

Follow-up report No.: 4

Report reference: , OIE Ref: 6995, Report Date: 01/05/2008, Country: India

Report Summary

Disease	Highly pathogenic avian influenza	Animal type	Terrestrial
Causal Agent	Highly pathogenic avian influenza virus	Serotype(s)	H5N1
Clinical Signs	Yes	Reason	Reoccurrence of a listed disease
Date of first confirmation of the event	15/01/2008	Date of Start of Event	04/01/2008
Date of report	01/05/2008	Date Submitted To OIE	01/05/2008
Diagnosis	Laboratory (basic), Laboratory (advanced)	Date Of Last Occurrence	02/08/2007
Number Of Reported Outbreaks	Submitted= 40, Draft= 0	Name of Sender of the report	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	66566	0		
Affected Population		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	80201	261	261	79940	0		

Affected Population	a small farm with a capacity for about 2000 birds
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Outbreak (other 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	...	
Affected Population backyard poultry mainly in small and marginal farms in four villages							

Outbreak (other 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	5553	...	
Affected Population backyard poultry mainly in small and marginal farms							

Outbreak (other 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	2560	...	
Affected Population backyard poultry mainly in small and marginal farms in two villages							

Outbreak (other 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	46129	0	
Affected Population backyard poultry mainly in small and marginal farms in three villages							

Outbreak (other 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	191320	...	
Affected Population backyard poultry mainly in small and marginal farms in three villages							

Outbreak (other 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	10076	...	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other 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	258950	...	
Affected Population		backyard poultry mainly in small and marginal farms in two villages					

Outbreak (other 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	...	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other 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	153572	...	
Affected Population		backyard poultry mainly in small and marginal farms in three villages					

Outbreak (other 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	...	
Affected Population		backyard poultry mainly in small and marginal farms in three villages					

Outbreak (other 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	...	...	104699	...
Affected Population		backyard poultry mainly in small and marginal farms				

Outbreak (other 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	...	
Affected Population		backyard poultry mainly in small and marginal farms in two villages					

Outbreak (other 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	...	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other 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	40876	...	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other 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	...	
Affected Population		backyard poultry mainly in small and marginal farms in two villages					

Outbreak (other 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	36072	130	130	35942	...	

Affected Population	backyard poultry mainly in small and marginal farms
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Outbreak (other 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	...	...	55664	...	...
Affected Population	backyard poultry mainly in small and marginal farms						

Outbreak (other 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	320941	...	...	320941	...	...
Affected Population	backyard poultry mainly in small and marginal farms						

Outbreak (other 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	...	...
Affected Population	backyard poultry mainly in small and marginal farms						

Outbreak (other 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	
Affected Population	backyard poultry mainly in small and marginal farms						

Outbreak (other 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	...	...	...	103718	...	...
Affected Population	backyard poultry mainly in small and marginal farms						

Outbreak (other 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	115247	...	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other 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	...	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other 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	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other 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	...	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other 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	...	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other 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	...
Affected Population		backyard poultry mainly in small and marginal farms				

Outbreak (other 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	...
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other 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	...	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other report - submitted)

WEST BENGAL	Birbhum	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Birbhum	Village	Suri-I, Mayureshwar I, Nanur	23,8018	87,7133	26/01/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	372711	25	25	372686	...	
Affected Population		backyard poultry mainly in small and marginal farms in three villages					

Outbreak (other 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	...	
Affected Population		backyard poultry mainly in small and marginal farms					

Outbreak (other report - submitted)

WEST BENGAL	Murshidabad	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Murshidabad	Village	Raghunathganj II, Jiaganj	24,1872	88,2569	04/03/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	49640	56	56	39728	...	

Affected Population	backyard poultry mainly in small and marginal farms
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Outbreak (other report - submitted)

WEST BENGAL	Malda	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Malda	Farm	English Bazar	24,7814	88,0257	18/03/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	44000	...	...	23572	...	
Affected Population	a small farm						

Outbreak (other report - submitted)

WEST BENGAL	Jalpaiguri	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Jalpaiguri	Village	Jalpaiguri Sadar	26,8941	88,6641	22/03/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	...	101	101	58769	...	
Affected Population	backyard poultry mainly in small and marginal farms in two villages						

Outbreak (other report - submitted)

WEST BENGAL	Nadia	Mandalpukur, Kalitala	Unit Type	Location	Latitude	Longitude	Start	End
WEST BENGAL	Nadia	Mandalpukur, Kalitala	Village	Ranaghat II	23,4504	88,3484	27/03/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	60941	200	200	60741	...		
Affected Population	backyard poultry mainly in two villages. Culling operations started on 6 April 2008.							

Outbreak (other report - submitted)

TRIPURA	Dhalai	Mohanpur	Unit Type	Location	Latitude	Longitude	Start	End
TRIPURA	Dhalai	Mohanpur	Village	Salema	23,8421	91,9784	03/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	40386	98	98	40288	...		
Affected Population	backyard poultry in one village. Culling operations started on 8 April 2008.							

Outbreak (this report - submitted)

TRIPURA	West Tripura	Hatcarra	Unit Type	Location	Latitude	Longitude	Start	End
TRIPURA	West Tripura	Hatcarra	Village	Mohanpur	23,9169	91,7541	14/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	40000	40	40	30087	...		
Affected Population	Backyard poultry in one village.							

Outbreak (this report - submitted)

TRIPURA	West Tripura	Nadilak	Unit Type	Location	Latitude	Longitude	Start	End
TRIPURA	West Tripura	Nadilak	Village	Bishalgarh	23,9169	91,7541	15/04/2008	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	35000	10	9	9025	...		
Affected Population		Backyard poultry in one village.						

Outbreak summary: Total outbreaks = 40 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	8418109	127491	127490	4136855	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

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

Country / Zone

Country or zone	a zone or compartment
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Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	High Security Animal Disease Laboratory	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	23/04/2008	Positive
National laboratory	High Security Animal Disease Laboratory	Birds	real-time PCR	19/04/2008	Positive

Future Reporting

What further reports will be submitted in relation to this event?
There are 40 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

Outbreak map

