

## 2020 TMDC's Giant Clam 'bypass' propagation method.

See here the brief Tridacna Mariculture Development Centre '**bypass**' [protocol preview](#) that will provide drastic hatchery and field production improvements!

- 1) **Hatchery raceways & tanks**; **bypass** concrete for the first 3 months, use fibreglass or plastic.
- 2) **Brood-stock**; only 6 clams per spawning OK, clean to **bypass** unwanted contamination.
- 3) **Spawning**; best way to induce, get maximum fertilization & **bypass** polyspermy.
- 4) **Serotonin**; never use this method, to **bypass** spawning crash.
- 5) **Antibiotics**; how to prepare tanks with probiotics to **bypass** antibiotics.
- 6) **Aeration**; how to **bypass** the usual mass mortality during the larval period.
- 7) **PVC pipes** aeration; **bypass** perforated PVC pipes, use air-stones for aeration purposes.
- 8) **Temperature** control; to **bypass** minimum and maximum lethal threshold for larvae.
- 9) **Drain-down**; don't practise, to **bypass** heavy losses of clam larvae.
- 10) **Larval feeding**; TMDC's **bypass** system guarantees 98% or higher successful settlement.
- 11) **Metamorphosis**; multiple interventions to **bypass** fouling mortality; 2 natural ways with living "cleaners" and 2 mechanical ways with custom-made tools supplied by TMDC.
- 12) **Water-changes** after settling; how much & how often, to **bypass** unseen losses.

Herewith, hatcheries will **bypass the usual high larval mortality** and production will not depend on obsolete breeding techniques but on the choice of larval tanks made available for farming. The TMDC latest hatchery techniques allow **the production of millions** of giant clam seeds (**all species**) at **unprecedented economical and commercially favourable costs**.

### 'Bypass', the best of all field Innovations:

Because of this super **low-cost production** of 2-3mm seed-clams, a new natural farming method can be used **that will eliminate all maintenance** from the day these millions of seeds are sown directly on suitable reef-flats to **bypass** the first 3 months of the natural recruitment phase and then left alone **to grow the usual way until a selected harvest time**.

### **Seed-clams reattach in minutes, juveniles take months, large clams take years!**

For the first time **all known giant-clam farming hurdles have been overcome** and the fundamental conditions are at last favourable for economically viable large scale sustainable mariculture of giant-clams in island countries with suitable lagoons for restocking & reef rehabilitation, local food security and/or export seafood markets.

TMDC's '**bypass**' method = advanced Giant Clams natural recruitment!

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