

INTERPRETATION CENTRE

Dudhleshwar, Todgarh Raoli Wildlife Sanctuary



ecopanions society



Introduction

Interpretation Centres
are usually made for the urban tourists
who come to see wildlife.

In Todgarh Raoli Wildlife Sanctuary
the visitors are few and far between
because the habitat is degraded
by local people's exploitation of natural resources.

Here the need of the hour
is to educate the rural poor
about the need to conserve the forests
so that they become
a part of the process of conservation.

Interpretation Centre for Local Rural Residents

Primarily for
Village Children & Village Adults
who should be given an understanding that
the forest next to their homes
is not for exploiting wood & grass alone
but that it is a valuable, precious resource
and could become a source of income.

Only after that,
the Interpretation Centre
should address the
Outside Urban Visitor.

The Objectives:

1.

Take the message of Conservation to the rural people.

2.

Bring change in the mind set of the rural people towards Conservation of their Forests.

3.

Build capacity by engaging & employing local community members for Communication, Education & Awareness Generation programs designed for the rural people.

4.

Create a Story of Col Tod's Trail so as to make an Urban Visitor's walk a memorable & enriching experience.

What to Interpret?

FOREST AS A RESOURCE BASE

Wood & Water

Food, Fodder, Fuel, Fixtures

Medicines etc.

THE INCREDIBLE BIODIVERSITY

the endemic species in relation to
what is found in India & in the world.

THE WEB OF LIFE

the interconnections & interdependencies.

The importance of forests
in our lives.

WILDLIFE CONSERVATION CAN GENERATE INCOME

How to Interpret?

While “A Photograph is worth a 1000 Words”
it is not enough to explain
complex conservation related ideas.

These ecological concepts can be
visually represented with Graphics
for those who cannot read or write.

Hence, with minimum use of the written word
the Interpretation Centre could recreate
the richness of the forest
by using icons
that are easily understood.
Following are a few examples:

ICONS of TREES

These are representative icons of Trees not made to scale.
Better icons can be created for easy identification than these samples:



Mahua



Hingotan



Banyan

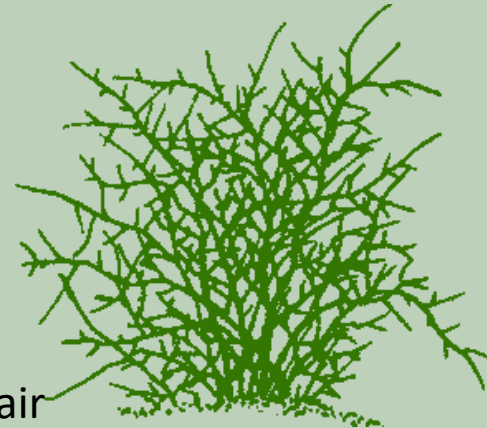


Dhok

ICONS of BUSH & SHRUB



Farangni

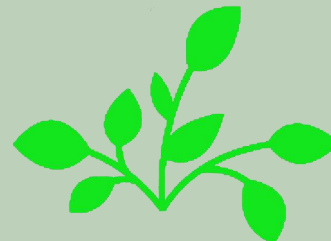


Kair

ICONS of PLANTS



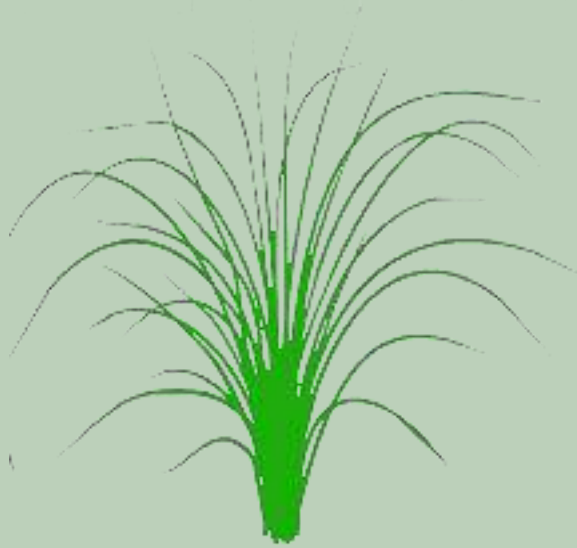
Nagadbavji



Koli Kanda

ICONS of CLIMBERS & GRASSES

Bhuari



Pilwani Bel



Dhaman



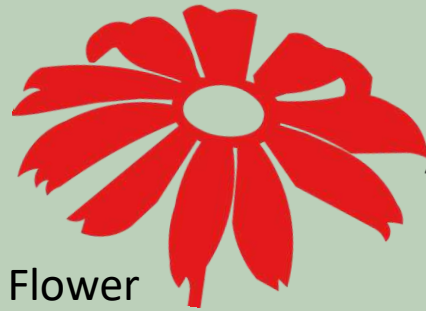
Salar Bel



OTHER ICONS



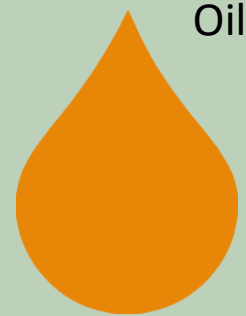
Leaf



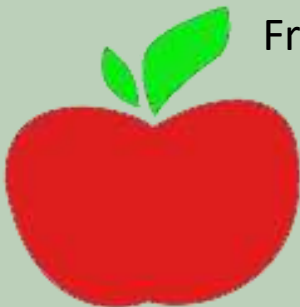
Flower



Seed



Oil



Fruit



Tuber / Roots



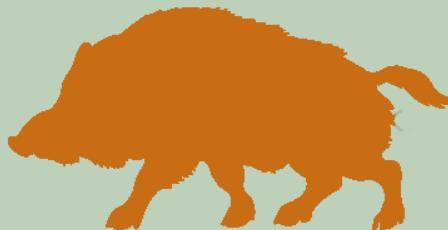
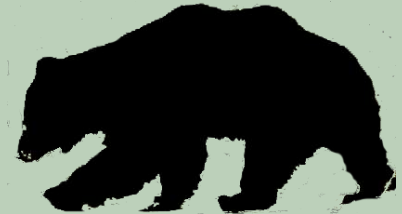
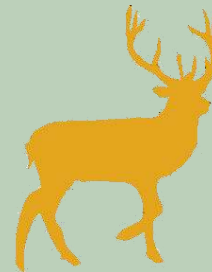
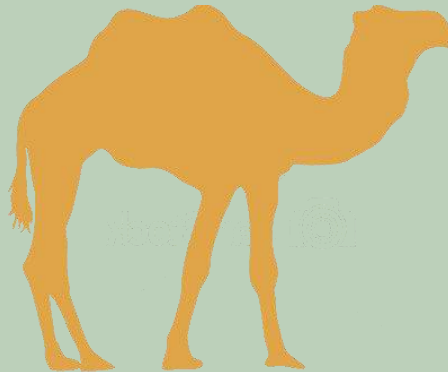
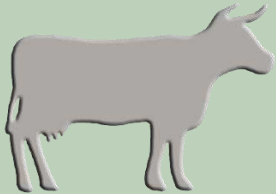
Gum



Medicine

COLOR CODING

could also define the Fauna into
Insects, Reptiles, Amphibians, Birds & Mammals



Together they depict Biodiversity and the Web of Life

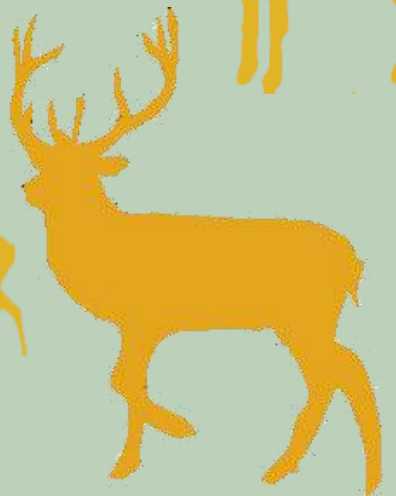
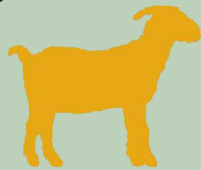
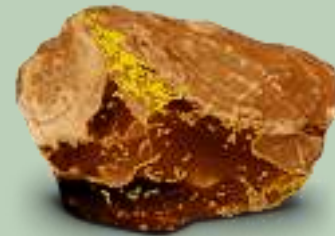
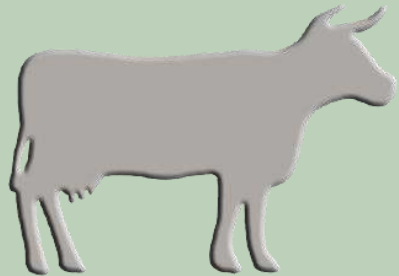
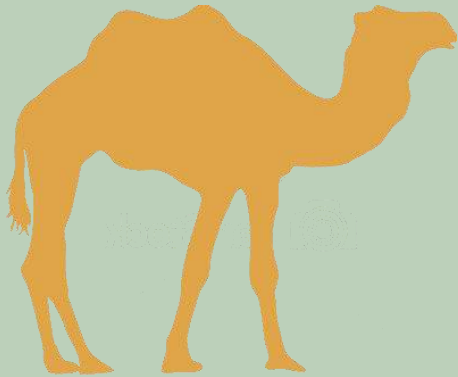
(this is a representative image not factually authenticated)



Egqv / Mahua / Madhuca
indica

Some more Representative Graphics:

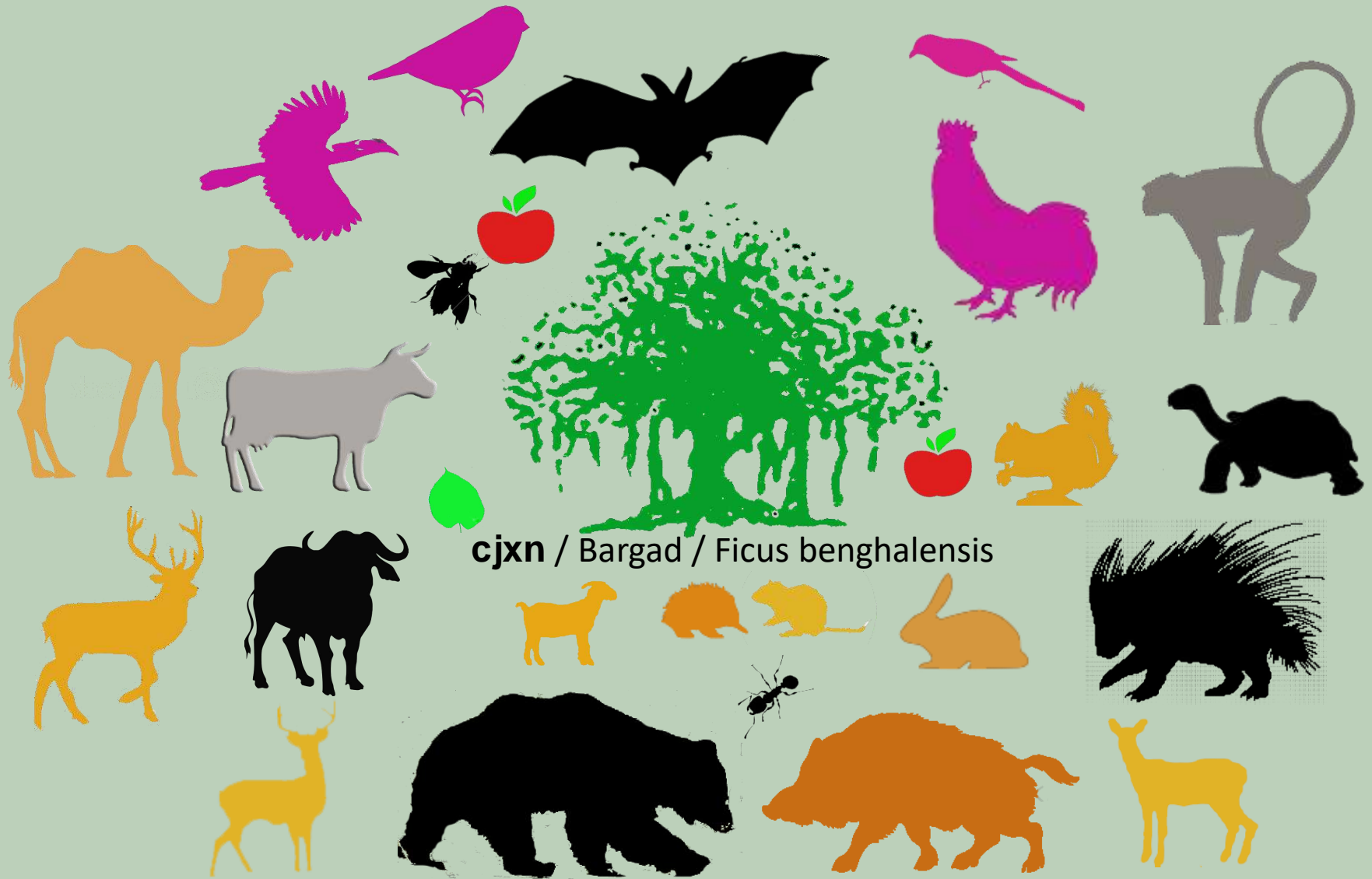
(image not factually authenticated)



/ksksd /Dhok / Anogeissus
pendula

The Banyan

(this is a representative image not factually authenticated)



Bush/Shrub ¹

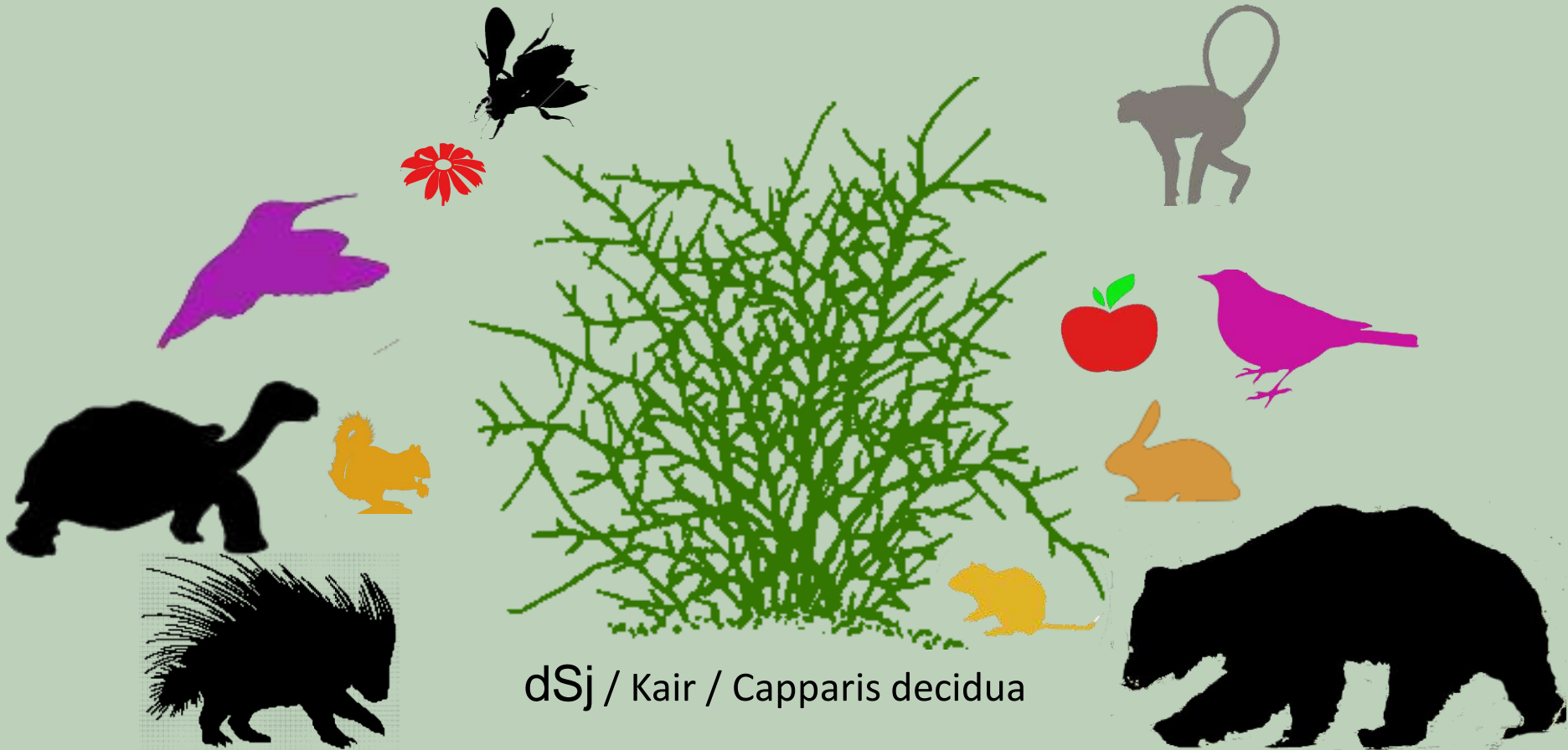
(this is a representative image not factually authenticated)



Qjkxfu / Farangani / Grewia tenax

Bush/Shrub₂

(this is a representative image not factually authenticated)



dSj / Kair / Capparis decidua

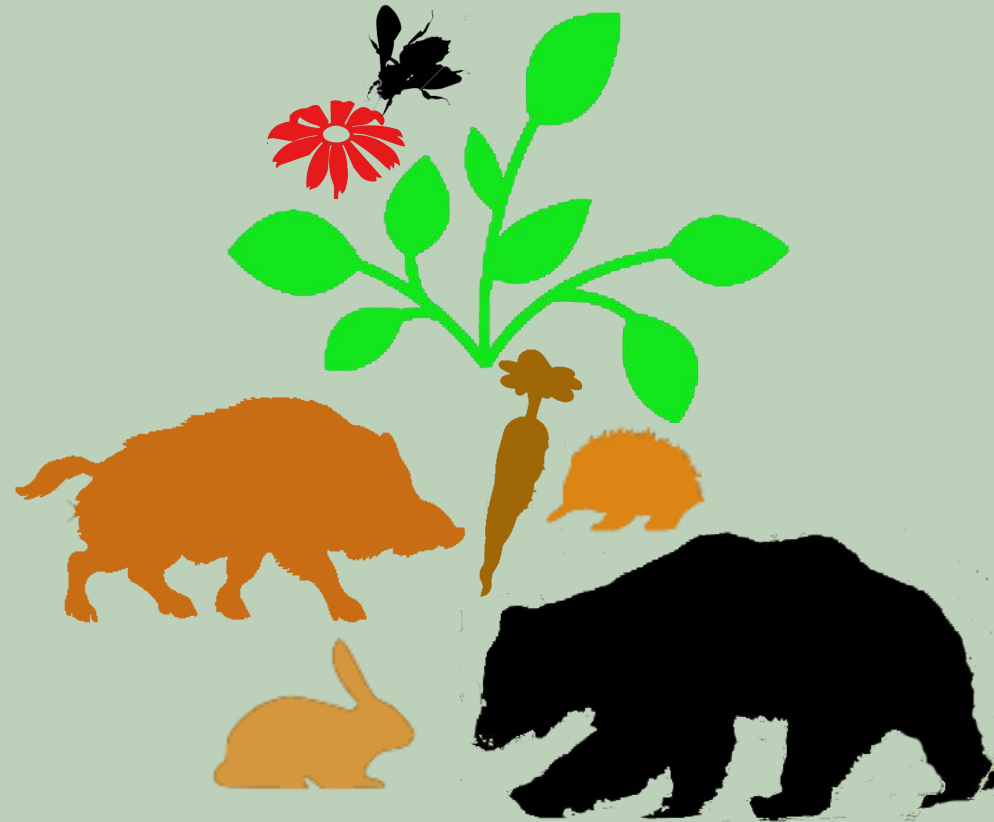
Plants

(this is a representative image not factually authenticated)



uxn ckoft

Nagad Bavji / *Urgenia indica*



dksfy dkaUnk

Koli Kanda / *Urgenia indica*

Climbers

(this is a representative image not factually authenticated)

fiyokfu cSy / Pilwani Bel / *Cocculus hirsutus*



lkyj cSy / Salar Bel / *Dendrophthoe fulcata*

Grass ₁

(this is a representative image not factually authenticated)



cqvkh / Buhari / Eremopogon foveolatus

Grass₂

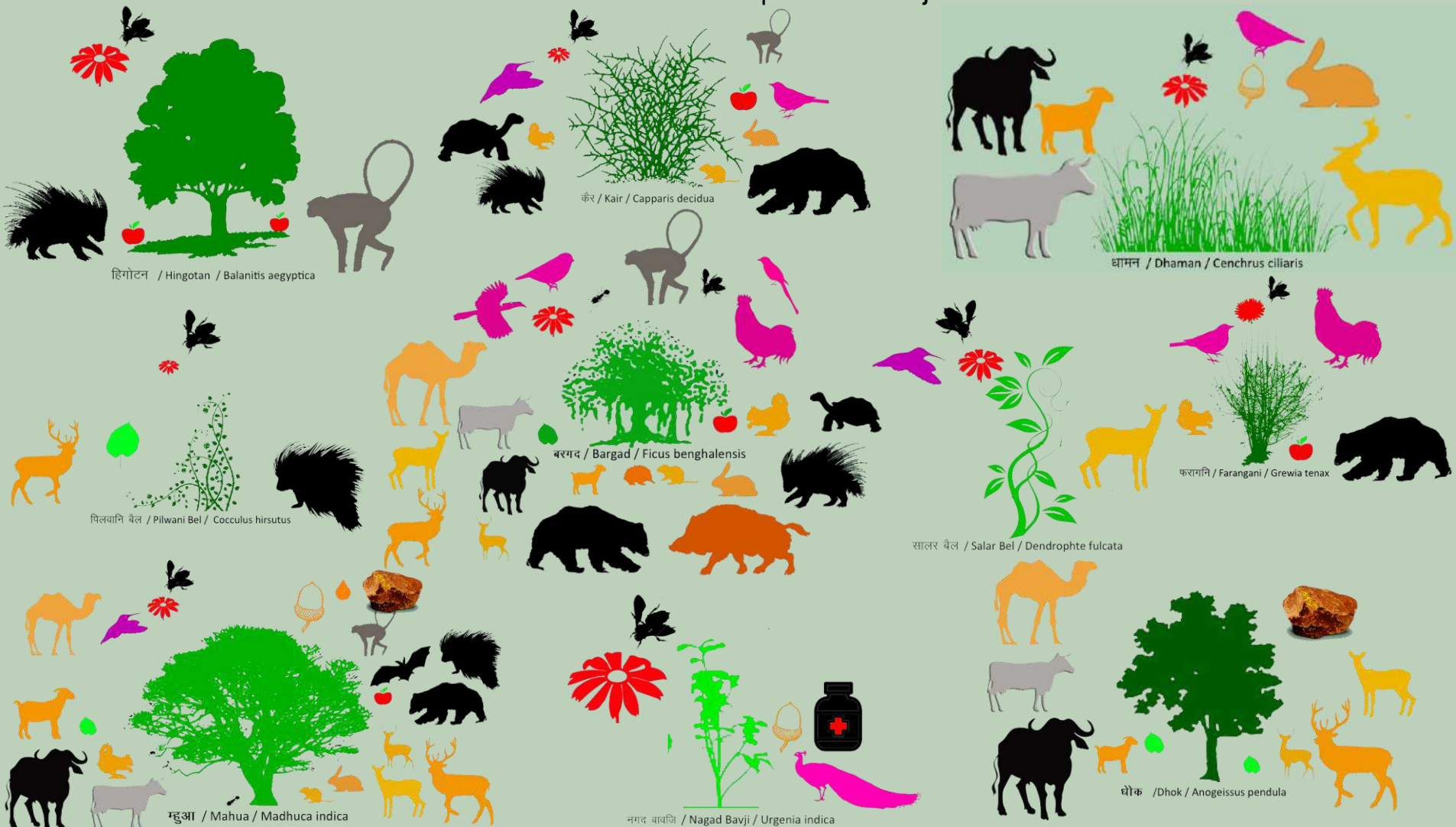
(this is a representative image not factually authenticated)



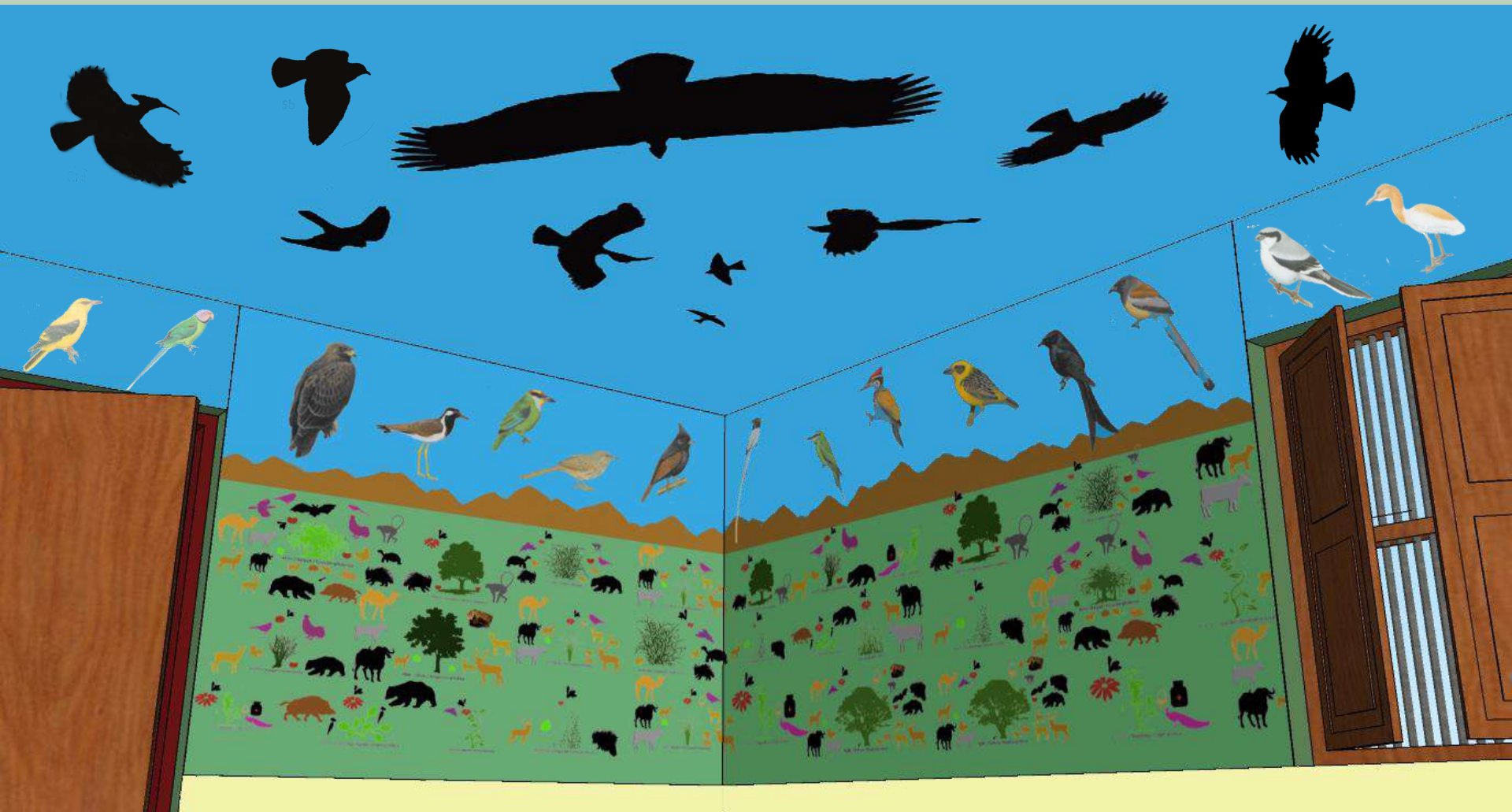
/kkeu / Dhaman / Cenchrus ciliaris

When these separate images are joined, the overall effect is that of a Forest
with its Trees, Shrubs, Plants, Climbers & Grasses
and all the other animals that feed on them.

These illustrations depict the Resource, the Biodiversity & the Web of Life it creates i.e.
who eats what: fofolrk @ fuHkZjrk



With over 100 species of Trees, Shrubs, Plants, Creepers & Grasses,
and over 100 species of birds & animals,
a visually interesting & dense graphic can be displayed
on the walls of the Interpretation Centre
in a way that it projects the richness of the Forest
with its unique Flora & Fauna.



Birds & Bird Watching

In the Interpretation Centre a visual display of endemic species of Birds.

Overhead In-Flight Bird Identification icons on the ceiling of Room One in the Interpretation Centre.

Display of photographs of Lakes & Water Birds in Todgarh Raoli Wildlife Sanctuary to encourage Outside Visitor to go & discover.

A display chart showing who has spotted which bird, when and where.
(to make few interested local people get involved by giving them “official recognition” for spotting birds.

Overhead In-Flight Bird Identification

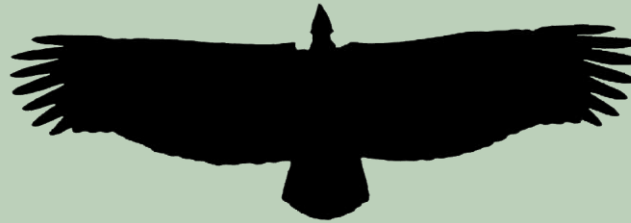
Martin



Treepie / Chida



Vulture Gidd



Hornbill



Eagle / Cheel



5b



Green Pigeon

Swallow



Baaj Falcon



Crow



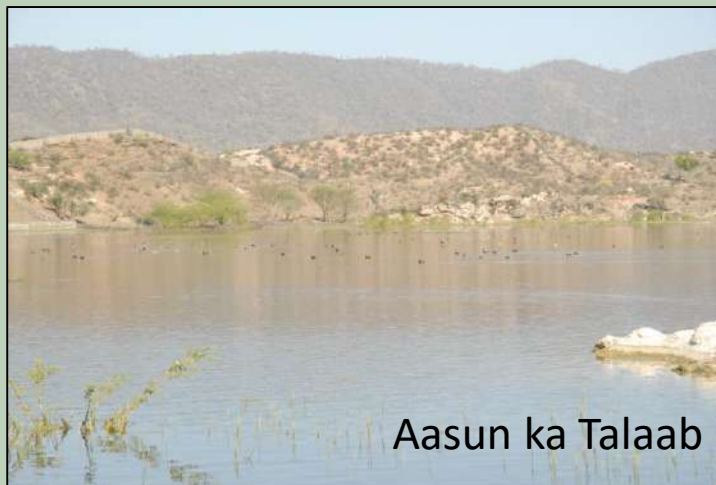
Interpretation Centre to Display Photographs of

Lakes & Water Birds

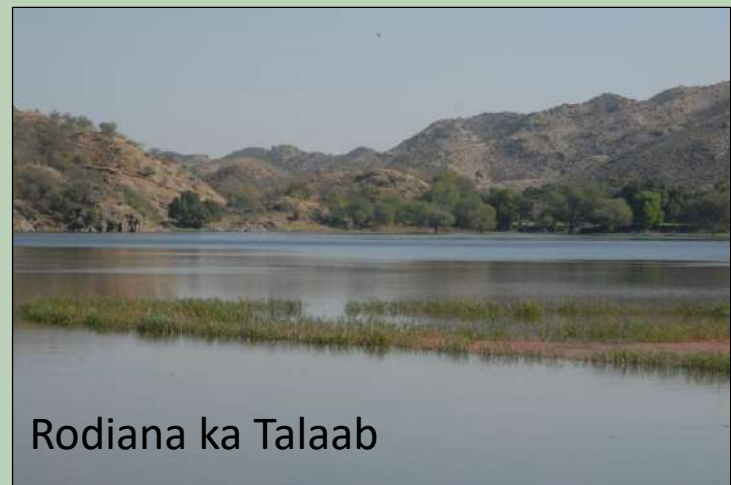
of the Todgarh Raoli Wildlife Snctuary



Raoli Lake



Aasun ka Talaab



Rodiana ka Talaab

Birding Register

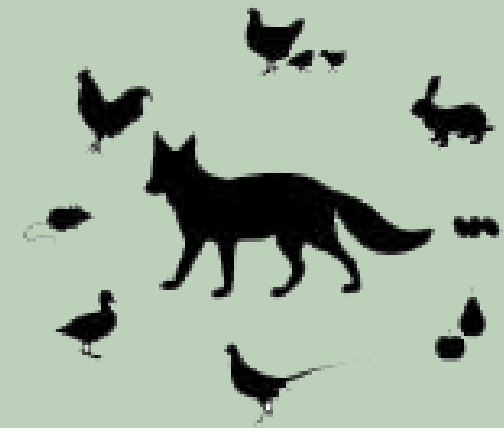
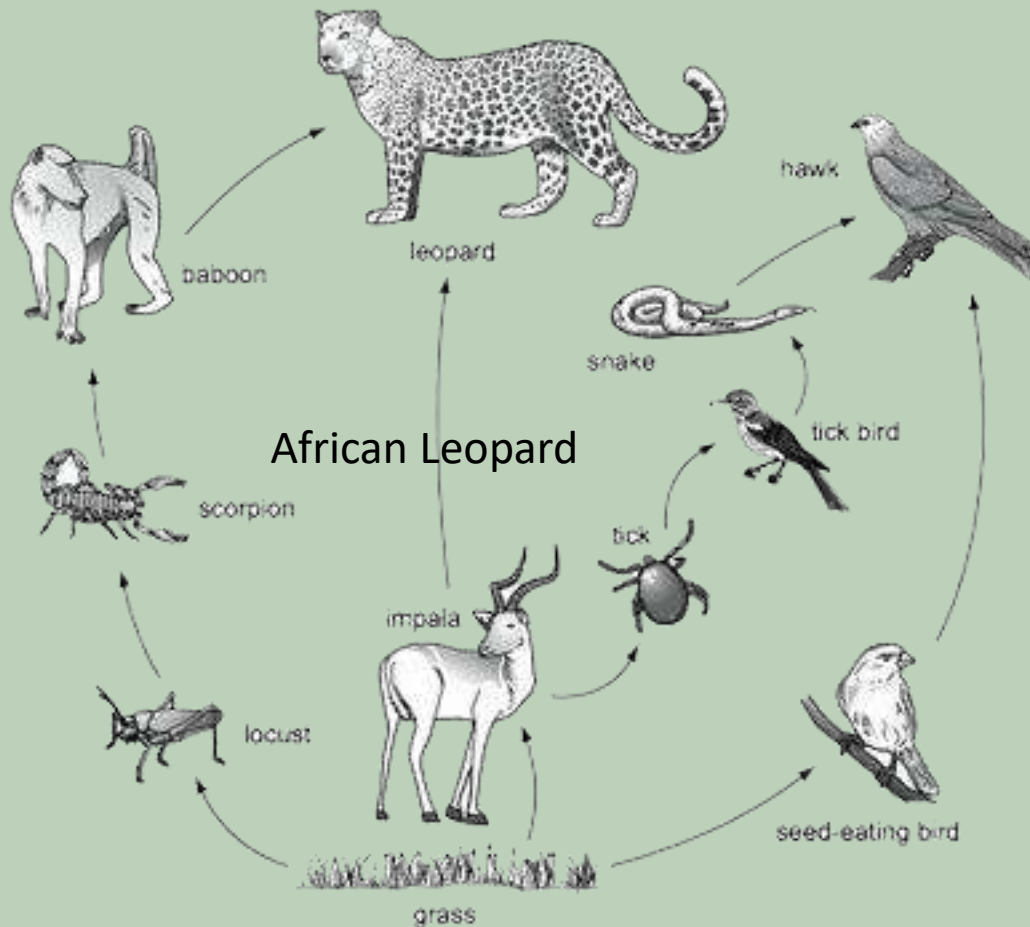
Interpretation Centre will maintain the Birding Register where due credit would be given to local people for confirmed sighting of the birds. It is hoped that this would give them a sense of pride and instill an abiding interest in Bird Watching.

A sample page is as underneath.

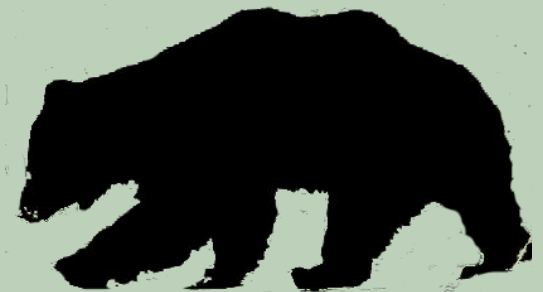
No	Date	Name of Bird	Location	Birder	Observations
1	1/1/12	Wooly Necked Crane	Roadian Talaab	ACF PS Chundawat	One solitary pair
2	2/2/12	Open Billed Stork	Dudhalia Talaab	ACF PS Chundawat	A flock of 7 storks
3	3/3/12	Golden Oriole	Eco Lodges	Pratap Singh	Eating banyan figs
4	4/4/12	Fan Tail Fly Catcher	Eco Lodges	Nihal Mathur	
5	5/5/12	Crested Bunting	Bhairu ki Naal	Balu Singh	Drinking water
6	6/6/12	Paradise Fly Catcher	Sunder Beri	Pratap Singh	Nesting Site
7	7/7/12	Grey Jungle Fowl	Kabardata	Forester Prema Ram	Flocks of more than 15
8	8/8/12	Rose Ringed Parakeets	Mahadev Temple	Pratap Singh	Nesting Site
9	7/9/12	Horn Bill	Eco Lodges	Pushkar Singh	
10	8/9/12	Green Pigeon	Eco Lodges	Rajendra Lal	Eating banyan figs
11	9/9/12	White Cheek Bulbul	Mahadev Temple	Balu Singh	

Food Chains

There is imagery available to explain this complex ecological idea but unfortunately it reflects a reality of African, American or European wildlife. We need to develop a visual idiom that represents our flora & fauna.



European Fox



No Visual available for
Indian Sloth Bear's Food
Chain

Interpretation Centre to develop

The Story of Col Tod's Trail

Going down a Forest Trail we usually get interesting bits of information
but it is generally presented in a disjointed manner.

The random bits need to be connected with a running thread of a Story that has
a beginning, a middle and an end with a clear ecological message.

By carefully selecting and pointing out small details on the Trail
we can bring alive larger ecological concepts in a simple and effective way.

We can connect the locally found Leaf, Flower, Fruit, Seed, Root, Trunk etc to a
world of native Insects, Reptiles, Amphibians, Birds and Mammals
in the process bringing out basic ideas of Biodiversity, Web of Life and Ecological Balance
that are woven into the Story as it unfolds on the Trail.

Different parts of the Story need to be fixed in locations in the Trail
so that a definite narrative could emerge.

Once there is a written script of what is to be told & where
then it would not be hard to train the Trail Guides.

The idea is to intertwine interesting facts of Natural History from the Todgarh Raoli Wildlife Sanctuary
with Ecological Concepts in a running Story that connects the parts to paint a big picture.

The challenge is to tell a complex story in an easy simple way.

Finally, the aim of the Story should be that the Visitor takes a concluding ecological lesson back home
to think about, ruminate and become part of the change.

Making Connections

Forests & Wild Animals



To Remind the Rural Audience & Inform the Urban Visitor
that once upon a time, there were Tigers here
because there were herds of Sambar & Chital.

The forests were thick & there was enough for these animals to eat.
Over the years, the trees & grasses have gone and with it the deer & the tiger.
Now the domestic animals compete with the wild ones for what is left.

There is also a sad story of the Star Tortoise
once abundant now rarely seen.



Making Connections

Wildlife & Tourism



To inform rural audience that
Wildlife Tourism is big business worldwide
because people like to see wild animals.
But few people come to Todgarh Raoli
because here the wild animals cannot be seen easily.
Bird Watching is also a serious business and
birders would gladly pay knowledgeable local guides
who could help them in photography of the birds.

Making Connections

Wildlife Tourism & Income Generation

To communicate to the Rural Audience
that if wild animals can be seen in the forests,
then more people will come,
which would mean:

- 01. More people employed at Eco Lodges
- 02. Income for Guides to take people on the Trails
- 03. Increased need for Jeeps & Drivers
- 04. Sell T-shirts, Caps & locally made Crafts
- 05. Sell locally made paintings of leopards
- 06. Birding & other special interest groups

Interpretation Centre: **THE BUILDING**

The Interpretation Centre should have 2 Rooms:

Room 1 / One depicts the Forest
Biodiversity & Web of Life
fofo|rk @ fuHkZjrk

Room 2 / Two used for computers
and screening of wildlife documentaries.
Small groups could see chosen documentaries as
and when they find convenient.

Multi-Media Requirements

A Desktop Computer

for digitizing data & photographs from the region

A Tablet

would be extremely useful on the Trail
when with a flick of a finger the Guide can show the picture
of a Fruit or Flower even when it is not in season.
Proper use of the tablet can bring alive a world of animals
that are normally not seen while walking down the Trail.

LCD Video Projector with Speakers & Screen

Ecopanions Society has a large library
of some of the best wildlife films & documentaries ever made

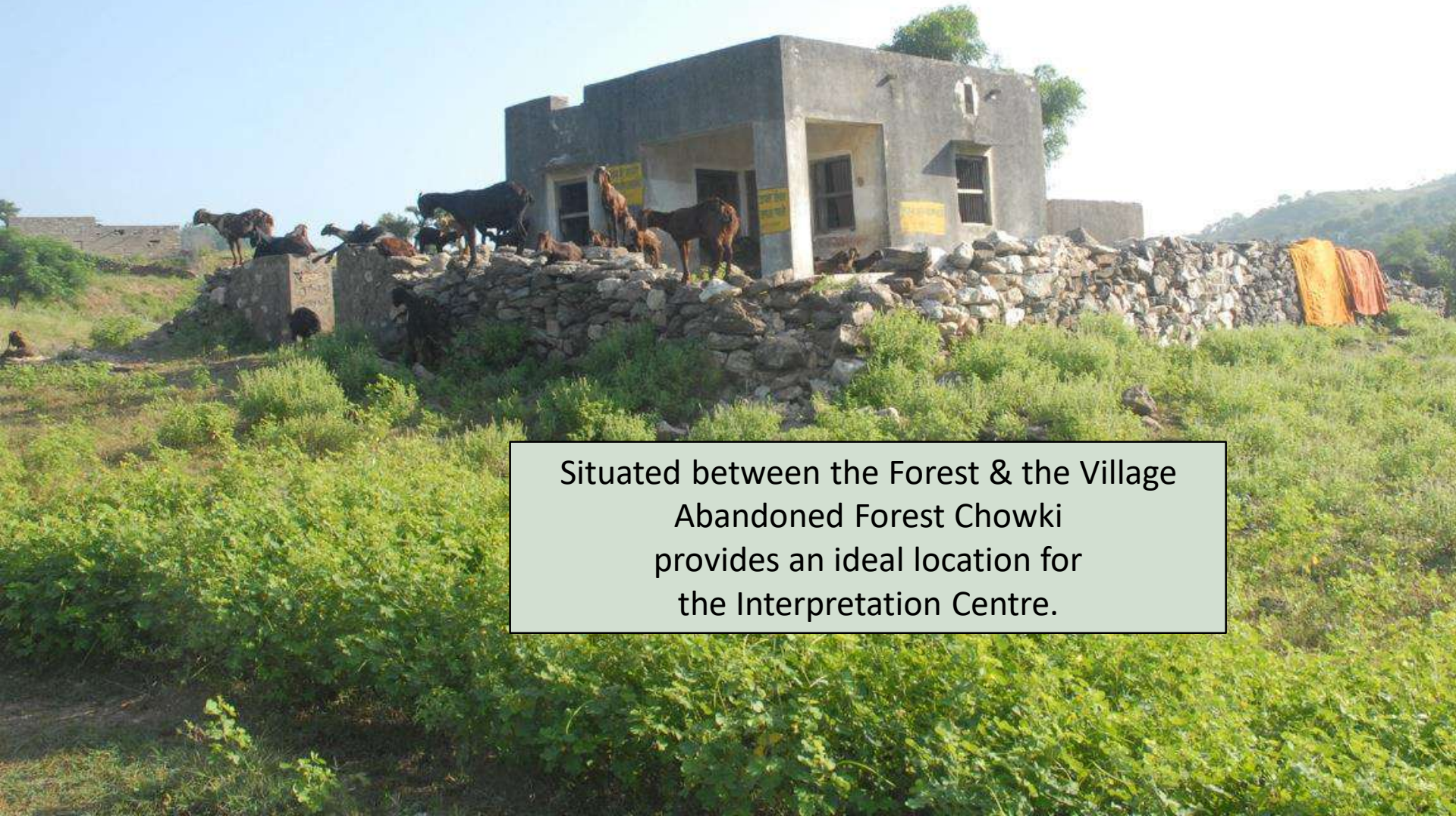
Inverter Back-Up

Digital Camera 10 Mega pix

Binoculars 10X50 DPS

Birds & Other Natural History Field Guides in Hindi

Abandoned Forest Chowki, Dudhalia Village
can be resurrected into an
Interpretation Centre or an



Situated between the Forest & the Village
Abandoned Forest Chowki
provides an ideal location for
the Interpretation Centre.

Present Condition of the Chowki



Benefits of Using the Chowki as The Interpretation Centre

It can be Restored and Developed.
Save on fresh Construction Costs
except for a Washroom
which needs to be built within the premises.
The Electric Pole is just outside the Chowki.
New Electricity Connection will not be difficult.
The Drinking Water well is nearby.

Interpretation Centre

A Hub of Disseminating Development Info

Ideally situated on the daily route
between the Road Head & the Village.
Chowki as the Interpretation Centre
has the potential to become the Hub
of the people of Dudhulia village as they go about their lives.
While coming & going,
the people could be encouraged
to stop by at the Interpretation Centre
to talk shop, gossip, update with Forest Dept, Learn about Conservation
and also see wildlife documentaries & other suitable films.
The Interpretation Centre can help local people stay in touch
with various specially designed programs
launched for the Awareness, Education & Participation of the rural people.
Future conservation activities could well begin at
The Interpretation Centre.
Like teaching bird watching and computers,
to selected young men & women to be trained guides & local experts
and take another route towards their Empowerment.

Staff Requirements Interpretation Centre



TEK EXPERT: **Pratap Singh**

Duties Include:

1. Research & Help Build Data Base
2. Guide on the Trail
3. Assist the Manager as an equal in rank



MANAGER CENTRE: **Balu Singh**

Duties Include:

1. Admin of the Centre,
2. Manage Computers
3. Screen Video Films

Both Local Residents & EDC Members

ACTION PLAN page 1

1. Research & Documentation

- A. Traditional Eco Knowledge Expert: Pratap Singh to help create data base
- B. Forest Expert: Satish Sharma perhaps? to help authenticate data base
- C. Seek inputs from Academics, Scientists, Naturalist, Birders etc to help enrich the project

2 Graphic Display

- A. Design Studio's Fee & Computer Consumables
- B. Production & Transportation of Displays to Dudhalia

3 Repair abandoned Forest Chowki

- A. Masonry / Electric / Plumbing (Washrooms) Repairs
- B. New Electricity Connection
- C. Fixtures and Furniture

ACTION PLAN page 2

4. Story of Col Tod's Trail for Eco Guide's Training

A. Write a running narrative of what is to be said and where so that Eco Guides could be trained from local people.

B. Training of 2 Apprentice Eco Guides

5. Purchase of Computers & Video Projection Systems

Desktop for Data Base & Screening of Wildlife Documentaries.

Tablet to be used by the Eco Guide on the Trail.

LCD Video Projector with Speakers & Screen

Digital Camera 10 Mega Pix Nikon Cool Pix

Binoculars 10X50 DPS

Field Guides in Hindi on Birds & other Natural History subjects.

6. Salary of 2 Local Staff

A. Salary to begin with the project for a period of two years

B. Service Rules / Conditions / Duties to be finalized

SCHEDULE / Work Timeline

April – 1st Oct 2012

1 st April – 30 th June	Research of Information
1 st May – 30 th July	Repair of Chowki
1 st July – 30 th Aug	Design & Production of Display
1 st – 30 th Sept	Installation of Displays
1 st -7 th October	Inauguration during Wildlife Week

BUDGET

Dudhleshwar Destination

Development of Interpretation Centre Rs. 9.65 Lacs

NO.	Description	Amount
1	Research & Data Base	Rs. 211,000
2	Graphic Display Ideas & Concepts	Rs. 125,000
3	Production, Transportation & Installation of the Display	Rs. 300,000
4	Story of Col Tod's Trail	Rs. 50,000
5	Computers & Video Projection Systems etc	Rs. 130,000
	Admin Costs 15%	Rs. 150,000
	Total	Rs. 965,000
	ADDITIONAL FUNDS required for	
1	Repairs of the Chowki	Rs. 200,000
2	Salary	Rs. 236,000
	TOTAL	Rs. 436,000

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an Initiative to Communicate
the Importance of Ecology
the Story of Resources and
the Lessons of Sustainability

Registration No. 345/Jaipur/2011-12

Nihal Mathur, Secretary

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