

بسم الله الرحمن الرحيم



Ministry of Finance

Ameenee Magu, Male', Republic of Maldives

މިނިސްޓްރީ ޕްރޮޖެކްޓް ޕްރޮގްރާމް  
އިދާރާތުގެ ދަށުން، ދިވެހިރާއްޖޭގެ

## CLARIFICATION 01

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ނަންބަރު No:	TES/2020/W-096-R01	
ޕްރޮޖެކްޓް Project:	Design, Build, Finance, Operate, Maintain and Transfer Multi-Species Hatchery and Allied Facilities at Maanaagalaa, Gaafu Alif Atoll, Maldives	
އިއުދުވަހު Issued Date	12 <sup>th</sup> December 2021	
ސަފުހާގެ އަދަދު No. of Pages: -05	ބޮޑުވަނަ Boq: -00	ޖަހާފައިވާ ވަނަތައް Drawings: -00

Please include this clarification when submitting the bid

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- Please find attached, answers to the queries received.

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Name: Aishath Nadheema

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Signature:



## CLARIFICATION 01

#	Document Name	Document Reference	Query	Response
1			According to our understanding, the planned location has two lagoons; what is the depth of the second lagoon (bigger lagoon)?	The larger lagoon has at least 20m in depth. Attached, please find a detailed bathymetry that was carried out for the lagoon spaces  See: Attachment1: Bathymetry_Maanagala.dwg
2			Are the cages mentioned during the meeting now in place or will they be soon?	The 19 cages that were mentioned are already deployed, with farmers already growing out groupers  Some of the additional cages are already in our possession, with the procurement of more in the process
3			Is the current structure in the location a steel structure or a sandwich panel structure?	All structures existing on the island consists of concrete and masonry with steel roofing sheet. There are no steel structures and no sandwich panels used in the structures.
4			Is the infrastructure in place in the location fully equipped and furnished?	The infrastructure is not fully furnished. We have appliances in bedrooms (sockets, switches, fan, a/c, lighting, etc) and toilets (taps, shower heads, wash basin, water closet, muslim shower, lighting, switches, socket, etc). All other infrastructure is equipped with electricity and basic switches, lighting, sockets, etc. Mess room, kitchen will not have have kitchen sink, water tap, and other such appliances, and will have provisions for it (including concrete counter top with cut out for kitchen sink, and fresh water access and grey water drainage access)



5			Will the government impose a price cap on the sale of juveniles produced?	The Proposal document outlines price caps for the different species targeted for production.
6			What are the present requirements for juveniles and what is the current demand for juveniles in the Maldives?	For the current 19 cages, a total of 304,000 fingerlings can be stocked per year (stocking twice a year), if stocked fully. The intention is to expand production for these pilot farmers to be able to fully stock the set of 8 cages every month (153,000 per stocking), with the deployment of additional cage systems to support year-round production. With this model, there would be a fingerling requirement of 1.5M annually for the 19 farmers alone.
7			What size, volume, and production capacity are being assigned to the cages now in use?	HDPE cage system, with 8-cage holes of dimensions 3mx3mx3m. Full stocking will be able to take 8000 fingerlings at any given time.
8			How is the Maldives' current requirement of 6,000-10,000 tons of bait fish being met?	Currently bait is obtained from the wild. Fishermen are faced with the issue of limited availability of bait, so an alternative is sought.
9			Is the only source of juveniles used to achieve the requirements a wild source?	A financial value for the bait caught is not available, as this is part of the fishing operation where the vessels first go out to catch bait.

*[Handwritten signature]*



10			According to the figures provided during the meeting, the total number of juveniles required is approximately 200 million. Is this the correct figure?	<p>Our estimate is 5-10cm length fish for bait weighing approximately 5g each. The requirement is 150 Tons annually, which would be an annual production of 35M fry (assuming 90% hatch rate, 30% larval survival and 85% nursery survival).</p> <p>The annual production targets should be spread across the year so that bait fish is regularly available for the fishermen. Our choice for milkfish was based on the extended spawning period of this species in the tropical environments, and the ability for stocking these fry for a duration of 14 days.</p>
11			What is the current cost of juveniles imported into the Maldives?	USD 0.86 - USD 1.555
12			Does the government now provide any aquaculture subsidies to fishermen?	There is no aquaculture sector in the country at the moment and the Government is working toward establishing one. Hence the requirement for subsidies has not yet arisen. The pilot project beneficiaries are provided with the inputs (cage systems, feed and seed) free of charge at present, to kickstart this sector.
13			Is the Bait fish species sold in the Maldives? If so, what is the cost?	<p>Please refer to answer to Q8 and 9.</p> <p>Bait is not a separate fishery - is integrated into the pole and line fishery where the vessels go in search of bait first prior to setting out to fishing grounds.</p>





14			Where are the Maldives' hatcheries (for both fish and sea cucumbers, if any) located, and what is their current output?	<p>Sea cucumber hatchery in Sh. Nalandhoo used to produce an estimated 7 T of sandfish</p> <p>Sea cucumber hatchery in L. Fonadhoo, producing &lt;20kg of dried sandfish (~2000 pieces) annually. Only seasonally exported.</p> <p>Sea cucumber hatchery coming up in K. Kaashidhoo - Production not yet started</p>
15			Will the government co-invest in this project with the investor?	The Government has already invested USD 3.8M into support infrastructure. The Government does not intend to co-invest in the operation of the hatchery, however, there's scope for proposers to submit proposals as a "grant" or "premium". Please see the relevant sections of the Request for Proposal and draft concession agreements to get details of "grant" and "Premium".
16			Can a site visit to the project's location be arranged before the final submissions?	A site visit is encouraged. The RFP states that the site visit is to be organised and paid for by the proposers themselves. We'll make the necessary arrangements to facilitate access to site once site visit dates are communicated with us.

