## Report Summary

**Name of sender of the report**
Dr Tashi Samdup

**Telephone**
+975 2 323 146

**Position**
Director General

**Address**
P.O. Box 113
Thimphu Thimphu

**Date submitted to OIE**
23/03/2018

### Animal type
Terrestrial

### Disease
Highly pathogenic avian influenza

### Causal Agent
Highly pathogenic avian influenza virus

### Serotype(s)
H5N1

### Date of report
23/03/2018

### Date of start of the event
06/03/2018

### Date of confirmation of the event
11/03/2018

### Date of last occurrence
16/10/2016

### Reason
Recurrence of a listed disease

### Diagnosis
Clinical, Laboratory (basic), Laboratory (advanced), Necropsy

### Country or zone
a zone or compartment

### Number of reported outbreaks
submitted= 2, Draft= 0

## Outbreak details

### District
**Samdrup Jongkhar**

**Report - submitted**

<table>
<thead>
<tr>
<th>District</th>
<th>Number of outbreaks</th>
<th>Sub-district</th>
<th>Village</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samdrup Jongkhar</td>
<td>1</td>
<td>Deothang</td>
<td>Sandrup Jongkhar</td>
<td>Backyard</td>
<td>Sandrup Jongkhar</td>
<td>26.79964</td>
<td>91.5074</td>
<td>06/03/2018</td>
<td></td>
</tr>
</tbody>
</table>

### Species
Birds

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Killed and disposed of</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>60</td>
<td>36</td>
<td>36</td>
<td>24</td>
<td>0</td>
</tr>
</tbody>
</table>

### Affected Population
The outbreak has occurred in free ranging birds reared within temple complex

### District
**Samtse**

**Report - submitted**

<table>
<thead>
<tr>
<th>District</th>
<th>Number of outbreaks</th>
<th>Sub-district</th>
<th>Village</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samtse</td>
<td>1</td>
<td>Phuntshoptsi</td>
<td>Kalapani</td>
<td>Farm</td>
<td>Kalapani</td>
<td>26.833</td>
<td>89.1136</td>
<td>16/03/2018</td>
<td></td>
</tr>
</tbody>
</table>

### Species
Birds

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Killed and disposed of</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>617</td>
<td>323</td>
<td>323</td>
<td>294</td>
<td>0</td>
</tr>
</tbody>
</table>

### Affected Population
The affected population consisted of improved and local birds reared together in a farm at Kalapani village which is located close to the Indo-Bhutan border in Samtse district.

## Outbreak summary: Total outbreaks = 2 (Submitted)

### Species
Birds

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<tr>
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<th>Deaths</th>
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<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>677</td>
<td>359</td>
<td>359</td>
<td>318</td>
<td>0</td>
</tr>
</tbody>
</table>

## Epidemiology

### Epidemiological comments
The source of the outbreak is not known. Detailed epidemiological investigation is underway.

### Source of the outbreak(s) or origin of infection
- Illegal movement of animals

## Measures applied

### Applied
- movement control inside the country
- surveillance outside containment and/or protection zone
- surveillance within containment and/or protection zone
- official destruction of animal products
- official disposal of carcasses, by-products and waste
- stamping out
- disinfection
- ante and post-mortem inspections

### To be applied
- quarantine

### Animals treated
- Vaccination Prohibited

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## Diagnostic test results

<table>
<thead>
<tr>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date results provided</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>National laboratory</td>
<td>National Centre for Animal Health</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>19/03/2018</td>
<td>Positive</td>
</tr>
</tbody>
</table>

### Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.