

Ramsar Information Sheet

Published on 31 October 2022

IndiaTampara Lake



Designation date 12 October 2021 Site number 2489

Coordinates 19°21'02"N 85°00'04"E

Area 300,00 ha

Color codes

Fields back-shaded in light blue relate to data and information required only for RIS updates.

Note that some fields concerning aspects of Part 3, the Ecological Character Description of the RIS (tinted in purple), are not expected to be completed as part of a standard RIS, but are included for completeness so as to provide the requested consistency between the RIS and the format of a 'full' Ecological Character Description, as adopted in Resolution X.15 (2008). If a Contracting Party does have information available that is relevant to these fields (for example from a national format Ecological Character Description) it may, if it wishes to, include information in these additional fields.

1 - Summary

Summary

Tampara Lake (lying between 84° 58′ 23″ to 85° 1′ 32″ East longitudes and 19° 19′ 33″ to 19° 21′ 58″ North latitudes) is among the most prominent freshwater lakes in the State of Odisha situated near Chatrapur town in Ganjam district. The wetland lies within the Rushikulya river basin. In the year 1766 English East India Company took possession of Ganjam district from the French during which explosives were used near Rushikulya leading to a depression near the river. The depression on the ground gradually filled with rainwater from catchment flow and was called "Tamp" by the British and subsequently termed "Tampra" by the locals. A narrow channel connecting Rushikulya river to Tampara lake was dredged later on for the transportation of goods which eventually helped to provide flood water of Rushikulya river to the wetland. Tampara lake spreads across 300 ha with a length of 5.8 km and a width of 6.7 m. The wetland supports at least 60 species of birds, 46 species of fishes, at least 48 species of phytoplanktons, and more than seven species of terrestrial plants and macrophytes. The wetland is an important habitat for vulnerable species such as Cyprinus carpio, common pochard (Aythya ferina), and river tern (Sterna aurantia). With an estimated average fish yield of 12 tonnes per year, the wetland is an important source of livelihood for the local communities. Along with fishes the wetland also provides provisioning services like water for agriculture, and domestic use and is a well-known tourism and recreation site.

2 - Data & location

2.1 - Formal data

2.1.1 - Name and address of the compiler of this RIS

RAS	pons	ะเท	P C	$^{\circ}$	nıl	\triangle r

Postal address

Forest, Environment & Climate Change Department, Government of Odisha

Office of the Divisional Forest Officer
Kamapalli Main Rd, Kamapalli, Brahmapur, Odisha 760004

National Ramsar Administrative Authority

Institution/agency Ministry of Environment, Forest & Climate Change(MoEF&CC), Government of India

Office of the Additional Secretary (Wetlands), Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
110003

2.1.2 - Period of collection of data and information used to compile the RIS

From year 2018

To year 2020

2.1.3 - Name of the Ramsar Site

Official name (in English, French or Spanish)

Tampara Lake

Unofficial name (optional)

Tampara patta

2.2 - Site location

2.2.1 - Defining the Site boundaries

b) Digital map/image

<2 file(s) uploaded>

Former maps 0

Boundaries description

Tampara lake is located near Chatrapur town in Ganjam district of Odisha and is situated within Rushikulya river basin (South-east of Rushikulya River and east of National Highways-16). The wetland runs parallel to the coastline, lying about a kilometer away and separated by a sand dune and build-up areas. The north eastern boundary is marked by a channel connecting Rishikulia estuary. The southwest extreme is marked by Arjyapalli village. The boundaries of the Ramsar Site correspond to the peak inundation area and the fringe hydrophytic vegetation bordering several parts of the shoreline. The map in the RIS is prepared on UTM projection, Datum: WGS84, Northern Hemisphere Zone 45.

2.2.2 - General location

a) In which large administrative region does the site lie?	Ganjam District, Odisha,India
the site lie?	
b) What is the nearest town or population centre?	Chatranur
centre?	Onatiapui

2.2.3 - For wetlands on national boundaries only

a) Does the wetland extend onto the territory of one or more other countries?

b) Is the site adjacent to another designated Ramsar Site on the territory of another Contracting Party?

2.2.4 - Area of the Site

Official area, in hectares (ha): 300

Area, in hectares (ha) as calculated from GIS boundaries

300.82

2.2.5 - Biogeography

Biogeographic regions

Regionalisation scheme(s)	Biogeographic region
Freshwater Ecoregions of the World (FEOW)	Ganges Delta & Plain

Other biogeographic regionalisation scheme

The wetlands have hills of the Eastern Ghats to the North and west while it has the coasts to the east. Therefore, it shares unique and common characteristics with both biogeographic regions that are the Coasts and the Deccan Peninsula.

3 - Why is the Site important?

3.1 - Ramsar Criteria and their justification

<no data available>

Criterion 2 : Rare species and threatened ecological communities

Optional text box to provide further The wetland supports several IUCN red listed threatened species. The notable vulnerable species are information common pochard (Aythya ferina), river tern (Sterna aurantia) and Amur carp (Cyprinus carpio).

Criterion 3 : Biological diversity

Tampara Lake sustains spectacular congregation of waterbirds and waders within the Eastern Coast. This wetland supports significant populations of species like black-headed ibis (Threskiornis melanocephalus), common pochard (Aythya ferina), painted stork (Mycteria leucocephala), red-crested pochard (Netta rufina), white-bellied sea eagle (Haliaeetus leucogaster), river tern (Sterna aurantia) and ruddy shelduck (Tadorna ferruginea), which is representative and significantly helps in maintaining the biodiversity of the region owing to the large variety of ecological functions performed by the abovementioned diverse range of species. (Reference: Mohanta, R., Behera, S. K., Mishra, S. S., Sethy, J., Swain, K. K., & Sahu, A. K. (2017). Status, distribution, habitat type of threatened bird diversity, potential eco-tourism site and conservation strategy for wetland in Tamapara Lake Southern Odisha. India. Spring, 6(7), 14-21).

Justification

Criterion 7 : Significant and representative fish

The wetland supports many species of fishes. The notable fish species include Amblypharyngodon mola, Cirrhinus mrigala, Cyprinus carpio, Labeo bata, Labeo calbasu, Labeo rohita, Megalops cyprinoides, Notopterus notopterus, Osteobrama vigorsii, and Salmostoma bacaila.. Interaction of the fish species can be considered representative of the wetland ecosystem benefits at two levels. Firstly, it establishes an Justification interaction of fish species with piscivorous waterbirds benefitting the food chains which involve fish-eating waterbirds. Secondly, fishes are beneficial to local fringe communities for economic and livelihood gains. The majority of these species spend their entire life cycle within the wetland. (Reference: Marndi, R. K., Satapathy, D., Misra, S. K., & Kund, G. C. (2015). Fish diversity of Tampara Lake, Ganjam, Odisha. Journal of Applied Zoological Researches, 26(2), 203-208).

☑ Criterion 8 : Fish spawning grounds, etc.

Justification

The wetland serves as a major source of food and a significant spawning ground for species species like Salmostoma bacaila, Osteobrama vigorsii, and Labeo bata. (Reference: Marndi, R. K., Satapathy, D., Misra, S. K., & Kund, G. C. (2015). Fish diversity of Tampara Lake, Ganjam, Odisha. Journal of Applied Zoological Researches, 26(2), 203-208).

3.2 - Plant species whose presence relates to the international importance of the site

<no data available>

3.3 - Animal species whose presence relates to the international importance of the site

Phylum	Scientific name	qua un crit	cies lifies der erion	Species contributes under criterion	Size	Period of pop. Est	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
Fish, Mollusc a	nd Crustacea				<u>'</u>							
CHORDATA/ ACTINOPTERYGII	Amblypharyngodon mola							LC				The wetland serves as a source of food.
CHORDATA/ ACTINOPTERYGII	Cirrhinus mrigala							LC				The wetland serves as a source of food.
CHORDATA/ ACTINOPTERYGII	Cyprinus carpio	V						VU				The wetland serves as a significant spawning ground for this species. VU IUCN status and has a wide niche across the landscape.
CHORDATA/ ACTINOPTERYGII	Labeo bata				7			LC				The wetland serves as a source of food. Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ ACTINOPTERYGII	Labeo calbasu							LC				The wetland serves as a source of food. Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ ACTINOPTERYGII	Labeo rohita							LC				The wetland serves as a source of food. Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ ACTINOPTERYGII	Megalops cyprinoides							DD				The wetland serves as a source of food. Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ ACTINOPTERYGII	Notopterus notopterus							LC				The wetland serves as a source of food. Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ ACTINOPTERYGII	Osteobrama vigorsii				7			LC				The wetland serves as a source of food. Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ ACTINOPTERYGII	Salmostoma bacaila				2			LC				The wetland serves as a source of food. Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
Birds												
CHORDATA/ AVES	Aythya ferina	Z						VU				Globally Vulnerable species and rare for the wetland. Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ AVES	Haliaeetus leucogaster							LC				Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ AVES	Mycteria Ieucocephala							NT				Globally Near Threatened species. Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ AVES	Netta rufina							LC				Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ AVES	Sterna aurantia	Z						VU				Globally Vulnerable species and rare for the wetland Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.

Phylum	Scientific name	Species qualifies under criterion 2 4 6 9	Species contributes under criterion 3 5 7 8	Period of pop. Est.	% occurrence 1)	IUCN Red List	CITES Appendix I	CMS Appendix I	Other Status	Justification
CHORDATA/ AVES	Tadorna ferruginea					LC				Largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.
CHORDATA/ AVES	Threskiornis melanocephalus		2 000			NT				Extra-limital migrant but largely distributed across the site, spread across the entire landscape and thus characterizing it's biodiversity.

¹⁾ Percentage of the total biogeographic population at the site

3.4 - Ecological communities whose presence relates to the international importance of the site

<no data available>

4 - What is the Site like? (Ecological character description)

4.1 - Ecological character

Tampara lake situated near Chatrapur town in Ganjam district of Odisha is among the most prominent freshwater lakes of Odisha with an area of around 300 ha. The wetland is generally filled with catchment run-off and monsoon precipitation and the water levels fluctuate during different seasons. Tampara lake was reported to have gone nearly dry with merely 2-3 feet of water in the middle during summer months between 1963-1999. The wetland harbors a rich assemblage of floral and faunal diversity supporting more than seven species of terrestrial plants and macrophytes, at least 60 species of birds and 46 species of fishes. Predominantly two types of vegetation dominate Tampara lake-terrestrial type in the peripheral area and aquatic type within the wetland. Some of the notable birds species include black headed ibis (Threskiornis melanocephalus), common pochard (Aythya ferina), painted stork (Mycteria leucocephala), red crested pochard (Netta rufina), white bellied sea eagle (Haliaeetus leucogaster), river tern (Sterna aurantia) and ruddy shelduck (Tadorna ferruginea). The wetland also supports a rich diversity of fish population and hence is an important source of livelihood for the local communities. Notable species of fishes include Cyprinus carpio, Cirrhinus mrigala, Labeo bata and Megalops cyprinoides. The average fish yield has been estimated at 12 tonnes per year with a productivity of 54.54 kg/ha/yr. It is one of the major wetlands of southern Odisha, which provides water for agriculture, and domestic use to the local population in addition to being a significant tourist attraction.

4.2 - What wetland type(s) are in the site?

Marine or coastal wetlands

Wetland types (code and name)	Local name	Ranking of extent (1: greatest - 4: least)	Area (ha) of wetland type	Justification of Criterion 1
K: Coastal freshwater lagoons	Tampera	1	300	

4.3 - Biological components

4.3.1 - Plant species

Other noteworthy plant species						
	Phylum	Scientific name	Position in range / endemism / other			
	TRACHEOPHYTA/LILIOPSIDA	Pandanus odorifer				

Invasive alien plant species

mitaorio anon piantoposico		
Phylum	Scientific name	Impacts
TRACHEOPHYTA/LILIOPSIDA	Hydrilla verticillata	Potential

Optional text box to provide further information

A total of 48 species of phytoplankton were encountered of which 2 species belonged to diatoms, 1 species to dinoflagellates, 14 species to blue-green algae, 21 species to green algae, 9 species to euglenoids, and 1 to silicoflagellates. In terms of population density under different groups, a pattern such as Blue-green algae> Green algae> Euglenoids> Dinoflagellates> Diatom> Silicoflagellates were noticed for the whole lake. According to the no. of species under different groups the pattern was: Green algae>Blue green algae> Diatom> Dinoflagellates & Silicoflagellates.

The total phytoplankton population varied from 286000 - 480000 cells/I with maximum density registered. Among all the groups, Blue-green algae dominated the phytoplankton community and contributed 63- 91% of the total phytoplankton density. Green algae remained the second dominant group in all the stations. Total phytoplankton diversity in terms of no. of species varied from 13 to 27.

Among the Blue-green algae Merismopedia glauca, Microcystis aeruginosa, Microcystis flos-aquae and Phormidium tenue were common in all stations but with different compositions. Green algae which constituted the second largest group in terms of population density were represented by 21 species out of which only three species viz. Haematococcus sp., Monoraphidium convolutum, and Staurastrum sp. were common in all the stations

4.3.2 - Animal species

<no data available>

4.4 - Physical components

4.4.1 - Climate

С	limatic region	Subregion
A: Trop	pical humid climate	Am: Tropical monsoonal (Short dry season; heavy monsoonal rains in other months)

The wetland experiences tropical humid climate and receives an average annual rainfall of 1306.3 mm.

4.4.2 - Geomorphic setting

RIS for Site no. 2489,	Tampara Lake, India				
a) Minimum elevation a	bove sea level (in metres)				
a) Maximum elevation a	` 1()				
	metres) -				
		ntire river basin			
		rt of river basin \square			
	•	rt of river basin			
	·	one river basin			
		of in river basin			
		Coastal			
Please name the river basin	n or basins. If the site lies in a		e the larger river basin	. For a coastal/marine :	site, please name the sea or
Rusikulya River Basir	1				
4.4.3 - Soil					
		Mineral			
		Organic 🗹			
	No availaí	ble information			
Are soil types subject to	change as a result of changir		1		
conditi	ons (e.g., increased salinity or	racidification)? Yes ♥ No ♥	1		
	mation on the soil (optional)				
at Gopalpur. The soil	ounded by linear hill rang type, which predominate e surrounding shallow de	es in this area is deltaic	alluvial soil. A pai	rt of the Rusikulya	catchment forms the dr
4.4.4 - Water regime					
Nater permanence Presence?	1				
Usually seasonal, ephemeral or intermittent	No change				
water present					
Source of water that maintain		1			
Presence? Water inputs from	Predominant water source	No change			
precipitation	•	No change			
Water destination	1				
Presence? Feeds groundwater	No change				
Otability oft					
Stability of water regime Presence?	1	7			
Water levels fluctuating (including tidal)	No change				
	on the water regime and its de ed-free with clear water				
	w takes place through a			Shorally filled with t	atominone ran on and n
4.4.5 - Sediment regim	ie .				
Signifi	cant erosion of sediments occ	curs on the site \square			
Significant accretion of	or deposition of sediments occ	curs on the site			
Significant transportation	on of sediments occurs on or the	nrough the site			
Sediment regime is highl	ly variable, either seasonally o	r inter-annually \square			
	Sediment re-	gime unknown 🗹			
4.4.6 Water pU					
4.4.6 - Water pH					
		Acid (pH<5.5) □			
	Circumneutra	al (pH: 5.5-7.4) \square			

RIS for Site no. 2489,	RIS for Site no. 2489, Tampara Lake, India						
Alkaline (pH>7.4) □							
		Unknown 🗹					
4.4.7 - Water salinity							
	F	Fresh (<0.5 g/l)					
	Mixohaline (brackish)/Mixosal	ine (0.5-30 g/l)					
	Euhaline/Eusa	line (30-40 g/l)					
	Hyperhaline/Hypers	saline (>40 g/l) \square					
		Unknown					
Please provide further inform	nation on salinity (optional):						
Salinity measured in T	ampara lake is 0.2 ppt						
4.4.8 - Dissolved or sus	spended nutrients in wa	ter					
		Eutrophic					
		Mesotrophic ☑					
		Oligotrophic					
		Dystrophic ☐ Unknown ☐					
DI							
	nation on dissolved or susper ara lake surface water v		ith an average of 4.35 μmol/l.				
Trade levele in ramp	ara iano dariado mater i	ary morn 1.0 to on principlat	in an avoiage of 1.55 pinow.				
4.4.9 - Features of the s	surrounding area which	may affect the Site					
	and if so how, the landscape						
characteristics in the area	surrounding the Ramsar Site	e differ from the i) broadly similar site itself:	Jii) significantly different ♥				
Surrounding ar	ea has greater urbanisation o						
•	g area has higher human pop	•					
	ing area has more intensive a	_					
	inificantly different land cover o	_					
	in which the surrounding are						
			s who predominantly depend on the wetland for their livelihoods. The				
major landuse pattern			culture, urban settlements and plantations along the seaside (Cashew				
and Casuarina).							
4.5 - Ecosystem s	ervices						
·							
4.5.1 - Ecosystem serv	ices/benefits						
Provisioning Services Ecosystem service	Examples	Importance/Extent/Significance					
Fresh water	Drinking water for humans	Medium					
	and/or livestock						
Regulating Services	Francisco .						
Ecosystem service	Examples Storage and delivery of	Importance/Extent/Significance					
Maintenance of hydrological regimes	water as part of water supply systems for	Medium					
	agriculture and industry						
Cultural Services	_						
Ecosystem service Recreation and tourism	Examples Water sports and activities	Importance/Extent/Significance High					
		Ü					
Supporting Services Ecosystem service	Examples	Importance/Extent/Significance					
Nutrient cycling	Storage, recycling, processing and acquisition	Low					
realion cyoling	of nutrients	LOW					

Within the site: 20000

RIO 101 Site no. 2407, Tampara Dane	, 111414
Outside the site:	50000
Have studies or assessments been made of ecosystem services prov	ithe economic valuation of Yes O No Unknown O ided by this Ramsar Site?
4.5.2 - Social and cultural values	
i) the site provides a model of wetland wis application of traditional knowledge and met use that maintain the ecologic	hods of management and 🗹
ii) the site has exceptional cultural trad civilizations that have influenced the ecologic	
iii) the ecological character of the wetland with local communiti	depends on its interaction eigenous peoples

character of the wetland

4.6 - Ecological processes

iv) relevant non-material values such as sacred sites are present and their existence is strongly linked with the maintenance of the ecological $\hfill\Box$

<no data available>

5 - How is the Site managed? (Conservation and management)

5.1 - Land tenure and responsibilities (Managers)

5.1.1 - Land tenure/ownership

			wn		

Category	Within the Ramsar Site	In the surrounding area
Provincial/region/state government	2	/

Private ownership

Category	Within the Ramsar Site	In the surrounding area
Cooperative/collective (e.g., farmers cooperative)	₽	✓

5.1.2 - Management authority

agency or organization responsible for $\begin{tabular}{|l|l|l|} \hline Office of the Divisional Forest Officer \end{tabular}$

Please list the local office / offices of any Divisional Forest Officer(DFO)

managing the site: Kamapalli Main Rd, Kamapalli, Brahmapur, Odisha 760004

Provide the name and/or title of the person or people with responsibility for the wetland:

Amlan Nayak, OSF(SB), Divisonal Forest Officer(DFO), Berhampur, Odisha, India

Postal address:

Office of the Divisional Forest Officer

Kamapalli Main Rd, Kamapalli, Brahmapur, Odisha 760004

E-mail address: dfobhmpr@yahoo.co.in

5.2 - Ecological character threats and responses (Management)

5.2.1 - Factors (actual or likely) adversely affecting the Site's ecological character

Human settlements (non agricultural)

Trainer obtainer to (non agricultura)				
Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Housing and urban areas	Medium impact			✓
Tourism and recreation areas	High impact		✓	2

Water regulation

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Water abstraction	High impact		₽	₽

Biological resource use

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Fishing and harvesting aquatic resources	Low impact		✓	2

Human intrusions and disturbance

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Recreational and tourism activities	High impact		✓	2

Invasive and other problematic species and genes

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Problematic native species	Medium impact		✓	✓

Pollution

Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area
Household sewage, urban waste water	High impact		✓	/
Agricultural and forestry effluents	High impact		✓	/

Climate change and devote weather					
Factors adversely affecting site	Actual threat	Potential threat	Within the site	In the surrounding area	
Droughts	High impact		1	✓	
Storms and flooding	High impact		1	✓	

5.2.2 - Legal conservation status

Non-statutory designations

Designation type	Name of area	Online information url	Overlap with Ramsar Site
Important Plant Area	Tampara Lake		whole

5.2.3 - IUCN protected areas categories (2008)

la Strict Nature Reserve
Ib Wilderness Area: protected area managed mainly for wilderness protection
Il National Park: protected area managed mainly for ecosystem protection and recreation
III Natural Monument: protected area managed mainly for conservation of specific natural features
IV Habitat/Species Management Area: protected area managed mainly for conservation through management intervention
V Protected Landscape/Seascape: protected area managed mainly for landscape/seascape conservation and recreation
VI Managed Resource Protected Area: protected area managed mainly for the sustainable use of natural ecosystems

<no data available>

5.2.4 - Key conservation measures

Legal protection

Legal protection		
Measures	Status	
Legal protection	Partially implemented	

Habitat

Measures	Status
Catchment management initiatives/controls	Implemented

Species

Measures	Status
Reintroductions	Partially implemented

Human Activities

Measures	Status
Fisheries management/regulation	Implemented
Regulation/management of recreational activities	Implemented

5.2.5 - Management planning

Is there a site-specific management plan for the site? In preparation $% \left(1\right) =\left(1\right) \left(1$

Has a management effectiveness assessment been undertaken for the site? Yes \odot No O

If the site is a formal transboundary site as indicated in section Data and location > Site location, are there shared management planning Yes O No opposesses with another Contracting Party?

5.2.6 - Planning for restoration

Is there a site-specific restoration plan? No, but a plan is being prepared

5.2.7 - Monitoring implemented or proposed

Monitoring	Status
Water quality	Proposed

6 - Additional material

6.1 - Additional reports and documents

6.1.1 - Bibliographical references

Marndi, R. K., Satapathy, D., Misra, S. K., & Kund, G. C. (2015). Fish diversity of Tampara Lake, Ganjam, Odisha. Journal of Applied Zoological Researches, 26(2), 203-208.

Mohanta, R., Behera, S. K., Mishra, S. S., Sethy, J., Swain, K. K., & Sahu, A. K. (2017). Status, distribution, habitat type of threatened bird diversity, potential eco-tourism site and conservation strategy for wetland in Tamapara Lake Southern Odisha. India. Spring, 6(7), 14-21.

6.1.2 - Additional reports and documents

i. taxonomic lists of plant and animal species occurring in the site (see section 4.3)

<4 file(s) uploaded>

ii. a detailed Ecological Character Description (ECD) (in a national format)

iii. a description of the site in a national or regional wetland inventory

iv. relevant Article 3.2 reports

<no file available>

v. site management plan

vi. other published literature

6.1.3 - Photograph(s) of the Site

Please provide at least one photograph of the site:



Boating Facility at Tampara



Fishing Net & Boats at Tampara lake (R.N. Samal, 26-04-2017)



Wetland surface (Wetland: International South Asia Photolab, 16-02-2018)



Adjacent vegetation (Wetlands International South Asia Photolab, 16-02-2018)



Wetland surface (Wetlands International South Asia Photolab, 16-02-2018)



Birds above the wetland (Wetlands International So Asia Photolab, 16-02-2018)

6.1.4 - Designation letter and related data

Designation letter

<1 file(s) uploaded>

Date of Designation 2021-10-12