

4.3 Proforma for submitting proposals for introduction of live aquatic organisms*

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|-----|---|-------|--|
| 1 | Name of the applicant | 4.2 | Scientific name (s) |
| 2 | Status of the applicant | 4.3 | Common names used in the country from where it is imported |
| 2.1 | Central Govt. Department/ State Govt./ Private | 4.4 | Source of origin (wild/cultured) |
| 2.2 | Govt. Research Institute/ Academic Institution/ private research laboratory | 5 | Purpose of introduction |
| 2.3 | Designation | 5.1 | Research/Aquaculture/Aquarium trade |
| 2.4 | Full Address Telephone Fax | 5.2 | Any additional or specific information on scope and extent of activities with the organism proposed to be imported |
| 3. | Brief field experience of the applicant with activities related to species being introduced | 5.3 | Any technical knowhow that will be transferred from the importing country along with the organism |
| 4. | Name of the aquatic organism proposed to be introduced in Indian waters | 6 | Import details |
| 4.1 | Type of organism Plant/ mollusc/ crustacean/ fish/ others (please specify) | 6.1 | Life stages Unfertilized eggs/ cryopreserved milt developing eggs/ larvae/ juveniles/ immature adult/brood stocks |
| | | 6.2 | Quantity/ size of import |
| | | 6.2.1 | Number |
| | | 6.2.2 | Average weight (g) |
| | | 6.2.3 | Average length (cm) |

7 Biological profile of original species as recorded from wild

7.1 Maximum size (cm) with likely age

7.2 Maximum weight (g) with likely age

7.3 Adult habitat

7.3.1 Freshwater/ brackish water/ marine

7.3.2 Anadromous/ Catadromous

7.3.3 Flowing/ stagnant

7.3.4 Usually found in bottom/ column/ surface of water

7.3.5 Littoral/ deeper waters

7.4 Temperature requirement for different stages

7.4.1 Yolk sac larvae

7.4.2 Post larvae

7.4.3 Fry :

7.4.4 Fingerlings

7.4.5 Adults

7.5 If migratory in nature

7.5.1 Feeding/ breeding migration

7.5.2 Life stages undergoing migration (broodstock/ juvenile/ larval).

7.6 Breeding

7.6.1 Bisexual/ hermaphrodite/ clonal

7.6.2 Oviparous/ viviparous

7.6.3 Age at maturity

7.6.4 Period/ time of breeding

7.6.5 Fecundity

7.6.6 Temperature requirements

7.6.7 Salinity requirements

7.6.8 Other requirements

7.6.9 Feeding habits (herbivorous/ carnivorous/ omnivorous)

7.6.10 Natural food item of

- Larval stages

- Juvenile

- Adult

8 In its natural habitat with which species it is known to compete for

8.1 Food :

8.2 Breeding grounds

8.3 Same ecological niche

- 9 Genetic profile
- 9.1 Wild/ captive/ domesticated/ developed
- 9.1.1 If wild, area of collection
- 9.1.2 If captive - Number of generation held in hatchery
- 9.1.3 If domesticated - Number of generations undergone domestication
- 9.1.4 If developed - Originals/ stocks used for development
- 9.1.5 Genetic mechanism used for developing (Selection/ hybridization/ chromosome engineering/ genetic engineering/ combined (please specify)
- 9.1.6 Strain
- No./ Name
- 9.1.7 Genetic stability of characters developed
- 10 Quarantine profile
- 10.1 Parasites and other diseases recorded, if any, in wild
- 10.2 Parasites and other diseases, recorded in farmed stocks
- 10.3 a). Has any OIE/ NACA or list of diseases of concern to India been reported from exporting country.

- b). If yes, from which species.
- 10.4 Has it been reported from candidate species from exporting country ?
- 10.5 a). Has there been any disease outbreak in the farm from where import is proposed ?
- b). If yes so, give details.
- 10.6 a). Is there any active surveillance in the exporting country.
- b). Does the particular hatchery/ farm from where the species is imported is covered by a national aquatic health surveillance system.
- c). Has this particular hatchery or farm been declared free of any disease; if yes, specify disease(s)
- 10.7 Name and designation of the officer who would sign pre-movement certificate
- 11 Details of earlier export of the same species from the farm/ hatchery from where import is planned
- 11.1 The date and details (listed in item

- 5, 6) with address of organization to which earlier exports have been sent
- 11.2 Any evaluation done in the importing countries on ecological and quarantine angle before import. If so, address of agency and copy of report
- 11.3 Is pre-shipment quarantine possible from exporting country? If so, type of quarantine and certification
- 11.4 Route, packaging and shipment details
- 11.5 Any facility with the importer for maintaining imported stock in isolation for a minimum of 30 days.
- 12 Recommendations of the State Government in case of Private Company
- 13 Other relevant information concerning the proposed project
- 13.1 Proposed period of import
- 13.2 Experimental area
 - Hatchery/ farm location where brood stock developed from import will be maintained

- Address
- Names of nearby stream, canals, rivers, lakes and distance from the farm
- 13.3 Operational areas
 - Progeny produced from brood stock will be sold as live/ killed
 - For export/ only within India
 - If within India, which State?
 - Liaison with State/ Central Govt.
 - Liaison with any research organization which could oversee import
- 14 Information regarding farm where imported aquatic organisms will be maintained
- 14.1 What is the distance in kilometers from the nearest water body?
- 14.2 What is the height of the farm from sea level?
- 14.3 Has the farm been flooded over the last 10 years? If yes, state the year of flooding.
- 14.4 Whether the water supply is independent?

- 14.5 Whether there is a provision for preventing backflow?
- 14.6 Whether the discharge is going to the natural water bodies or not? If yes, does it have a system of filters?
- 14.7 Whether the farm is fenced?
- 14.8 Whether nets cover the pond?
- 14.9 Whether the farm will be used only for exotic aquatic organisms or other aquatic organisms as well?
- 14.10 Whether the capacity for emergency harvest or destroying the whole stock is there?
- 14.11 Experience in aquaculture sector (in years)
- 14.12 Other related activities in aquaculture sector

Date

Signature

Seal

• Format of items 6 and 7 to be suitably modified for aquatic organisms other than finfishes and shell fishes

Essential enclosures :

- 1. Photos of organisms to be imported

- 2. Layout of hatchery/ farm (item 13.2)
- 3. Scientific literature/ documents for items 7, 8, 9, 10 (except those marked in boxes *)
- 4. Documents/ letter for items 11 and 12.4, 12.5

Instructions for filling proforma

- 1. For each species separate proforma may be used.
- 2. No column should be left blank. If information is not available, indicate by N.A. and if item is not relevant by N.R.
- 3. Efforts may be made to supply relevant information supported by scientific literature/ documents. This would facilitate rapid evaluation from exotic and quarantine angles. Due to inadequate information on items other than enclosed in boxes request for import can be rejected since evaluation of risks will not be possible.
- 4. Some of the items (*) have been enclosed in a box. It is not mandatory for the importer to fill these details. However, information on these items along with scientific literature supplied, would result in faster processing of their proposals.