

Notification

11-2/GSWA/2021-2022/Pub./1677

1. Whereas, there exists a water body known as Tarvalem Lake or Pagar tollem admeasuring an area of 46700 sq. mts. located in village Shiroda of Ponda Taluka, South Goa district, State of Goa, which is considered to be critically significant for its ecosystem services and biodiversity values for the local communities and society at large (hereinafter referred to as the "Said Tarvalem Lake"); which is more particularly described in Schedule I herein under;

2. And whereas, it is considered that for sustaining these values, the ecological character of the wetland ecosystem needs to be maintained by regulating developmental activities within the wetland as well as within its zone of influence;

3. And whereas, in terms of sub-rule (1) of rule 7 of the Wetlands (Conservation and Management) Rules, 2017, the Department of Environment and Climate Change (DoE&CC) Government of Goa, through GSWA by engaging services of CSIR – NIO had prepared a Brief Document for identifying the Said Tarvalem Lake as wetland;

4. And whereas, based on the Brief Document Goa State Wetland Authority (GSWA) in the 11th meeting of the GSWA recommended the Government of Goa to notify the Said Tarvalem Lake as a wetland under the provisions of Wetlands (Conservation and Management) Rules, 2017.

5. Hence the Draft Notification was issued by the Department of Environment and Climate Change (DoE&CC) Government of Goa in the exercise of powers conferred under Rule 7 of Wetland (Conservation & Management) Rules, 2017, is hereby published for the information of public.

6. And whereas, the time for receiving objections is now over in the fixed duration the objections of the general public have been heard and decided, according to the said rules;

7. Hence this notification is issued by the Department of Environment and Climate Change (DoE&CC), Government of Goa, in exercise of powers conferred under Rule 7 of Wetland (Conservation and Management) Rules, 2017 read with Environment (Protection) Act, 1986 (29 of 1986) is hereby published for the information of the persons;

8. The extent of the wetland and its zone of influence is described in Schedule I of this notification;

9. Activities prohibited within the wetland and its zone of influence are listed in Schedule II of this notification. Such prohibitions shall not apply for areas designated under other Acts and Rules and listed at para 1.2 (a), (b), and (c) of Schedule I. Relevant provisions of respective Acts and Rules shall apply in such areas.

10. Activities regulated within the wetland and their zones of influence, i.e. permitted only with permission of State Government are listed in Schedule III of this notification. Request for permissions can be made to the Member Secretary, Goa State Wetland Authority, C/o Department of Environment and Climate Change (DoE&CC), O/o Goa State Biodiversity Board, Opposite Saligao Seminary, Saligao, Bardez, Goa, 403511, or at email—ms-gswa.goa@gov.in. Such regulations shall not apply for areas designated under other Acts and Rules and listed at para 1.2 (a), (b), and (c) of Schedule I. Relevant provisions of respective Acts and Rules shall apply in such areas.

11. Activities permitted within the wetland and its zone of influence are listed in Schedule IV of this notification. Such permissions shall not apply for areas designated under other Acts and Rules and listed at para 1.2 (a), (b), and (c) of Schedule I. Relevant provisions of respective Acts and Rules shall apply in such areas.

12. The Goa State Wetland Authority and the Ministry of Environment, Forest, and Climate Change shall monitor the enforcement of the provisions of this notification.

13. All the pre-existing ownership rights and privileges pertaining to identified and notified wetlands will be maintained. Further, no pre-existing ownership rights or property will be transferred to GSWA as a part of this notification. The status quo of the existing ownership of the notified property will be maintained.

By order and in the name of the Governor of Goa.

Dr. Geeta S. Nagvenkar, Director (Environment & Climate Change).

Panaji, 13th March, 2023.

Schedule I: Location and Extent of Wetland and its Zone of Influence

1.1. Wetland

The Said Tarvalem Lake admeasuring an area of 46700 sq. mts., surveyed under the following Survey Nos.

Taluka/ Village	Survey No./ /Sub – Div. No.	Approximate area in sq. mts.
Ponda/Shiroda	415/1	44500
	415/2	2200
Total		46700

1.2. Boundary of area already designated under provisions of other Acts and Rules.

1.2 (a) Area designated under Indian Forest Act, 1927; Forest (Conservation) Act, 1980; State Forest Act and amendments thereof.

No area of the proposed wetland known as Said Tarvalem Lake falls under the above mentioned Act.

1.2 (b) Area designated under Wildlife (Protection) Act, 1972 and amendments thereof.

No area of the proposed wetland known as Said Tarvalem Lake falls under the above mentioned Act.

1.2 (c) Area designated under the Coastal Regulation Zone Notification, 2011 and amendments thereof.

No area of the proposed wetland known as Said Tarvalem Lake falls under the above mentioned Act.

1.3. Zone of influence:

The Zone of influence of the Said Tarvalem Lake admeasuring 822589 sq. mts., includes 50m buffer and the properties surveyed under the following Survey Nos.

Taluka/Village	Survey No./Sub-Div. No.	Approximate area in sq. mts.
Ponda/Shiroda	Buffer Zone	
	408/1(P)	1688
	410/1(P)	12500
	413/1(P)	1720
	414/1(P)	23539
	416/1(P)	7163
	417/1(P)	28262
	418/1(P)	4483
	419/1(P)	23179
	420/1(P)	4262
Area outside survey Nos. (Roads and nalla)		294
Total		107090

Zone of Influence		
	408/1(P)	1877
	409/1(P)	3035
	410/1(P)	177638
	411/1(P)	33068
	412/1(P)	44714
	414/1(P)	45037
	413/1(P)	84127
	416/1(P)	53108
	417/1(P)	40573
	418/1(P)	47181
	419/1(P)	29543
	591/1(P)	90077
	Area outside survey Nos. (Roads and nalla)	631
	Total	650609
Ponda/Borim	Zone of Influence	
	118/1(P)	53899
	155/1(P)	3169
	156/1(P)	7356
	157/1(P)	466
	Total	64890
Grand Total	822589	

The map of the wetland mean high flood level (depicted as a blue line) of the said Tarvalem Lake with the Zone of influence is at Annexure I. (For an enlarged map to scale kindly visit <https://gswa.goa.gov.in/>)

1.4. For the purpose of this wetland known as the said Tarvalem Lake the same is located within Revenue village of Shiroda.

1.5. For the purpose of this wetland known as the said Tarvalem Lake the Zone of Influence is located within Revenue village of Shiroda and Borim.

Schedule II: List of activities prohibited within wetland boundary

1. Conversion for non-wetland uses including encroachment of any kind;
2. Setting up of any industry and expansion of existing industries; with the exception of modernization of existing industries which will not affect the ecological balance of the wetland under consideration.
3. Manufacture and/or handling and/or storage and/or disposal of construction and demolition waste covered under the Construction and Demolition Waste Management Rules, 2016; hazardous substances covered under the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 or the Rules for Manufacture, Use, Import, Export and Storage of Hazardous Micro-organisms Genetically engineered organisms or cells, 1989 or the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008; Hazardous and Other Wastes (Management, Handling and Transboundary Movement) Rules, 2016; electronic waste covered under the E-Waste (Management) Rules, 2016; and other acts and rules as notified by Central Government and State Government applicable to wetlands.
4. Solid waste dumping and plastic waste dumping covered under Municipal Solid Waste Management Rules, 2016;
5. Discharge of untreated wastes, chemical fertilizers, pesticides, effluents and any other chemicals effecting the ecological character of the wetland from industries, cities, towns, villages and any other human settlements and/or activities;

6. Any construction of a permanent nature except for boat jetties within fifty meters (demarcated as a buffer zone on Annexure – I) from the mean high flood level observed in the past ten years calculated from the date of commencement of these rules; and,

7. Poaching and illegal hunting covered Wildlife (Protection) Act, 1972 and amendments thereof;

8. Extraction of soil, mud, rock and sand for commercial purposes.

[Any other activity other than mentioned above if taken up in the surrounding area that will have a direct or an indirect adverse effect on the ecological character of the wetland including water quality the same shall be prohibited.]

Schedule III: List of activities regulated within the boundary of wetland and its zone of influence and for which prior approval of [State Government/UT Administration/MoEFCC] is required to be obtained

Activity	Restrictions	
	Within the boundary of wetland as shown in Annexure I	Within the zone of influence as shown in Annexure I
Grazing and wallowing	Regulated	Permitted.
Withdrawal of water for irrigation or plantation	Withdrawal of water by community for irrigating and maintaining existing by ensuring sustainable measures and without over extraction subject to approval of WRD and GSWA	Permitted in consultation with local Biodiversity Management Committee and local Village Panchayat. Need to ensure no contamination of any type is allowed which serves as a source of degrading quality and ecological character of wetland.
Cultivation of crops	Prohibited within the wetland boundary	Existing traditional crop cultivation practices in the low-lying areas within the buffer will be allowed.
Plantation of trees	Prohibited.	Planting indigenous trees Permitted in buffer and zone of influence, excluding water channel

Approval of the GSWA shall be obtained for any other activity proposed to be conducted other than those mentioned above which may adversely affect ecological character of wetland.

Schedule IV: List of activities permitted within the boundary of wetlands/wetlands complex and its zone of influence

Activity	Levels and types not requiring permission	
	Within the boundary of the wetland as shown in Annexure I	Within the zone of influence as shown in Annexure I
Religious practices	Existing religious practices will be allowed. Any activity that will adversely affect the ecological character of the wetland will not be allowed	Permitted. Any activity that will adversely affect the ecological character of the wetland will not be allowed.
Fishing	Only hook and line fishing permitted within the wetland	Permitted.
Preservation of this water body and maintaining quality of its significant catchment area especially no development zone, steep slopes and tree cover areas	The boundary of the wetlands may be restored or stabilized using natural means so as to not disturb the ecological character of the water body.	Permitted.

to ensure sustainability of
this water body for future
water security of local area

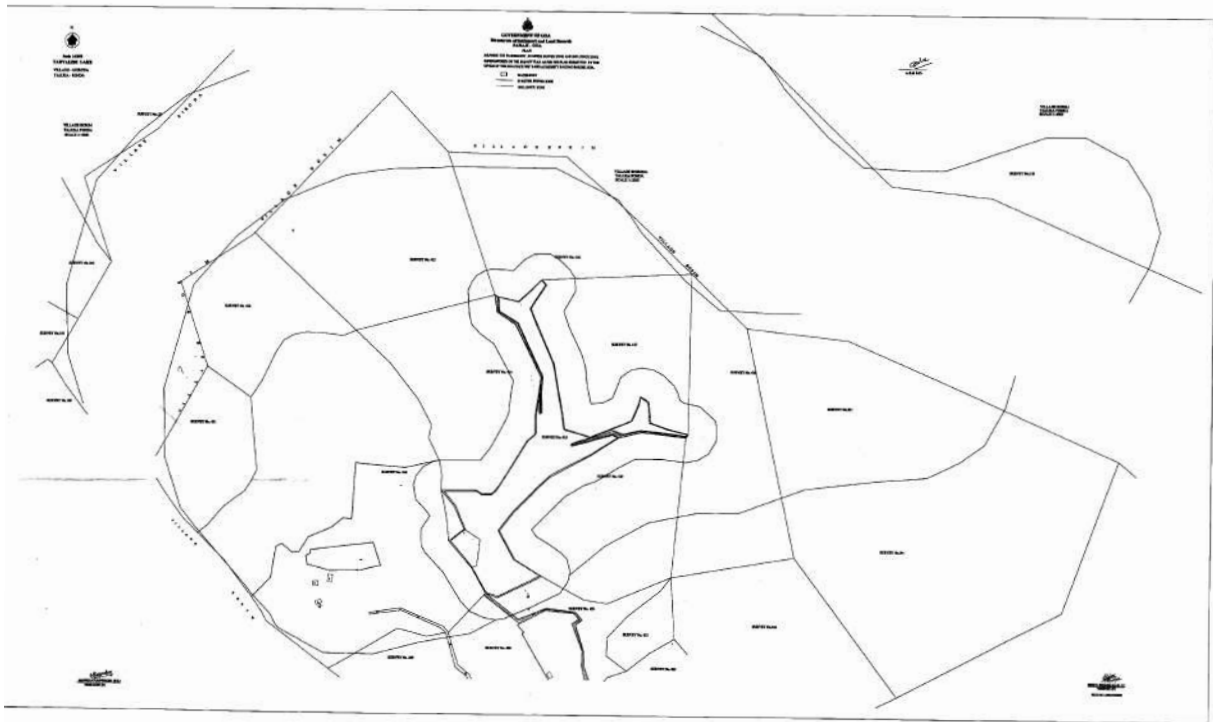
Deciding best possible wise
use of wetland without
affecting or impacting its
ecological character and
services offered presently

Permitted

Permitted

Approval of the GSWA shall be taken for any other activity to be conducted other than those mentioned above.

Annexure-I



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