

# Follow-up report No.: 1

Report reference: , OIE Ref: 6783, Report Date: 09/02/2008, Country: India

## Report Summary

<b>Disease</b>	Highly pathogenic avian influenza	<b>Animal type</b>	Terrestrial
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Serotype(s)</b>	H5N1
<b>Clinical Signs</b>	Yes	<b>Reason</b>	Reoccurrence of a listed disease
<b>Date of first confirmation of the event</b>	15/01/2008	<b>Date of Start of Event</b>	04/01/2008
<b>Date of report</b>	09/02/2008	<b>Date Submitted To OIE</b>	09/02/2008
<b>Diagnosis</b>	Laboratory (basic), Laboratory (advanced)	<b>Date Of Last Occurrence</b>	02/08/2007
<b>Number Of Reported Outbreaks</b>	Submitted= 33, Draft= 0	<b>Name of Sender of the report</b>	Dr Pradeep Kumar
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## Outbreak (other report - submitted)

WEST BENGAL	Birbhum	Rampurhat	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Birbhum	Rampurhat	Village	Rampurhat, Nalhati, Mayureswar	24,319	88,377	04/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	819078	35525	35525	0	0		
<b>Affected Population</b> backyard poultry mainly in small and marginal farms in three villages.								
Note by the OIE's Animal Health Information Department: This information is a sum up of outbreaks occurring in three villages.								

## Outbreak (other report - submitted)

WEST BENGAL	Dakshin Dinajpur	Balurghat	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Dakshin Dinajpur	Balurghat	Farm	Balurghat	25,3606	88,7228	07/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1710	261	261	0	0		

<b>Affected Population</b>	a small farm with a capacity for about 2000 birds
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### Outbreak (this report - submitted)

WEST BENGAL	Nadia	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Nadia	Village	Tehatta-II	23,4504	88,3484	15/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	118255	1057	1057	113	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

### Outbreak (this report - submitted)

WEST BENGAL	Burdwan	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Burdwan	Village	Mangolkote, Purbasthali II	23,2393	87,8623	15/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	467973	9592	9592	...	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms in two villages					

### Outbreak (this report - submitted)

WEST BENGAL	Murshidabad	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Murshidabad	Village	Khagram, Burdwan, Nowda, Nabagram	24,1676	88,2408	15/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	963331	12194	12194	323	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms in four villages					

### Outbreak (this report - submitted)

WEST BENGAL	Murshidabad	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Murshidabad	Village	Siti-I, Sagardighi, Beldanga-I	24,1694	88,2627	17/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	864512	3557	3557	3181	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms in three villages					

### Outbreak (this report - submitted)

WEST BENGAL	Nadia	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Nadia	Village	Krishnanagar-I, Tehatta-I, Kaliganj	23,4136	88,4467	17/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	622774	613	613	856	0	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms in three villages					

**Outbreak (this report - submitted)**

WEST BENGAL	Bankura	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Bankura	Village	Saltora	23,249	87,0806	17/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	64473	400	400	...	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

**Outbreak (this report - submitted)**

WEST BENGAL	Birbhum	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Birbhum	Village	Mohammed Bazar, Nanur	23,8018	87,7133	17/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	378551	41500	41500	85657	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms in two villages					

**Outbreak (this report - submitted)**

WEST BENGAL	Bankura	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Bankura	Village	Mejia	23,249	87,0806	19/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	...	380	380	800	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

**Outbreak (this report - submitted)**

WEST BENGAL	Malda	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Malda	Village	Chachal-I	25,0954	88,1499	19/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	229957	...	...	...	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

**Outbreak (this report - submitted)**

WEST BENGAL	Burdwan	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Burdwan	Village	Ktugram, Jamuria, Galsi	23,2439	87,8802	19/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	227951	...	...	90905	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms in three villages					

**Outbreak (this report - submitted)**

WEST BENGAL	Birbhum	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Birbhum	Village	Nalhatti-I, Bolpur-Sriniketan	23,8018	87,7133	19/01/2008	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	205353	863	863	95770	...
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms in two villages				

### Outbreak (this report - submitted)

WEST BENGAL	Nadia	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Nadia	Village	Krishnanagar-I, Nakashapara, Haringhata	23,4136	88,4467	19/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	215840	615	615	27884	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms in three villages					

### Outbreak (this report - submitted)

WEST BENGAL	Murshidabad	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Murshidabad	Village	Kandi	24,1694	88,2627	21/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	308278	10889	10889	297389	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

### Outbreak (this report - submitted)

WEST BENGAL	Birbhum	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Birbhum	Village	Mayureswar II, Khoirasole	23,8018	87,7133	22/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	328380	2840	2840	325540	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms in two villages					

### Outbreak (this report - submitted)

WEST BENGAL	Howrah	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Howrah	Village	Sankrail	22,591	88,3115	22/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	106270	235	235	...	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

### Outbreak (this report - submitted)

WEST BENGAL	Purulia	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Purulia	Village	Santuri	23,3273	86,3616	22/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	33285	130	130	...	...	

<b>Affected Population</b>	backyard poultry mainly in small and marginal farms
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### Outbreak (this report - submitted)

WEST BENGAL	Coochbehar	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Coochbehar	Village	Dinhata-I	26,14	89,4562	23/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	312640	...	...	...	...	...
<b>Affected Population</b>	backyard poultry mainly in small and marginal farms						

### Outbreak (this report - submitted)

WEST BENGAL	Hooghly	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Hooghly	Village	Balagarh	23,0017	88,1269	23/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	114927	...	...	...	...	...
<b>Affected Population</b>	backyard poultry mainly in small and marginal farms						

### Outbreak (this report - submitted)

WEST BENGAL	Burdwan	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Burdwan	Village	Raniganj	23,2439	87,8802	23/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	76707	...	...	76707	...	...
<b>Affected Population</b>	backyard poultry mainly in small and marginal farms						

### Outbreak (this report - submitted)

WEST BENGAL	Birbhum	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Birbhum	Village	Mayureswar-I	23,8018	87,7133	25/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	210236	53	53	210183	0	
<b>Affected Population</b>	backyard poultry mainly in small and marginal farms						

### Outbreak (this report - submitted)

WEST BENGAL	Murshidabad	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Murshidabad	Village	Shamsirganj	24,1694	88,2627	25/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	211920	1975	1975	209945	0	
<b>Affected Population</b>	backyard poultry mainly in small and marginal farms						

**Outbreak (this report - submitted)**

WEST BENGAL	South 24 Parganas	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	South 24 Parganas	Village	Caning-2	22,0935	88,3604	25/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	93981	2012	2012	91969	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

**Outbreak (this report - submitted)**

WEST BENGAL	South 24 Parganas	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	South 24 Parganas	Village	Budge-Budge-II	22,0935	88,3604	25/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	...	1188	1188	...	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

**Outbreak (this report - submitted)**

WEST BENGAL	Coochbehar	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Coochbehar	Village	Mathabhanga-I	26,14	89,4562	25/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	28159	300	300	27859	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

**Outbreak (this report - submitted)**

WEST BENGAL	Paschim Mednipur	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Paschim Mednipur	Village	Debra	22,4242	87,3567	25/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	...	...	...	...	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

**Outbreak (this report - submitted)**

WEST BENGAL	Murshidabad	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Murshidabad	Village	Raghunathganj-II	24,1694	88,2627	26/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	73342	469	469	72873	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

**Outbreak (this report - submitted)**

WEST BENGAL	Hooghly	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Hooghly	Village	Chanditala-II	23,0017	88,1269	26/01/2008	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	35917	69	69	35848	...
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms				

### Outbreak (this report - submitted)

WEST BENGAL	Birbhum	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Birbhum	Village	Suri-I	23,8018	87,7133	26/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	14913	...	...	14913	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

### Outbreak (this report - submitted)

WEST BENGAL	Birbhum	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Birbhum	Village	Suri-I, Mayureswar I, Nanur	23,8018	87,7133	26/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	372711	25	25	124402	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms in three villages					

### Outbreak (this report - submitted)

WEST BENGAL	Howrah	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Howrah	Village	Panchla	22,591	88,3115	26/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	126301	235	235	126066	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

### Outbreak (this report - submitted)

WEST BENGAL	Nadia	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Nadia	Village	Kalyani	23,4136	88,4467	26/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	233125	9	9	233116	...	
<b>Affected Population</b>		backyard poultry mainly in small and marginal farms					

### Outbreak summary: Total outbreaks = 33 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	7860850	126986	126986	2152299	0

### Epidemiology

Epidemiological comments
Epidemiological investigation is ongoing. Stamping out of all domestic poultry is being applied in an approximately 5-km-radius zone around the outbreaks followed by compensation of the owners. An intensive surveillance campaign has been launched in a 10-km-radius zone including:

- closure of poultry markets and prohibition on sale and transportation of poultry products in the infected zone;

- disinfection of premises after culling and sealing of premises where appropriate.

Restocking will be applied in accordance with a specific protocol.

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

## Control Measures

<b>Applied</b>	<ul style="list-style-type: none"> <li>• Stamping out</li> <li>• Quarantine</li> <li>• Movement control inside the country</li> <li>• Screening</li> </ul>	<b>To be applied</b>	<ul style="list-style-type: none"> <li>• Disinfection of infected premises/establishment(s)</li> <li>• Dipping / Spraying</li> </ul>
		<b>Vaccination Prohibited</b>	No
<b>Animals treated</b>	No		

## Country / Zone

**Country or zone** a zone or compartment

## Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	02/02/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	real-time PCR	02/02/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	30/01/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	real-time PCR	30/01/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	29/01/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	real-time PCR	29/01/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	27/01/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	real-time PCR	27/01/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	25/01/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	23/01/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	virus isolation	22/01/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	virus isolation	20/01/2008	Positive
National laboratory	High Security Animal Disease Laboratory, Bhopal	Birds	virus isolation	19/01/2008	Positive

## Future Reporting

**What further reports will be submitted in relation to this event?**

There are 33 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

## Outbreak map

