



Ministry of Environment, Forest and  
Climate Change

# Zoological Survey of India

## MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

Dr Kailash Chandra

Director

Zoological Survey of India

[kailash611@rediffmail.com](mailto:kailash611@rediffmail.com)

Mob. 8902462801

Off. 033-24008595

033-24006893





Ministry of Environment, Forest and  
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# ZOOLOGICAL SURVEY OF INDIA

**HEADQUARTER & REGIONAL CENTRES**

**Zoological Survey of India**

**Headquarter, ZSI**

**NRC, ZSI, Dehradun**

**DRC, ZSI, Jodhpur**

**WRC, ZSI, Pune**

**HARC, ZSI, Solan**

**WGRC, ZSI, Kozhikode**

**SRC, ZSI, Chennai**

**FBRC, ZSI, Hyderabad**

**MBRC, ZSI, Chennai**

**High Altitude Regional Centre, Solan**

**Western Regional Centre, Dehradun**

**Desert Regional Centre, Jodhpur**

**Andhra Pradesh Regional Centre, Itanagar**

**Central Zone Regional Centre, Jabalpur**

**HEADQUARTER KOLKATA**

**Sunderbans Regional Centre, Canning**

**Marine Aquarium and Regional Centre, Digha**

**Marine Biology Regional Centre, Gopalpur**

**Freshwater Biology Regional Centre, Hyderabad**

**Marine Biology Regional Centre, Southern Regional Centre, Chennai**

**Western Ghats Regional Centre, Kozhikode**

**Andaman and Nicobar Regional Centre, Port Blair**

**SRC, ZSI, Canning**

**NERC, ZSI, Shillong**

**CZRC, ZSI, Jabalpur**

**GPBC, ZSI, Patna**

**EBRC, ZSI, Gopalpur**

**ANRC, ZSI, Port Blair**

**APRC, ZSI, Itanagar**

**MARC, ZSI, Digha**

Prani Vigyan Bhavan, M-Block, New Alipore, Kolkata , West Bengal-700053

[www.zsi.gov.in](http://www.zsi.gov.in)

# Primary Objectives

# Secondary Objectives

Exploration, Survey, Inventorying and Monitoring of faunal diversity in various

States, Ecosystems and Protected areas of India.

Taxonomic studies of all faunal components collected.

Periodic review of the Status of Threatened and Endemic species.

Preparation of Red Data Book, Fauna of India and Fauna of States.

Bio-ecological studies on selected important communities/ species.

Preparation of databases for the recorded species of the country.

Maintenance & Development of National Zoological Collection

Training and Capacity Building

Faunal Identification, Advisory services and Library Services.

Publication of Fauna of India and Fauna of States.

Environmental Impact Assessment Studies.

Maintenance and Development of Museum at Headquarters and Regional Stations.

Development of ENVIS and CITES Centers.

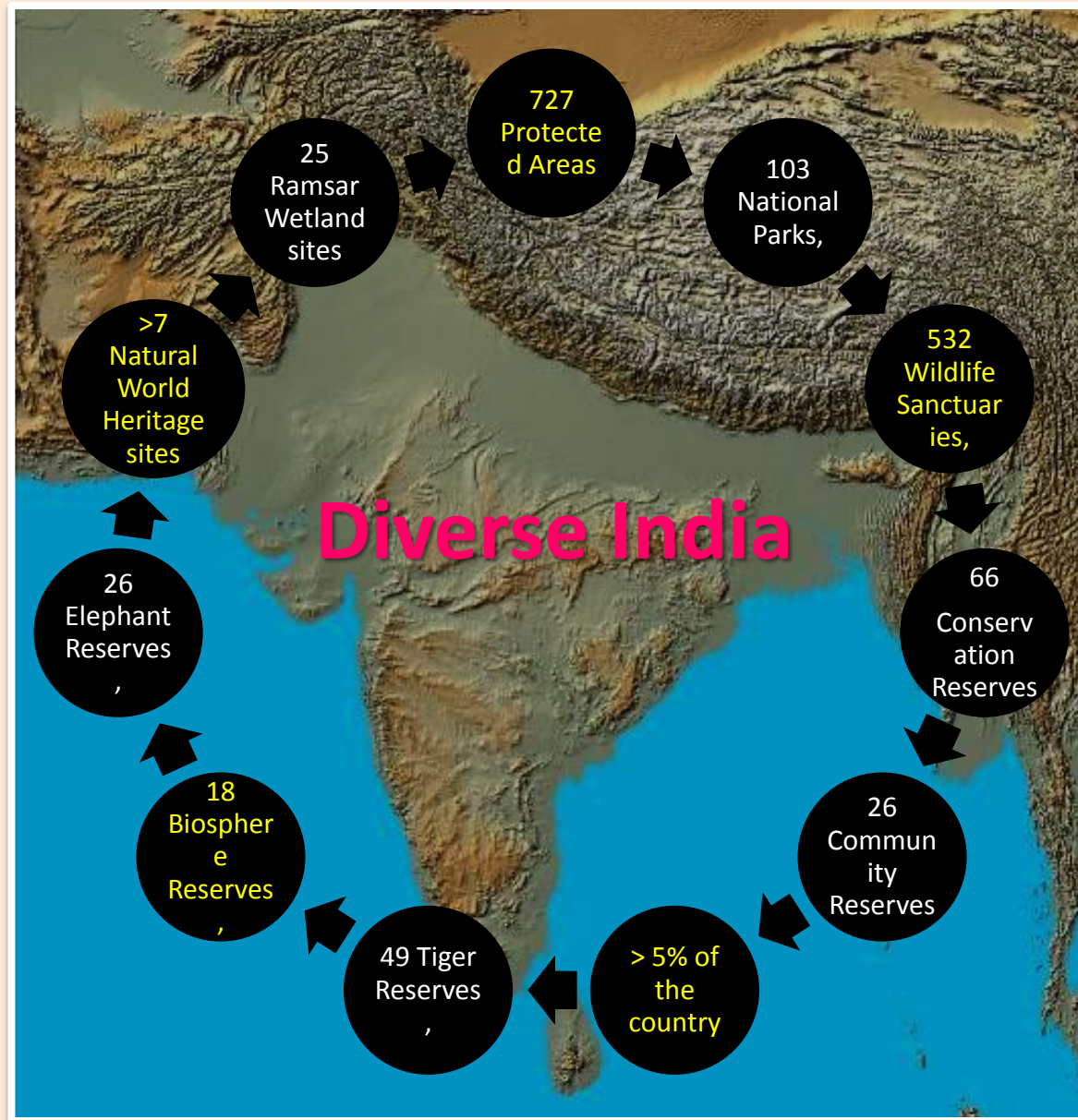
Research Fellowship, Associate-ship and Emeritus Scientist Programme.

Collaborative research programmes on Biodiversity with other Organizations.

GIS and Remote Sensing studies for animal diversity as well as for selected threatened species

Cytotaxonomy and DNA Barcoding.

# ZSI explore from sea to mountains



# **Contributions of ZSI to the Nation**

**Overall National Zoological Holdings at ZSI HQ and regional centers is > 4.5 Million specimens.**

**97,515 animal species known from the country (Animal Discoveries, 2015)**

**Surveyed and documented Faunal diversity of 23 States and UTs and 49 Protected Areas of country**

**Discovery of 4,668 new species to science by ZSI**

**Advisory and identification services to forest and other enforcement agencies of wildlife seized material.**



# Contribution of ZSI to the Nation

**52 volumes of “Fauna of India” since Independence**

**State Fauna Series, Fauna of Freshwater Ecosystem, Fauna of Estuarine Ecosystem, Fauna of Conservation Areas**

**Publications: Over 1507 Knowledge Products and published 10046 research papers by 2015.**

**Digitization of National Zoological Specimens: 10000 metadata were computerized**

**Online digital archive of ZSI Publications <[www.faunaofindia.nic.in](http://www.faunaofindia.nic.in)>**

**DNA Barcodes : 819 available at Barcode of Life Data System**

FAUNA OF INDIA		No.of Species		
		India	Landscape	Seascape
Kingdom PROTISTA	Phylum Protozoa	3510	433	3077
Kingdom ANIMALIA	Phylum Mesozoa	10	10	0
	Phylum Porifera	512	0	512
	Phylum Cnidaria	1396	0	1396
	Phylum Ctenophora	18	0	18
	Phylum Platyhelminthes	1668	1622	46
	Phylum Rotifera	409	362	47
	Phylum Gastrotricha	162	62	100
	Phylum Kinorhyncha	10	0	10
	Phylum Nematoda	2914	2723	191
	Phylum Acanthocephala	229	229	0
	Phylum Sipuncula	38	0	38
	Phylum Mollusca	5188	1435	3753
	Phylum Echiura	43	0	43
	Phylum Annelida	1024	21	1003
	Phylum Onychophora	1	1	0
	Phylum Arthropoda			
	Class Crustacea	4263	1190	3073
	Class Insecta	63887	63880	7
	Class Arachnida	5907	5907	0
	Class Pycnogonida	36	0	36
	Class Chilopoda	101	101	0
	Class Diplopoda	162	162	0
	Class Symphyla	4	4	0
	Class Merostomata	2	0	2
	Phylum Phoronida	3	0	3
	Phylum Bryozoa	327	57	270
	Phylum Entoprocta	10	0	10
	Phylum Brachiopoda	8	0	8
	Phylum Chaetognatha	44	0	44
	Phylum Tardigrada	30	20	10
	Phylum Echinodermata	777	0	777
	Phylum Hemichordata	14	0	14
	Phylum Protochordata	520	56	464
	Class Pisces	3287	658	2629
	Class Amphibia	386	386	0
	Class Reptilia	562	532	30
	Class Aves	1340	1153	187
	Class Mammalia	427	401	26
	TOTAL	99229	81405	17824

# Way Forward

- Checklist of Fauna of India
- Species page for all the species
- DNA Bar-coding of at least 1000 sequences / year
- GIS Application for spatial distribution of all the animal species known in India
- Mobile application for the survey tour
- Annual Programme on all 10 bio-geographical regions
- Analysis of gap areas: group-wise and area wise
- All India study on all the groups of animals
- Digitisation of all the type species followed by the National Zoological Collection.



## Sanctioned Strength and Men in Position in Group-A, B & C in ZSI as on 30-06-2016

GROUP	SANCTIONED STENGTH	MEN IN POSITION	VACANT
GROUP-A	141	76	65
GROUP-B	81	43	38
GROUP-C	816	370	446
TOTAL	<b>1038</b>	<b>489</b>	<b>549</b>

## ZSI Budget Allocation for the Financial Year 2015-16 and 2016-17

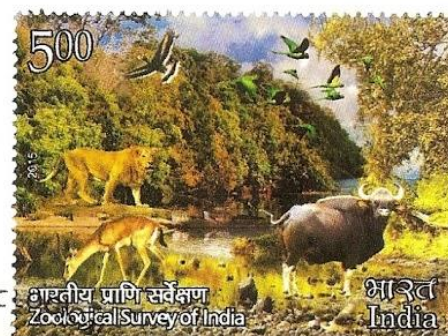
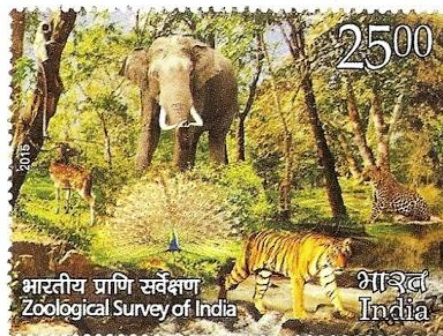
FINANCIAL YEAR	PLAN (Revenue)	PLAN (Capital)	NON PLAN	TOTAL
2015-16	<b>24.88 Crores</b>	10.24 Crores	20.20 Crores	55.32 Crores
CURRENT FINANCIAL YEAR	PLAN (Revenue)	PLAN (Capital)	NON PLAN	TOTAL
2016-17	<b>19.00 Crores</b>	<b>18.00 Crores</b>	22.40 Crores	59.40 Crores

# Issues

- Filling up the all the vacancies including Senior Adm. Officer , Adm. Officer, Account Officer etc.
- Recruitment process for Scientists taking more than two years
- Delegation of power to HOD and HOO/OCs
- Budget constrains
- Training and Capacity Building
- Revival of 21 Assistant Zoologist posts
- Permission of sample collection from Protected Areas
- Modernization of Infrastructure and Development of HQs and Regional Museums
- Centenary Museum at Indian Museum
- Repositories for the Biodiversity Hot Spots Regional Centre- HAZFRC, WGRC, ITANGAR, ANRC.
- Tunnel Aquarium at Digha, West Bengal
- Centenary Regional Centers at Bhuj in Gujarat and Gangtok in Sikkim

# भारतीय प्राणि सर्वेक्षण Zoological Survey of India

प्रथम दिवस आवरण FIRST DAY COVER



.....THANKS