

Land Coverage of The Thar Desert

Forests < 1.8%

Various Village Institutions: > 5.6%

About 92% are remaining institutions which includes agriculture and fallow land

Biodiversity Regime of Great Indian Thar Desert

1. State and central Protected

National Parks
Wildlife Sanctuaries
Conservation Reserve

2. Peoples Protected

Village Institutions

Biodiversity Ensure Good Ecology

Which Leads To Good Villages Economy

Diversity Holding in Thar Desert

900 + Plant Species 86 + Grasses 2000 + Animal Species 32 Million Livestock Over 29 Million People

Role of Desert Biodiversity in Local Livelihoods

Repository of

Flora resource: Food-Fodder-Water-Firewood-Fencing-Gum-Resin-Fiber-Thatching-Timber Non-edible Oils-Dyes-Tannin-Herbal Support

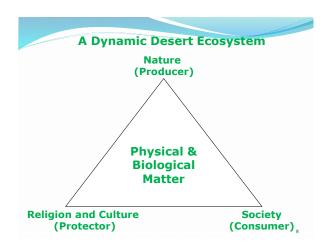
Faunal resource: Meat-Wool-Hair-Skin-Hide-Fur-Fat-Horn, Bones for Craft & Cottage

Because of

Species Richness, Genetic Variation, Diversity

Which is helped by

Desert Ethos, Peoples Science, Oral Traditions, Survival of People



Various Village Institutions in Rajasthan

1. Oran

:Sacred Silvipasture

2. Gauchar

:Annual Nutrition Banks

3. Agriculture (including fallow)

: Biomass Generators

4. Sand dunes 5. Gravel Lands : Moisture Retainers

6. Wastelands

: Poor Biomass Zone : Low Productivity Zone

7. Agors

: Water Catchments

8. Water Bodies

: Biomass Accelerators

9. Forest Enclosures: Native-Exotic Plants

Oran Dynamics

>Assuming oldest Oran about 800 yrs. old.

➤ Most came into existence 150-500 yrs ago.

> To maintain life support system and livestock economy

History

➤ Description goes back to over 600 years

> 'Bahis', Oral Stories, Anectodes, Folk Lores

> Local Heros, Deities and Sculpture

Geographical Coverage

>Entire Thar desert

Why Orans (village forest) & Gauchars (village pasture) are Important?

Biodiversity, People & Livestock Support Institutions

Based on

Species Richness-Genetic Variation-Diversity

Influences

Culture-Social Fabric-Food Habits

Agriculture Practices

Gauchars of Thar in Relation to its Rainfall, Area and Livestock

S. No.	District	Ann. Rainfall mm	Area	Livestock 2 (Laks)	Gauchar (ha)1
1	JODHPUR	290	22850	37.89	1,23,000
2	Nagaur	310	17718	32.27	74,000
3	Pali	480	12387	27.38	92,000
4	Jalore	418	10640	18.13	51,000
5	BARMER	260	28387	41.76	2,13,000
6	Jaisalmer	140	38401	24.77	89,000
7	Bikaner	260	27244	25.31	39,000
8	Churu	320	16830	21.00	48,000
9	Sikar	440	7732	17.96	48,000
10	Jhunjhunu	445	5928	12.48	45,000
11	Sriganganagar	248	20362	14.27	26,000
	Total	Range : 140- 480	205941	273.16	8,46,000

Orans of Barmer

:1395 bighas Small :17,947 bighas Large

(Dhok Virarmata)

Orans of Jaisalmer

Small :5125 bighas :42,000 bighas Large

(Bhadariyaji)

Orans of Jodhpur

:2545 bighas Small :55,315 bighas Large

(Barsingo ka bada -Phalodi)

Dyeing Gauchars (Example: Bikaner District)

Original Status In Bighas

Present Status In Bighas

:Decay

1. 81Villages of Bikaner Tehsil

11. Condition in other districts

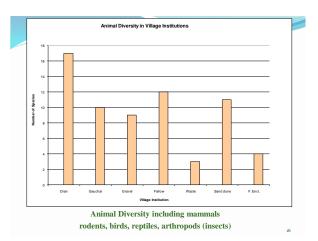
Now under Lunsaran (command area) Gauchar +Oran = 49245 :Reduced to 15984

Sare Nathania Gauchar 27205 :Reduced Napasar Gauchar 9890 :Encroached Bheenasar Gauchar 5207 :Protected by people encroachment removed 4.

Jaymal Sar Village 2416 Mehrasar Village 2370 Kheera Village 1221 :1225 :Totally lost :190 Panpalsar Village 614 :Lost Kolayat Tehshil Gouchars of 25 Villages 10. Chattargarh Village 2786 :1200

Animal-Plant Interrelationship in Orans

S. No	Name of Plants	Animals	Nests	Burrows	Total
1	Prosopis cinereria (Khejari)	49	45	43	137
2	<u>Capparis decidus</u> (Ker)	36	26	143	205
3	Zizyphus nummularia (Bordi)	28	19	27	74
4	Prosopis juliflora (Angreji babool)	03	01	01	05











Water Body





Nadi /Talab



Orans in Desert thus have been named after about 100 such revered dignitaries like Karnimata, Vankalmata, Jogmaya, Chamunda Ramdeoji, jamboji, Papbuji, Gogaji, and Mamaji ka Oran. In most Orans a temple of a deity or local hero or 'Than' is present thus maintaining sanctity of the Oran till date.





Jambhoji: Founder of Bishnoi sect

(Born in 1451 A.D. in a village Pipasar and died in 1536)



He launched *Bishnoism* at Samrathal Dhora in 1485 A.D. Jambho ji, was born in a Rajput family of Panwar clan in a remote village Pipasar in 1451 A.D. He was the only child of his parents i.e. Father, Lohat ji Panwar and Mother, Hansa Devi.







