



# Biodiversity Research in Sikkim

## Status Report 1995-2010 on Biodiversity Research in Sikkim

### 1995 – 1996:

#### PHYSICAL:

- 1 Expedition to Lashar- Sebu La-Yumesamdong, Tembawa and Dongkya La, Chho Lhamo & other lakes and wetlands in North Sikkim with Bird Ringing using professional bird trapper Ali Hasan
- 2 Lowland Forest survey
- 3 Bird Ringing in Kyongnosla Alpine Sanctuary, Fambong Lho Wildlife Sanctuary and Himalayan Zoological Park
- 4 Totally 311 birds of 56 species ringed
- 5 Presented 2 papers on Kiang at Metapopulations Meeting in France and Trans-Himalayan Avifauna at Salim Ali international centenary seminar in Coimbatore
- 6 Nature Education programmes

#### FINANCIAL:

##### Budget Head: 2406-02-110(1) 8 Training & Research

	PARTICULARS	AMOUNT in Rs.
1	AWC & Survey of Butterflies in high and low altitudes including Expedition to Sebu La, Tembawa and Dongkya La including Bird Ringing	0,53,330/-
2	Purchase of Ringing Equipment and accessories	0,40,000/-
3	Purchase of film, etc.	0,33,000/-
4	Contingencies	0,07,600/-
	<b>TOTAL</b>	<b>1,33,930/-</b>

### 1996 – 1997:

#### PHYSICAL:

- 1 Technical Reports on:
  - Current Information on wildlife of Sikkim
  - Avifauna of trans-Himalayan & Alpine grasslands
  - Wetlands & Waterbirds of Sikkim
  - Status of Kiang
  - Lowland Forest Survey
- 2 Paper presentations at Pan-Asian Ornithological Congress & 13<sup>th</sup> BirdLife Asia Conference at Coimbatore
- 3 Nature Education
- 4 Botanical Expedition with RBGE-Edinburgh, to Lashar-Sebu La-Yumesamdong

#### FINANCIAL:

##### Budget Head: 2406-02-110-(47)-2 Other Administrative Expenses (Plan)

	PARTICULARS	AMOUNT in Rs.
1	Pre-winter and Post-winter survey of migratory species	0,49,500/-
2	Purchase of Ringing Equipment and accessories	0,30,000/-
3	Contingencies	0,04,470/-
	<b>TOTAL</b>	<b>0,84,246/-</b>



**1997 – 1998:**

PHYSICAL:

- 1 Poster paper at International Galliformes Symposium-Malaysia on Status of Galliformes in Sikkim
- 2 Scientific publications on Tibetan Gazelle, Black-necked Crane, Tiger and Western Grey-headed Thrush
- 3 Nature Education

FINANCIAL: **Budget Head: 2406-02-110-(47)-2 Other Administrative Expenses (Plan)**

	PARTICULARS	AMOUNT in Rs.
1	Wildlife Census in and around Protected Areas	1,17,194/-
2	Monitoring of Kiang and other wildlife in Proposed Chho Lhamo Cold Desert Wildlife Sanctuary	0,88,256/-
	<b>TOTAL</b>	<b>2,01,450/-</b>

**1998 – 1999:**

PHYSICAL:

- 1 Biodiversity Survey of Maenam Wildlife Sanctuary
- 2 Nature Education, scientific and popular articles

FINANCIAL: **Budget Head: 2406-02-110-(47)-2 Other Administrative Expenses (Plan)**

	PARTICULARS	AMOUNT in Rs.
	Due to cut of Rs. 1,50,000/- last year this whole year was spent for re-approvals and sanctions of last year's liabilities	-
	<b>TOTAL</b>	<b>-</b>

**1999 – 2000:**

PHYSICAL:

- 1 Survey of Kyongnosla Alpine Sanctuary, Takin, Tiger
- 2 Survey of Proposed Chho Lhamo Cold Desert Wildlife Sanctuary

FINANCIAL: **Budget Head: 2406-02-110-90 Propagation & Conservation of Wildlife Products**

	PARTICULARS	AMOUNT in Rs.
1	Survey of Kyongnosla Alpine Sanctuary	0,27,600/-
2	Purchase of Scanner & UPS	0,29,120/-
3	Field Assistants in Kyongnosla Alpine Sanctuary	0,25,944/-
4	Repair of vehicle	0,30,000/-
5	Wages of computer assistant	0,16,549/-
6	Wages of wildlife watcher at Chho Lhamo	0,29,200/-
7	Purchase of office equipment, etc.	0,15,000/-
8	Upgradation of Computer	0,20,000/-
9	Travel to Bombay Natural History Society for consultation	0,10,000/-
	<b>TOTAL</b>	<b>2,03,413/-</b>



**2000 – 2001:**

FINANCIAL:

**Budget Head: 2406-02-110-90 Propagation & Conservation of Wildlife Products**

	PARTICULARS	AMOUNT in Rs.
1	(Liabilities of last financial year)	(0,75,224/-)
2	Wages of computer assistant	0,17,155/-
3	Wages of wildlife watcher at Chho Lhamo	0,29,200/-
4	Purchase of Film, Slide Projector	0,29,900/-
5	Maintenance of Computer, etc.	0,15,000/-
6	Purchase of Printer (HP Deskjet 6L Gold)	0,25,000/-
	<b>TOTAL</b>	<b>1,91,449/-</b>

**2001 – 2002:**

PHYSICAL:

- CONTINUATION OF ANNUAL RESEARCH ACTIVITIES
- MAINTENANCE OF TWO BUTTERFLY PARKS AT SARAMSA & MIDDLE CAMP FOREST PARKS, EAST SIKKIM: Two Butterfly Parks were created by the Wildlife Circle in 1992-93 and have since then not been looked after due to various constraints of the department. Hence there was an urgent need to repair the damaged and dilapidated signboards in these areas, which are popular picnic spots, as they reflect badly on the image of the department, repair and painting of larval food plant enclosures, maintenance and procurement of important food plants for the Park.
- MAINTENANCE OF MUSEUM SPECIMENS FROM DEER PARK: The Museum collection housed at the Rustomji Deer Park, Gangtok, is in urgent need of maintenance of the rare specimens several of which are of Schedule I species protected under the WL (P) Act. As the care and maintenance of the same has been assigned to the Research Wing of the Department, some urgently required chemicals were purchased.

FINANCIAL:

**Budget Head: Biodiversity Research**

	PARTICULARS	AMOUNT in Rs.
1	Wages of Computer Assistant at Gangtok	20,195/-
	Wages of Wildlife Watcher at proposed Chho Lhamo plateau Cold Desert	35,280/-
	Computer maintenance, Floppies, paper, print cartridges, etc. L.S.	25,000/-
	Purchase of slide sheets, film, developing, enlarging, etc. L.S.	30,000/-
	Purchase of office stationery, <b>including LFY liabilities (15,325/-)</b> L.S.	25,000/-
2	Repair of three signboards	05,000/-
	Repair and painting of larval food plant enclosures	20,000/-
	Maintenance and procurement of important food plants	05,000/-
3	Purchase of chemicals (Turpentine, Potassium Hydroxide, Heater, Naphthalene, Cotton, Brushes, Scrubber, Drum, Bucket, Trays, L.S.)	30,000/-
	<b>TOTAL</b>	<b>1,95,475/-</b>



**2002 – 2003:**

FINANCIAL:

**Budget Head: Biodiversity Research**

**BIODIVERSITY RESEARCH (WILD LIFE) ACTIVITIES**

PARTICULARS	AMOUNT
1. Continuation of monitoring activities in Chho Lhamo proposed cold desert protected area and Computerisation of data including regular office duties ( <i>en bloc</i> 2 M/R wages at Gangtok and Chho Lhamo)	57,305
2. Purchase of essential stationeries, including new color monitor for computer	30,000
3. Re-printing of all old negatives, sorting and filing/documentation of film, preparing fresh set of enlargements, blow-ups, laminations of wildlife and other photographs as desired by PCCF	56,280
4. Wall Display cabinet for Wild Life photographs, reports etc.	15,000
5. Maintenance of equipments (repair of slide projector, AMC for computer, AMC for printer, UPS-cum-Inverter).	40,000
Contingencies	01,415
<b>TOTAL</b>	<b>2,00,000</b>

**2003 – 2004:**

FINANCIAL:

**Budget Head: Biodiversity Research**

**BIODIVERSITY RESEARCH (WILD LIFE) ACTIVITIES**

PROPOSED ACTIVITIES	AMOUNT
1. Continuation of monitoring activities in Chho Lhamo proposed cold desert protected area and Computerisation of data including regular office duties ( <i>en bloc</i> 2 M/R wages at Gangtok and Chho Lhamo)	57,462
2. Maintenance of equipments (Slide projector, Overhead Projector, Computer, Printer, UPS & batteries) Purchase of Laserjet toner cartridge, floppies and CDs, and other Office Stationeries	30,000
3. Purchase of laptop computer for data entry in field	90,000
4. Continuation of Re-printing of old negatives, sorting and filing/documentation of film, enlargements, blow-ups, lamination, etc. of wildlife and other photographs as desired by PCCF	22,540
<b>TOTAL</b>	<b>2,00,002</b>

**PUBLICATIONS ON ALPINE, TRANS-HIMALAYAN AREAS IN SIKKIM SINCE 1990 Usha Lachungpa**

**A) Individual Authorship:**

- (1990): Blackwinged kite *Elanus caeruleus vociferus* (Latham) at 3650m in Sikkim. *J. Bombay nat. Hist. Soc.* 87 (1): 142
- (1990a): Brahminy duck *Tadorna ferruginea* (Pallas) breeding in Sikkim. *J. Bombay nat. Hist. Soc.* 87 (2): 290
- (1990): Osprey *Pandion haliaetus* in Sikkim. *J. Bombay nat. Hist. Soc.* 87 (2): 291
- (1991): Occurrence of Blacknecked grebe *Podiceps nigriceps* Brehm, Little grebe *P. ruficollis* and Goosander *Mergus merganser* Linn in west Sikkim. *J. Bombay nat. Hist. Soc.* 88 (2): 280
- (1993): Avocets in Sikkim: Another new record. *PANDA (Inaugural Issue)*: 15-16
- (1994): Tibetan wild ass or Kiang not extinct in Sikkim. *Sikkim Science Society Newsletter* Vol.7 (3): 7-9
- (1996): Unusual congregation of Nayan *Ovis ammon hodgsoni* Blyth at Gyam Tsona, North Sikkim. *J. Bombay nat. Hist. Soc.* 93 (2): 292-
- (1996a) The wetlands and waterbirds of Sikkim. Abstract. P. 69 in Pan-Asian Ornithological Congress and XII Birdlife Asia Conference, Coimbatore, India, 9-16 November 1996. Unpublished.



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10. (1996d): The owls of Sikkim. *Sikkim Science Society Newsletter* 9 (3):8
11. (1996e): Avifauna of trans-Himalayan and alpine grasslands in Sikkim, India. *Proceedings of the Salim Ali Centenary Seminar, 1976*. pp 196-207
12. (1997): Tibetan gazelle *Procapra picticaudata* in Sikkim, India. *J. Bombay nat. Hist. Soc.* 94 (3): 557
13. (1998): Wildlife of Chho Lhamo Plateau *Sikkim Herald* Vol. XLII (15):5; 8<sup>th</sup> April 1998.
14. (1998): Attempted breeding of Blacknecked crane *Grus nigricollis* Przevalski in north Sikkim. *J. Bombay nat. Hist. Soc.* 95(2): 341
15. (1998): On the occurrence of the Tiger *Panthera tigris* in Sikkim. *J. Bombay nat. Hist. Soc.* 95 (1): 109
16. (1998): Western greyheaded thrush *Turdus rubrocanus rubrocanus* G. R. Gray in Sikkim. *J. Bombay nat. Hist. Soc.* 95(3): 505
17. (1998): Faunal Diversity in Sikkim: an overview. *Sikkim: Perspectives for Planning and Development*. Edited by Rai, S. C.; Sundriyal, R. C.; Sharma, E. Published by Sikkim Science Society, NH31A, Tadong 737 102, Sikkim. pp 241-251
18. (2000): Dead snow leopard *Uncia uncia* at Yabuk, Dongkung (5500m) in north Sikkim. *J. Bombay nat. Hist. Soc.* 97(1): 137-138,
19. (2000): Takin *Budorcas taxicolor* at Menla Reserve Forest (3050m), East Sikkim: a westward range extension and observations of unusual behaviour. *J. Bombay nat. Hist. Soc.* 97 (2): 272-274
20. (2002): Biodiversity Strategy & Action Plan (BSAP) Process in North Sikkim. *South Asia Perspectives on Ecotourism & Conservation 2002*: 141-152. Edited by A. P. Krishna, P. D. Rai & J. Subba. Ecotourism & Conservation Society of Sikkim
21. (2002): Eurasian Eagle-Owl *Bubo bubo tibetanus* Bianchi at 2100m in North Sikkim. *J. Bombay nat. Hist. Soc.* 99 (2): 305-306

#### **B) Joint authorship:**

1. Usha Ganguli-Lachungpa and Sudhi Zong Lucksom (1998): Sighting of Hodgson's Frogmouth *Batrachostomus hodgsoni hodgsoni* (G.R. Gray) from Sikkim. *J. Bombay nat. Hist. Soc.* Vol.95 (3): 505
2. Usha Ganguli-Lachungpa and Bishnu Lal Sharma (2002): Himalayan marmot *Marmota bobak* (Muller) re-sighted after eight years at Kyongnosla Alpine Sanctuary, East Sikkim *J. Bombay nat. Hist. Soc.* Vol. 99 (2): 288
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4. Sharma, T. and Usha Lachungpa (2003): Alpine Grasslands in North Sikkim. *Sikkim Akademi Annual Journal 2002-2003*. Pp. 122-128. Ed. Dr. Vatshagopal. Publisher Sikkim Akademi, Old Council House, Gangtok 737 101
5. U. Lachungpa (2005) Sikkim: Land of Biodiversity. Bulletin of the *Twelfth Saarc Summit Islamabad, Pakistan, 2004* pp 225 -233.
6. Sanjay Acharyya and Usha Lachungpa (2004): Traditional Standing-Crop Protection Techniques of Selected Villages of Rongli, East Sikkim, India. Annual Journal of Sikkim Akademi
7. Hillaluddin, Sunita Pradhan and U. Lachungpa (2006): Wild Animal Hunting and its Management in the Eastern Indian Himalaya. Proceedings of the National Conference on "Environmental Education for Sustainable Life Style" organized by Department of Zoology, Patna Women's College Pp. 19-36.
8. Usha Lachungpa (2006): Role of Values and Ethics and Biodiversity Conservation in Sikkim. Proceedings of *National Conference on Environmental Education for Sustainable Lifestyle*, Patna Women's College, pp 49-60
9. Usha Lachungpa and S. T. Lachungpa (2007): Biodiversity and forest Conservation in Sikkim by Sikkim Akademi (*Akademi Journal*) Barsa 5, 2007-2008, anka :4, Pp. 88 – 94,

#### **C) Popular Articles, Reports**

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2. (1993): Bird Ringing Started at Sikkim. *Sikkim Herald* Vol. 37(17): 3
3. (1997): Sikkim's call of the wild. *Himalayan Guardian* Vol. 6(30): 2
4. (1999): Amidst Wildlife in Sikkim. *Hornbill* 1999 (3): 4-8
5. (1999): Dead snow leopard *Uncia* at Yabuk, Dongkung. *Sikkim Herald* Vol. 43(2): 4



6. (2000): 'Yarcha Gombuk' in Sikkim. *Hornbill* 2000 (3): 22-23
7. (2000): Sikkim's Natural Heritage. *Sikkim Observer* Vol. 15(41): 4
8. (2000): Natural Sikkim as it is today. *Sikkim Express* Vol. 25(56): 3
9. (2001): Rare and Endangered Animals of Sikkim and their Conservation Status today. *Gangtok Times* Vol. 5(2): 4
10. (2001): Feathered Songsters. *Weekend Review* 2001: Vol. 2(49): 7
11. (2001): Sikkim's Feathered Songster-II Gone cuckoo. *Weekend Review* 2001 Vol. 2(15): 7
12. (2001): The Snake That Blinkered. *Weekend Review* 2001 Vol. 3(5): 7
13. (2001): Yak or the 'grunting ox'. *Sikkim Today* 2001: 72-73
14. (2001): Yaks in Sikkim. *Wichar* 2001 Vol. 6(16): 4
15. (2002a): Dying Dokpas of North Sikkim: *Gangtok Times* 2002 Vol.6 (3): 6
15. (2002b): Dying Dokpas of North Sikkim-II: The Lhonak tragedy. *Gangtok Times*. Vol. 6(4): 6
16. (2002): The last of 'Dokhyi' or 'Phyu-ki', (The Tibetan Mastiff) Sheep- Dog. *Sikkim Express* Vol.26 (3): 1,4 and in *Weekend Review*. Vol. 3(27): 19
17. (2002) One more exotic species finds foothold in Sikkim *Weekend Review* Vol. 1(5): 6
18. (2002) Flying Squirrel Sighted in Gangtok. *Weekend Review* Vol. 1(6): 12
19. (2002) The Little Studied Caterpillar Fungus 'Yarcha Gombuk' in Sikkim. *Weekend Review* Vol. (14): 11
20. (2002): Sikkim's Vanishing Legume, the giant Lachung Tibi *Phaseolus coccineus*. *Weekend Review* Vol. (22): 8
21. (2002) The Last Tibetan Mastiff is no more. *Now!* Vol. 1(14): 12
22. (2002) Yak without Passports in Shangrila. *Now!* Vol. 1(15): 9
23. (2002) Did Non-Locals Feast on the Last Surviving Tibetan Mastiff. *Now!* Vol. 1 (16): 12
24. 2003) Sikkim's Vanishning Legume, The Gaint Lachung Tibi. *Explorer!* Vol. 1 (1): 19, Jan-March 2003 News magazine of Sikkim & NE Region.
25. (2003): Stray Talk. *Now!* Vol. 1 (31): 5; February 4<sup>th</sup>
26. (2003): A Study of Alpine Grasslands in North Sikkim. *Weekend Review*. Vol. 1 (9): 7; Feb 7-13<sup>th</sup>; *Sikkim Herald* Vol. 47(5): 7; February 7<sup>th</sup>.
27. (2003): *Our Frog Laid eggs*. *Now!* Vol. 1(37): 5; March 18<sup>th</sup>. *Weekend Review* Vol. 1 (45): 20; March 21-27<sup>th</sup>.
28. (2003): *Tigers of the Air*. *Now!* (Dragonfly article) *Weekend Review* Vol. 1 (51): 8; May 2-8<sup>th</sup>.
29. (2003) Singing tree. *Now!* Vol. 1 (32): 6; Feb 5-11<sup>th</sup>.
30. (2003) Sikkim's drying ocean. *Now!* Vol. 2 (11): 1& 4; September 03-09<sup>th</sup>.
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34. No Collecting Nyen anymore. *Now*. Vol. 2 (47): 3; March 22<sup>nd</sup>.
35. (2004): No chickening out on protection of Galliformes: Sikkim at the 3<sup>rd</sup> International Galliformes Symposium. *Now*. Vol. 3 (35): 6; May 5<sup>th</sup>.
36. (2004): Third International Galliformes Symposium 2004. *Sikkim Herald*. Vol. 48 (20): 4; May 14<sup>th</sup>.
37. (2004) Sikkim Snow Toad, World's Highest Amphibian? *Now*. Vol.3 (77): 2; June 20<sup>th</sup>. *Sikkim Today* (A quarterly magazine of Sikkim) Vol. IV. (1) 40 July-September 2004.
38. (2004) Sikkim's Snow Toad, World's Highest Amphibian? *Sikkim Herald*. Vol. 48 (26): 2; June 24<sup>th</sup>.
39. (2004) LAST LYNX? A Sad New Record for Sikkim. *Now*. Vol. 3 (101):8; July 17<sup>th</sup>.
40. (2004) LAST LYNX? A Sad New Record for Sikkim. *Sikkim Herald*. Vol. 48 (31): Jul 29<sup>th</sup>.
41. (2004) A Cold Desert Conservation Reserve in Sikkim. *Sikkim Express*. Vol. XXVIII (205): 2; August 24<sup>th</sup>. *NOW*. Vol. 3 (130); 2&6; Aug 24<sup>th</sup>. *Weekend review*. Vol. ( ) : 4; Sept 10-16<sup>th</sup>.
42. (2004) At Least Three Types of Squirrels in Gangtok. *Now*. Vol. 3 (157): 8; Sept. 25<sup>th</sup>.
43. (2004) A pilot survey of status of Red Panda *Ailurus Fulgens* in Sikkim, India. *Final Report 1992-2002 for Biodiversity 'Hotspots' Conservation Programme (BHCP)* Vol. II: Page No. 169-186.
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47. (2008) Biodiversity and Agriculture, *Now*, Vol. 1A (179): 2, May 22<sup>nd</sup> 2008.
48. (2008) Fragile Beauty, *Hornbill*, pp- 158-167, Oct-Dec 2008, Celebrating 125 years BNHS
49. (2008) *Biodiversity and Agriculture*, *Now*, Vol. 1A (179): 2, May 22<sup>nd</sup> 2008.
50. (2008) Biodiversity and forest Conservation in Sikkim by Usha Lachungpa & S. T. Lachungpa Sikkim Akademi (*Akademy Journal*) Barsa 5, 2007-2008, anka :4, Pp. 88 – 94, 2007-2008
51. (2008) 'SIKKIM', Potential and Existing Ramsar Sites in India, by Usha Lachungpa & Chezung Lachungpa, pp. 425-439, edited by M. Zafar-Islam and Asad R. Rahmani.
52. (2008) Status, Distribution and Management of Galliformes in Sikkim, by Usha Lachungpa and N. T. Bhutia, pp. 127 – 130, *Galliformes of India, Envis Wildlife and Protected Areas*, Vol. 10. (1), 2007.
53. (2008) The Leopard returns to South Sikkim *Now*, Vol. 1A (319): 1 & 2, Dec. 2<sup>nd</sup> 2008.
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55. (2009) Leopard at Large in South Sikkim. *PANDA*, Vol. II. (1): 12, Panda Newsletter 2009.
56. (2009) Birds in My Garden-Forest birdwatching at Balwakhani forest colony, by Usha Lachungpa pp. 14-17, *Himalayan essence, Lifestyle magazine*, Vol.1:2/2009 ( Second Issue)
57. (2009) Celebrating Nature, (*Wildlife Week, 2-8 October 2009*) *Now*, Vol. 2A (222):2, Oct. 5 2009

**2004-2005:**

## FINANCIAL:

**Budget Head: Biodiversity Research****Budget Head: 2406-01-01-004-62-62-00-74 BIODIVERSITY RESEARCH (WILD LIFE) ACTIVITIES**

	PARTICULARS	AMOUNT IN RS.
1	<b>WAGES:</b> Continuation of monitoring activities in Tso Lhamo proposed cold desert protected area and Computerisation of data including regular office duties ( <i>en bloc</i> 2 M/R wages at Gangtok and Tso Lhamo) ( <b>21<sup>st</sup> March to 20<sup>th</sup> Sept. '04 Rs. 47053</b> ) (21 <sup>st</sup> Set. '04 t 20 <sup>th</sup> March '05 Rs. 47422 )	94,475

**II. OFFICE, LABORATORY AND FIELD RESEARCH**

1	Purchase and maintenance of essential equipments, chemicals, etc.	28,000
2	Re-printing of all old negatives, sorting and filing/documentation of film, preparing fresh set of enlargements, blow-ups, laminations of wildlife and other photographs as desired by PCCF	26,525
3	Stakeholders' Meeting Tso – Lhamo –Cold Desert Conservation Reserve	25,000
4	Contingencies	1000
	<b>TOTAL</b>	<b>175000</b>



**2005-2006**

**Budget Head: 2406-01-01-004-62-62-00-74 Wildlife (Biodiversity) Research (P)**

**I. ENBLOC WAGES**

	PARTICULARS	AMOUNT IN RS.
1	<b>WAGES:</b> Continuation of monitoring activities in Tso Lhamo proposed cold desert protected area and Computerisation of data including regular office duties ( <i>en bloc</i> 2 M/R wages at Gangtok and Tso Lhamo) (Sanctioned vide no.14/GOS/FEWMD/Wages, dated: 28 <sup>th</sup> April 2005)	<b>95,630</b>

**II. OFFICE, LABORATORY AND FIELD RESEARCH**

1	Purchase and Maintenance of essential equipments like projectors, computer; computer accessories, toner cartridges, white-board marker pens, chemicals, print-outs of reports, color printouts and enlargements of wildlife photos, lamination, etc.	55,000
2	Upgradation of Office Computer from P3 to P4	20,000
3	Purchase of Vacuum Cleaner for dust-proofing and maintenance of valuable museum specimens of plants and photograph & specimen cabinets in Herbarium and Computer room	5,000
	<b>TOTAL</b>	<b>80,000</b>

<b>GRAND TOTAL Wildlife (Biodiversity) Research (P)</b>		<b>1,75,630</b>
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**2006-2007:**

**Budget Head: 2406-01-01-004-62-62-00-74 Wildlife (Biodiversity) Research (P)**

**I. ENBLOC WAGES**

	PARTICULARS	AMOUNT IN RS.
1	<b>WAGES:</b> Continuation of monitoring activities in Tso Lhamo proposed cold desert protected area and Computerisation of data including regular office duties ( <i>en bloc</i> 2 M/R wages at Gangtok and Tso Lhamo) (Sanctioned vide no.02/GOS/FEWMD/Wages, dated: 12 <sup>th</sup> April 2006)	95,630

**II. OFFICE, LABORATORY AND FIELD RESEARCH**

2	Purchase and Maintenance of essential equipments like projectors, computer; computer accessories, toner cartridges, white-board marker pens, chemicals, print-outs of reports, color printouts and enlargements of wildlife photos, lamination, etc.	29,370
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<b>GRAND TOTAL Wildlife (Biodiversity) Research (P)</b>		<b>1,25,000</b>
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**2007-2008**

**Budget Head: 2406-01-01-004-62-62-00-74 Wildlife (Biodiversity) Research (P)**

I. ENBLOC WAGES

	PARTICULARS	AMOUNT IN RS.
1	WAGES: Continuation of monitoring activities in Tso Lhamo proposed cold desert protected area and Computerisation of data including regular office duties ( <i>en bloc</i> 2 M/R wages at Gangtok and Tso Lhamo) <b>(Sanctioned vide no.11/GOS/FEWMD/Wages, dated: 27th April 2007)</b>	95,892

II. OFFICE, LABORATORY AND FIELD RESEARCH

2	Purchase and Maintenance of essential equipments like projectors, computer; computer accessories, toner cartridges, white-board marker pens, chemicals, print-outs of reports, color printouts and enlargements of wildlife photos, lamination, etc.	29,108
	<b>GRAND TOTAL Wildlife (Biodiversity) Research (P)</b>	<b>1,25,000</b>

**2008-2009**

**Budget Head: 2406-01-01-004-62-62-00-74 Wildlife (Biodiversity) Research (P)**

I. ENBLOC WAGES

	PARTICULARS	AMOUNT IN RS.
1	WAGES: Continuation of monitoring activities in Tso Lhamo proposed cold desert protected area and Computerisation of data including regular office duties ( <i>en bloc</i> 2 M/R wages at Gangtok and Tso Lhamo) <b>(Sanctioned vide no.17/GOS/FEWMD/Wages, dated: 7th May 2008)</b>	1,19,702

II. OFFICE, LABORATORY AND FIELD RESEARCH

2	Purchase and Maintenance of essential equipments like projectors, computer; computer accessories, toner cartridges, white-board marker pens, chemicals, print-outs of reports, color printouts and enlargements of wildlife photos, lamination, etc.	29,108
	<b>GRAND TOTAL Wildlife (Biodiversity) Research (P)</b>	<b>1,48,810</b>

**2009-2010**

**Budget Head: 2406-01-01-004-62-62-00-74 Wildlife (Biodiversity) Research (P)**

**FINANCIAL TARGET: Budget Head: 2406-01-01-004-62-62-00.74 Wildlife (Biodiversity) Research (P)**

**ANNUAL WORK PROGRAMME**

	I. ENBLOC WAGES: PARTICULARS	AMOUNT IN RS.
1	WAGES: Continuation of monitoring activities in Tso Lhamo proposed cold desert protected area and Computerisation of data including regular office duties ( <i>en bloc</i> 2 M/R wages at Gangtok and Tso Lhamo) ( <i>Sanctioned vide no.05/GOS/FEWMD/Wages, dated: 13<sup>th</sup> Aug 2009</i> )	120450
	II. OFFICE, LABORATORY AND FIELD RESEARCH	
2	1. Purchase and Maintenance of essential equipments: 2. Expenditure related to Forest Centenary celebrations:	29,550
	<b>GRAND TOTAL Wildlife (Biodiversity) Research (P)</b>	<b>1,50,000</b>
	<b>Grand Total: Rs. 1, 50, 000/- (RUPEES ONE LAKH FIFTY THOUSAND) only</b>	