AQUATIC ANIMAL DISEASE REPORT - 2022

Country/territory: INDIA

Item	ı	Disease status/occurrence code a/b/							ı					
DISEASES PREVALENT IN THE REGION	Month												Level of diagnosi	Epidemiologic al comment
FINFISH DISEASES	January	February	March	April	May	June	July	August	September	October	November	December	s	numbers
OIE-listed diseases														
1. Infection with Aphanomyces invadans (EUS)	+()	+()	+()	-	-	-	-	-	-	+()	+()	+()	III	1
Infection with epizootic haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
3. Infection with <i>Gyrodactylus salaris</i>	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
4. Infection with HPR-deleted or HPR0 infectious salmon anaemia virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
5. Infection with infectious haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
6. Infection with koi herpesvirus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
7. Infection with red sea bream iridovirus	+()	+()	-	+()	+()	+()	-	+()	+()	+()	+()	+()	III	2
8. Infection with salmonid alphavirus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
9. Infection with spring viremia of carp virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
10. Tilapia lake virus (TiLV)	-	+()	+()	-	-	+()	-	-	+()	-	-	-		
11. Infection with viral haemorrhagic septicaemia virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Non OIE-listed diseases of regional concern														
12. Grouper iridoviral disease	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
13. Viral encephalopathy and retinopathy	-	-	-	ı	-	-	-	-	-	-	-	-		
14. Enteric septicaemia of catfish	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
15. Carp Edema Virus Disease	+()	+()	+()	+()	-	-	-	-	-	+()	-	-	III	3
MOLLUSC DISEASES														
OIE-listed diseases														
1. Infection with abalone herpesvirus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
2. Infection with Bonamia ostreae	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
3. Infection with Bonamia exitiosa	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
4. Infection with Marteilia refringens	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
5. Infection with <i>Perkinsus marinus</i>	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		

6. Infection with <i>Perkinsus olseni</i>	-	-	-	+()	+()	-	-	+()	-	+()	+()	+()	III	4
7. Infection with Xenohaliotis californiensis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Non OIE-listed diseases of regional and national concern														
8. Infection with Marteilioides chungmuensis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
9. Acute viral necrosis (in scallops)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
CRUSTACEAN DISEASES														
OIE-listed diseases														
Acute hepatopancreatic necrosis disease (AHPND)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
2. Infection with <i>Aphanomyces astaci</i> (Crayfish plague)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
3. Decapod iridescent virus 1 (DIV-1)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
4. Infection with <i>Hepatobacter penaei</i> (Necrotising hepatopancreatitis)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
5. Infection with infectious hypodermal and haematopoietic necrosis virus	-	-	+?()	-	-	-	-	-	-	-	-	-		
6. Infection with infectious myonecrosis virus	-	-	-	-	-	-	-	-	-	+()	+()	-	III	5
7. Infection with <i>Macrobrachium rosenbergii</i> nodavirus (White Tail disease)	-	-	-	-	-	-	-	ı	-	-	-	-		
8. Infection with Taura syndrome virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
9. Infection with white spot syndrome virus	+()	+()	+()	+()	+()	+()	+()	+()	+()	+()	+()	+()	III	6
10. Infection with yellow head virus genotype 1	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Non OIE-listed diseases of regional and national concern														
11.Hepatopnacreatic Microsporidiosis caused by Enterocytozoon hepatopenaei (HPM-EHP)	+()	+()	+()	+()	+()	+()	+()	+()	+()	+()	+()	+()	III	7
12. Viral covert mortality disease (VCMD) of shrimps	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
13. Spiroplasma eriocheiris infection	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
14. Iridovirus in crayfish	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
15. Monodon slow growth syndrome	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
AMPHIBIAN DISEASES														
OIE-listed diseases														
1. Infection with Batrachochytrium dendrobatidis	***	***	***	***	***	***	***	***	***	***	***	***		
2. Infection with Batrachochytrium salamandrivorans	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		

3. Infection with Ranavirus species		0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
Prepared 1	by:													
Name:	Dr. J. Balaji													
Position:	Joint Secretary (Fisheries)													
Date:	14.03.2023													
ANY OTH	IER DISEASES OF IMPORTANCE													
	1													
2														

DISEASES PRESUMED EXOTIC TO THE REGIO

LISTED BY THE OIE

Finfish: Infection with HPR-deleted or HPR0 salmon anaemia virus; Infection with salmon pancreas disease virus;

Infection with Gyrodactylus salaris.

Molluscs: Infection with Marteilia refringens;

Perkinsus marinus .

NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

a/	Please	use	the	following	occurrence code:	

	,			
Occurrence code	<u>Definition</u>	Occurrence code	<u>Definition</u>	
Disease present	The disease is present with clinical signs in the whole country (in domestic species or wildlife)	Disease absent	The disease was absent in the country during the reporting period (in domestic species or wildlife).	
Disease limited to one or more zones +()	The disease is present with clinical signs, and limited to one or more zones/compartments (in domestic species or wildlife)	Never reported 0000	The disease has "never been reported" (historically absent) for the whole country in domestic species and wildlife.	
Infection/infestation +?	Confirmed infestation or infection using diagnostic tests, but no clinical signs observed (in domestic species or wildlife)	No information ***	No information is available regarding the presence or the absence of this disease during the reporting period (in domestic species or wildlife).	
Infection/infestation limited to one or more zones +?()	Confirmed infestation or infection using diagnostic tests, but no clinical signs observed and limited to one or more zones/compartments (in domestic species or wildlife)			
Disease suspected ?	The presence of the disease was suspected but not confirmed (in domestic species or wildlife)			
Disease suspected but not confirmed and limited to one or more zones	The presence of the disease was suspected but not confirmed and limited to one or more zones/compartments (in domestic species or wildlife)			

b/ If there is suspicion or confirmation of any of these diseases, they must be reported immediately, because the region is considered

free of these diseases

If the historical data been adjusted please highlighted thoese information,

1/ Listed by OIE as "under study"

1. Epidemiological comments:

(Comments should include: 1) Origin of the disease or pathogen (history of the disease); 2) Species affected; 3) Disease characteristics (unusual clinical signs or lesions); 4) Pathogen (isolated/sero-typed); 5) Mortality rate (high/low; decreasing/increasing); 6) Death toll (economic loss, etc); 7) Size of infected areas or names of infected areas; 8) Preventive/control measures taken; 9) Samples sent to national or international laboratories for confirmation (indicate the names of laboratories); 10) Published paper (articles in journals/website, etc). and 11) Unknown diseases: describe details as much as possible.)

	Comment No.	
	1	Infection with Aphanomyces invadans was detected in Puntius japonicus, Labeo rohita and Cirrhinus mrigala from very limited areas of Sepahijala district of Tripura. It was also reported in Channa marulius from very limited areas of Barabanki and Siddharthnagar districts of Uttar Pradesh.
	2	Infection with Infectious Spleen and Kidney Necrosis Virus (ISKNV) was detected in Mikrogeophagus ramirezi and Pterophyllum scalare from very limited areas of Dakshin Kannada district of Karnataka. It was also reported in Astronotus ocellatus and Lates calcarifer from very limited areas of Thrissur and Ernakulam districts of Kerala.
ſ	3	Carp Edema Virus Disease was reported in Koi carp from very limited areas of Khordha district of Odisha.

4	Infection with Perkinsus olseni was detected from wild samples of Perna viridis in Kasaragod, Kannur and Kozhikode districts of Kerala.
5	Infection with Infectious Myonecrosis Virus (IMNV) was reported in <i>Penaeus vannamei</i> from very limited areas of Bapatla and Krishna districts of Andhra Pradesh and Nagapattinam district of Tamil Nadu.
6	Infection with White spot syndrome virus (WSSV) was reported in <i>Penaeus monodon</i> and in <i>Penaeus vannamei</i> from very limited areas of Surat and Bhavnagar districts of Gujrat. The WSSV infection in <i>Penaeus vannamei</i> reported from very limited areas of Krishna district of Andhra Pradesh, in Ganjam district of Odisha, Raigad district of Maharashtra, Kannur district of Kerala and Uttara Kannada district of Karnataka, in Ernakulam districts of Kerala, and Mayiladuthurai, Nagapattinam, Thanjavur and Thoothukudi districts of Tamil Nadu.
7	Infection with Enterocytozoon hepatopenaei was detected in Penaeus vannamei from very limited areas of Fazilka district of Punjab, in Uttara Kannada district of Karnataka, in Sindhudurg and Ratnagiri districts of Maharashtra, in Bapatla and Anakapalle districts of Andhra Pradesh and Ramanathapuram, Thoothukudi, Nagapattinam, Mayiladuthurai, Thanjavur, Pudhukottai and Cuddalore districts of Tamil Nadu.
2. New aquatic anim	nal health regulations introduced within past six months (with effective date):