

AQUATIC ANIMAL DISEASE REPORT - 2023

Country/territory:	INDIA
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[illegible]

[illegible]

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 species	0000	0000	0000											
Prepared by: Name: Dr. J. Balaji Position: Joint Secretary (Fisheries) Date: 21.07.2023														
ANY OTHER DISEASES OF IMPORTANCE														
1														
2														

**DISEASES PRESUMED EXOTIC TO THE REGION
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 WOA**Finfish:** Channel catfish virus disease

a/ Please use the following occurrence code:

<u>Occurrence code</u>	<u>Definition</u>	<u>Occurrence code</u>	<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 those information.

1/ Listed by WOA 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 <i>Aphanomyces invadans</i> was detected in <i>Oreochromis</i> sp. and <i>Channa</i> sp. from very limited areas of Mysore district of Karnataka. It was also reported in <i>Labeo rohita</i> , <i>Cirrhinus mrigala</i> , <i>Ctenopharyngodon idella</i> , <i>Channa striata</i> , and <i>Wallago attu</i> from very limited areas of Barabanki district of Uttar Pradesh. It was also reported in <i>Labeo rohita</i> , <i>Labeo gonius</i> , <i>Labeo catla</i> , <i>Cirrhinus mrigala</i> ; <i>Hypophthalmichthys molitrix</i> from very limited areas of Dhalai district of Tripura. The disease was also reported in <i>Channa marulius</i> from very limited areas of Ernakulam districts of Kerala.
2	Red sea bream iridoviral disease was reported in <i>Lates calcarifer</i> from very limited areas of Malappuram district of Kerala.
3	Infection with tilapia lake virus was reported in <i>Oreochromis niloticus</i> from very limited areas of Ernakulam district of Kerala.
4	Carp Edema Virus Disease was reported in Koi carp from very limited areas of Thiruvallur district of Tamil Nadu and Ernakulam district of Kerala.
5	Infection with <i>Perkinsus olseni</i> was detected from farmed <i>Perna viridis</i> in Kasaragod, Kannur and Kozhikode districts of Kerala, and Uttara Kannada and Udupi districts of Karnataka. It was also reported from wild samples of <i>Mytella strigata</i> and <i>Paphia malabarica</i> in Mangalore district of Karnataka and Kannur district of Kerala.
6	Infection with Infectious Myonecrosis Virus (IMNV) was reported in <i>Penaeus vannamei</i> from very limited areas of Palghar district of Maharashtra.
7	Infection with White spot syndrome virus (WSSV) was reported in <i>Penaeus monodon</i> from very limited areas of Kannur districts of Kerala. The WSSV infection in <i>Penaeus vannamei</i> reported from very limited areas of Palghar district of Maharashtra, Udupi and Uttara Kannada district of Karnataka, and Cuddalore and Ramanathapuram districts of Tamil Nadu.
8	Infection with Enterocytozoon hepatopenaei (EHP) was detected in <i>Penaeus vannamei</i> from very limited areas of Kannur district of Kerala, in Uttara Kannada district of Karnataka, in Palghar and Raigarh districts of Maharashtra, in Nellore districts of Andhra Pradesh and Mayiladuthurai, Thiruvallur, Thanjavur, Pudukottai and Cuddalore districts of Tamil Nadu.
2. New aquatic animal health regulations introduced within past six months (with effective date):	