### **ENVIRONMENTAL IMPACT ASSESSMENT**

FOR THE PROPOSED INSTALLATION AND OPERATION OF A RECIRCULATORY AQUACULTURE PRODUCTION PROJECT, IN WALVISBAY, ERONGO REGION, NAMIBIA



## ENVIRONMENTAL MANAGEMENT PLAN JANUARY 2024



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#### 1.1 INTRODUCTION

The planned project is likely to have an impact on the biophysical and socio-economic environment, as was mentioned in the chapter before. The Environmental Management Plan (EMP) for impacts related to the proposed development is described in this section. The objectives of the EMP include to prevent negative impacts where possible; reduce or minimise the extent of impact during project life cycle; and prevent long term environmental degradation

The expected project area and any potentially affected nearby sites are described in the Environmental Management Plan (EMP), together with the organizational structure, planning, and monitoring for environmental protection.

#### 1.2 EMP ADMINISTRATION

There is a strong need to clearly outline the roles and responsibilities of all stakeholders to ensure that the EMP is fully implemented. There is also a need for the proponent to appoint an overall responsible person (project manager) to ensure the successful implementation of the EMP as highlighted below.

**Table 1-1:** Roles and Responsibilities in EMP Implementation

ROLE	ENVIRONMENTAL RESPONSIBILITIES							
Southern Africa Seafoods and Processors (Pty) Ltd	Responsible to enforce EMP implementation to contractors							
Environmental Control	<ul> <li>Implement, review and update the EMP.</li> </ul>							
Officer	<ul> <li>Ensure all reporting and monitoring required under EMP is undertaken, documented and distributed as needed</li> <li>Conduct environmental site training (tool box talks) and inductions with the support of an environmental consultant.</li> <li>Conducts environmental audit at work site with the support of environmental consultant.</li> <li>Close out all non-conformances.</li> <li>Ensure materials being used on site are environmental friendly and safe.</li> </ul>							
The Department of	Approve the EMP and any amendments to the EMP.							
Environmental Affairs	<ul> <li>Approve reports of environmental issues and non-conformances as issued.</li> <li>Review and approve environmental reports submitted as part of EMP implementation</li> </ul>							
Environmental	Conduct and monitor actions required by the EMP if required							
Consultant	Conduct environmental site training (tool box talks) and inductions if assistance is required							

ROLE	ENVIRONMENTAL RESPONSIBILITIES					
	Conducts environmental audit at work site					
	Ensure materials being used on site are environmental friendly and safe.					
Site Technical Team	Control and monitor actions required by the EMP.					
	<ul> <li>Report all environmental issues to Environmental Control Officer.</li> </ul>					
	<ul> <li>Ensure documented procedures are followed and records kept on site.</li> </ul>					
	Ensure any complaints are passed onto the management within 24 hours of receiving the complaint.					
Workers	Follow requirements as directed by site technical.					
	<ul> <li>Report any potential environmental issues to site engineer/project manager, indicating spilt oil, excess waste, excessive dust generation, dirty water running off the site and other possible non-conformances</li> </ul>					

#### 1.3 EMP Management Actions

The management actions aim to avoid potential impacts where possible. Where impacts cannot be avoided, management actions are outlined in order to minimize the significant impacts.

The tables below outline the specific management actions which need to be undertaken during the construction and operational phase of the development to ensure that the site activities are compliant.

#### 1.4 CONSTRUCTION AND OPERATIONAL PHASE MANAGEMENT ACTIONS

The table below outlines the management actions to be undertaken during the construction and operation phase of the project to ensure compliance with the EMP.

Table 1-2: Construction and Operation EMP

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
Noise	Noise will be	The health of	Environmental	Constru	Environmental	A construction	Construction
pollution	generated	working personnel		ction	Control Officer	interval will be	&
	through:	could be disturbed		phase	Site Manger	established, used	Operation
	Construction of	e.g., noise hearing				and adhered to.	
	drainage	loss.				Workers will be	
	services and	Community				issued earplugs to	
	water	residents could be				protect them from	
	reticulation	disturbed by the				excessive noise.	
	systems.	noise.				Public will be	
	Construction of	General annoyance				notified through	
	buildings	Driving away of				printed timetable	
	Moving	local animal species				stating planned	
	vehicles.	near the project site				operational	
	Installation of					activities.	
	PV panels					Construction	
	stands					activities will be	
						conducted during	
						daytime.	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						Site notices will be	
						erected on, around	
						the site-notifying	
						visitors, and nearby	
						residents of different	
						hazards on site.	
						No go areas marked	
						as sensitive	
						environments,	
						especially for birds	
						needs to be avoided	
						during construction	
						and operation.	
Dust	Dust will	Can lead to	Environmental	Constru	Environmental	Dust suppression	Construction
Generation	accumulate	respiratory illnesses		ction	Control Officer	will be done through	& Operation
	because of the	especially to those		phase	Project Manger	watering dust	
	land preparation,	working in the area.				sources surfaces.	
	onsite	General air				Transmission pole	
	movements of	pollution.				sites can be wet	
	vehicles and	Nuisance to nearby				drilled and minimise	
	machines, wind	residents				dust generation.	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
	blowing on loose	The process can				Watering down	
	material during	also drive away wild				dusty surfaces,	
	construction and	animals within the				Ensure that	
	tipping.	project area				protective	
		surroundings				equipment such as	
						respirators are	
						distributed to	
						employees and	
						ensure their use.	
						Site notices to be	
						erected on and	
						around the site to	
						inform visitors and	
						surrounding	
						residents.	
Loss of	<ul> <li>Vegetative</li> </ul>	The clearing of	Environmental	Constru	Environmental	All the major trees	Construction
Biodiversity	plants on site	vegetation will result		ction	Control Officer	will be preserved,	
	will be	in the breaking of		phase	Site Manager	and the layout plan	
	removed	the ecosystem				will fit into the	
	Habitat	processes in the				environment without	
	destruction for	area.				affecting the trees.	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
	both ground	Loss of aesthetic				Ground disturbance	
	dwelling	value of the				will only be limited to	
	species and	proposed project				the boundary area to	
	tree dwelling	area.				avoid affecting a	
	species.	The few small				large area.	
	• Soil	animals still habiting				Upon completion of	
	disturbance on	the place such as				construction	
	and around the	small rodents and				activities more	
	site.	birds will be forced				vegetation will be	
		away.				planted on and	
		The ecosystem food				around the site to	
		chain on and				restore the site into	
		around the area will				a status that is	
		be broken.				environmentally	
						friendly.	
						When necessary, a	
						permit must be	
						obtained from the	
						Directorate of	
						Forestry before	
						removing a major	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						tree species (In this	
						respect, a permit is	
						not necessary to be	
						obtained for land	
						clearance for	
						MAWF)	
						Any identified	
						protected species	
						must not be	
						removed, and they	
						must be clearly	
						marked, and such	
						areas fenced off.	
						Utilise existing	
						tracks and roads	
						where possible.	
						During vegetation	
						clearing avoid killing	
						and/or hunting of	
						animals.	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
Greenhouse	Green House	Global climate	Environmental	Project	Environmental	Adopt the use of	Construction
gas	Gasses (GHGs)	change		lifetime	Control Officer	ethanol blended	& Operation
emissions	emissions will be	Air pollution			<ul> <li>Project</li> </ul>	fuels wherever	
	produced from				Manager	necessary.	
	the following				Department of	Design an operation	
	activities:				Environmental	system that cuts on	
	• Fuels				Affairs.	fuel consumption.	
	combustion for					Use of solar energy	
	transport					system during	
	(construction					construction for	
	vehicles and					lighting and other	
	equipment)					minor energy needs.	
	Ground						
	excavation						
	releases						
	phosphorus						
	found						
	underground						
	and releases						
	particulate						

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
	matter into the						
	atmosphere.						
Waste	Construction and	Chemical pollution	Environmental	Project	Environmental	Ensure that all	Construction
Generation	operations are	from oil spills		lifetime	Control Officer	waste from	& Operation
	associated with a	resulting from the			Project Manger	construction	
	lot of raw material	handling of various				activities is disposed	
	and activities that	machineries used				in an appropriate	
	results in	during the				manner.	
	pollution	construction phase				Bulky waste such as	
		Construction rubble,				building rubbles	
		empty packaging				must be collected	
		containers/bags and				and disposed of for	
		materials remnants.				landfilling.	
		Construction				<ul> <li>Hazardous waste</li> </ul>	
		workers can also				storage bin will be	
		pollute the				on site and an	
		surrounding				independent	
		environs if they are				hazardous waste	
		not provided with				transporting	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
		adequate toilet				company will be	
		facilities and a				contracted to	
		waste management				collected hazardous	
		system for domestic				waste storage bin	
		waste.				whenever it is full.	
						Visual inspections	
						monitoring	
						All waste will be	
						managed by	
						proponent and the	
						developer will	
						ensure that	
						domestic waste	
						handling facilities	
						such as labelled	
						dustbins will be	
						available.	
						Waste separation	
						will be provided for	
						to allow for recycling	
						of recyclable	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						materials i.e. glass,	
						hazardous waste,	
						paper, bio-	
						degradable waste.	
Hydrocarbon	There will be no	Washing away of	Environmental	Project	Environmental	Implement a	Construction
s release into	storage of oils	contaminated soils		lifetime	Control Officer	maintenance	& Operation
the	and fuel on site,	by rains into nearby			Project	programme to	
environment	however there is	rivers			Manager	ensure all vehicles,	
	risk of spillage of	<ul> <li>Pollution of soil and</li> </ul>			Department of	machinery and	
	hydrocarbons	affecting small living			Environmental	equipment are and	
	from vehicles and	organisms			Affairs.	remain in proper	
	machinery	habituating the soil				working order	
	operations,	Result in possible				Vehicle	
	maintenance	groundwater				maintenance should	
	through leakages	pollution.				be conducted in	
	and spillages	Possible fire risk on				designated areas	
	which may result	and around the site				only, preferably off-	
	in environmental					site.	
	contamination					If maintenance is to	
						be conducted on	
						site, these areas	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						should be designed	
						to contain spillages	
						i.e. maintenance site	
						must be bunded and	
						paved and the use	
						of chemicals must	
						be controlled.	
						Spillages	
						contaminants are to	
						be removed from	
						site by a specialist	
						waste removal	
						contractor such as	
						rent a drum.	
						Waste oil, fuels and	
						other chemicals	
						from drip trays on	
						stationery vehicles	
						and machinery will	
						be disposed of as	
						hazardous waste at	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						a licensed facility by	
						a specialist	
						hazardous waste	
						handler.	
						Oil residue will be	
						treated with oil	
						absorbent material	
						such as Drizit or	
						bioremediation and	
						removed to an	
						approved waste	
						disposal site	
						Spill kits will be	
						easily accessible	
						and workers will be	
						trained in the use	
						thereof.	
						Staff and contractors	
						will be trained in the	
						handling and	
						storage of oils, fuels,	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						chemicals and other	
						hazardous	
						substances	
						No bins containing	
						organic solvents	
						such as paint and	
						thinners shall be	
						cleaned on site,	
						unless containers for	
						liquid waste disposal	
						are provided on site.	
Safety and	Construction	Injuries to workers	Health and	Constru	HSE Officer	Equip workers with	Construction
Health risks	related Safety	such as	safety	ction		Personal Protective	
	and Health	Occupational		phase		Equipment (PPE),	
	hazards	dermatitis, slips and				provide trainings on	
		fall of humans and				how to effectively	
		objects,				use the PPE.	
		musculoskeletal				Provide platforms for	
		disorders, etc.				briefings and	
						meetings about	
						possible safety and	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						health hazards in	
						the workplace.	
						Provide site signs	
						warning and	
						informing about	
						different hazards on	
						site.	
	Electrical hazards	Fatalities and fires	Health and	Project	HSE Officer	Employees should	Construction
			safety	lifetime		be trained on	and Operation
						electrical safety	
						before working on	
						site.	
						Safety	
						representative with	
						training on electrical	
						hazards emergency	
						management should	
						be station on site	
						always.	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						<ul> <li>Safety signs during</li> </ul>	
						construction and	
						operation should be	
						put on-site, no-go	
						areas should be	
						labelled, PPE	
						specifications should	
						be clear to	
						maintenance	
						personnel.	
Population	The project will	There is potential	Socio-	Project	Environmental	Train and brief	Construction
Influx	bring in skilled	for cultural systems	economic	lifetime	Control Officer	employees to	and Operation
	and unskilled	conflict between			Project Manger	respect local	
	workforce into the	locals and new				cultures and	
	area.	people in the area				leaders,	
		Potential for rife				<ul> <li>Engage on massive</li> </ul>	
		prostitution and				sexual health	
		spread of HIV/AIDS				training and	
		and other STDs				awareness and	
						providing	
						contraceptives such	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						as condoms, as well	
						as provide means	
						counselling for those	
						that are affected by	
						HIV/AIDS and other	
						STDs	
Land use	The existing	The area will no	Social	Project	Environmental	The development	Construction
change	environment will	longer be suitable	Terrestrial	lifetime	Control Officer	should blend into the	and operation
	drastically	for agriculture.	environmen		Project Manger	existing area	
	change from a	Sudden change in	t			through designing	
	dormant piece of	landscape				and colour coding.	
	land to a RAP	appearances may				Green designing will	
	facility.	be unfavourable to				bring life to the site	
		the conservatives.				and blend with	
						surrounding areas.	
Resources	The construction	The project can result	Socio-	Project	Environmental	Water saving should be	Construction
consumption	industry can be	in a strain on available	economic	lifetime	Control Officer	ensured by the site	and operation
	resource	water resources,			Project Manger	manager i.e. repairing	
	intensive, i.e.	however also				leakages, opening taps	
	water resources.	generating clean				only when water is	
		energy/electricity.					

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						required and recycling	
						of water on site.	
Movement of	Traffic and road	Road Accidents	<ul> <li>Safety</li> </ul>	Project	Environmental	Traffic signs and	Construction
vehicles	safety	Damage to roads	• Socio-	lifetime	Control Officer	symbols should be	and operation
within the site			economic		Project Manger	used at all	
and along						necessary points	
main road						along the roads.	
						Schedule	
						construction work to	
						allow for the	
						movement of	
						material and heavy	
						equipment.	
						Arrange for parking	
						and storage of	
						material onsite	
						where feasible.	
						Schedule vehicle	
						movement to	
						minimize disruption	
						to traffic flow along	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						the main and access	
						roads.	
						<ul> <li>Make provision for</li> </ul>	
						handling peak traffic	
						flows.	
						Identify traffic	
						hazards and	
						mitigate them	
						All drivers should be	
						competent and with	
						defensive driving	
						certificates.	
						Make use of road	
						worthy vehicles.	
						Ensure that all traffic	
						safety measures are	
						put in place.	
						Raise safety	
						awareness in the	
						communities	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						Carry periodic road	
						maintenance work.	
Infrastructure	Disruption of	Failure in service	Socio-	Project	Environmental	Consultation with	Construction
(e.g. Power	socio-economic	provision e.g.	economic	lifetime	Control Officer	relevant authorities	and operation
lines,	activities of the	electrical power			Project Manger	and departments for	
highway) that	surrounding local	supply failure;				best possible	
run close to	land users	Encroachment into				actions to take.	
the project		infrastructure (e.g.				Do not extend	
site		road, powerlines)				operations to areas	
		servitudes				close to the	
						infrastructure until	
						everyone affected is	
						involved.	
						Mapping of all	
						infrastructure and	
						establishment of	
						appropriate	
						servitudes	
						Do a risk	
						assessment for the	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						site and manage the	
						risks	
Any Illegal	There is an illegal	Impact to	Social	Project	Site Engineer	Ensure appropriate	Construction
settlement	settlements close	livelihoods of illegal		lifetime	• ECO	consultation will be	and operation
close to the	to the project site	settlers				made with local	
project site	which may be					community leadership	
	affected by					and relevant	
	project activities					authorities on best	
						course of action	
						regarding illegal	
						settlement.	
Flooding and	The area is	Property damage,	Environmental	Project	Site Engineer	Standard storm	Construction
Storm Water	prone to	Loss of agricultural		lifetime	• ECO	water drainage will	and operation
	flooding	crop/produce				be part of the water	
		<ul> <li>Injury/death of</li> </ul>				reticulation designs	
		animals				indicating the storm	
		Human injury/loss				water deposit areas.	
		of life				During construction	
						all access tracks	
						and the compound	
						area will be	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						constructed using	
						permeable granular	
						materials.	
						<ul> <li>Vehicular</li> </ul>	
						movements will be	
						restricted to the	
						access tracks and	
						designated areas	
						where possible to	
						avoid or limit soil	
						compaction, which	
						could have a	
						detrimental impact	
						on infiltration rates.	
						<ul> <li>The ground</li> </ul>	
						conditions are sandy	
						hence the use of	
						vehicles on-site is	
						unlikely to create	
						muddy conditions,	
						which may in-turn	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						increase suspended	
						solids levels in	
						surface water run-	
						off.	
						All run-off is likely to	
						dissipate naturally to	
						ground, however	
						standard storm	
						drains are going to	
						be installed around	
						the project area to	
						avoid water flowing	
						into nearby	
						properties.	
						During operation the	
						following design	
						features will reduce	
						the risks from	
						surface water run-off	
						from solar panels by	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						promoting	
						dispersion and	
						infiltration:	
						The gap between	
						panels will be	
						sufficient (typically	
						20 mm) to allow	
						drainage to ground	
						rather than onto	
						adjacent panels.	
						The ground surface	
						around and between	
						the frames will be	
						maintained as grass	
						to ensure that bare	
						soil areas are	
						minimised.	
						The vegetated gap	
						between rows of	
						frames will be of	
						greater width than	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						that of each row of	
						solar panels.	
						Groundcover	
						vegetation will be	
						maintained in good	
						condition in those	
						areas receiving	
						runoff from solar	
						panels.	
						The surface gradient	
						is generally less	
						than 10% across the	
						site and therefore	
						run-off is expected	
						to remain dispersed	
						and unlikely to form	
						channels.	
						Broad grass strips	
						around the edge of	
						the array will also	
						act to impede	

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
						drainage of surface	
						water to field	
						margins.	
Positive Impac	ts						
Employment	The development	Improves disposable	Socio-	Project	Project Manger	Work with local	Construction
creation	provides an	income to those	economic	lifetime		leadership (councillor)	and operation
	opportunity of	employed and their				on acquiring non-	
	outsourcing work	immediate families.				skilled labour from the	
						residents.	
Business	Raw materials	Local suppliers will	Socio-	Project	Project Manger	The proponent will	Construction
linkages	acquiring and	be presented with	economic	lifetime		outsource most of its	and operation
	contracting	an opportunity to				materials and services	
	companies	empower their				from the surrounding	
	provide an	businesses.				local community	
	opportunity for	Construction					
	businesses.	workers can be					
		provided with					
		accommodation,					
		food and services					
		from the local					
		community					

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
		increasing business					
		activities.					
Infrastructure	The development	Existing roads will	Socio-	Project	Project manager	Development such as	Construction
development	presents a unique	be upgraded which	economic	lifetime		road upgrading will not	and operation
	opportunity for	will benefit the local				only be limited up until	
	infrastructure	community.				the project site, but it	
	development	Development of the				will be extended to	
		facilities will also				service other the	
		pave way for future				connecting roads when	
		developers to grow				there is need.	
		interests in the area					
		and result in ripple					
		effects and quick					
		growing of the area.					
Climate smart	The project is	Alternative clean	• Socio-	Operatio	Project manager	It is recommended that	Operation
energy	towards clean	energy generation	economic	n phase		the project once it	
	energy		Environmen			takes off, a second	
	production and is		tal			phase development be	
	highly beneficial					implemented in order	
	to the country					to expand operations.	

ENVIRONMENTAL ASSESSMENT FOR THE PROPOSED ESTABLISHMENT AND OPERATION OF A RECIRCULATORY AQUACULTURE PRODUCTION IN WALVISBAY, ERONGO REGION: NAMIBIA

Impact	Description	Effects	Class	Time	Responsibility	Action	Phase
				frame			
	and the continent						
	at large.						

#### 1.5 ENVIRONMENTAL MONITORING PLAN

Monitoring is very important for identifying the success of mitigation measures formulated for the significant impacts identified. Monitoring of activities will identify impacts that have not been foreseen and give enough time to analyse the situation and formulate measures to minimise impacts. Survey records and results must be maintained for these monitoring and inspections, highlighting any problems and the measures taken to address it.

Prior to site preparation and construction activities, the main contractor should present an environmental monitoring plan (including, *inter alia*, location of construction camp and toilet facilities, location of material storage areas, solid waste management plan, dust control measures, activity schedule, etc.) for review and approval by the DEA, the environmental control officer and the project manager. The developer should present a landscape plan and the trees/vegetation earmarked for protection should be flagged and hoarded by the contractor.

The entity selected to carry out environmental monitoring of the construction works should then prepare an environmental monitoring programme based on the above, the requirements of the EIA, and conditions of the development permit. The major elements of the environmental impact monitoring programme to be implemented during the construction phase of the project are as follows:

- Site clearance to ensure that trees marked for protection are left untouched and that large areas of soil are not left exposed and uncovered for extended periods of time.
- Monitoring of potential ionising radiation from the towers.
- Site drainage and surface runoff, especially during and shortly after major rainfall events, to ensure there is no flooding, ponding and runoff of surface water Compliance of construction works with site management and landscape plans.
- Ensure transportation of earth materials is done by covered trucks and from approved sites.
- The contractor must immediately and completely clean up spills of materials in public areas.
- Solid waste disposal practices to ensure appropriate on-site management and final disposal at approved dump.

#### 2 CONCLUSION AND RECOMMENDATIONS

The Environmental Impact Assessment process for the proposed development and operation of a Recirculatory aquaculture production project in Walvis-Bay, Erongo Region - Namibia was conducted in accordance to the Environmental Management Act 2007 and EMA Regulation 2012. Further consideration was given to relevant legislation throughout the entire process to ensure a successful assessment process.

Impacts likely to occur during project phases (construction and operation) were assessed depicting a positive outlook despite limited details of the magnitude of the proposed development. Based on the assessment, the overall project is less damaging to the environment demonstrating improved health provision, food security, high job creation opportunities and community development. Impacts with negative effects were also identified and summarized in a form of environmental management plan to ensure sustainable implementation.

The site has access to services such as electricity and roads for accessibility. Adding on the site has minimal vegetation such that very few or no trees will be removed during the construction phase. It is important that the proponent observe and maintain accountability to both socio-economic and environmental sensitive activities from the project, such that the project is harmonized with policy, regulations, administrative frameworks and social interface with the public as proposed in the environmental management plan. Failure to observe these measures will significantly affect the local environment and lead to non-compliance. Therefore, implementation environmental protection measures should be executed in consultation with the key stakeholders.

JBIC cc hereby recommends that MET: DEA grant the environmental clearance certificate for the proposed development and Operation of a Recirculatory aquaculture production project in Walvis-bay, Erongo Region - Namibia, under the condition of full implementation of the project's EMP.

#### 3 REFERENCES

FAO, 1998. World reference base for soil resources. World Soil Resources Report, vol. 84. FAO, Rome.

FAO, 1998. World reference base for soil resources. World Soil Resources Report, vol. 84. FAO, Rome.

Government of Namibia. 2008, Government Gazzette of the Republic of Namibia. Government notice No.1: Regulations for Strategic Environmental Assessment (SEA) and Environmental Impact Assessment (EIA)-Windhoek

Government of Namibia.2008, Government Gazette of the Republic of Namibia. Government notice No.1: Regulations for Strategic Environmental Assessment (SEA) and Environmental Impact Assessment (EIA)-Windhoek

IFC.2007. Stakeholder Engagement: A good practice handbook for companies doing business in emerging markets. IFC, Washington D.C

IFC.2007. Stakeholder Engagement: A good practice handbook for companies doing business in emerging markets. IFC, Washington D.C

Mendelsohn, J., el Obeid, S.2003. A digest of information on key aspects of Namibia's geography and sustainable development prospects. Research and Information Services of Namibia

MET (Ministry of Environment and Tourism). 2012. *Environmental Management Act no. 7 of 2007*. Windhoek: Directorate of Environmental Affairs, Ministry of Environment and Tourism <a href="https://tradingeconomics.com/namibia/unemployment-">https://tradingeconomics.com/namibia/unemployment-</a>

<u>rate#:~:text=Unemployment%20Rate%20in%20Namibia%20is,macro%20models%20and</u> %20analysts%20expectations.

https://otjozondjuparc.gov.na/otjiwarongo-constituency-profile

### **APPENDICES**

## Appendix A: Public Consultation Documents

- 1. Background Information Document
- 2. Newspaper Adverts
- 3. Site Notice
- 4. Meeting Attendance Register
- 5. Meeting Presentation
- 6. Questionnaires

### **Appendix B: Site Information**

- 1. Approvals/licenses
- Land Ownership
   Locality Map

# **Appendix C: Consultancy Team resumes**