9
12.	Roond Tizara	560	2.6
13.	Safipura	6791	30.9
14.	Tizara	632	2.9
15.	Toda Tekla	384	1.7
	<b>Total Mapped Area</b>	<b>20788</b>	<b>94.7</b>
	<b>Misc. Area</b>		
(a)	Road, Habitation	423	1.9
(b)	Water bodies	741	3.4
	<b>Grand total</b>	<b>21952</b>	<b>100.0</b>

➤ Land Capability Classes

Land capability Class	Area in ha.	Percentage	Soil series
<b>A. Arable Lands</b>			
II. Lands capability class	13602	62.0	Arab-Ka-Pura, Baliawas Bawli Berkhandi, Haripura, Isroda, Piplait, Ram Singh Pura, Safipura, Tizara, Toda Tekla
III.	2227	10.1	Arab-Ka-Pura, Baliawas, Berkhandi, Haripura, Piplait, Ram Singh Pura, Safipura
IV.	3915	17.8	Arab-Ka-Pura, Badjhadauli Baliawas, Isorda Piplait, Roond Tizara
<b>B. Non Arable Lands</b>			
VI	44	0.2	Roond Tizara
VII	1000	4.6	Kheda Bad
<b>C. Miscellaneous Lands</b>			
	423	1.9	(a) Road, Habi. etc
	741	3.4	(b) Water bodies
<b>Grand-total</b>	<b>21952</b>	<b>100</b>	

