

Annexure-I

Regulation Activities in the Islands

It is a universally followed principle that any sustainable development requires regulated development. Regulations could be activity based and zone based. Activities could be differentiated depends whether these are traditional, livelihood related, development related, community related, etc. The regulations under CRZ notification, if modified and tuned for Lakshadweep island conditions, could be an ideal set of regulations to ensure sustainable development of Lakshadweep. Accordingly the following regulations are proposed as part of the IIMP.

The development and other activities in the Lakshadweep islands shall be managed based on Lakshadweep Island Coastal Regulation Zone (LICRZ) issued by the Ministry of Environment and Forests, Govt. of India in 2011 (Notification reproduced in full in Enclosure-II) having the following jurisdiction, namely:

- (i) the entire island area landward from High Tide Line (hereinafter referred to as the HTL);
- (ii) land area between HTL and Low Tide Line (hereinafter referred to as the LTL) which will be termed as the Intertidal zone;
- (iii) the water and the bed area between the LTL to the territorial water limit (12 Nautical miles) in case of sea and the water and the bed area between LTL at the bank to the LTL on the opposite side of the bank, of tidal influenced water bodies.

The LICRZ of the islands shall be classified as follows, namely:

(a) The areas that are ecologically sensitive and the geomorphological features which play a role in the maintaining the integrity of the coast,-

- i. coral reefs;
- ii. sandy beaches and sand dunes;
- iii. sea grass beds;
- iv. identified 'bait fish' habitats;
- v. mangroves;
- vi. protected areas under the Wild Life (Protection) Act, 1972 (53 of 1972), the Forest (Conservation) Act, 1980 (69 of 1980) or Environment (Protection) Act, 1986 (29 of 1986);
- viii. turtle nesting grounds;
- ix. horse shoe crabs habitats;
- x. sea weed beds;
- xi. dune vegetation
- xii. nesting grounds of birds;

(b) The area between Low Tide Line and High Tide Line; and

(c) The following islets:

Pitty (of Kalpeni Island), Kodithala (of Kalpeni Island), Thilakkam I,II &III (of Kalpeni Island), Parali I & II (of Bangaram group), Kalpitti (of Agatti Island), Viringili (of Minicoy island).

(d) Lagoons – Perumal par reef, Cheriapani reef, Valiapani reef, Basu de Patro, Koradess

(e) No Development Zone or Setback area as specified in the IIMP for each island

(f) Island land area other than those does not belong to any of the above Category - (a), (b) and (c) above;

(g) Water area from the Low Tide Line to twelve (12) nautical miles on the seaward side;

Norms for Regulation of Activities Permissible in the Islands

In order to prescribe the activities that could be permitted, prohibited and regulated in the land area and lagoon, relevant provisions of CRZ notification was referred for these purposes. The notification deals NDZ as a separate area and prescribes prohibited and exceptional activities with a view of facilitation of conservation of NDZ area. In this regard, para 3 a for ICRZ III of CRZ island notification dt 6 Jan 2011 may be relevant for Lakshadweep also. As the notification does not cover NDZ aspects for Lakshadweep and it is to be dealt under IIMPs, ICRZ provisions for prescribing prohibited and regulated activities felt to be ideal and could be used in IIMPs of Lakshadweep islands. It is also felt that it may not be advisable to include NDZ as a part of the Regulated Development Zone I due to obvious conflict in terminology itself. Further, in the Preservation zone wherein zones of live corals have been combined with other areas in the lagoon and sea, few recommended activities for tourism (boating, coral viewing, diving etc) may cause adverse effect to live corals, especially the dense corals in reef crest, outer reef, reef slope etc. Hence they need to be strictly preserved. Therefore, reconsideration on classification of 3 zones is felt to be necessary. Accordingly the Preservation zone was restricted to reef crest, outer reef and reef slope in the sea and the lagoon area was not included. However, the lagoon area with sporadic live corals and dead corals along with NDZ could be called as Conservation Zone wherein exceptional activities that may not affect ecology and other aspects of this area can be

permitted. The permitted activities in the NDZ are given separately. Accordingly following classification along with details of prohibited, permitted and regulated activities are suggested. As the lagoon, sea and landmass of the islands are interconnected in terms of ecology, therefore, the entire island consisting of land, lagoon and adjoining sea is considered as a single ecosystem. Accordingly the island ecosystem is categorized into:

1. **Preservation zone:** inner and outer reef, reef crest, reef slope, seagrass beds in the lagoon and the sea, turtle nesting areas and other zones that will be declared by Island Administration as and when existence of endangered/rare/vulnerable species of plants and animals are found.
2. **Conservation Zone:** Water part of Lagoon except seagrass areas and setback area (No Development Zone - NDZ)
3. **Regulated Development Zone I:** It includes beach (outside setback area - NDZ) and land part of the island which is densely/ moderately populated
4. **Regulated Development Zone II:** It includes undeveloped and sparsely populated land areas of the Islands

Accordingly, it is proposed to prescribe following activities for the above zones.

i). Preservation zone:

S.No.	Activity	Prohibited	Permitted	Regulated	Remarks/Conditions
1	Mining of corals (both alive and dead), sand on beaches and in the lagoon	Y	-	-	-
2	Coral removal for Construction /Widening of Navigation channels	Y	-	-	-
3	Boating for transport, tourism and fishing and water sports and photography	Y	-	-	-
4	Limited impact Scientific research		Y	-	Limited diving and collection of very few specimens for taxonomic purposes

S.No.	Activity	Prohibited	Permitted	Regulated	Remarks/Conditions
					only
5	Fishing including live bait fishing for tuna	Y	-	-	-
6	Collection of ornamental fishes for Government aquarium	-	-	Y	Only species that are abundant to be collected in small numbers. Rare and endangering species should not be collected
7	Collection of ornamental fishes for commercial purposes	Y	-	-	-
8	Any type of construction including Observation towers etc including for defence purposes and developmental activities	Y	-	-	-
9	Buoys to collect data on met and environmental parameters and marker buoys	-	-	Y	Limited in number and not to be anchored in hard coral areas.
10	Beaching of fishing craft or any other craft in turtle nesting areas	Y	-	-	-
11	Activities that facilitate preservation of corals	-	Y	-	-

ii.) **Conservation Zone:**

S.No	Activity	Prohibited	Permitted	Regulated	Remarks/Conditions
.					
1	Mining of corals (both alive and dead), sand on beaches and in the lagoon	Y	-	-	-

S.No	Activity	Prohibited	Permitted	Regulated	Remarks/ Conditions
2	Setting of industries	Y	-	-	-
3.	Setting of food processing industries with waste treatment methods/plants	Y	-	-	To be established in areas identified in IIMPs
4	Boating for transport, tourism and fishing and water sports	-	-	Y	Water sports shall be permitted only in designated areas and far away from core zones to avoid adverse impacts. .
5	Diving, snorkeling and coral viewing thro glass bottom boats	-	-	Y	Limited number of boats with tourists. No OBM operation in tourist boats near coral reef areas
6	Construction /Widening of Navigation channels	-	-	Y	Only in designated areas in the lagoon and sea
7	Construction of passenger jetties, breakwater for ports and slip ways for boat repair and other facilities that require front	-	-	Y	Subject to no damage to ambient environment and as supported by an EIA study.
8	Traditional use of marine resources including fishing and allied activities, bait fishing and collection of worms	-	Y	-	-
9	Collection of ornamental fishes for commercial purposes	Y	-	-	-
10	Collection of ornamental fishes for Public aquaria and Scientific research and also other organisms for scientific research	-	-	Y	Limited collection depending on population of target organisms
11	Collection of ornamental fishes for brood stock in	-	-	Y	Limited collection permitted and requires

S.No	Activity	Prohibited	Permitted	Regulated	Remarks/ Conditions
.	commercial culture				permission from concerned department of Lakshadweep Admn for every collection
12	Deployment of Fish aggregating devices in the sea.	-	-	Y	To avoid areas near to corals(as it may attract Ornamental fishes also) in the sea. Such devices not to be deployed in the lagoon
13	Beach landing of fishing crafts and tourist boats	-	-	Y	To be away from turtle nesting grounds
14	Construction of resorts/restaurants/storage facilities and tourism related buildings, on stills	Y	-	-	-
15	Reclamation of lagoon and sea for any purpose except for laying of seawater pipelines and construction of cold water sumps for desalination and power plants	Y	-	-	Regarding structures and pipelines for desalination plants they are recommended in the sea side than in the lagoon side and permitted in lagoon only in exceptional conditions
16	Reconstruction/renovation of dwelling unit of fisherflok, dispensaries, schools and other public utilities in the NDZ area without increasing construction area and number of floors	-	Y	-	-
17	Widening of roads in NDZ	-	Y	-	-
18	Weather radars in NDZ	-	Y	-	-

S.No	Activity	Prohibited	Permitted	Regulated	Remarks/ Conditions
19	Storage of non-hazardous cargo such as edible oil, fertilizers, food items in the NDZ area near the port	-	-	Y	-
20	Activities that facilitate conservation of natural habitats including vegetation in NDZ	-	Y	-	-
21	Disposal of treated sewage in lagoon	Y		-	-
22	Disposal of treated sewage in sea (of sea side)	-	-	Y	Treatment of sewage from domestic sources to tertiary level before disposal
23	Extraction of water from ponds designated for conservation of water	-	-	Y	To be drawn in quantities as specified by the Administration

iii). Regulated Development Zone I:

S.No.	Activity	Prohibited	Permitted	Regulated	Remarks/ Conditions
1	Sand mining on beaches	Y	-	-	
2	Setting of small scale industries including food processing industries with waste treatment methods/plants, power plants including solar power plants and windmills	-	-	Y	To be established in areas identified in IIMPs. If not specified in IIMPs, in locations as decided by Admn
3	Establishment of hotels, tourist accommodation, resorts and other buildings relating to tourism	-	-	Y	To be established in areas identified in IIMPs
4	Construction of dwelling units, Govt buildings (office guest houses etc), public utilities, educational institutions, dispensaries,	-	Y	-	As per building norms prescribed in IIMPs and at locations as identified in the IIMPs. If not specified in

S.No.	Activity	Prohibited	Permitted	Regulated	Remarks/ Conditions
	auditorium), places of religious worships and commercial buildings				IIMPs, in locations as decided by Admn.
5	Agriculture and horticulture	-	Y	-	
6	Construction of passenger jetties, breakwater for ports and slip ways for boat repair and other facilities that require front	-	-	Y	Subject to no damage to ambient environment and as supported by an EIA study.

iv). Regulated Development Zone II:

S.No.	Activity	Prohibited	Permitted	Regulated	Remarks / Conditions
1	Sand mining on beaches	Y	-	-	-
2	Setting of small scale industries including food processing industries with waste treatment methods/plants, power plants including solar power plants and wind mills	-	-	Y	As per Admn norms/relevant acts
3	Establishment of hotels, tourist accommodation, resorts and buildings relating to tourism	-	-	Y	As per building norms
4	Construction of dwelling units, Govt buildings (office guest houses etc), educational institutions, dispensaries, auditorium), places of religious worships, defence infrastructure, meteorological observatories and commercial buildings including godowns	-	-	Y	As per building norms
5	Agriculture, and horticulture	-	Y	-	-
6	Construction of passenger jetties, breakwater for ports	-	-	Y	Subject to no damage to ambient

S.No.	Activity	Prohibited	Permitted	Regulated	Remarks / Conditions
	and slip ways for boat repair and other facilities that require front				environment as supported by an EIA study.
7	Construction/expansion of air strips and helipads	-	Y	-	Subject to no damage to ambient environment as supported by an EIA study.

Activities in the No Development Zone (NDZ) or Setback line

- (i) no new construction shall be permitted except-
- (a).projects relating to Department of Atomic Energy;
 - (b).pipelines, conveying systems including transmission lines in consultation with;
 - (c).facilities that are essential for activities permissible under LICRZ;
 - (d).installation of weather radar and other facilities for monitoring of cyclones, tsunami and storm surge and other coastal and ocean processes by Indian Meteorological Department, INCOIS, DST, and the like;
 - (e).construction of facilities for the protection and enhancement of the ecosystems and morphology of the islets with the permission of LCZMA, Lakshadweep Environment Department and in consultation with the Island Panchayat
 - (f). ecotourism, except in NDZ, with zero waste, zero effluent discharge and zero pollution with the permission of LCZMA, Lakshadweep Environment Department and in consultation with the Island District Panchayat
 - (g).existing traditional rights especially related to fishery and agriculture
- (ii) however, the following activities may be permitted in NDZ,-
- (a) the NDZ shall not be applicable in such area falling within port & harbor limits;
 - (b) Agriculture, horticulture, gardens, pasture, parks, play field, and forestry
 - (c) Projects relating to Department of Atomic Energy;
 - (d) Facilities for receipt and storage of petroleum products and liquefied natural gas as specified in Annexure-II;
 - (e) Facilities for regasification of liquefied natural gas;
 - (f) Facilities for generating power by non conventional energy sources;

- (g) Facilities for desalination plants, foreshore and associated facilities;
- (h) Weather radars;
- (i) Construction of dispensaries, schools, tourism facilities, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub-station which are required for the local inhabitants may be permitted on a case to case basis by LCZMA;
- (j) Construction of units or auxiliary thereto for domestic sewage, treatment and disposal with the prior approval of the Environment Department and LCZMA;
- (k) Facilities required for local fishing communities such as fish drying yards, auction halls, net mending yards, traditional boat building yards, ice plant, ice crushing units, fish curing facilities and the like;
 - Ports & harbours and associated facilities following the norms of EIA (2006) with its modifications and based on EIA with MIA as its part and with the approval LCZMA.
- (l) Airstrips and associated facilities following the norms of EIA (2006) with its modifications and based on EIA with MIA as its part and with the approval LCZMA.