## AQUATIC ANIMAL DISEASE REPORT - 2023

Country/territory: INDIA

Item					I	Disease sta	tus/occurr	ence code a	a/b/					Epidemiologic
DISEASES PREVALENT IN THE REGION		Months											Level of diagnosis	al comment
FINFISH DISEASES	January	February	March	April	May	June	July	August	September	October	November	December	diagnosis	numbers
OIE-listed diseases														
1. Infection with Aphanomyces invadans (EUS)	+()	+()	+()	+()	+()	+()	-	+()	-	+()	+()	-	II, III	1
Infection with epizootic haematopoietic necrosis virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
3. Infection with Gyrodactylus salaris	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		
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		
Infection with spring viremia of carp virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
10. Tilapia lake virus (TiLV)	+()	-	-	-	_	+()	+()	-	+()	-	+()	+()	III	3
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	-	-	-	-	-	-	-	-	-	-	-	-		
14. Enteric septicaemia of catfish	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
15. Carp Edema Virus Disease	+()	+()	+()	-	-	-	+()	-	-	-	-	-		
MOLLUSC DISEASES														
OIE-listed diseases														
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 Perkinsus marinus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Infection with Perkinsus olseni     Infection with Xenohaliotis californiensis	+()	+()	+()	+()	+()	+()	+()	0000	+()	+()	+()	+()	III	4
Non OIE-listed diseases of regional and national concern	1	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
8. Infection with Marteilioides chungmuensis	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
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 Aphanomyces astaci (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 Hepatobacter penaei (Necrotising hepatopancreatitis)	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Infection with infectious hypodermal and haematopoietic necrosis virus	-	-	-	+()	-	-	-	-	-	-	-	-		
6. Infection with infectious myonecrosis virus	-	+()	+()	-	+()	+()	-	-	+()	-	-	+()	III	5
7. Infection with Macrobrachium rosenbergii nodavirus (White Tail disease)	-	-	-	-	-	-	-	-	-	-	-	-		
8. Infection with Taura syndrome virus	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
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	1													
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														ļ
OIE-listed diseases  1. Infection with Batrachochytrium dendrobatidis	***	***	***	***	***	***	***	***	***	***	***	***		
Infection with Batrachochytrium salamandrivorans	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
·												0000		<del>                                     </del>
3. Infection with Ranavirus species ANY OTHER DISEASES OF IMPORTANCE	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		<u> </u>
1. Tilapia parvovirus	0000	0000	0000	0000	0000	0000	+()	-	+()	+()	+()	+()	III	8
							- 0	L						1

### Prepared by:

Name: Shri Sagar Mehra Position: Joint Secretary (Fisheries)

Date: 20.03.2024

ANY OTHER DISEASES OF IMPORTANCE							
1							
2							

# DISEASES PRESUMED EXOTIC TO THE REGION<sup>b</sup>

LISTED BY THE OIE

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

ancreas disease virus;

Infection with Gyrodactylus salaris.

Molluscs: Infection with Marteilia refringens; Perkinsus marinus .

### NOT LISTED BY THE OIE

Finfish: Channel catfish virus disease

r minste Chamier ca	trish virus disease		
a/ Please use the following	occurrence code:		
Occurrence code	<b>Definition</b>	Occurrence code	Definition
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 domest species or wildlife).
Disease limited to one or m zones +( )	ore 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 count 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 t presence or the absence of this diseas during the reporting period (in domest species or wildlife).

ction/infestation limited to cettes, but no elinical signs observed and limited to one or more zones +2() Confirmed infestation or infection using diagnostic tests, but no elinical 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.)

names of laboratoric	es), 10) Fublished paper (articles in journals/website, etc), and 11) Orikhown diseases, describe details as much as possible.)
Comment No.	
1	Infection with Aphanomyces invadans was detected in Channa marulius from very limited areas of Thrissur and Kannur districts of Kerala.
2	Infection with Infectious spleen and kidney necrosis virus was detected in Lates calcarifer from very limited areas of Thrissur district of Kerala.
3	Infection with Tilapia lake virus was detected in Oreochromis niloticus from very limited areas of Krishnagiri district of Tamil Nadu and Raigad district of Maharashtra.
4	Infection with Perkinsus olseni was detected in farmed Perna viridis and Arca sp. from Kasaragod, Malappuram, Kollam and Kozhikode districts of Kerala.
5	Infection with Infectious myonecrosis virus (IMNV) was detected in Penaeus vannamei from very limited areas of Thiruvallur district of Tamil Nadu.
6	Infection with White spot syndrome virus (WSSV) was detected in Penaeus vannamei from very limited areas of Thiruvallur and Ramanathapuram districts of Tamil Nadu; Uttara Kannada district of Karnataka; Thrissur district of Kerala and Nellore district of Andhra Pradesh.
7	Infection with Enterocytozoon hepatopenaei (EHP) was detected in Penaeus vannamei from very limited areas of Thiruvallur, Mayiladuthurai, Nagapattinam, Thanjavur, Ramanathapuram, Pudukkottai districts of Tamil Nadu; Uttara Kannade district of Karnataka; Raigad district of Maharashtra; Nellore and Krishna districts of Andhra Pradesh; Kannur and Thrissur districts of Kerala and Gir-Somnath district of Gujarat.
8	Infection with Tilapia parvovirus was detected in Oreochromis niloticus from very limited areas of Ernakulam district of Kerala; Krishnagiri, Tirunelveli and Thanjavur districts of Tamil Nadu.

2. New aquatic animal health regulations introduced within past six months (with effective date):