

Evaluation Sheet

Design and manufacture of Salt water tank system for fish and cephalopods

Applicant (Company name) :

No.	Evaluation Items	Evaluation Index	Points
1	Mandatory items	Excluding items 3, 6, 12, all food tanks and all quarantine tanks, all systems are provided life support equipment (bio, UV, mechanical filters, protein skimmers, temperature control, pumps, probes, air).	Yes/No
2		Piping to deliver artificial sea water from the system in item 1 to the system in item 6 is provided but excluding the quarantine tanks, larval rearing tanks and batches present in the experimental room.	Yes/No
3		Items 3 and 5 are on separate water systems from 1-2. The quarantine (item 5) and experimental rooms (item 6) are not connected to life support system and are not connected to new sea water/osmosis water supply. The food tanks (items 4 and 9) are not connected to artificial sea water supply.	Yes/No
4		Items 7, 8 are on separate water systems from 6. The food tanks are on a separate seawater supply and drain system for avoiding contamination. The quarantine tanks the alimentations are done manually.	Yes/No
5		Specifications of the life support systems at the facilities for indoor clown fish (items 1, 2) are provided around 2.5x the volume of aquarium per hour. Specifications of the life support systems at the facilities for cephalopod are provided around 4.5x the volume of aquarium per hour.	Yes/No
6		Items 13 and 17 are provided computer-controlled temperature system for each tank. Each aquarium is adjustable to 4 levels within the range of 28 to 33 degrees using 4 in-line heaters.	Yes/No
7		Lid is provided for each tank.	Yes/No
8		For the structure (cabinets and racks) supporting the aquariums, the life support systems, the osmosis tank, the sea water mixing tank, is steel (including stainless-steel and aluminum) avoided for structure and shelves except for screws and adjustable leveling feet.	Yes/No
9		Tanks in items 7, 8, 10, 11, 15 and 16 are kept at 25 degrees, and illuminated with red lighting.	Yes/No
10		Tanks in items 1, 2, 3, 5, 6, 13, 17 and 18 are kept at 28 degrees with coolers and heaters.	Yes/No
11		Tanks in item 12 are kept below 28 degrees during summer.	Yes/No
12		At least 25 cm of space is provided above tanks in all racks.	Yes/No
13		The cephalopod system in lab 4 room L4F93 is provided piping to connect 6 100L experimental tanks to one of the life support systems in the room. The wall facing room L4F92 kept empty for these experimental tanks (extending >2m from the wall).	Yes/No
14		Vendor can directly conduct regular technical discussions in English.	Yes/No
15		The clownfish tanks located at LAB4 must be made of glass. 55 L cephalopod tanks must be made of white food-grade plastic. The 300 L cephalopod tanks must be made of white plastic or else of composite. 55L clown fish tanks (marine station) must be made of gray food-grade plastic. Circular tanks (1200 L and 75 - 100 L) Marine Station for clown fish must be made of composite.	Yes/No
16	Manpower, management and support system	Whether the project structure and schedule are clear and sufficient for conducting project.	10
17	Contents of proposal	Whether the contents of the proposal are very persuasive with enough evidence. Whether the proposal include additional attractive ideas, designs, insights or suggestions that are effective for research.	50
18	Past achievements	Whether the applicant has rich experiences & achievements in related work.	5
19	Maintenance	Whether the materials and equipment (or similar material and equipment) are common and readily available in Japan for quick and easy maintenance after installation.	5
20	Price	Whether the cost estimate is economical.	30
Total Points			100

※Disqualified if you do not meet the mandatory requirements.