

SATPURA TIGER RESERVE

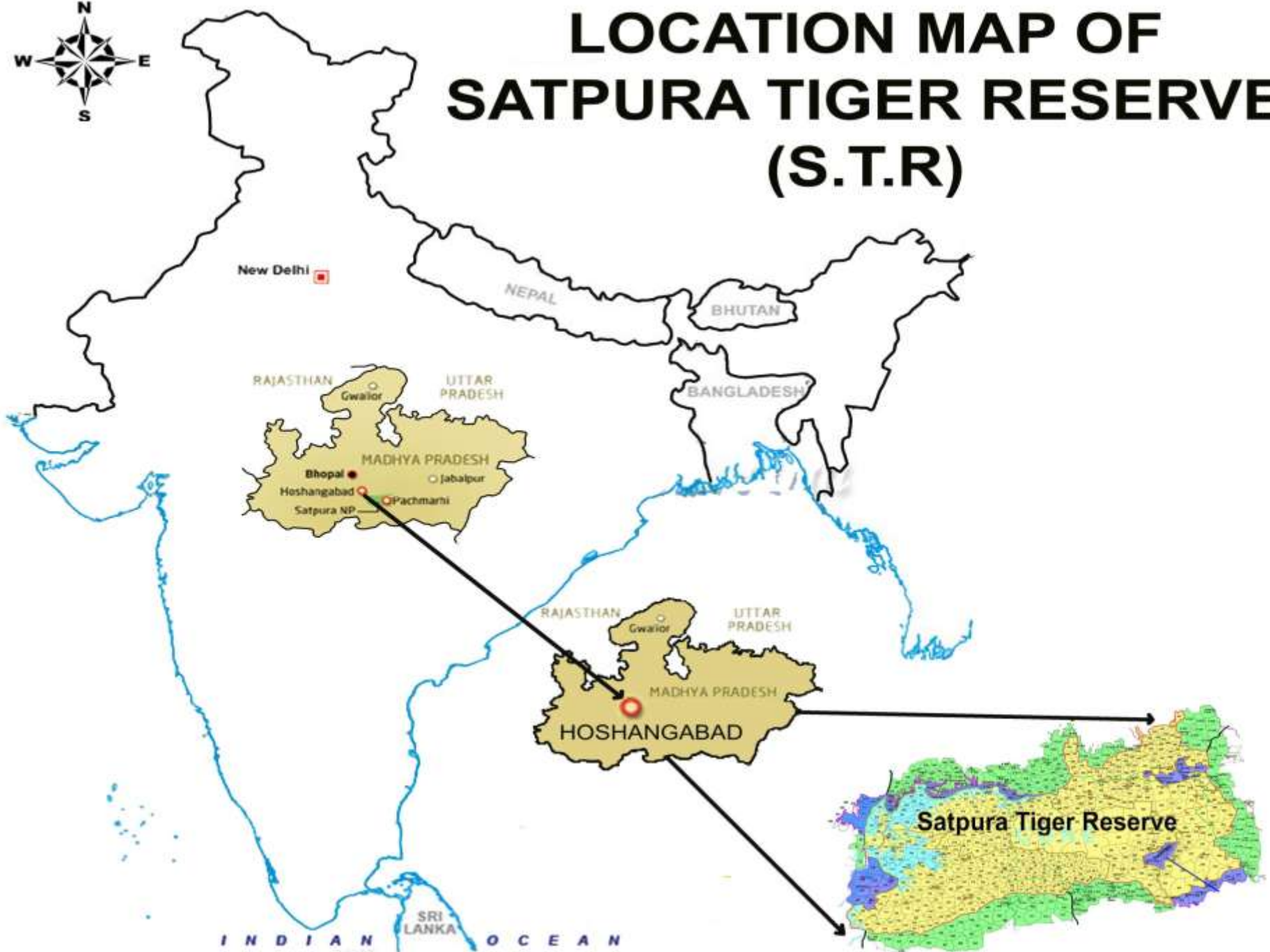


Village Relocation Process An Overview

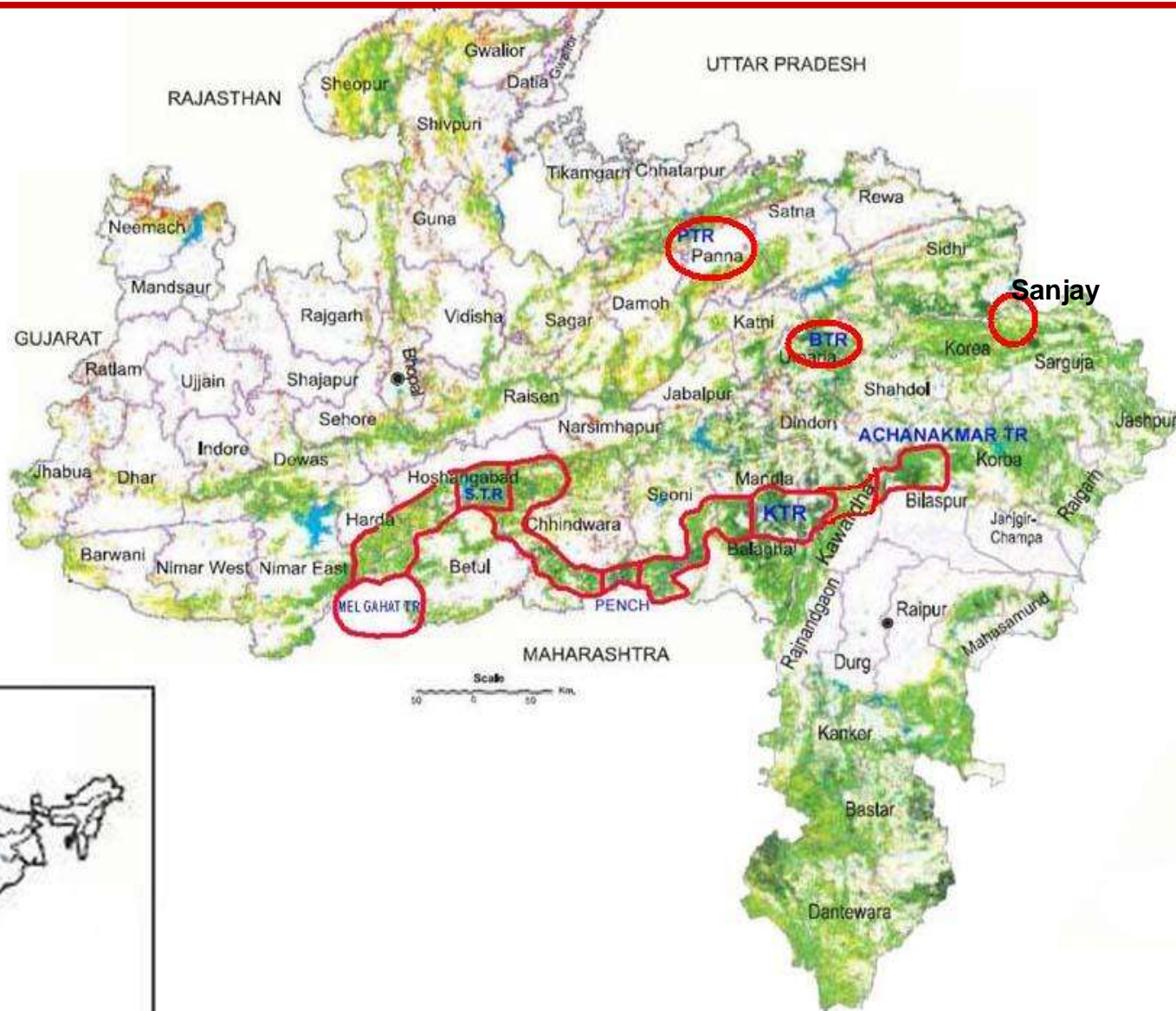
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- **Introduction of Satpura Tiger Reserve**
- **Inviolable area Concept**
- **Legal Provisions -Relocation of Villages**
- **Relocation Process**
- **Role of Park Managers**
- **Status of Relocation in STR**
- **Development of Relocated villages**
- **Habitat Development**

LOCATION MAP OF SATPURA TIGER RESERVE (S.T.R)



Location of Satpura Tiger Reserve in Satpura Landscape



Uniqueness of STR

- **Prime example of central Indian highlands ecosystem**
- **One of the richest gene pool**
- **Genetic super highway connecting North and South**
- **Prehistoric era Rock Shelters**
- **Biosphere reserve (First in M.P.)**
- **Part of Largest tiger inhabiting Forest Block**
- **Highest peaks of central India**
- **First notified Reserve forest of India**
- **Seven distinguished forest types**
- **Finest Teak Forest of India.**
- **Convergence of Sal and Teak forests.**

Conservation history

Year

Milestones

1869

Bori Reserve

1975

Bori Sanctuary.

1977

Bori & Pachmarhi Sanctuaries

1981

Satpura National Park

1- Satpura National Park

524.37 sq.km.

2- Pachmarhi Sanctuary

491.63 sq.km.

3- Bori Sanctuary

485.72 sq.km.

Satpura Tiger Reserve

(Total) 1501.72 sq.km.

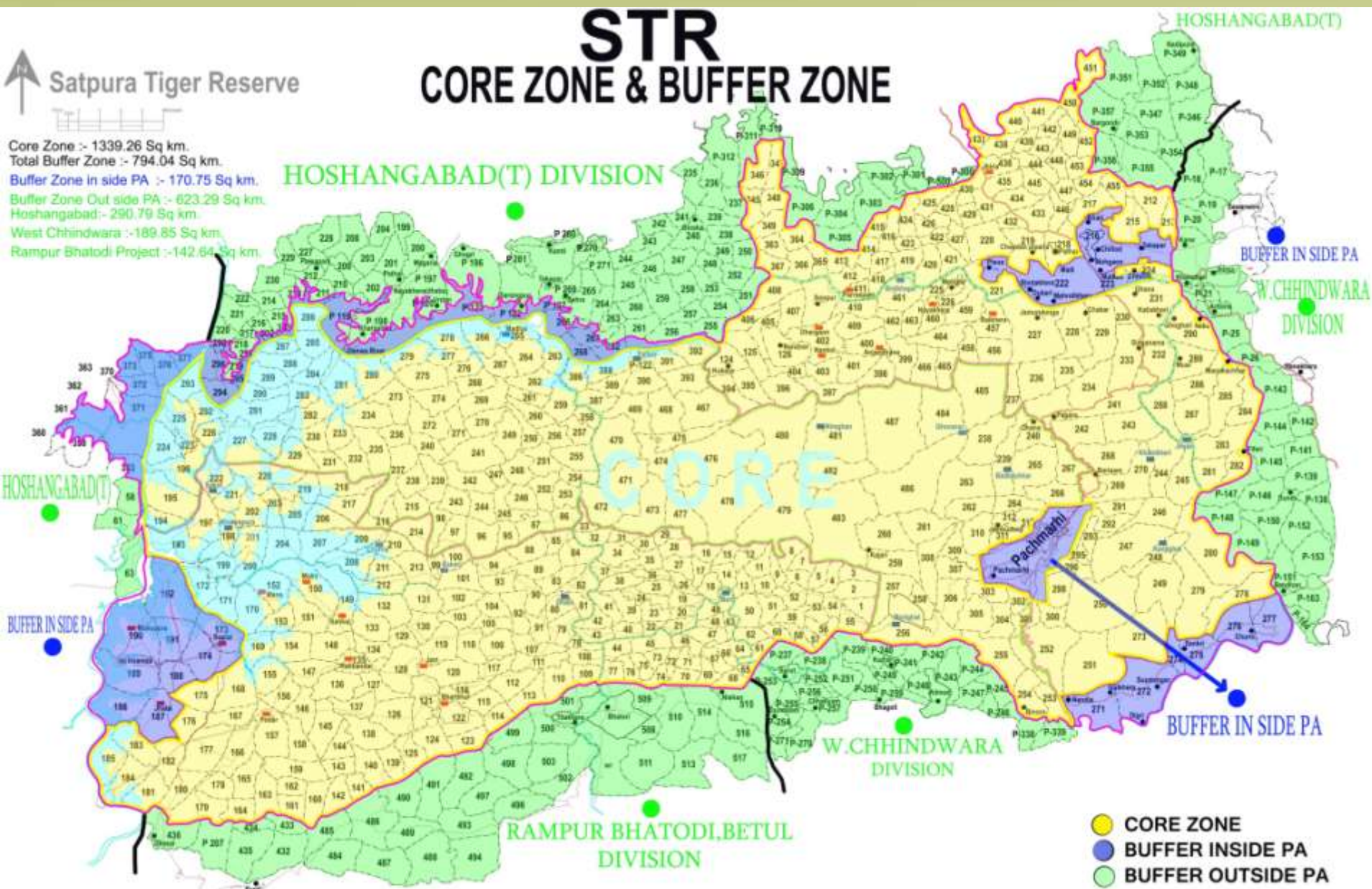
Conservation history

Year	Milestones
1999	Pachmarhi Biosphere Reserve
2000	Project Tiger 1486.31 Sq.km. (1501.72 sq.km.)
2007	Core Zone 1339.26 Sq.km.
2010	Buffer Zone 794.04 Sq.km. (Total Area:2133.30Sq.Km)
2013	Core and Buffer under unified control of F.D.
2017	Notification of Eco-Sensitive Zone



STR CORE ZONE & BUFFER ZONE

Core Zone :- 1339.26 Sq km.
 Total Buffer Zone :- 794.04 Sq km.
 Buffer Zone In side PA :- 170.75 Sq km.
 Buffer Zone Out side PA :- 623.29 Sq km.
 Hoshangabad:- 290.79 Sq km.
 West Chhindwara :- 189.85 Sq km.
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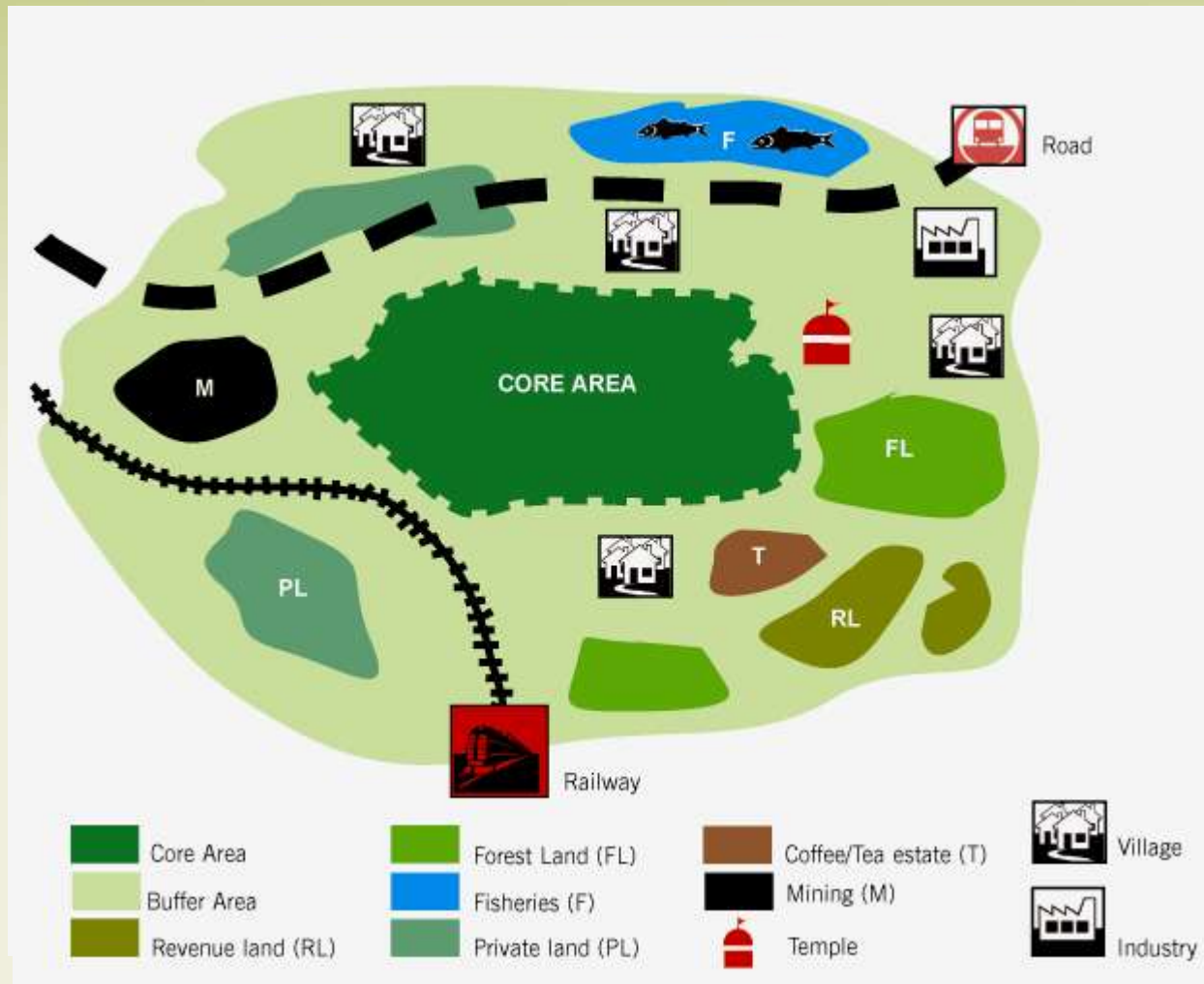


- CORE ZONE
- BUFFER INSIDE PA
- BUFFER OUTSIDE PA

Inviolable area Concept



Production sectors in a Tiger landscape

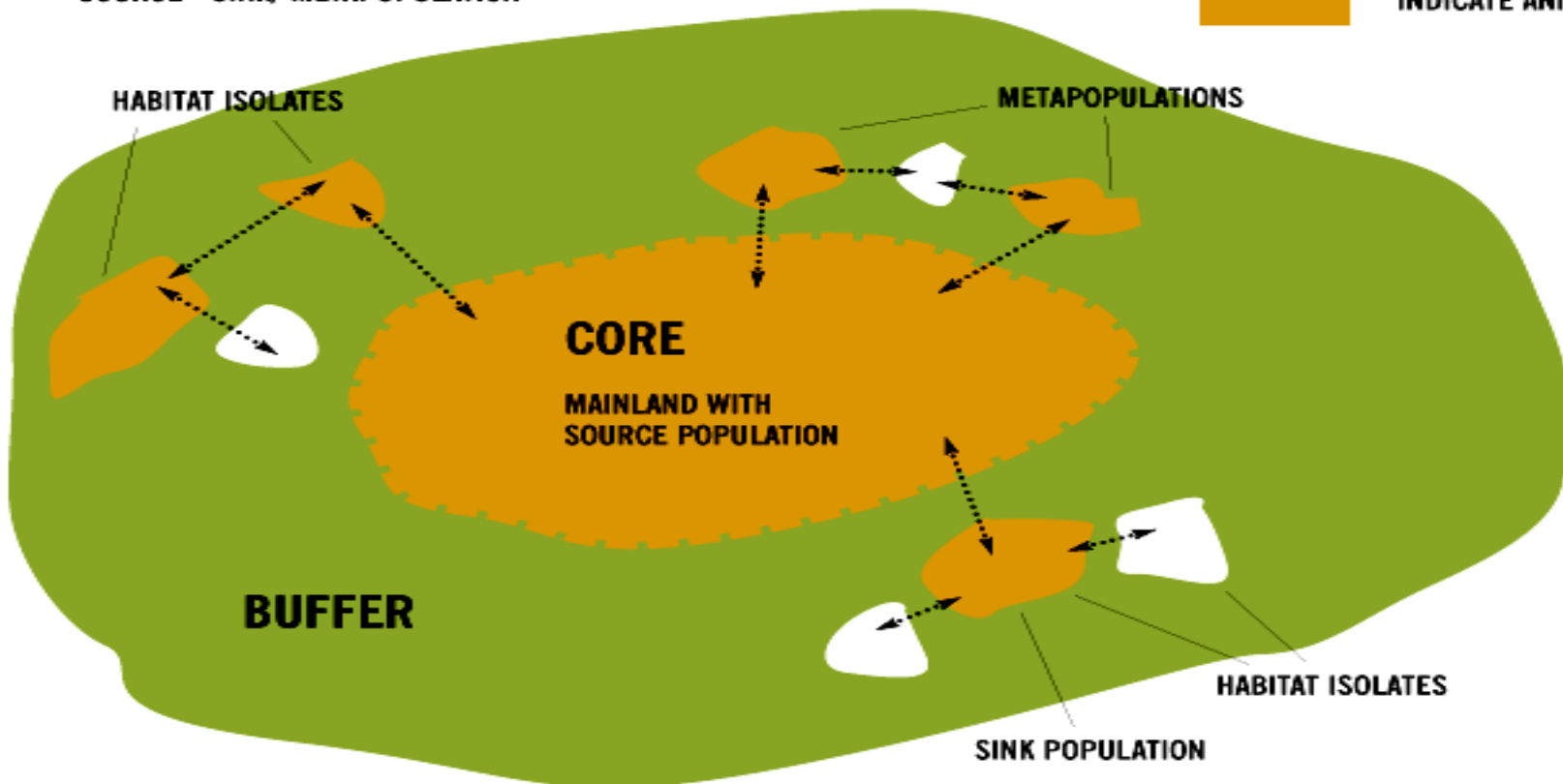


Need for Relocation

Creation of Minimum Inviolable Area-Core.
Creation of Coexistence Area-Buffer.

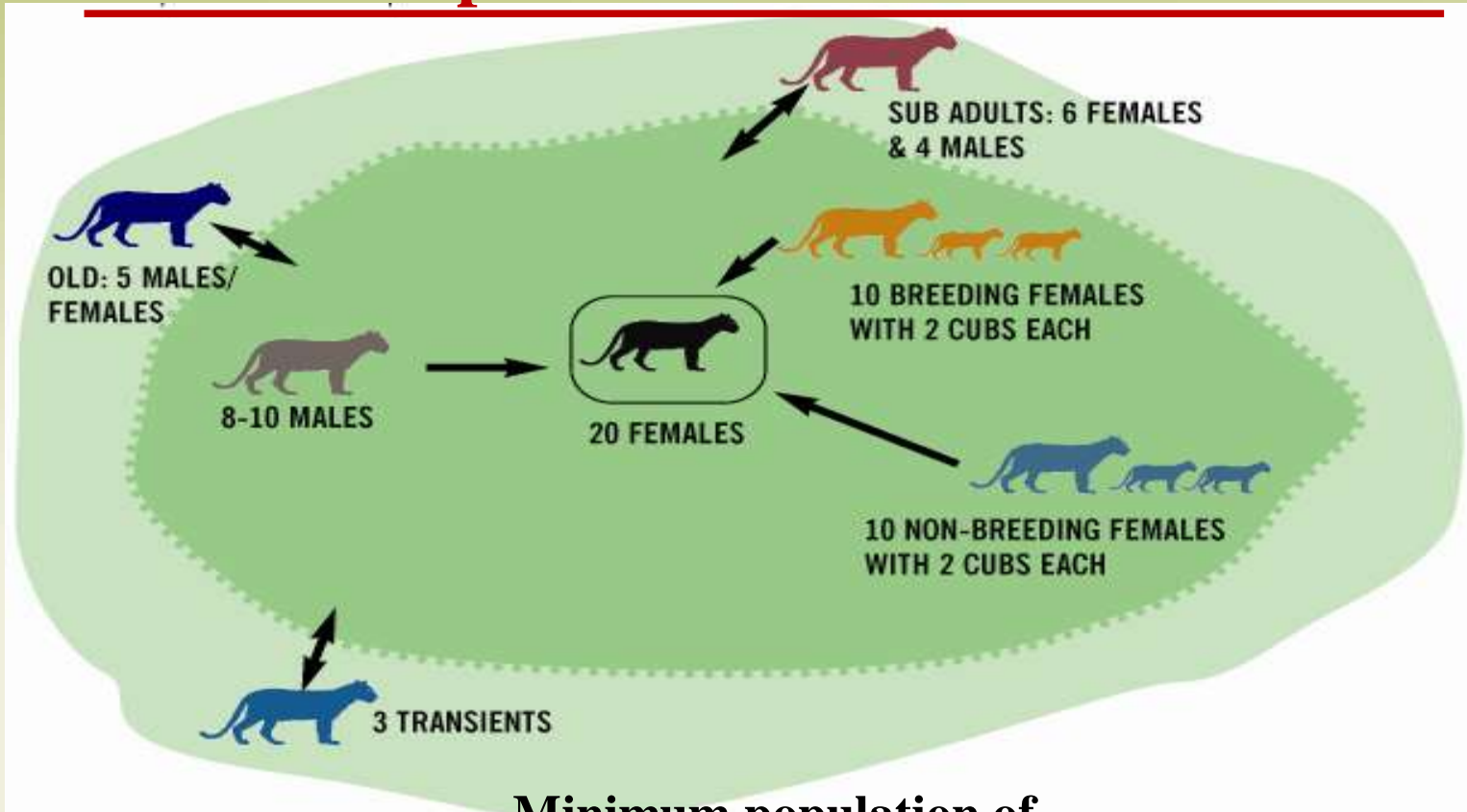
TIGER LAND TENURE DYNAMICS SOURCE - SINK/ METAPOPULATION

←-----→ INDICATE ANIMAL MOVEMENT
■ INDICATE ANIMAL PRESENCE



Tiger Land Tenure Dynamics

Importance of a buffer zone



Minimum population of tigers in breeding age needed for maintaining a viable population (80-100 tigers), which require an inviolate space of 800-1000 square kilometers.

VOLUNTARY VILLAGE RELOCATION

VOLUNTARY RELOCATION OF PEOPLE
ON “MUTUALLY AGREED TERMS AND
CONDITIONS” IN THE CORE/CRITICAL
TIGER HABITATS(CTH)

Relevant Legal Provisions

- **Core/Critical Tiger Habitat - Section 38V4(i) WPA ,1972**
- **Critical Wildlife Habitat-Section 2(b) of FRA,2006**
- **Buffer area- Section 38V4(ii) WPA ,1972**
- **Section 4(1)FRA,2006- recognizes and vests forest rights**
- **Section4(2)-(a)to(f)FRA,2006 -Rights can be settled outside CWH**
- **Acquisition of rights - Section 24,WPA ,1972**
- **Section 38V 5(i) to (vi) WPA ,1972- requirements for Voluntary relocation on “mutually agreed terms and conditions”**
 - Recognition and settlement of rights is complete**

Relevant Legal Provisions

- Scientific assessment of irreversible damage and existence of tigers**
- Other reasonable options of co-existence , are not available**
- Resettlement and alternative package as per National Relief and Rehabilitation Policy.**
- Informed consent of concerned Gram Sabhas and the beneficiaries to be obtained.**
- The facilities and land allocation at the resettlement location are provided.**

Village Relocation Process

- **Identification/Notification of Core or Critical Tiger Habitat(CTH)**
- **Establishing of CTH**
- **Identification of Villages**
- **Meeting of concerned Gram Sabha**
- **Information of Package- Option I and Option II**
- **Recognition/Settlement of Rights**
- **Budget provision**

Village Relocation Process

- **Constitution of Eligibility Determination committee**
- **Declaration of Cut-off date by Collector.**
- **Valuation of recognized rights/assets of villages**
- **Preparation of Village Relocation Plan**
- **FCA Proposal for land diversion case**
- **Deposit of money in Collector account**
- **Money transfer to Beneficiary bank account**

Village Relocation Unit

- **Family – Husband, Wife and Children below 18 years age**
- **Person above 18 years age**
- **Specially abled Person**
- **Orphan**

Field Implementation - Option I

Option I – Cash Rs 10 lakhs per Unit

(i) Forest Village: 10 lakhs – 2 lakhs in the joint saving account of Husband and wife and 8 lakhs in joint fixed deposit with Collector .

(ii) Revenue Village:

Option A- 10 lakhs (inclusive of the assets value) to be deposited in the beneficiary

Option B- Compensation as per asset value to the individual first and remaining amount distribute equally.

Field Implementation - Option II

Option II – Cash and Land – Rehabilitation through FD

No.	Head	% of the package
1	Agricultural land procurement and development	35%
2	Settlement of Rights	30%
3	House and homestead construction	20%
4	Incentive	5%
5	Community facilities	10%

- **Preparation Village Development Plan**
- **Village Relocation Monitoring Committee at Village level**
- **Remaining amount to be deposited in Gram sabha account**

Field Implementation

- **Opening joint savings account of Wife and Husband.**
- **Mechanism to get monthly interest to the beneficiary from the fixed deposits.**
- **Option I- time line to purchase land / house.**
- **Incase land/house purchase, amount to be given in draft.**
- **FD execute a MoU on stamp paper with beneficiary.**
- **Documentation of Individual records of all beneficiaries.**

Field Implementation

- **Issuing Certificate to all beneficiaries by Collector to avail all the benefits from different schemes**
- **Implementation of schemes through Gram Panchayat**
- **Creation of New Gram Panchayat**
- **Handholding of villages after relocation**
- **Monitoring by District level and State level Monitoring Committee**
- **Grievance redressal system**

Format for preparing a Village Relocation Plan

1.Introduction

- 1. Name of the TR**
- 2. Name of the village**
- 3. Total area of the village**
- 4. Legal status : Revenue/ Forest/ Other**
- 5. Summary**
 - 1.No. of families**
 - 2. Total human population**
 - 3. Total livestock population**
 - 4. Proposed site for relocation (for Option II)**
 - 5. Area of the proposed site and its legal status**
 - 6. Total allocation required**

Format for preparing a Village Relocation Plan

2.Details of families identified

3.Details relating to settlement of rights

4.Details of incentives provided

5.Description of relocation site (option II) with map

Format for preparing a Village Relocation Plan

6. Other related details

- Access to forest resources**
- Access to Irrigation facility**
- Access to Anganwadi/School**
- Access to Hospital**
- Access to fare price shop**
- Access to telecommunication facility**

7. Details of livelihood support and handholding

8. Grievance redressal system

District level Implementing Committee

- **District Collector** - **Chairman**
- **CEO** - **Member**
- **Representative officials from PWD,
Social Welfare, Tribal Dept., Health
Dept., Agriculture Dept., Education
Dept. Power & Irrigation Depts.** - **Members**
- **Deputy Director of the TR** - **Member Secretary**

State level Monitoring Committee

- **Chief Secretary of State** - **Chairman**
- **Secretaries of related depts.** - **Members**
- **PCCF&HoFF** - **Member**
- **Non-official members of respective TCF** - **Members**
- **CWLW** - **Member- Secretary**

Role of Park Managers

- **Declaration of CTH**
- **Village identification**
- **Following the legal Process**
- **Coordination with District administration**
- **Development of Relocated Villages**
- **Development of Relocated Sites**
- **Grievances Redressal system**
- **Handholding**

Co-ordination With District Administration

- **District Collector**
- **CEO, Zilha Panchayat**
- **Tribal Department**
- **School Education**
- **Health Department**
- **Agriculture**
- **Horticulture**
- **Fisheries**
- **Veterinary**
- **Skill development**
- **Women and Child Welfare**
- **Social Welfare**
- **Non-Conventional Energy**

STATUS OF RELOCATION IN STR

Status of village Relocation(July-2018)

Area	No. of villages		
	Villages existed earlier	Villages relocated	After relocation villages remained
Core	45	39	06
Buffer	20	07	13
Total	65	46	19

Out of 46 villages, 6 villages relocated from Satpura National Park, 19 from Pachmarhi sanctuary, 14 from Bori sanctuary and 07 from Buffer area.

Relocation Option

- **Option I – All Cash – 10 lakhs per relocation unit.**
- **Option II – Land and Cash**

	Type	Units	%
Option I	Cash	3203	69%
Option II	Land to land	1436	31%
	Total	4639	100%

Type of village	Type of village	Relocated units
Revenue	18	1415
Forest	28	3224
Total	46	4639



Satpura Tiger Reserve

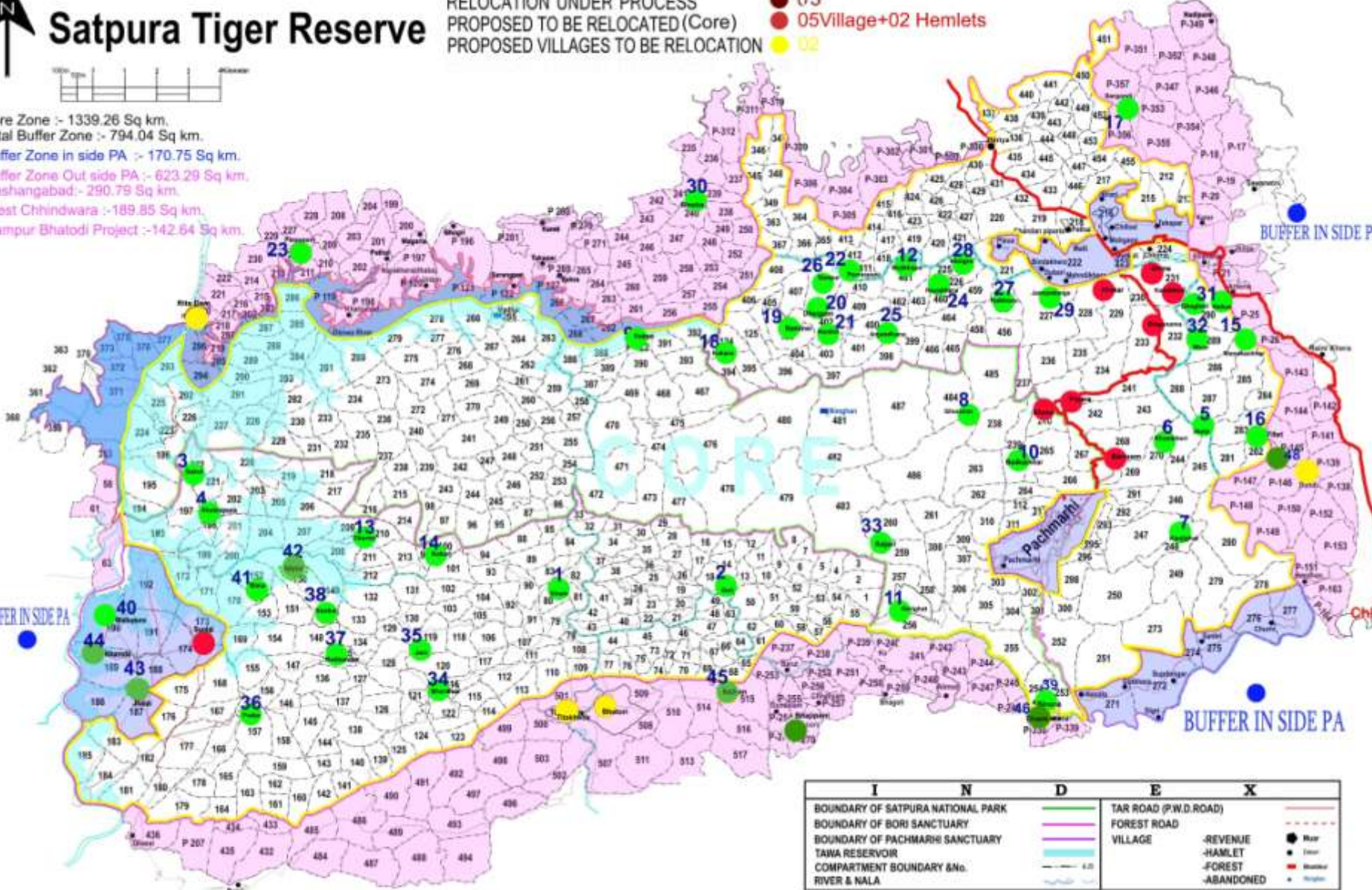


RELOCATION IN STR

- RELOCATED VILLAGES ● 46
- RELOCATION UNDER PROCESS ● 03
- PROPOSED TO BE RELOCATED (Core) ● 05 Village + 02 Hemlets
- PROPOSED VILLAGES TO BE RELOCATION ● 02

Status as on July 2018

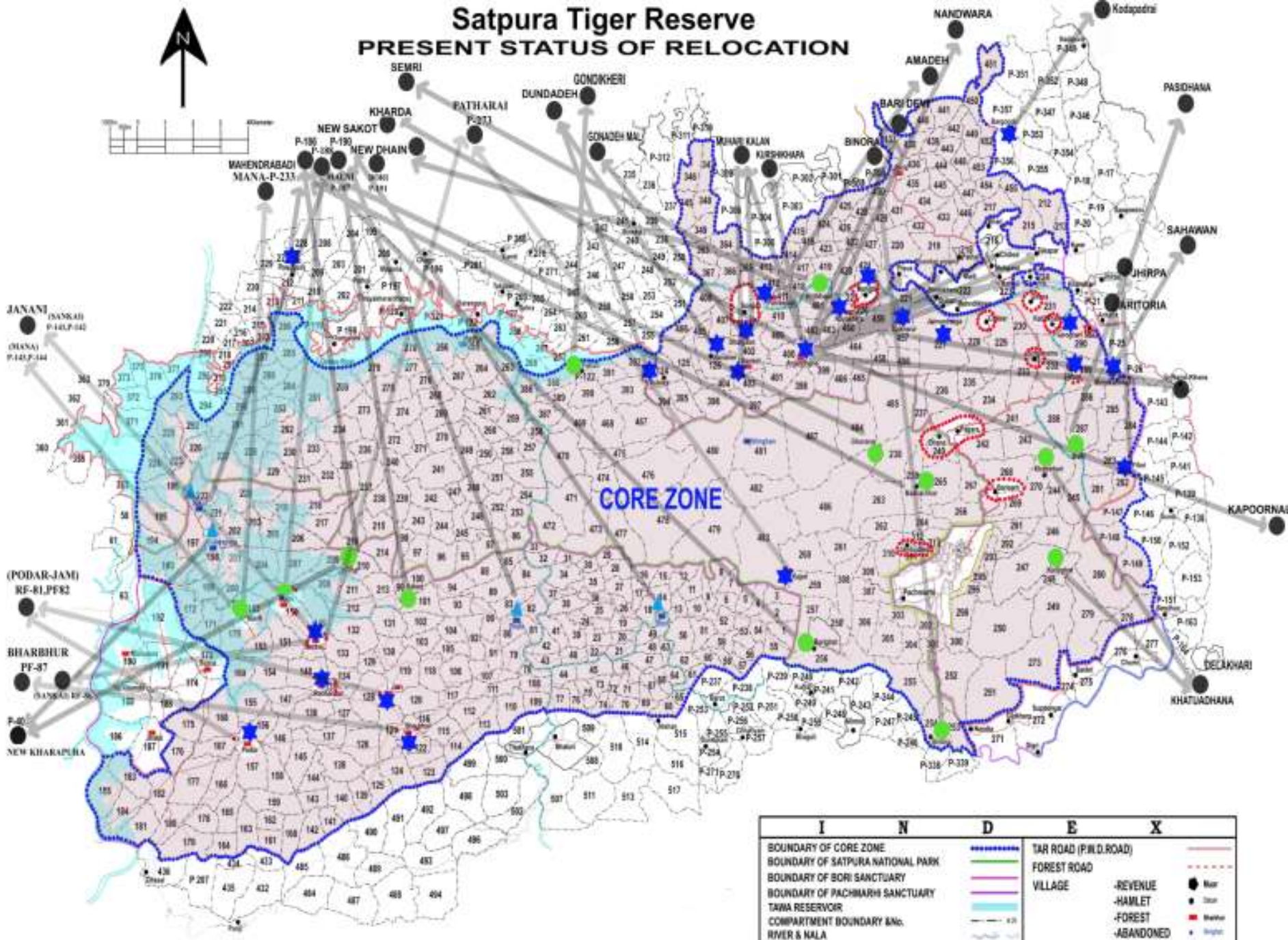
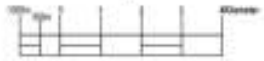
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I		N		D		E		X	
BOUNDARY OF SATPURA NATIONAL PARK					TAR ROAD (P.W.D. ROAD)				
BOUNDARY OF BORI SANCTUARY					FOREST ROAD				
BOUNDARY OF PACHMARHI SANCTUARY					VILLAGE				
TAWA RESERVOIR					-REVENUE ●				
COMPARTMENT BOUNDARY & No.					-HAMLET ●				
RIVER & NALA					-FOREST ●				
					-ABANDONED ●				

Satpura Tiger Reserve

PRESENT STATUS OF RELOCATION



I N D E X			
BOUNDARY OF CORE ZONE		TAR ROAD (P.W.D. ROAD)	
BOUNDARY OF SATPURA NATIONAL PARK		FOREST ROAD	
BOUNDARY OF BORI SANCTUARY		VILLAGE	
BOUNDARY OF PACHMARHI SANCTUARY		-REVENUE	
TAWA RESERVOIR		-HAMLET	
COMPARTMENT BOUNDARY & No.		-FOREST	
RIVER & NALA		-ABANDONED	

Process of relocation

- 1. Frequent meetings with villagers to win their consent and their confidence.**
- 2. Resolution passed by The Gram Sabha.**
- 3. Budget Provision .**
- 4. Frequent visits by Forest Officers.**
- 5. Recognition of rights as per FRA 2006**
- 6. Eligibility determination by SDM headed committee.**
- 7. Relocation in new land or purchased land.**
- 8. Payment to the beneficiary.**
- 9. Mainstreaming after relocation.**

Highlights

- **Maximum funding from M.P. State Govt.- More than 200 crore in 3 years.**
- **Funding from various sources- Tribal Deptt. & Forest Deptt. Fund.**
- **Development of Grasslands in Vacated Village sites.**
- **9739.47 Ha area added to Park management**
- **2856.86Ha area diverted under FCA for relocation**

Confidence building - Medical checkup





CS/PS/PCCF/FD Meeting with villagers



Visit to relocated village Ratibandar - H'ble CM of MP



Standard of living of the villagers pre-relocation



Village relocation



DEVELOPMENT OF RELOCATED VILLAGE

Basic facilities at the new site



Leveling of lands to facilitate farming for the relocated villagers



Construction of house by villagers



Community centre



Solar pump



Solar street light



**Solar
water
Pump**



**Hand
pump**

**DHARGANW KE PASS
ANJANDHANA**



Electricity & development works in relocated villages



New Churna



Concrete houses, roads and electricity connection in the villages post-relocation



Better education for the relocated children



The villagers bought tractors post-relocation



**Provided insecticide spray
to the relocated villagers**



**Provided Improved seeds
to the relocated villagers**



Cooking gas -PM Ujjwala Scheme



Training tour for better farming



Mushroom farming training



Training on preparation of organic fertilizer



Improved Agriculture



Improved Agriculture



Prosperity after relocation



Land levelling, agricultural land development works, provisioning of irrigation etc. has shown valuable results

Improved Agriculture in relocated village



Green house



Tractor

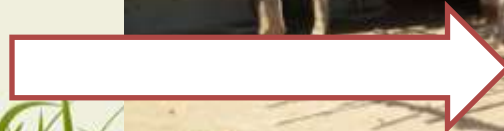


Storage water

Homestead in a Relocated Site



Hybrid cattle



Women Participation



National Sports Day



National Sports Day



Public grievances meeting





Utilizing CSR opportunities

- **RBS Foundation & Indian Grameen Services – adopted 12 Villages with 2.1 crore**
- **Reliance Foundation’s Bharat India Jodo (BIJ) Initiative – adopted 7 Villages**
- **Donation of winter clothes to children by local NGO in Dec 2014 – Jan 2015**
- **Involvement of agencies like local Security Paper Mill Energy to provide solar street lights at new sites**
- **Micro Irrigation Systems in Villages by IFFCO**

Handholding after relocation

- **Mukhya Mantri Awas Yojana**
- **Gram Sadak Yojana**
- **Jan Bhagidhari Yojana**
- **Agriculture department – e.g. Surajdhara Scheme and Annapurna Scheme**
- **Horticulture department – e.g. drip irrigation**
- **Some other works done:**
 - **Tubewells for drinking water**
 - **Constuction of Anganwadi, schools, health centre etc.**

Key Effects of Relocation

- **Large part (except few families) of population is happy with the relocation process**
- **Majority of the facilities have been provided by the respective authority**
- **Continuous Mentorship from the Forest Dept. helped villagers in taking informed decision**
- **Living close to the vicinity of cities allows them great no. of opportunities**

Key Effects of Relocation

- Most of the families have started their new phase of life
- They consider relocation to be helpful in raising the standard of living
- All the basic amenities like Health and Education within reach has helped in creating a well balanced society
- Only water issues (for irrigation purpose) cropped up after relocating the villages
- **More Villages are willing to to be relocated**

Current Issues Relocation

- **More demand for Land Option**
Availability of Suitable land and Diversion process
- **Increasing Land Prices**
- **Differential unit cost for each TR**
- **Additional resources for Option 1 for village development**
- **Additional resources for development of relocated sites**
- **Handholding –Continuous process**

Reasons for Successful Relocation in STR

- **Strong Co-ordination at District and State level**
- **Budget Provision**
- **Combination of Option I and Option II**
- **Land Diversion under FCA for relocation**
- **Support from Public representatives**
- **Good grievance system**
- **Use of Park tourism fund for village development**

Reasons for Successful Relocation in STR

- **Involvement of NGO's**
- **Strong monitoring by Senior Officers**
- **Involvement of all the development departments**
- **Development works in Option I villages**
- **Use Park Development Fund in Relocated villages**
- **Continuous Hand Holding**

Who matters in Relocation

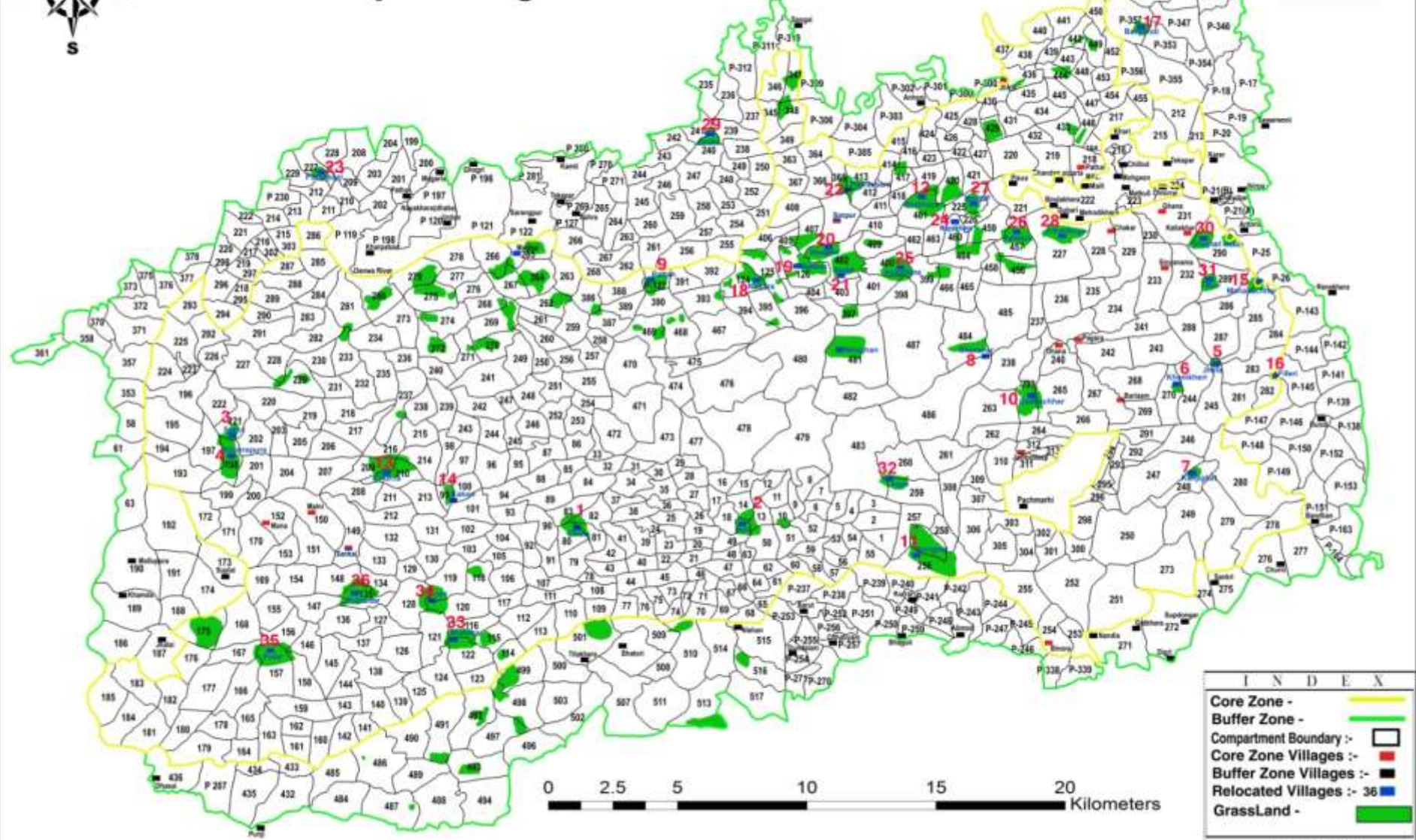
- **Villagers**
- **People's Representatives**
- **Field Staff**
- **District Administration**
- **Senior Officers of Forest and Administration**
- **Media**
- **NGO'S**
- **Local leadership**

HABITAT DEVELOPMENT WORKS





Satpura Tiger Reserve - Grasslands



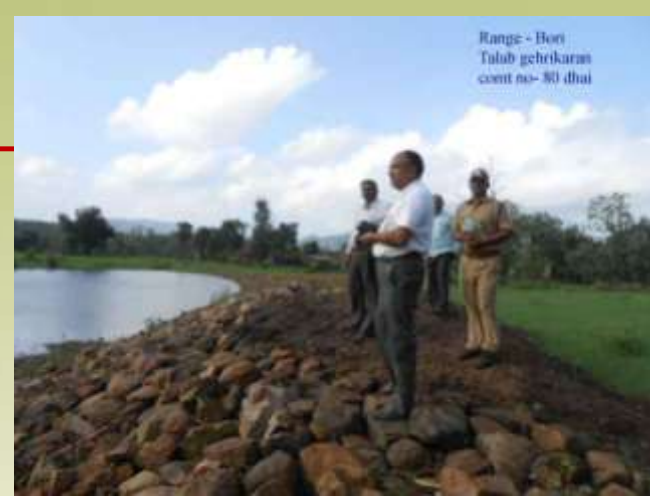
INDEX	
Core Zone -	Yellow line
Buffer Zone -	Green line
Compartment Boundary :-	Black line
Core Zone Villages :-	Red square
Buffer Zone Villages :-	Black square
Relocated Villages :-	Blue square
GrassLand -	Green area

0 2.5 5 10 15 20 Kilometers

DR. ANISH WANI

Habitat development

- Waterhole development and maintenance.
- Fencing at the nesting sites of migratory birds .
- Lantana eradication.
- Corridor development for wild life.
- Construction of dykes.



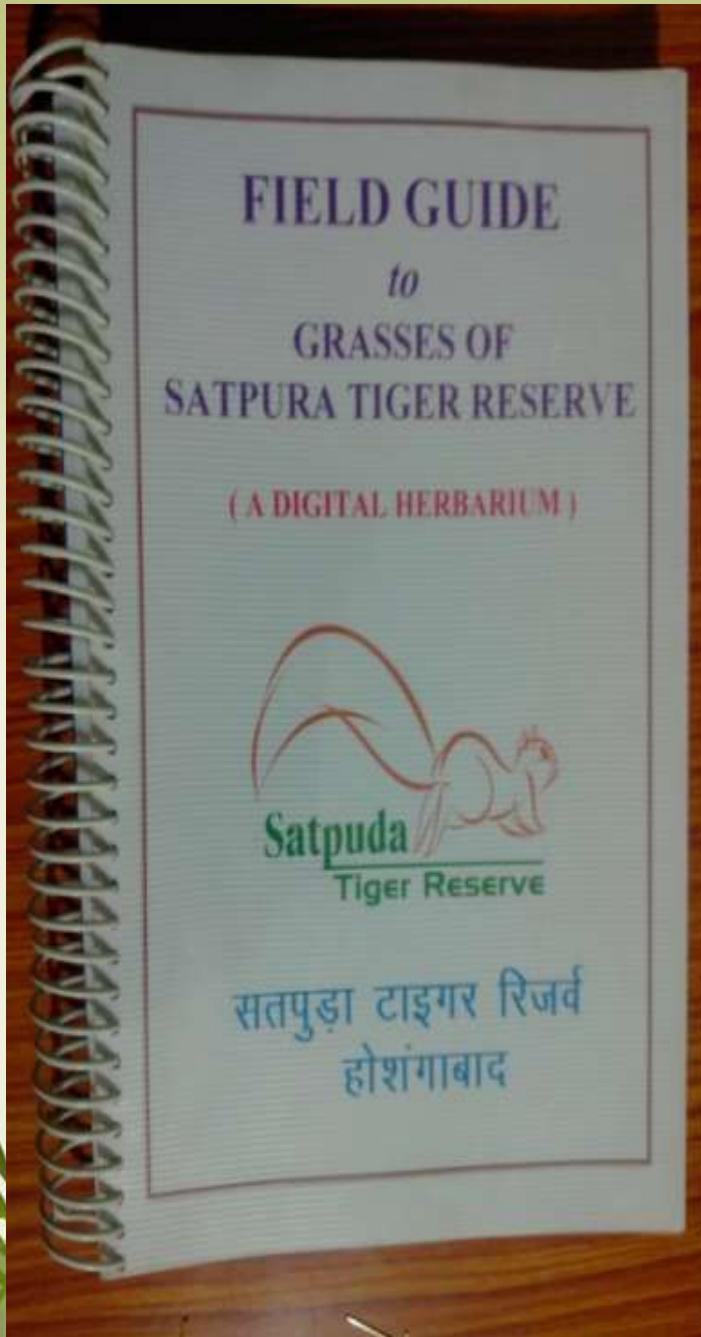
Development of Water Sources at Relocated sites.



Field Training



Documentation



Glimpses of Grassland Development



Grassland development



Spotted deer restocking programme





Densities Of Principal Prey Species In STR

(SFRI-2017)

Year	Chital	Sambar	Nilgai	Wild Pig	Langur	Gaur	Chinkara	Barking Deer	Total
2016	8.5	7.5	2.8	16.6	55.4	7.5	0.6	2.6	101.50
2017	8.4	10.1	2.0	22.3	61.8	8.6	0.71	4.6	118.51

Impacts of Relocation in STR

- Increase in Inviolable area
- Increase in Ungulates and Tigers
- Reduction in Forest offence Cases
- Reduction in Biotic pressure on TR
- Less Man-Animal Conflict

**Ideal Habitat for Wildlife in Central Indian
Landscape**

Awards

1.NTCA Award for Excellence for Relocation of Villages – 2011-12.

2.GOI and UNDP Awarded “India Biodiversity Award – 2014”

3.NTCA Award for Excellence for Relocation of Villages - 2016.



Runner Up
India Biodiversity Awards 2014

Satpura Tiger Reserve, Madhya Pradesh
In the Protected Areas Category

Man Prasad
Chairman
National Biodiversity Authority

Uma Shankar
Joint Secretary (Conservation and
Wildlife Research) Department of Environment, Forest and
Climate Change, Government of India



BIODIVERSITY AWARDS

NTCA Award for Excellence -2016



Biology is easy, its only Human Ecology



THANK YOU



L.KRISHNAMOORTHY.IFS
CCF&FIELD DIRECTOR
KANHA TIGER RESERVE