

QUARTERLY AQUATIC ANIMAL DISEASE REPORT – 2024

Country:	INDIA			Period:	October to December, 2024	
Item	Disease status ^{a/}			Level of diagnosis	Epidemiological comment numbers	
DISEASES PREVALENT IN THE REGION	Month					
FINFISH DISEASES	October	November	December			
WOAH-listed diseases						
1. Infection with <i>Aphanomyces invadans</i> (epizootic ulcerative syndrome)	-	-	-			
2. Infection with epizootic haematopoietic necrosis virus	0000	0000	0000			
3. Infection with <i>Gyrodactylus salaris</i>	0000	0000	0000			
4. Infection with HPR-deleted or HPR0 infectious salmon anaemia virus	0000	0000	0000			
5. Infection with infectious haematopoietic necrosis virus	0000	0000	0000			
6. Infection with koi herpesvirus	0000	0000	0000			
7. Infection with red sea bream iridovirus	+()	-	-	III	1	
8. Infection with salmonid alphavirus	0000	0000	0000			
9. Infection with spring viraemia of carp virus	0000	0000	0000			
10. Infection with tilapia lake virus	-	-	-			
11. Infection with viral haemorrhagic septicaemia virus	0000	0000	0000			
Non WOAH-listed diseases of regional concern						
12. Grouper iridoviral disease	0000	0000	0000			
13. Viral encephalopathy and retinopathy	-	-	+()	III	2	
14. Enteric septicaemia of catfish	+()	-	-	III	3	
15. Carp Edema Virus Disease	-	-	-			
MOLLUSC DISEASES						
WOAH-listed diseases						
1. Infection with abalone herpesvirus	0000	0000	0000			
2. Infection with <i>Bonamia ostreae</i>	0000	0000	0000			
3. Infection with <i>Bonamia exitiosa</i>	0000	0000	0000			
4. Infection with <i>Marteilia refringens</i>	0000	0000	0000			
5. Infection with <i>Perkinsus marinus</i>	0000	0000	0000			
6. Infection with <i>Perkinsus olseni</i>	+()	-	-	III	4	
7. Infection with <i>Xenohalotis californiensis</i>	0000	0000	0000			
Non WOAH-listed diseases of regional and national concern						
8. Infection with <i>Marteilioides chungmuensis</i>	0000	0000	0000			
9. Acute viral necrosis (in scallops)	0000	0000	0000			
CRUSTACEAN DISEASES						
WOAH-listed diseases						
1. Acute hepatopancreatic necrosis disease	0000	0000	0000			
2. Infection with <i>Aphanomyces astaci</i> (Crayfish plague)	0000	0000	0000			
3. Decapod iridescent virus 1	0000	0000	0000			
4. Infection with <i>Hepatobacter penaei</i> (Necrotising hepatopancreatitis)	0000	0000	0000			
5. Infection with infectious hypodermal and haematopoietic necrosis virus	-	-	-			
6. Infection with infectious myonecrosis virus	-	-	-			
7. Infection with <i>Macrobrachium rosenbergii</i> nodavirus (White tail disease)	-	-	-			
8. Infection with taura syndrome virus	0000	0000	0000			
9. Infection with white spot syndrome virus	+()	+()	+()	III	5	

10. Infection with yellow head virus genotype 1	0000	0000	0000		
Non WOAH-listed diseases of regional and national concern					
11. Hepatopancreatic Microsporidiosis caused by <i>Enterocytozoon hepatopenaei</i> (HPM-EHP)	+()	+()	+()	III	6
12. Viral covert mortality disease (VCMD) of shrimps	0000	0000	0000		
13. <i>Spiroplasma eriocheiris</i> infection	0000	0000	0000		
14. Iridovirus in crayfish	0000	0000	0000		
15. Monodon slow growth syndrome	0000	0000	0000		
AMPHIBIAN DISEASES					
WOAH-listed diseases					
1. Infection with <i>Batrachochytrium dendrobatidis</i>	***	***	***		
2. Infection with <i>Batrachochytrium salamandrivorans</i>	0000	0000	0000		
3. Infection with Ranavirus	0000	0000	0000		
ANY OTHER DISEASES OF IMPORTANCE					
1. Tilapia parvovirus	+()	-	+()	III	7

Prepared by:

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Position: Joint Secretary (Fisheries)

Signature: _____

Date: _____

Submitted by:

Name: Ms. Alka Upadhyaya

Position: Secretary (AHD)

Signature: _____

Date: _____

DISEASES PRESUMED EXOTIC TO THE REGION^b

LISTED BY THE WOAH

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 WOAH

Finfish: Channel catfish virus disease

a/ Please use the following symbols:

+	Disease present	?()	Disease suspected but not confirmed and limited to one or more zones
+?	Infection/infestation	***	No information
?	Disease suspected	0000	Never reported
+()	Disease limited to one or more zones	-	Disease absent
+?()	Infection/infestation limited to one or more zones	(year)	Year of last occurrence

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

1/ Listed by WOAH 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 Infectious spleen and kidney necrosis virus was detected in <i>Astronotus ocellatus</i> , <i>Andinoacara pulcher</i> , <i>Pterophyllum scalare</i> and <i>Amphilophus</i> hybrid from very limited areas of Kolathur district of Tamil Nadu and Thrissur and Alappuzha districts of Kerala.

2	Viral encephalopathy and retinopathy was detected in <i>Lutjanus argentimaculatu</i> from very limited areas of Thrissur district of Kerala.
3	Infection with <i>Edwardsiella ictaluri</i> was diagnosed in <i>Pangasianodon hypophthalmus</i> samples collected in the month of September 2024 from very limited area of Chandauli district of Uttar Pradesh.
4	Infection with <i>Perkinsus olseni</i> was detected in wild <i>Perna viridis</i> from very limited areas of Kozhikode district of Kerala.
5	Infection with White spot syndrome virus was detected in <i>Penaeus vannamei</i> from very limited areas of Ernakulam district of Kerala; Nagapattinam and Ramanathapuram districts of Tamil Nadu; SPSR Nellore, Kakinada, East Godavari, West Godavari, Konaseema, Srikakulam, Anakapalli, Krishna and Prakasam districts of Andhra Pradesh; and Navsari and Bharuch districts of Gujarat.
6	Infection with <i>Enterocytozoon hepatopenaei</i> was detected in <i>Penaeus vannamei</i> from limited areas of Mayiladuthurai, Nagapattinam, Thiruvallur, Thanjavur, Pudukkottai and Ramanathapuram districts of Tamil Nadu; SPSR Nellore, Kakinada, East Godavari, West Godavari, Vishakhapatnam, Konaseema, Guntur, Krishna, Prakasam and Eluru districts of Andhra Pradesh; Purba Medinipur district of West Bengal; Navsari, Bharuch, Surat, Anand, Valsad and Bhavnagar districts of Gujarat; Ratnagiri and Raigad districts of Maharashtra; Uttar Kannada district of Karnataka; and Thrissur district of Kerala.
7	Infection with Tilapia parvovirus was detected in <i>Oreochromis niloticus</i> from very limited areas of Jhajjar district of Haryana; Krishnagiri district of Tamil Nadu and Idukki district of Kerala.

2. New aquatic animal health regulations introduced within past six months (with effective date): Notification No. S.O. 995(E) and S.O. 996 (E) dated 1st April, 2014 issued under Prevention and Control of Infectious and Contagious Diseases in Animals Act, 2009