### Report Summary

**Name of sender of the report**
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**Position**
Director General

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**Date submitted to OIE**
18/01/2013

### Animal type
Terrestrial

### Disease
Highly pathogenic avian influenza

### Causal Agent
Highly pathogenic avian influenza virus

### Date of report
18/01/2013

### Date of start of the event
27/08/2012

### Date of pre-confirmation of the event
03/09/2012

### Serotype(s)
H5N1

### Date of last occurrence
30/03/2012

### Reason
Reoccurrence of a listed disease

### Country or zone
the whole country

### Clinical signs
Yes

### Number of reported outbreaks
submitted= 8, Draft= 0

### Outbreak details

<table>
<thead>
<tr>
<th>a zone or compartment</th>
<th>Number of outbreaks</th>
<th>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>BAGMATI-other report - submitted</td>
<td>-</td>
<td>Lalitpur</td>
<td>Sanchal</td>
<td>Farm</td>
<td>Sanepa-2</td>
<td>27.689</td>
<td>85.302</td>
<td>27/08/2012</td>
<td>04/10/2012</td>
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<tr>
<td>BAGMATI-other report - submitted</td>
<td>-</td>
<td>Bhaktapur</td>
<td>Bode</td>
<td>Farm</td>
<td>Madhyapur Thimi</td>
<td>27.696</td>
<td>85.393</td>
<td>06/10/2012</td>
<td>17/10/2012</td>
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<td>-</td>
<td>Kathmandu</td>
<td>Ramkot</td>
<td>Farm</td>
<td>Ramkot 6</td>
<td>27.706</td>
<td>85.272</td>
<td>11/12/2012</td>
<td>04/12/2012</td>
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<tr>
<td>BAGMATI-other report - submitted</td>
<td>-</td>
<td>Dhading</td>
<td>Nauthse VDC 1</td>
<td>Farm</td>
<td>Dharke</td>
<td>27.735</td>
<td>85.133</td>
<td>13/12/2012</td>
<td>16/12/2012</td>
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<tr>
<td>BAGMATI-other report - submitted</td>
<td>-</td>
<td>Kathmandu</td>
<td>Sitapaila 1</td>
<td>Farm</td>
<td>Sitapaila 1</td>
<td>27.70579</td>
<td>85.274</td>
<td>25/12/2012</td>
<td>28/12/2012</td>
</tr>
</tbody>
</table>

#### Species

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds Animals</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Birds Animals</td>
<td>2000</td>
<td>1220</td>
<td>1220</td>
<td>780</td>
<td>0</td>
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<tr>
<td>Birds Animals</td>
<td>1968</td>
<td>1968</td>
<td>1968</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Birds Animals</td>
<td>3000</td>
<td>2850</td>
<td>2850</td>
<td>150</td>
<td>0</td>
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<tr>
<td>Birds Animals</td>
<td>3000</td>
<td>760</td>
<td>760</td>
<td>2240</td>
<td>0</td>
</tr>
</tbody>
</table>

### Affected Population

- A commercial layer farm rearing dual purpose breed of different age group.
- A commercial layer farm having 2,000 birds of 1 year of age.
- Broiler parent farm
- A commercial farm with 42-day-old broiler chicken reared in a closed farm premises.
<table>
<thead>
<tr>
<th>Number of outbreaks</th>
<th>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>3</td>
<td>BAGMATI</td>
<td>Chaughada 1</td>
<td>Farm</td>
<td>Raigaon</td>
<td>27.9061</td>
<td>85.2497</td>
<td>30/12/2012</td>
<td>03/01/2013</td>
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<td>8</td>
<td>BAGMATI</td>
<td>Sitapaila 1</td>
<td>Farm</td>
<td>Sitapaila 1</td>
<td>27.70575</td>
<td>85.2749</td>
<td>31/12/2012</td>
<td>03/01/2013</td>
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<tr>
<td>1</td>
<td>BAGMATI</td>
<td>Madhyapur Thimi - 16</td>
<td>Village</td>
<td>Manohara Phat</td>
<td>27.67236</td>
<td>85.35517</td>
<td>08/01/2013</td>
<td>08/01/2013</td>
</tr>
</tbody>
</table>

**Affected Population**
- Local birds raised in a village in a free-range system
- Backyard chicken raised by a household in confined area.

**Outbreak summary:** Total outbreaks = 8 (Submitted)

**Epidemiology**

**Epidemiological comments**
Birds showed swollen head with respiratory distress and all affected birds died. Cleaning and disinfection activities in the infected premises are completed. Intensive surveillance activities are ongoing throughout the country.

**Source of the outbreak(s) or origin of infection**
- Unknown or inconclusive

**Measures applied**
- Control of wildlife reservoirs
- Stamping out
- Quarantine
- Movement control inside the country
- Screening
- Disinfection of infected premises/establishment(s)
- Dipping / spraying

**Diagnostic test results**
- National laboratory
  - Central Veterinary Laboratory
    - Birds
    - Polymerase chain reaction (PCR)
    - 13/01/2013
    - Positive
  - Rapid tests
    - 13/01/2013
    - Positive

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