

**Report on Detailed Soil Survey and Land Use of 2D2A5p and 2D2A5q' Subwatersheds of Morel (2D2A) Subcatchment of Banas FPR catchment in Amer, Jaipur and Jamua Ramgarh Tehsils, Jaipur District, Rajasthan State**

**ABSTRACT**

- **Survey Area** : 2D2A5p and 2D2A5q' subwatersheds of Morel (2D2A) Subcatchment of Banas FPR catchment in Amer, Jaipur and Jamua Ramgarh tehsils, Jaipur district, Rajasthan
- **Period of Survey** : January to April, 2005
- **Kind of Survey** : Detailed Soil Survey
- **Total Area Surveyed** : 6140 ha
- **Agro Climatic Zone** : VIII- The Central Plateau And Hill Region
- **Base material** : Cadastral maps on 1: 4000 scale

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

<u>Sl. No.</u>	<u>Soil Series</u>	<u>Area (ha)</u>	<u>Percentage</u>
1.	Amawara (AR)	297	4.9
2.	Baliawas (B)	638	10.4
3.	Dungarwara (DR)	2719	44.3
4.	Isroda (I)	483	7.9
5.	Piplait (PT)	162	2.6
6.	Roond Tizara (RT)	812	13.1
7.	Thanapura (TP)	190	3.1
8.	Tizara (T)	245	4.0
	<b>Subtotal</b>	<b>5546</b>	<b>90.3</b>
I.	Area under Habitation, Road, etc.	473	7.7
II.	Area under Nala, River, Tank, etc.	121	2.0
	<b>Subtotal</b>	<b>594</b>	<b>9.4</b>
	<b>Grand Total</b>	<b>6140</b>	<b>100.0</b>

➤ **Land Capability Classes:**

<u>Sl. No.</u>	<u>Land Capability Class</u>	<u>Soil Series name</u>	<u>Area (ha)</u>	<u>Percentage</u>
A.	<b>Arable Lands</b>			
	II	Amawara, Baliawas, Tizara	760	12.4
	III	Amawara, Baliawas, Tizara	334	5.4
	IV	Isroda, Piplait, Roond Tizara, Thanapura, Tizara	1733	28.2
B.	<b>Non-arable lands</b>			
	VII	Dungarwara	2719	44.3
		<b>Subtotal</b>	<b>5546</b>	<b>90.3</b>
C.	<b>Miscellaneous lands</b>			
	Road, Habitation, etc.		473	7.7
	Area under water	Nala, River, Tank, etc.	121	2.0
		<b>Subtotal</b>	<b>594</b>	<b>9.7</b>
		<b>Grand total</b>	<b>6140</b>	<b>100.0</b>

➤ **Salient Features**

- ⇒ 4344 ha (70.7%) area is subjected to severe erosion which needs suitable soil conservation measures.
- ⇒ 2719 ha (44.3%) area is having 25-50% slope and 2067 ha (33.6%) area is having altogether 3-10% slope. Only 760 ha (12.4%) area is having 1-5% slope.
- ⇒ Major portion of the area i.e. 2827 ha (46.0%) have very deep soils where as 2719 ha (44.3%) is having shallow soils in the survey area.