

## Follow-up report No.5

Report reference: , Reference OIE : 12901, Report Date : 21/01/2013, Country : Nepal

### Report Summary

|                                     |                                     |                              |                      |
|-------------------------------------|-------------------------------------|------------------------------|----------------------|
| <b>Name of sender of the report</b> | Dr Nar Bahadur Rajwar               | <b>Telephone</b>             | +977 1 55 22 056     |
| <b>Position</b>                     | Director General                    | <b>Fax</b>                   | +977 1 55 42 915     |
| <b>Address</b>                      | Harihar Bhawan<br>Lalitpur Lalitpur | <b>Email</b>                 | rajwarnb@yahoo.com   |
|                                     |                                     | <b>Entered by</b>            | Mme Margarita Alonso |
|                                     |                                     | <b>Date submitted to OIE</b> | 21/01/2013           |

|                                     |   |  |   |
|-------------------------------------|---|--|---|
| <b>Animal type</b>                  | Terrestrial                             | <b>Date of report</b>                        | 21/01/2013  |
| <b>Disease</b>                      | Highly pathogenic avian influenza       | <b>Date of start of the event</b>            | 27/08/2012  |
| <b>Causal Agent</b>                 | Highly pathogenic avian influenza virus | <b>Date of pre-confirmation of the event</b> | 03/09/2012  |
| <b>Serotype(s)</b>                  | H5N1                                    | <b>Date of last occurrence</b>               | 30/03/2012  |
| <b>Reason</b>                       | Reoccurrence of a listed disease        | <b>Diagnosis</b>                             | Clinical, Laboratory (basic), Laboratory (advanced), Necropsy |
| <b>Country or zone</b>              | the whole country                       | <b>Clinical signs</b>                        | Yes   |
| <b>Number of reported outbreaks</b> | submitted= 12, Draft= 0                 |  |   |

### Outbreak details

| a zone or compartment            | Number of outbreaks  | District           | Village      | Unit Type     | Location         | Latitude           | Longitude | Start Date | End Date:  |
|----------------------------------|--|--------------------|--------------|---------------|------------------|--------------------|-----------|------------|------------|
| BAGMATI-other report - submitted | -  | Lalitpur           | Sanchal      | Farm          | Sanepa-2         | 27.689             | 85.302    | 27/08/2012 | 04/10/2012 |
| <b>Species</b>                   | <b>Measuring units</b>   | <b>Susceptible</b> | <b>Cases</b> | <b>Deaths</b> | <b>Destroyed</b> | <b>Slaughtered</b> |           |            |            |
| Birds                            | Animals  | 2500               | 2500         | 2500          | 0                | 0                  |           |            |            |
| Affected Population              | A commercial layer farm rearing dual purpose breed of different age group. |                    |              |               |                  |                    |           |            |            |

| a zone or compartment            | Number of outbreaks  | District           | Village      | Unit Type     | Location         | Latitude           | Longitude | Start Date | End Date:  |
|----------------------------------|--|--------------------|--------------|---------------|------------------|--------------------|-----------|------------|------------|
| BAGMATI-other report - submitted | -  | Bhaktapur          | Bode         | Farm          | Madhyapur Thimi  | 27.696             | 85.393    | 06/10/2012 | 17/10/2012 |
| <b>Species</b>                   | <b>Measuring units</b>                                       | <b>Susceptible</b> | <b>Cases</b> | <b>Deaths</b> | <b>Destroyed</b> | <b>Slaughtered</b> |           |            |            |
| Birds                            | Animals  | 2000               | 1220         | 1220          | 780              | 0                  |           |            |            |
| Affected Population              | A commercial layer farm having 2,000 birds of 1 year of age. |                    |              |               |                  |                    |           |            |            |

| a zone or compartment            | Number of outbreaks    | District           | Village      | Unit Type     | Location         | Latitude           | Longitude | Start Date | End Date:  |
|----------------------------------|------------------------|--------------------|--------------|---------------|------------------|--------------------|-----------|------------|------------|
| BAGMATI-other report - submitted | -                      | Kathmandu          | Ramkot       | Farm          | Ramkot 6         | 27.706             | 85.272    | 11/12/2012 | 28/12/2012 |
| <b>Species</b>                   | <b>Measuring units</b> | <b>Susceptible</b> | <b>Cases</b> | <b>Deaths</b> | <b>Destroyed</b> | <b>Slaughtered</b> |           |            |            |
| Birds                            | Animals                | 1968               | 1968         | 1968          | 0                | 0                  |           |            |            |
| Affected Population              | Broiler parent farm    |                    |              |               |                  |                    |           |            |            |

| a zone or compartment            | Number of outbreaks   | District           | Village       | Unit Type     | Location         | Latitude           | Longitude | Start Date | End Date: |
|----------------------------------|---|--------------------|---------------|---------------|------------------|--------------------|-----------|------------|-----------|
| BAGMATI-other report - submitted | -   | Dhading            | Naubise VDC 1 | Farm          | Dharke           | 27.735             | 85.133    | 13/12/2012 |           |
| <b>Species</b>                   | <b>Measuring units</b>  | <b>Susceptible</b> | <b>Cases</b>  | <b>Deaths</b> | <b>Destroyed</b> | <b>Slaughtered</b> |           |            |           |
| Birds                            | Animals   | 3000               | 2850          | 2850          | 150              | 0                  |           |            |           |
| Affected Population              | A commercial farm with 42-day-old broiler chicken reared in a closed farm premises. |                    |               |               |                  |                    |           |            |           |

| a zone or compartment            | Number of outbreaks    | District           | Village      | Unit Type     | Location         | Latitude           | Longitude | Start Date | End Date:  |
|----------------------------------|------------------------|--------------------|--------------|---------------|------------------|--------------------|-----------|------------|------------|
| BAGMATI-other report - submitted | -                      | Kathmandu          | Sitapaila 1  | Farm          | Sitapaila 1      | 27.70579           | 85.274    | 25/12/2012 | 28/12/2012 |
| <b>Species</b>                   | <b>Measuring units</b> | <b>Susceptible</b> | <b>Cases</b> | <b>Deaths</b> | <b>Destroyed</b> | <b>Slaughtered</b> |           |            |            |
| Birds                            | Animals                | 3000               | 760          | 760           | 2240             | 0                  |           |            |            |

| a zone or compartment | Number of outbreaks   | District    | Village | Unit Type | Location  | Latitude    | Longitude | Start Date | End Date: |
|-----------------------|-----------------------|-------------|---------|-----------|-----------|-------------|-----------|------------|-----------|
| Species               | Measuring units       | Susceptible | Cases   | Deaths    | Destroyed | Slaughtered |           |            |           |
| Affected Population   | Commercial layer farm |             |         |           |           |             |           |            |           |

| a zone or compartment            | Number of outbreaks                                    | District    | Village     | Unit Type | Location  | Latitude    | Longitude | Start Date | End Date:  |
|----------------------------------|--|-------------|-------------|-----------|-----------|-------------|-----------|------------|------------|
| Species                          | Measuring units  | Susceptible | Cases       | Deaths    | Destroyed | Slaughtered |           |            |            |
| BAGMATI-other report - submitted | -  | Nuwakot     | Chaughada 1 | Farm      | Raigaon   | 27.9061     | 85.2497   | 30/12/2012 | 03/01/2013 |
| Birds                            | Animals  | 499         | 101         | 101       | 398       | 0           |           |            |            |
| Affected Population              | Local birds raised in a village in a free-range system |             |             |           |           |             |           |            |            |

| a zone or compartment            | Number of outbreaks   | District    | Village     | Unit Type | Location    | Latitude    | Longitude | Start Date | End Date:  |
|----------------------------------|-----------------------|-------------|-------------|-----------|-------------|-------------|-----------|------------|------------|
| Species                          | Measuring units       | Susceptible | Cases       | Deaths    | Destroyed   | Slaughtered |           |            |            |
| BAGMATI-other report - submitted | -                     | Kathmandu   | Sitapaila 1 | Farm      | Sitapaila 1 | 27.70575    | 85.2749   | 31/12/2012 | 03/01/2013 |
| Birds                            | Animals               | 3000        | 360         | 360       | 2640        | 0           |           |            |            |
| Affected Population              | Commercial layer farm |             |             |           |             |             |           |            |            |

| a zone or compartment              | Number of outbreaks  | District    | Village                    | Unit Type | Location   | Latitude    | Longitude | Start Date | End Date:  |
|------------------------------------|--|-------------|----------------------------|-----------|------------|-------------|-----------|------------|------------|
| Species                            | Measuring units  | Susceptible | Cases                      | Deaths    | Destroyed  | Slaughtered |           |            |            |
| GANDAKI- (this report - submitted) | -  | Kaski       | Pokhara Sub Metro Polis 17 | Farm      | Kosheghari | 28.18335    | 83.965287 | 02/01/2013 | 16/01/2013 |
| Birds                              | Animals  | 1100        | 272                        | 272       | 828        | 0           |           |            |            |
| Affected Population                | A commercial broiler farm with birds raised in an intensive farming system |             |                            |           |            |             |           |            |            |

| a zone or compartment              | Number of outbreaks  | District    | Village                   | Unit Type | Location  | Latitude    | Longitude | Start Date | End Date:  |
|------------------------------------|--|-------------|---------------------------|-----------|-----------|-------------|-----------|------------|------------|
| Species                            | Measuring units  | Susceptible | Cases                     | Deaths    | Destroyed | Slaughtered |           |            |            |
| GANDAKI- (this report - submitted) | -  | Kaski       | Pokhara Sub Metro Polis 1 | Farm      | Simpani   | 28.246524   | 83.979302 | 06/01/2013 | 16/01/2013 |
| Birds                              | Animals  | 255         | 150                       | 150       | 105       | 0           |           |            |            |
| Affected Population                | A commercial broiler farm with birds raised in an intensive farming system |             |                           |           |           |             |           |            |            |

| a zone or compartment              | Number of outbreaks  | District    | Village                    | Unit Type | Location    | Latitude    | Longitude | Start Date | End Date:  |
|------------------------------------|--|-------------|----------------------------|-----------|-------------|-------------|-----------|------------|------------|
| Species                            | Measuring units  | Susceptible | Cases                      | Deaths    | Destroyed   | Slaughtered |           |            |            |
| GANDAKI- (this report - submitted) | -  | Kaski       | Pokhara Sub Metro Polis 16 | Farm      | Batulechaur | 28.246524   | 83.979302 | 06/01/2013 | 16/01/2013 |
| Birds                              | Animals  | 200         | 90                         | 90        | 110         | 0           |           |            |            |
| Affected Population                | A commercial broiler farm with birds raised in an intensive farming system |             |                            |           |             |             |           |            |            |

| a zone or compartment              | Number of outbreaks  | District    | Village       | Unit Type | Location  | Latitude    | Longitude | Start Date | End Date:  |
|------------------------------------|--|-------------|---------------|-----------|-----------|-------------|-----------|------------|------------|
| Species                            | Measuring units  | Susceptible | Cases         | Deaths    | Destroyed | Slaughtered |           |            |            |
| GANDAKI- (this report - submitted) | -  | Kaski       | Sarangkot - 7 | Farm      | Sedibagar | 28.226594   | 83.955272 | 06/01/2013 | 16/01/2013 |
| Birds                              | Animals  | 1605        | 600           | 600       | 1005      | 0           |           |            |            |
| Affected Population                | A commercial broiler farm with birds raised in an intensive farming system |             |               |           |           |             |           |            |            |

| a zone or compartment            | Number of outbreaks | District    | Village              | Unit Type | Location      | Latitude    | Longitude | Start Date | End Date: |
|----------------------------------|---------------------|-------------|----------------------|-----------|---------------|-------------|-----------|------------|-----------|
| Species                          | Measuring units     | Susceptible | Cases                | Deaths    | Destroyed     | Slaughtered |           |            |           |
| BAGMATI-other report - submitted | -                   | Bhaktapur   | Madhyapur Thimi - 16 | Village   | Manohara Phat | 27.67236    | 85.35517  | 08/01/2013 |           |
| Birds                            | Animals             | 10          | 10                   | 10        | 0             | 0           |           |            |           |

| a zone or compartment | Number of outbreaks                                      | District    | Village | Unit Type | Location  | Latitude    | Longitude | Start Date | End Date: |
|-----------------------|--|-------------|---------|-----------|-----------|-------------|-----------|------------|-----------|
| Species               | Measuring units  | Susceptible | Cases   | Deaths    | Destroyed | Slaughtered |           |            |           |
| Affected Population   | Backyard chicken raised by a household in confined area. |             |         |           |           |             |           |            |           |

### Outbreak summary: Total outbreaks = 12 (Submitted)

| Species | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
|---------|-------------|-------|--------|-----------|-------------|
| Birds   | 19137       | 10881 | 10881  | 8256      | 0           |

### Epidemiology

#### Epidemiological comments

Birds showed respiratory distress, nervous signs 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

| Applied  | To be applied   |
|--|---|
| <ul style="list-style-type: none"> <li>• movement control inside the country</li> <li>• screening</li> <li>• disinfection of infected premises/establishment(s)</li> <li>• dipping / spraying</li> <li>• quarantine</li> <li>• stamping out</li> <li>• control of wildlife reservoirs</li> </ul> | <ul style="list-style-type: none"> <li>• no planned control measures</li> </ul> |
| Animals treated  | Vaccination Prohibited  |
| No   | Yes   |

### Diagnostic test results

| Laboratory Type     | Name of Laboratory            | Species | Test Type                       | Date Results Provided | Result   |
|---------------------|-------------------------------|---------|---------------------------------|-----------------------|----------|
| National laboratory | Central Veterinary Laboratory | Birds   | polymerase chain reaction (PCR) | 13/01/2013            | Positive |
| National laboratory | Central Veterinary Laboratory | Birds   | rapid tests                     | 13/01/2013            | Positive |

### Future Reporting

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

## Outbreak maps

