

# Monitoring Important Bird Areas

Help to monitor IBAs –  
 key sites for biodiversity  
 conservation!

**PLEASE:**

- Answer the questions below.
- Give details wherever possible.
- Return a completed form once a year if you are resident at a site or a regular visitor, but note that relevant information is helpful, at any time.
- Consider making use of sketch maps as an additional means of recording key results, such as the precise location & extent of threat, sightings of key species, extent of particular habitats, routes taken and areas surveyed etc.
- Return the completed form to the National IBA Coordinator or equivalent of the BirdLife Partner in your country. For details of BirdLife Partners see [www.birdlife.org/worldwide](http://www.birdlife.org/worldwide) or write to BirdLife International, Wellbrook Court, Girton Road, Cambridge CB3 0NA, UK

**PART I. ESSENTIAL INFORMATION** (please use a different form for each site)

Name of the IBA Deothang/Narphung Date 30/08/2021  
 Your name Tshering Dendup Postal address Phuntshothang Mss, Phuntshothang, Samdrupcholing, Samdrupjongkhar.  
 Telephone/fax +97517715365 email tsedup605@gmail.com

What does this form cover? (tick one box)

- (a) the whole IBA  (b) just part of the IBA  
 If (b), which part/how much of the whole area?

Deothang/Narphung IBA (only).

Do you live at or around the IBA?

- (a) Yes  (b) No  
 If (b) when did you visit the IBA and for how long?

Currently I live at the IBA of Deothang (Phuntshothang which comes under Deothang area) since 2019.

what was the reason for your visit(s)?

Employed in the school (pmss) which falls in the Deothang IBA.

## Part II. MONITORING THE IBA

You don't need to answer all the questions or fill in all the tables – please just put down the information that you have available.

### THREATS TO THE IBA ('PRESSURE')

General comments on threats to the site and any changes since your last assessment (if relevant):

Habitat loss due to widening of highway road, establishment of farm road, mining (coal mining), expansion of farmland, infrastructural and developmental activities.

In the table opposite and overleaf, please score each threat that is relevant to the important birds at the IBA, based on your observations and information, for Timing, Scope and Severity. In the 'details' column, please explain your scoring and make any other comments. Please note any changes in individual threats since the last assessment. If threats apply only to particular bird species, please say so.

Use the following guidelines to assign scores for Timing, Scope and Severity. The numbers are there to help you score, but are intended as guidance only: you don't need exact measurements to assign a score. For scoring combined threats, Timing, Scope & Severity scores should either be equal to or more than the highest scores for individual threats; scores cannot be less than those allocated to individual threats.

<b>Timing of selected threat</b>	<b>Timing score</b>
Happening now	3
Likely in short term (within 4 years)	2
Likely in long term (beyond 4 years)	1
Past (and unlikely to return) and no longer limiting,	0
<b>Scope of selected threat</b>	<b>Scope score</b>
Whole area/population (>90%)	3
Most of area/population (50-90%)	2
Some of area/population (10-50%)	1
Small area/few individuals (<10%)	0
<b>Severity of selected threat</b>	<b>Severity score</b>
Rapid deterioration (>30% over 10 years or 3 generations whichever is the longer)	3
Moderate deterioration (10-30% over 10 years or 3 generations)	2
Slow deterioration (1-10% over 10 years or 3 generations)	1
No or imperceptible deterioration (<1% over 10 years)	0

#### Notes on threat types

1. **Agricultural expansion & intensification** Threats from farming and ranching as a result of agricultural expansion and intensification, including silviculture, mariculture and aquaculture. Note that wood and pulp plantations includes afforestation, and livestock farming and ranching includes forest grazing. Agricultural pest control and agricultural pollution-specific problems apply to '5. Over-exploitation, persecution & control', and '9. Pollution' respectively.
2. **Residential & commercial development** Threats from human settlements or other non-agricultural land uses with a substantial footprint; resulting in habitat destruction and degradation, also causing mortality through collision. Note that domestic or industrial pollution-specific problems apply to '9. Pollution'.
3. **Energy production & mining** Threats from production of non-biological resources; resulting in habitat destruction and degradation, also causing mortality through collision. Note that renewable energy includes windfarms.
4. **Transportation & service corridors** Threats from long narrow transport corridors and the vehicles that use them; resulting in habitat destruction and degradation, disturbance and collision.
5. **Over-exploitation, persecution & control** Threats from consumptive use of wild biological resources including both deliberate and unintentional harvesting effects; also persecution or control of specific species. Note that hunting includes egg-collecting, gathering includes firewood collection, and logging includes clear cutting, selective logging and charcoal production.
6. **Human intrusions & disturbance** Threats from human activities that alter, destroy and disturb habitats and species associated with non-consumptive uses of biological resources.
7. **Natural system modifications** Threats from actions that convert or degrade habitat in service of managing natural or semi-natural systems, often to improve human welfare. Note that 'other ecosystem modifications' includes intensification of forest management, abandonment of managed lands, reduction of land management, and under grazing. 'Dams & water management/use' includes construction and impact of dykes/dams/barrages, filling in of wetlands, groundwater abstraction, drainage, dredging and canalisation.
8. **Invasive & other problematic species & genes** Threats from non-native and native plants, animals, pathogens and other microbes, or genetic materials that have or are predicted to have harmful effects on biodiversity (through mortality of species or alteration of habitats) following their introduction, spread and/or increase in abundance.
9. **Pollution** Threats from introduction of exotic and/or excess materials from point and non-point sources causing mortality of species and/or alteration of habitats. Note that domestic and urban waste water includes sewage and run-off; industrial and military effluents includes oils spills and seepage from mining; agricultural and forestry effluents and practices includes nutrient loads, soil erosion, sedimentation, high fertiliser input, excessive use of chemicals and salinisation; and air-borne pollutants includes acid rain.
10. **Geological events** Threats from catastrophic geological events that have the potential to cause severe damage to habitats and species.

## CONSERVATION ACTIONS TAKEN AT IBA ('RESPONSE')

General comments on actions taken at the site, including recent changes or developments

Please tick the box next to the text that applies for each of conservation designation, management planning and conservation action below. Please add any details and where appropriate give a brief explanation for your choice.

### CONSERVATION DESIGNATION

- Whole area of IBA (>90%) covered by appropriate conservation designation
- Most of IBA (50–90%) covered (including the most critical parts for the important bird species)
- Some of IBA covered (10–49%)
- Little/none of IBA covered (<10%)

Details and explanation Conservation designation, management <sup>planning</sup> and action taken is little known, since no evaluation has been done since 2004.

### MANAGEMENT PLANNING

- A comprehensive and appropriate management plan exists that aims to maintain or improve the populations of qualifying species
- A management plan exists but it is out of date or not comprehensive
- No management plan exists but the management planning process has begun
- No management planning has taken place

Details and explanation

### CONSERVATION ACTION

- The conservation measures needed for the site are being comprehensively and effectively implemented
- Substantive conservation measures are being implemented but these are not comprehensive and are limited by resources and capacity
- Some limited conservation initiatives are in place (e.g. action by Local Conservation Groups)
- Very little or no conservation action is taking place

Details and explanation

## PART III. INFORMATION ON PEOPLE AND INSTITUTIONS AND THEIR ACTIVITIES

Please record any IBA-Local Conservation Groups (IBA-LCGs) (e.g. SSGs, Caretaker Groups) established at the site in the table below.

IBA-LCG name	Total members	Male members	Female members	Other information
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—

In the table opposite, please indicate the activities undertaken by any CBO, the BirdLife Partner, Government agencies or other organisations or people at the IBA.

#### Notes on action types

- Land/water protection** Actions to identify, establish or expand parks and other legally protected areas.
- Land/water management** Actions directed at conserving or restoring sites, habitats and the wider environment.
- Species management** Actions directed at managing or restoring species, focused on the species of concern itself.

**CONDITION OF BIRD POPULATIONS AND HABITATS ('STATE')**

General comments on condition of the the site and any changes since your last assessment (if relevant):

General observations: - Degradation of Habitats (Forest) due to land clearance and deforestations, coal mining, resettlements, developmental activ.

If you have estimates or counts of bird populations, or other information on the important bird species at the IBA, please summarise these in the table below:

Bird species or groups	Population estimate (state whether individuals or pairs)	Details/other comments
Rufous-necked	1 pair	These birds are seen scarcely
//	//	<u>Remarks:</u>
//	//	Out of 5 triggered species, only 1 is observed.

If you have information on the area of the natural habitats important for bird populations at the IBA, please summarise it below. Please note any major changes since the last assessment in the 'details' column.

Habitat	Current area if known (include units, e.g. ha, km <sup>2</sup> ) or code <sup>†</sup>	Details/comments/major changes
-	-	-
-	-	-
-	-	-

<sup>†</sup>Habitat area codes: Choose from Good (overall >90% of optimum), Moderate (70-90%), Poor (40-70%) or Very Poor (<40%)  
If you do not know the actual habitat area, give your best assessment of the current habitat area at the site, in relation to its potential optimum if the site was undisturbed. The percentages are given as guidelines only: use your best estimate. Please justify your coding in the 'details' column.

If you have information on the quality of the natural habitats important for bird populations at the IBA, please summarise it below. Please note any major changes since the last assessment in the 'details' column.

Habitat	Quality rating*	Details/comments/major changes
-	-	-
-	-	-
-	-	-

\*Habitat quality rating: Choose from Good (overall >90% of optimum), Moderate (70-90%), Poor (40-70%) or Very Poor (<40%).

THREAT TYPES	Scores			DETAILS
	Timing	Scope	Severity	
<b>6. Human intrusions &amp; disturbance</b>	Give details of specific activity & issue			
Recreational activities	0	0	0	
War, civil unrest & military exercises	0	0	0	
Work & other activities	1	0	1	
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>	-	-	-	
<b>7. Natural system modifications</b>	Give details of the alteration & issue			
Fire & fire suppression	2	0	0	
Dams & water management/use	2	2	2	
Other ecosystem modifications	-	-	-	
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>	-	-	-	
<b>8. Invasive &amp; other problematic species &amp; genes</b>	Give details of the invasive or problematic species & issue			
Invasive alien species	1	1	1	
Problematic native species	-	-	-	
Introduced genetic material	-	-	-	
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>	-	-	-	
<b>9. Pollution</b>	Give details of pollutant, source if known (e.g. agricultural, domestic, industrial) & issue			
Domestic & urban waste water	2	1	1	
Industrial & military effluents	2	1	1	
Agricultural & forestry effluents & practices	2	1	1	
Garbage & solid waste	2	2	2	
Air-borne pollutants	2	2	2	
Noise pollution	-	-	-	
Thermal pollution	2	1	1	
Light pollution	-	-	-	
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>	-	-	-	
<b>10. Geological events</b>	Give details of specific event and issue			
Volcanic eruptions	-	-	-	
Earthquakes/tsunamis	1	1	1	
Avalanches/landslides	2	1	2	
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>	-	-	-	
<b>11. Climate change &amp; severe weather</b>	Give details of specific event and issue			
Habitat shifting & alteration	2	2	2	
Drought	-	-	-	
Temperature extremes	-	-	-	
Storms & floods	-	-	-	
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>	-	-	-	
<b>12. Other</b>	If the threat does not appear to fit in the scheme above, give details here of the threat, its source if known and how it's affecting the IBA			
1.	-	-	-	
2.	-	-	-	
3.	-	-	-	

THREAT TYPES	Scores			DETAILS
	Timing	Scope	Severity	
<b>1. Agricultural expansion &amp; intensification</b>				Give details of specific crops, e.g. oil palm, or animals, e.g. cattle, & issue
Annual crops – Shifting agriculture				
– Small-holder farming	3	3	2	paddy, maize, cardamom.
– Agro-industry farming	3	1	1	dairy farm, poultry, piggery...
Perennial non-timber crops – Small-holder plantations	2	1	1	orchards.
– Agro-industry plantations				
Wood & pulp plantations – Small-holder plantations				
– Agro-industry plantations				
Livestock farming & ranching – Nomadic grazing				
– Small-holder grazing, ranching or farming	3	2	2	cattle
– Agro-industry grazing, ranching or farming				
Marine & freshwater aquaculture				
– Subsistence/artisanal aquaculture				
– Industrial aquaculture				
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>				
<b>2. Residential &amp; commercial development</b>				Give details of type of development & issue
Housing & urban areas	3	2	2	buildings construction.
Commercial & industrial areas	2	0	0	-
Tourism & recreation areas				
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>				
<b>3. Energy production &amp; mining</b>				Give details of specific resource & issue
Oil & gas drilling				
Mining & quarrying	3	1	1	Coal mining, stone extractions.
Renewable energy				
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>				
<b>4. Transportation &amp; service corridors</b>				Give details of specific type of transport & issue
Roads & railroads	3	1	1	Roads/widening/farm road.
Utility & service lines				
Shipping lanes				
Flight paths				
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>				
<b>5. Over-exploitation, persecution &amp; control of species</b>				Give details of issue
Direct mortality of 'trigger' species – hunting & trapping				
– persecution/control				
Indirect mortality (bycatch) of 'trigger' species – hunting				
– fishing	3	2	1	common along riverside
Habitat effects – hunting & trapping	3	2	1	wild animals (deer/boar...)
– gathering plants				
– logging	2	0	1	teak plantation
– fishing & harvesting aquatic resources	3	1	1	-
<i>If more than one threat is scored in this section, please also score here their Timing, Scope &amp; Severity in combination</i>				

## PART IV. ACTIVITIES UNDERTAKEN AT THE IBA

Please indicate the activities taken by the IBA-LCG, CBO, and other organisations/agencies on the table below. This should include current activities, and activities carried out in the last four years.

ACTION TYPES	Action being undertaken by:					DETAILS
	IBA-LCG	Other CBO	BirdLife Partner	Government	Other (specify)	
<b>1. Land/water protection</b>						
Site/area protection	0	0	0	0	0	
Resource & habitat protection	0	0	0	0	0	
<b>2. Land/water management</b>						
General site/area management	0	0	0	0	0	
Invasive/problematic species control	-	-	-	-	-	
Habitat & natural process restoration	-	-	-	-	-	
<b>3. Species management</b>						
General species management	1	1	1	1	1	
Species recovery	-	-	-	-	-	
Species (re)introduction	-	-	-	-	-	
<b>4. Education &amp; awareness</b>						
Formal education	-	-	-	-	-	
Training	-	-	-	-	-	
Awareness, publicity & communications	-	-	-	-	-	
<b>5. Law &amp; policy</b>						
Public legislation	-	-	-	-	-	
Policies and regulations	-	-	-	-	-	
Private sector standards & codes	-	-	-	-	-	
Compliance, enforcement & policing	-	-	-	-	-	
<b>6. Livelihood, economic &amp; other incentives</b>						
Linked enterprises & livelihood alternatives (e.g. ecotourism)	-	-	-	-	-	
Substitution (alternative products to reduce pressure)	-	-	-	-	-	
Market forces (e.g. certification)	-	-	-	-	-	
Conservation payments	-	-	-	-	-	
<b>7. Capacity building</b>						
Institutional & civil society development	-	-	-	-	-	
Alliance and partnership development	-	-	-	-	-	
Conservation finance	-	-	-	-	-	
<b>8. Other (e.g. surveys, research, EIAs)</b>						
Non-monetary values (e.g. spiritual, cultural)	-	-	-	-	-	
1						
2						
3						

## PART V. ADDITIONAL INFORMATION

Please give any further information or details that you think may be helpful. For example • Number of conservation staff and volunteers • Number of visitors • Revenue generated • Interesting bird records • Lists or details of other fauna or flora • Useful contacts (for research or conservation projects, tourism initiatives etc.) • Other notes. Please attach or send more sheets or other documents/reports as necessary.

Intensive survey is required for authentication of the species within identified species (tigered species) in Deothang/Nasphung IBA. This would give an appropriate & conservative measures in future.

Thank you for taking the time to fill in this form! to be implement.